

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011619\
 Data File : VN053432.D
 Acq On : 16 Jan 2019 18:22
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 17 03:58:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	790762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1201379	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1109530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	564623	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	412347	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
35) Dibromofluoromethane	7.59	113	358660	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
50) Toluene-d8	10.09	98	1487952	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
62) 4-Bromofluorobenzene	12.40	95	537581	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	314661	49.493	ug/l	100
3) Chloromethane	2.06	50	448524	49.343	ug/l	99
4) Vinyl Chloride	2.19	62	430725	49.157	ug/l	99
5) Bromomethane	2.57	94	290723	48.355	ug/l	97
6) Chloroethane	2.71	64	258986	48.887	ug/l	99
7) Trichlorofluoromethane	3.02	101	571062	49.826	ug/l	99
8) Diethyl Ether	3.41	74	227938	52.952	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	358268	49.358	ug/l	99
10) Methyl Iodide	3.96	142	561176	50.592	ug/l	99
11) Tert butyl alcohol	4.78	59	134850	352.597	ug/l	100
12) 1,1-Dichloroethene	3.74	96	355232	50.457	ug/l	99
13) Acrolein	3.61	56	189073	253.049	ug/l	99
14) Allyl chloride	4.33	41	550542	48.142	ug/l	96
15) Acrylonitrile	4.99	53	736475	292.608	ug/l	100
16) Acetone	3.82	43	483517	263.676	ug/l	97
17) Carbon Disulfide	4.06	76	1030621	48.408	ug/l	100
18) Methyl Acetate	4.32	43	349727	56.606	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1029616	55.041	ug/l	99
20) Methylene Chloride	4.55	84	416639	49.765	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	381303	50.659	ug/l	99
22) Diisopropyl ether	5.95	45	1262170	52.870	ug/l	100
23) Vinyl Acetate	5.90	43	4131073	281.503	ug/l	100
24) 1,1-Dichloroethane	5.85	63	723180	51.243	ug/l	100
25) 2-Butanone	6.83	43	825912	292.272	ug/l	99
26) 2,2-Dichloropropane	6.83	77	511584	48.011	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	444870	51.687	ug/l	99
28) Bromochloromethane	7.20	49	328168	52.783	ug/l	100
29) Tetrahydrofuran	7.21	42	552200	300.169	ug/l	99
30) Chloroform	7.37	83	714479	51.961	ug/l	100
31) Cyclohexane	7.66	56	661888	48.184	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	599561	51.402	ug/l	100
36) 1,1-Dichloropropene	7.80	75	550015	50.270	ug/l	100
37) Ethyl Acetate	6.93	43	362294	57.555	ug/l	99
38) Carbon Tetrachloride	7.78	117	517008	49.912	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	666373	49.277	ug/l	99
40) Benzene	8.04	78	1673665	50.339	ug/l	99
41) Methacrylonitrile	7.18	41	207754	55.470	ug/l	95
42) 1,2-Dichloroethane	8.13	62	497259	51.337	ug/l	99
43) Isopropyl Acetate	8.16	43	665533	58.800	ug/l	99
44) Trichloroethene	8.84	130	465493	50.486	ug/l	98
45) 1,2-Dichloropropane	9.12	63	447522	50.818	ug/l	100
46) Dibromomethane	9.21	93	264450	52.267	ug/l	99
47) Bromodichloromethane	9.40	83	545778	51.294	ug/l	98
48) Methyl methacrylate	9.20	41	329445	56.372	ug/l	99
49) 1,4-Dioxane	9.20	88	78586	1376.891	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1871205	302.843	ug/l	100
52) Toluene	10.16	92	1057670	51.241	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	571104	52.954	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	655877	51.878	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	384937	54.092	ug/l	99
56) Ethyl methacrylate	10.43	69	529317	52.312	ug/l	100
57) 1,3-Dichloropropane	10.71	76	658095	53.458	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1378912	276.975	ug/l	100
59) 2-Hexanone	10.75	43	1302168	300.215	ug/l	100
60) Dibromochloromethane	10.90	129	433539	53.713	ug/l	99
61) 1,2-Dibromoethane	11.01	107	389309	54.092	ug/l	99
64) Tetrachloroethene	10.63	164	516579	49.405	ug/l	99
65) Chlorobenzene	11.43	112	1191296	50.726	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	419141	51.302	ug/l	99
67) Ethyl Benzene	11.51	91	2048292	51.176	ug/l	100
68) m/p-Xylenes	11.62	106	1568031	103.765	ug/l	100
69) o-Xylene	11.95	106	762187	51.907	ug/l	100
70) Styrene	11.97	104	1274467	53.479	ug/l	100
71) Bromoform	12.13	173	314078	55.840	ug/l #	100
73) Isopropylbenzene	12.25	105	2044567	49.448	ug/l	99
74) N-amyl acetate	12.07	43	617852	56.054	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	457134	52.715	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	622098	83.608	ug/l #	100
77) Bromobenzene	12.53	156	540611	49.619	ug/l	99
78) n-propylbenzene	12.59	91	2356732	49.655	ug/l	100
79) 2-Chlorotoluene	12.68	91	1374822	48.869	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1691758	50.288	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	145968	49.665	ug/l	99
82) 4-Chlorotoluene	12.77	91	1424327	49.646	ug/l	99
83) tert-Butylbenzene	12.99	119	1477193	49.715	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1728518	50.957	ug/l	99
85) sec-Butylbenzene	13.17	105	2033832	49.910	ug/l	100
86) p-Isopropyltoluene	13.29	119	1786961	50.504	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	951350	49.640	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	952494	49.546	ug/l	99
89) n-Butylbenzene	13.62	91	1508230	50.007	ug/l	99
90) Hexachloroethane	13.88	117	281397	50.710	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	920943	52.232	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	71574	65.094	ug/l	96

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QLast Update : Wed Jan 16 03:10:53 2019
Response via : Initial Calibration

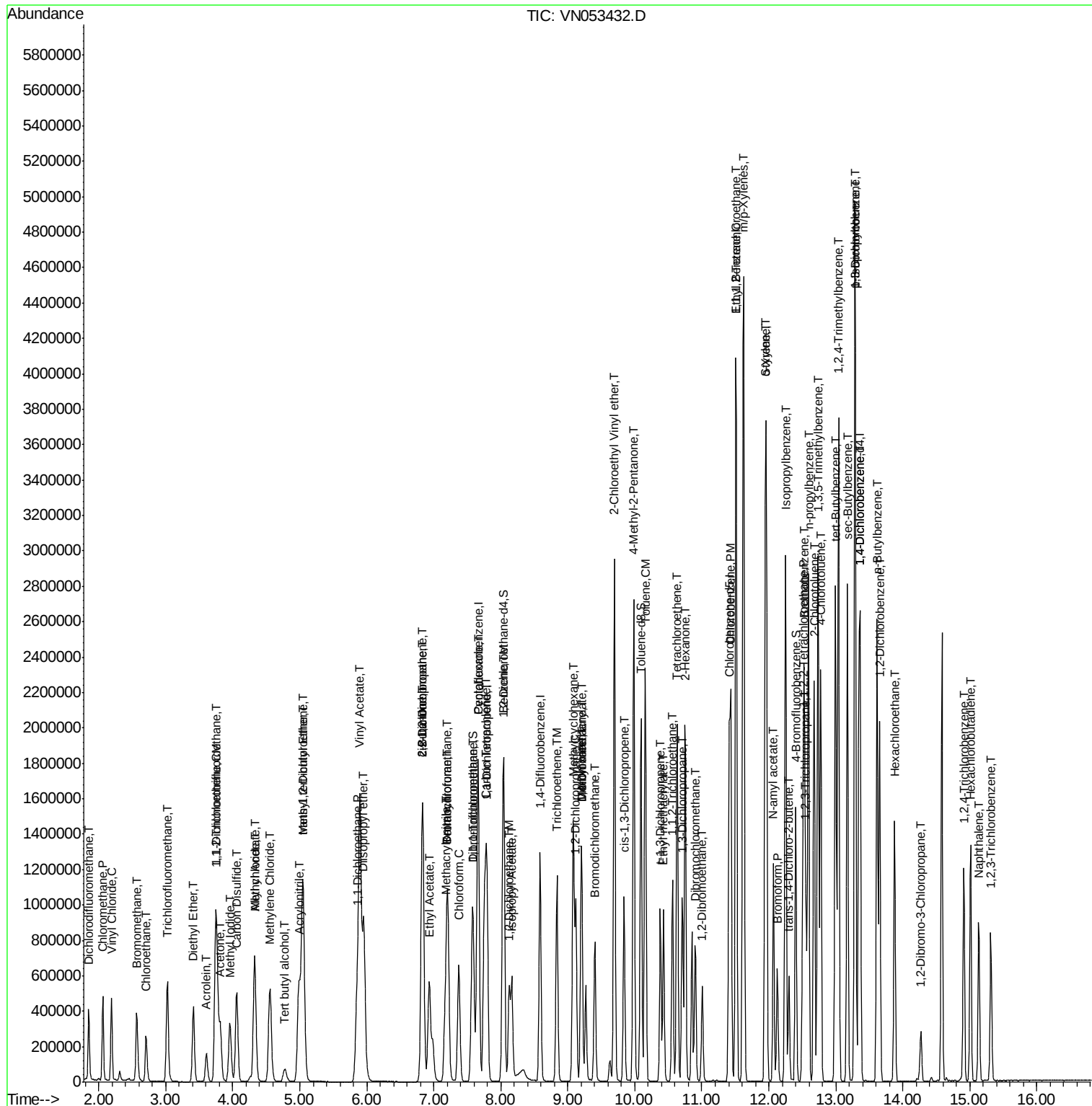
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	427835	54.718	ug/l	100
94) Hexachlorobutadiene	15.01	225	292334	53.150	ug/l	100
95) Naphthalene	15.13	128	784112	56.860	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	321005	55.892	ug/l	99

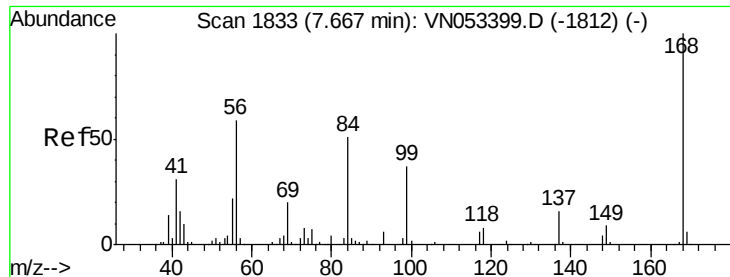
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN011619\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

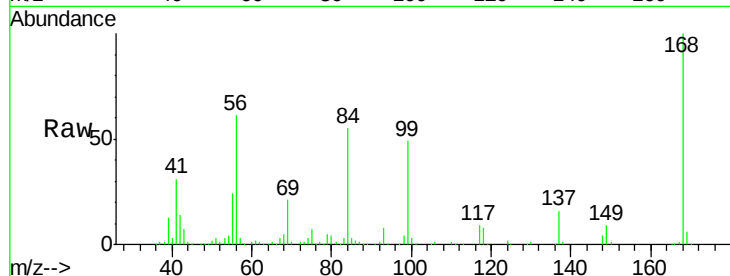
VSTDCCC050EC

Tot Ion:168 Resp: 790762

Ion Ratio Lower Upper

168 100

99 49.2 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

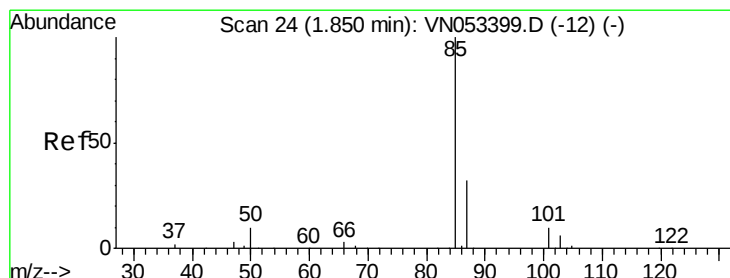
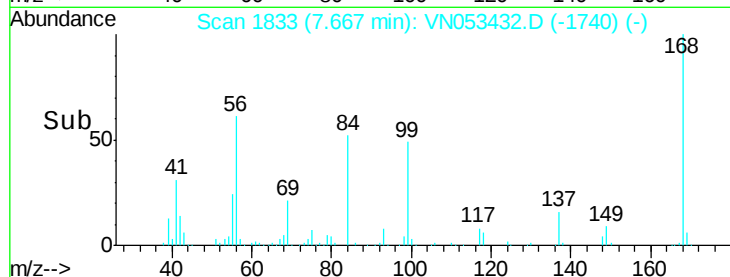
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.493 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053432.D

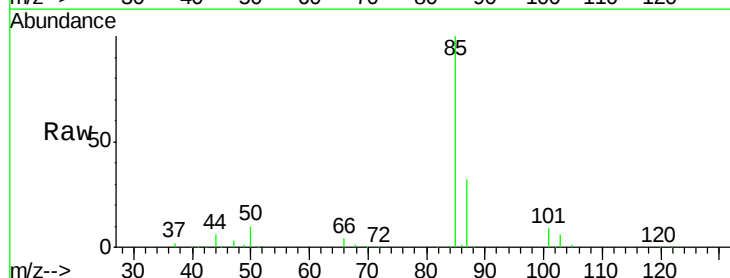
Acq: 16 Jan 2019 18:22

Tgt Ion: 85 Resp: 314661

Ion Ratio Lower Upper

85 100

87 32.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

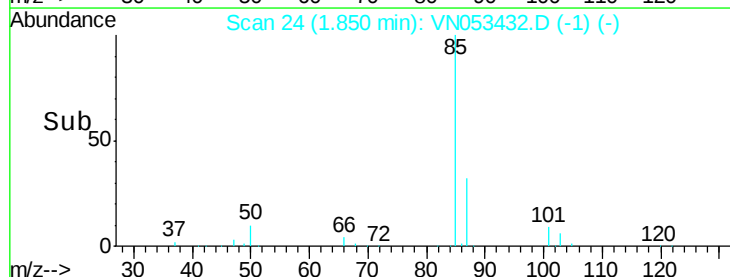
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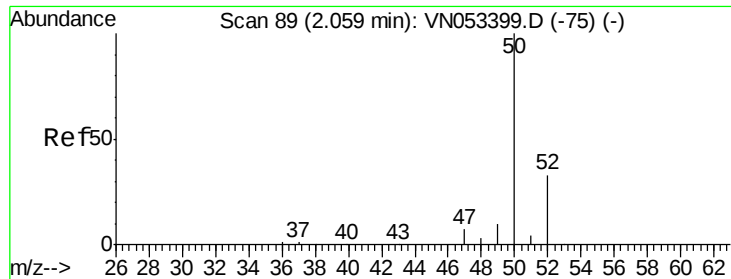
100000

50000

0

Time-->





#3

Chloromethane

Concen: 49.343 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

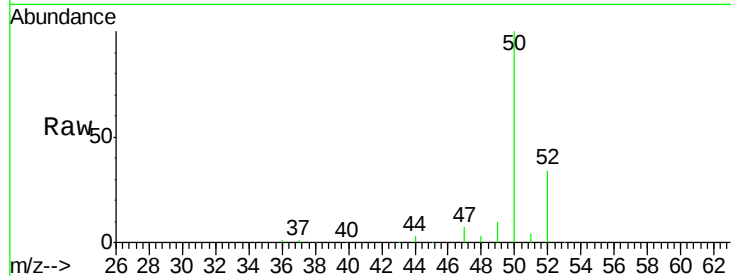
VSTDCCC050EC

Tot Ion: 50 Resp: 448524

Ion Ratio Lower Upper

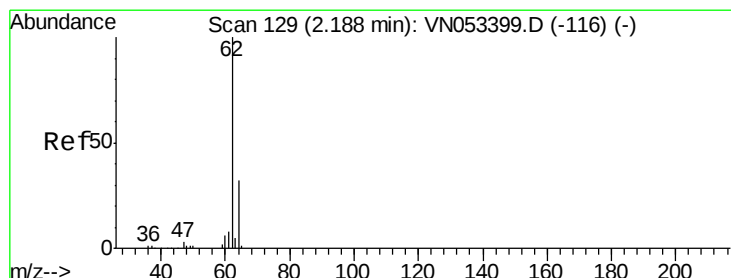
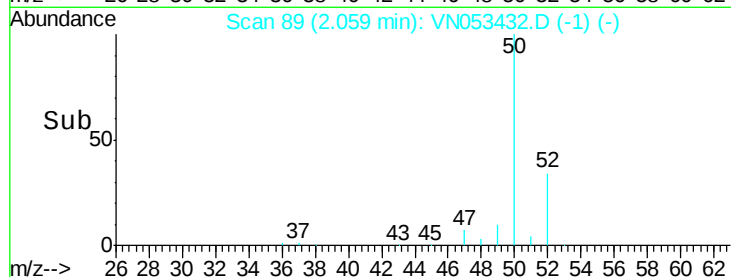
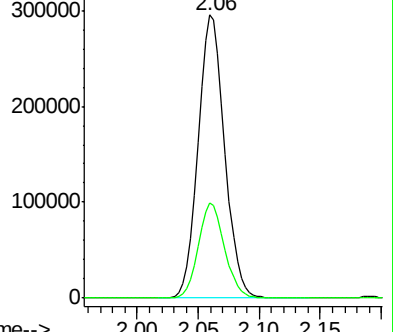
50 100

52 33.6 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 49.157 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053432.D

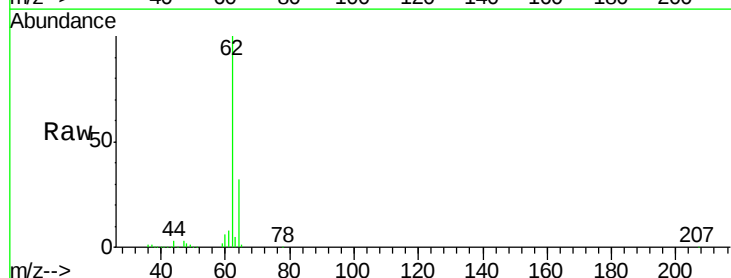
Acq: 16 Jan 2019 18:22

Tgt Ion: 62 Resp: 430725

Ion Ratio Lower Upper

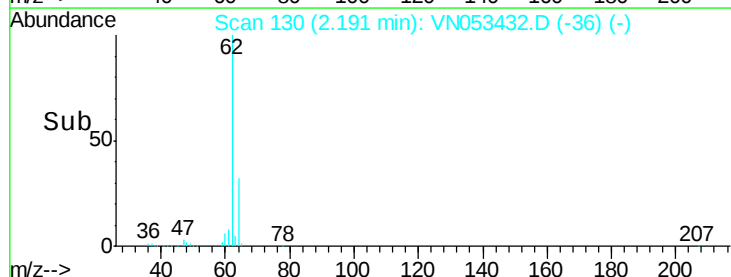
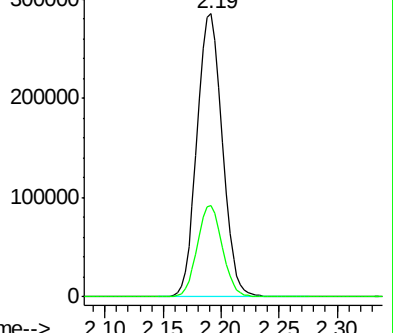
62 100

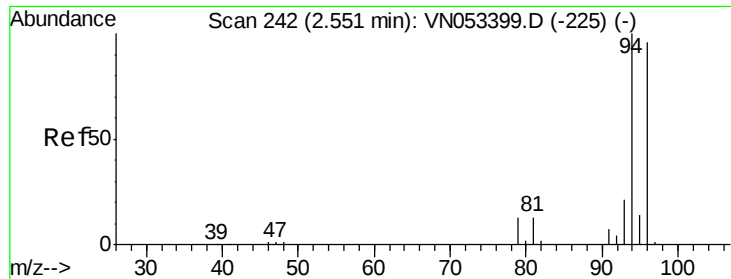
64 32.4 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 48.355 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.02 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

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ClientSampleId :

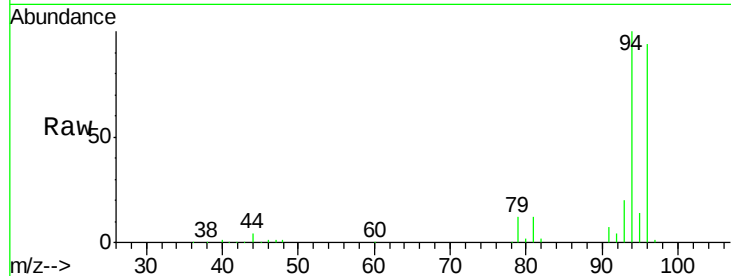
VSTDCCC050EC

Tot Ion: 94 Resp: 290723

Ion Ratio Lower Upper

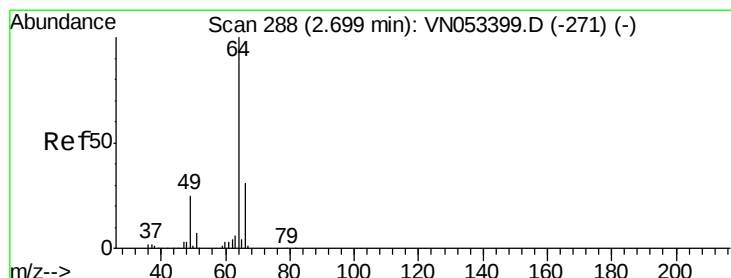
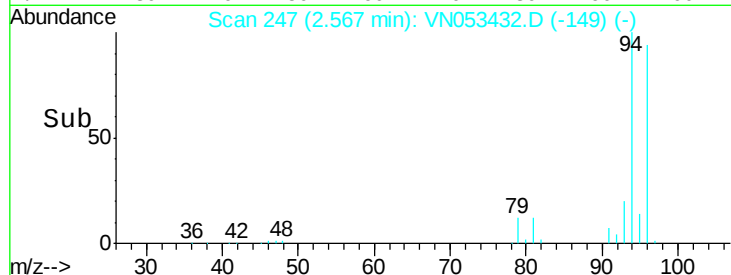
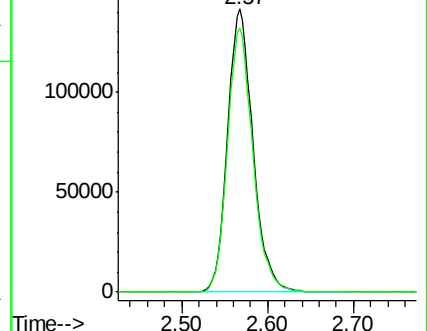
94 100

96 93.5 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.887 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN053432.D

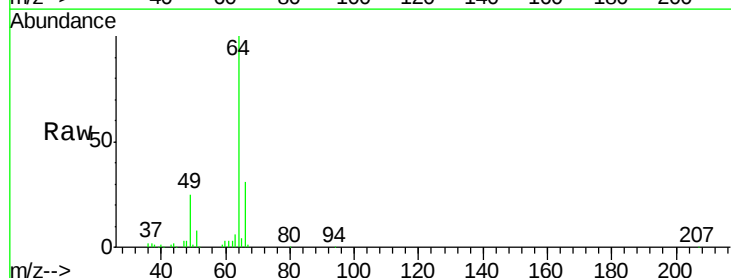
Acq: 16 Jan 2019 18:22

Tgt Ion: 64 Resp: 258986

Ion Ratio Lower Upper

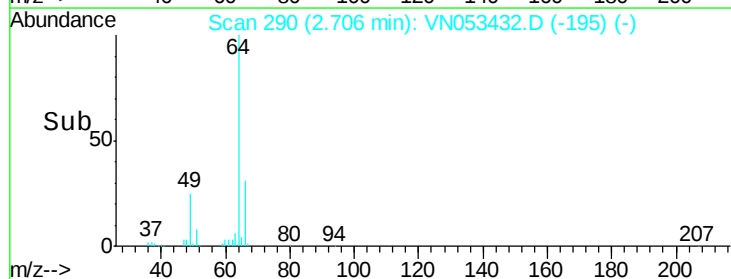
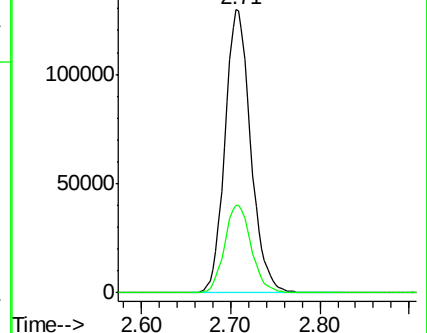
64 100

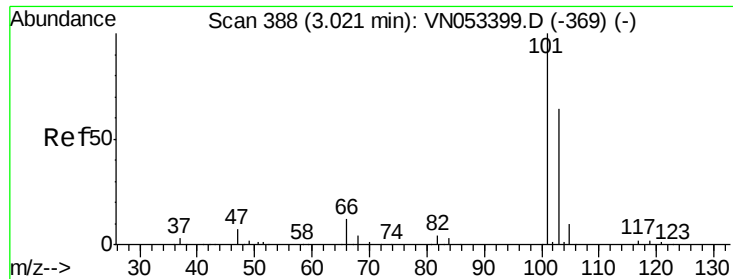
66 31.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



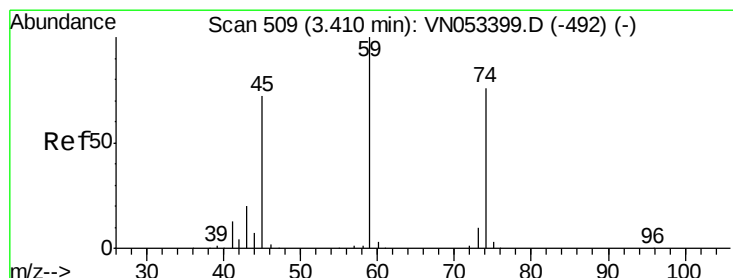
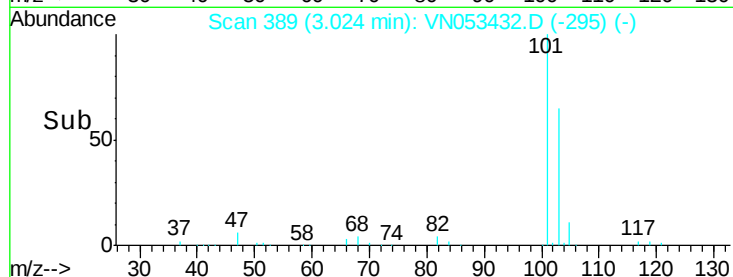
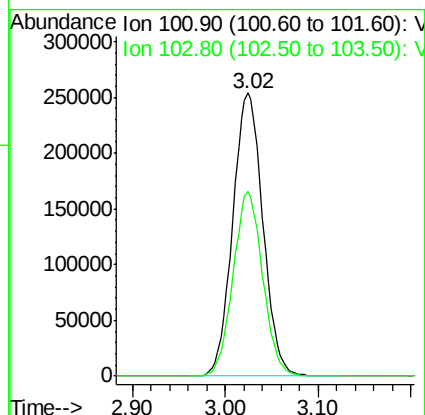
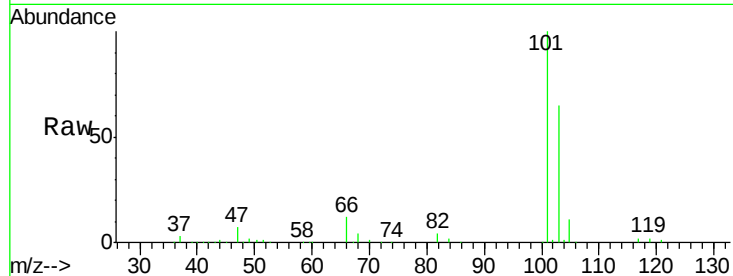


#7

Trichlorofluoromethane
 Concen: 49.826 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053432.D
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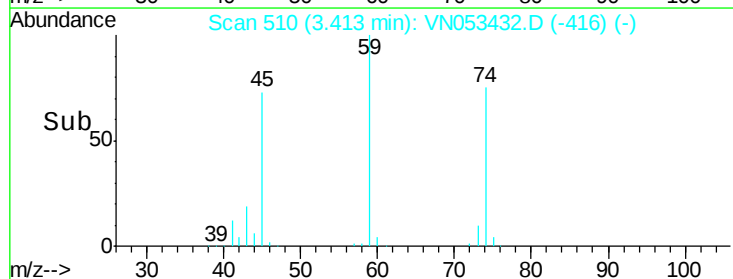
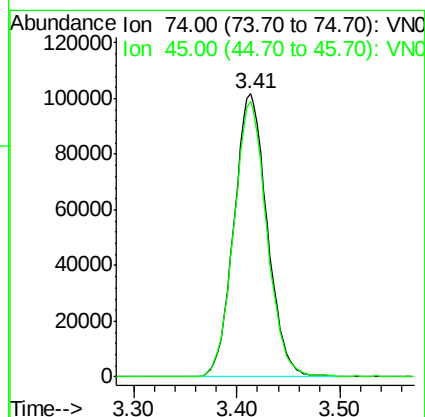
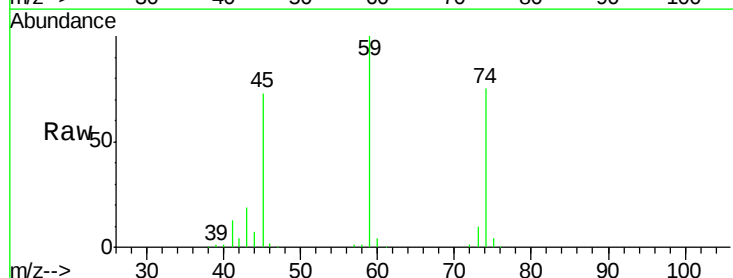
Tot Ion:101 Resp: 571062
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.6 77.4

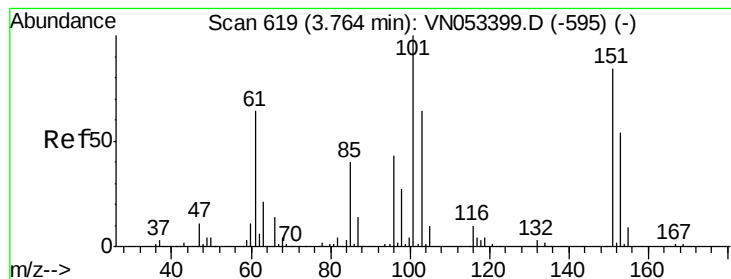


#8

Diethyl Ether
 Concen: 52.952 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Tgt Ion: 74 Resp: 227938
 Ion Ratio Lower Upper
 74 100
 45 96.7 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.358 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053432.D

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VSTDCCC050EC

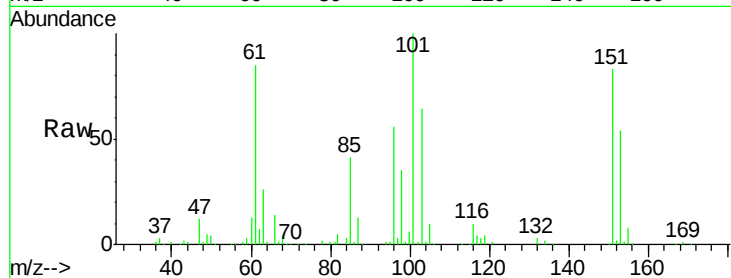
Tot Ion:101 Resp: 358268

Ion Ratio Lower Upper

101 100

85 41.8 32.8 49.2

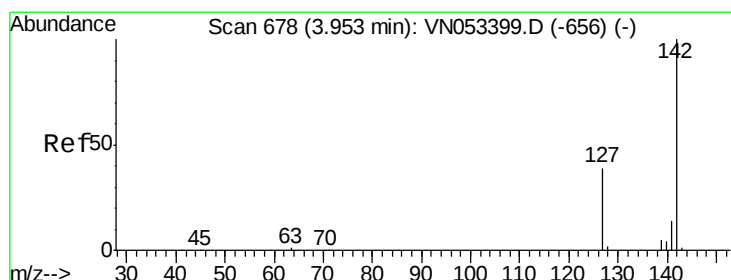
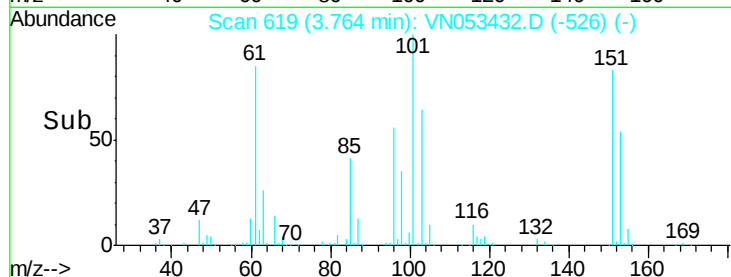
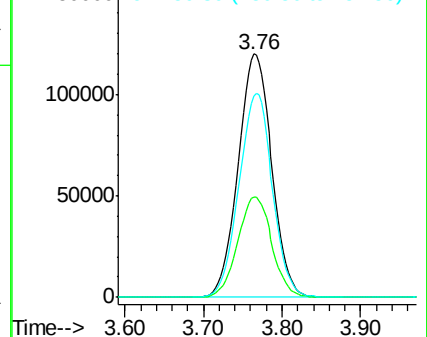
151 83.7 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.592 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

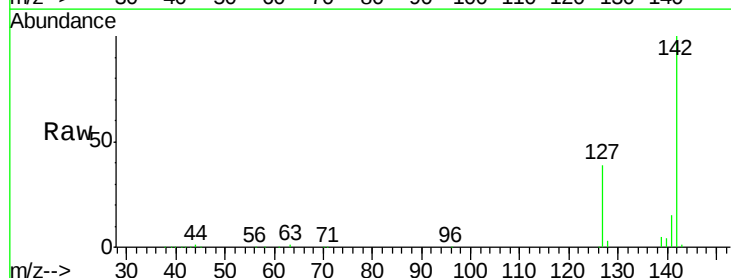
Tgt Ion:142 Resp: 561176

Ion Ratio Lower Upper

142 100

127 38.1 31.0 46.4

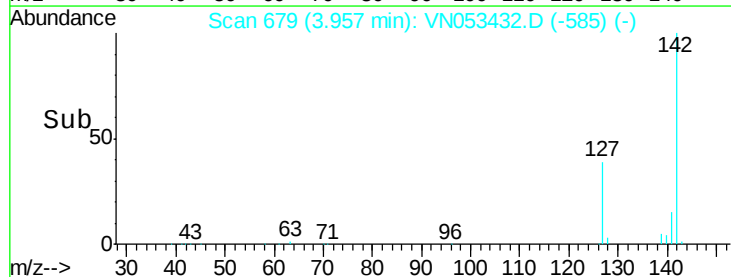
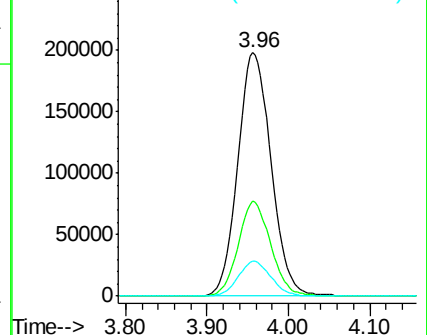
141 14.2 11.1 16.7

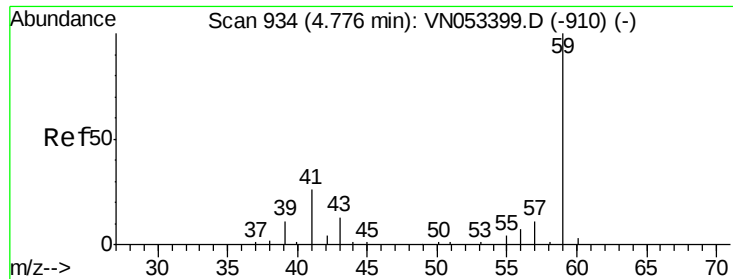


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

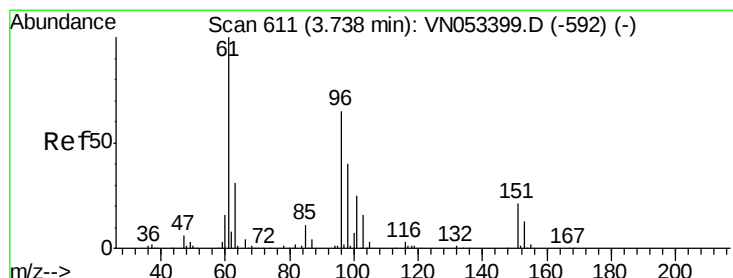
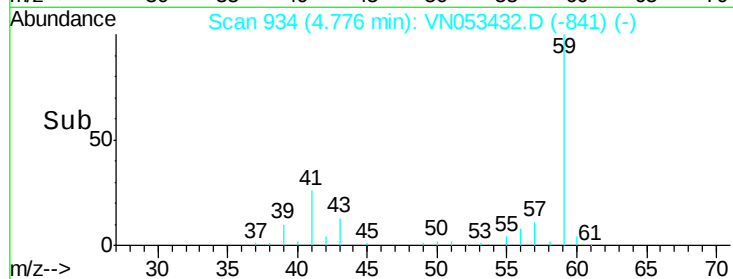
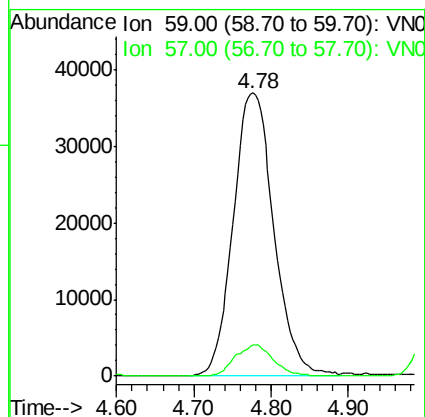
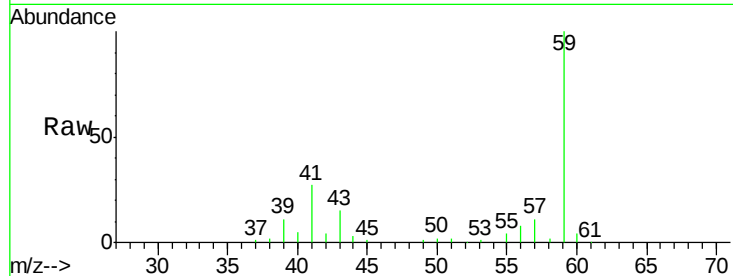




#11
Tert butyl alcohol
Concen: 352.597 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

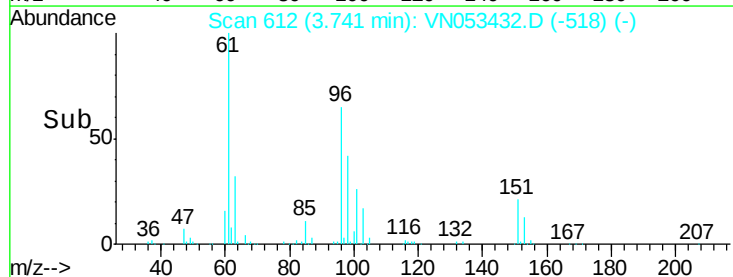
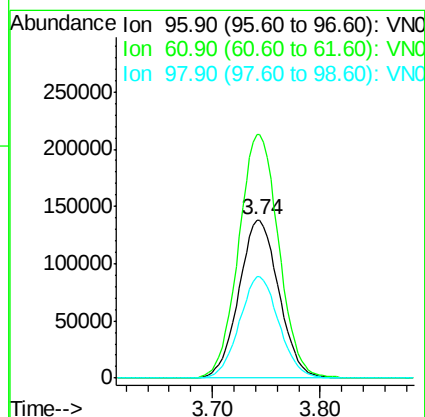
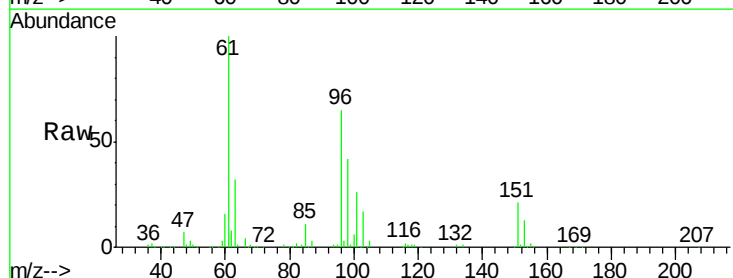
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

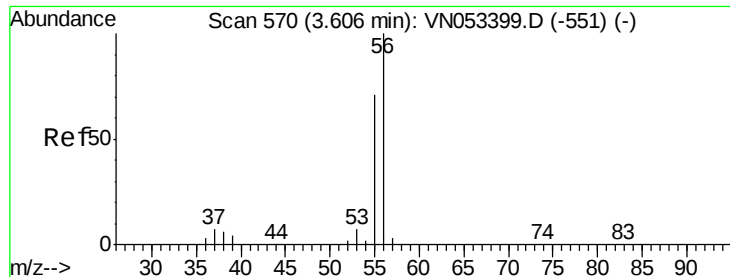
Tot Ion: 59 Resp: 134850
Ion Ratio Lower Upper
59 100
57 10.4 8.2 12.4



#12
1,1-Dichloroethene
Concen: 50.457 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion: 96 Resp: 355232
Ion Ratio Lower Upper
96 100
61 153.5 122.9 184.3
98 63.8 49.4 74.0





#13

Acrolein

Concen: 253.049 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

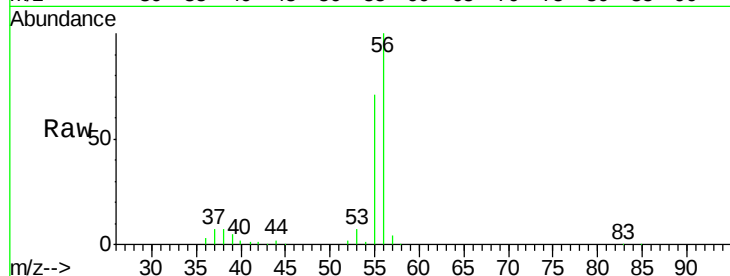
VSTDCCC050EC

Tot Ion: 56 Resp: 189073

Ion Ratio Lower Upper

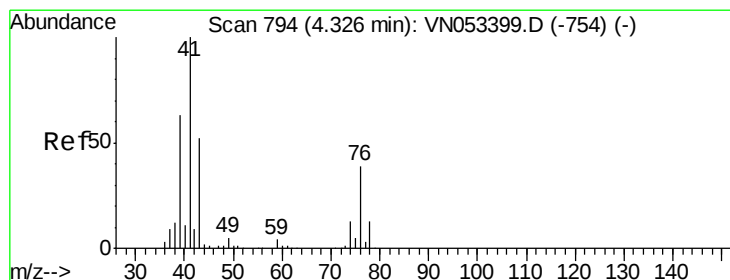
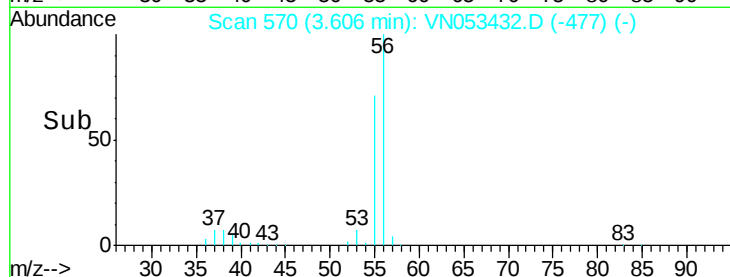
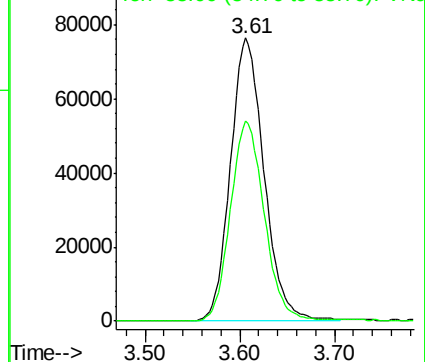
56 100

55 71.1 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.142 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

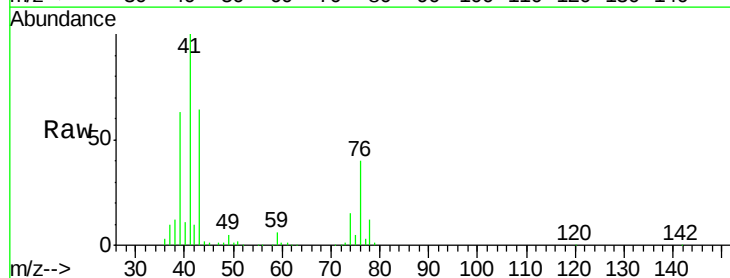
Tgt Ion: 41 Resp: 550542

Ion Ratio Lower Upper

41 100

39 63.4 48.9 73.3

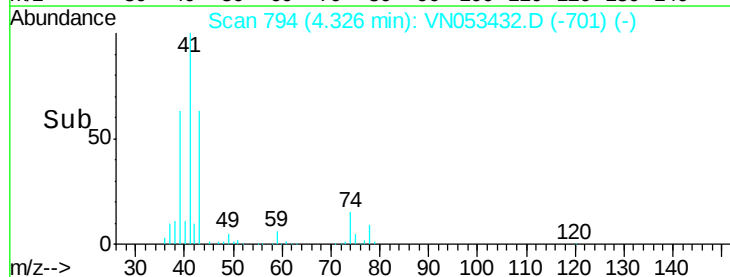
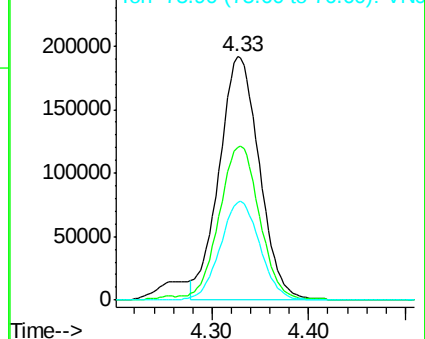
76 39.9 29.4 44.2

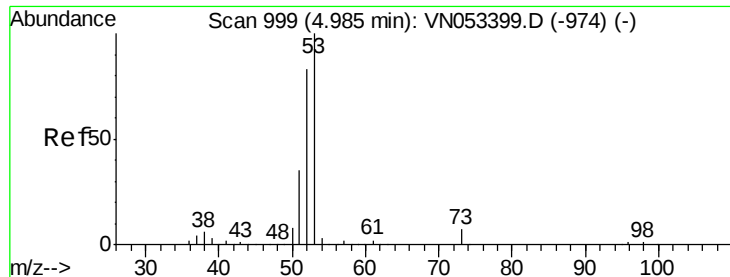


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 292.608 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

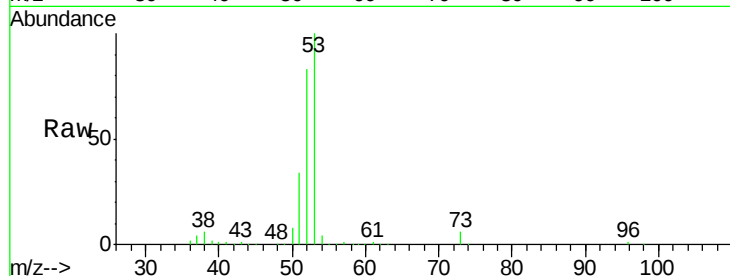
Tot Ion: 53 Resp: 736475

Ion Ratio Lower Upper

53 100

52 82.2 66.0 99.0

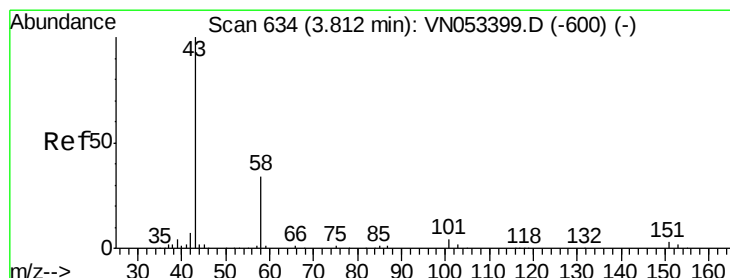
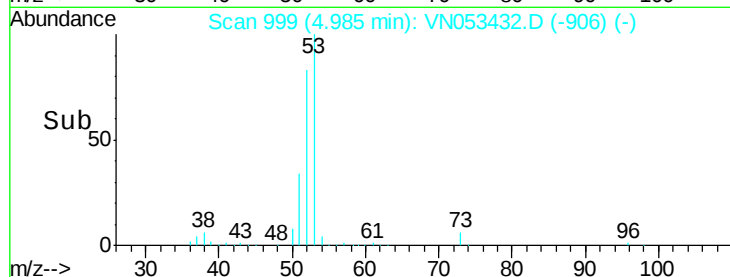
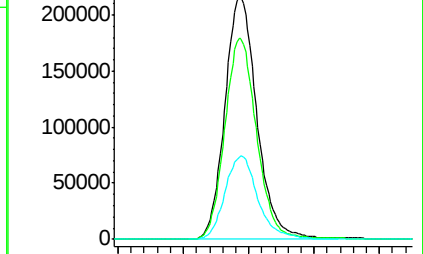
51 35.6 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN053399.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN053399.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VN053399.D (-974) (-)



#16

Acetone

Concen: 263.676 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053432.D

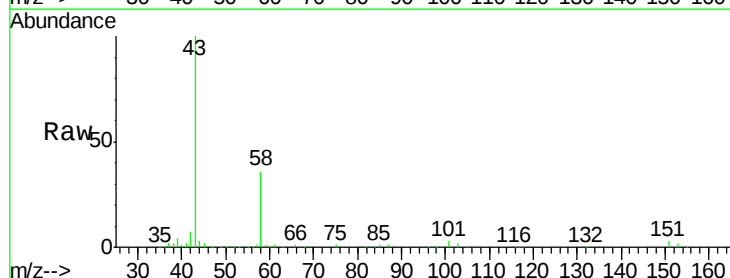
Acq: 16 Jan 2019 18:22

Tgt Ion: 43 Resp: 483517

Ion Ratio Lower Upper

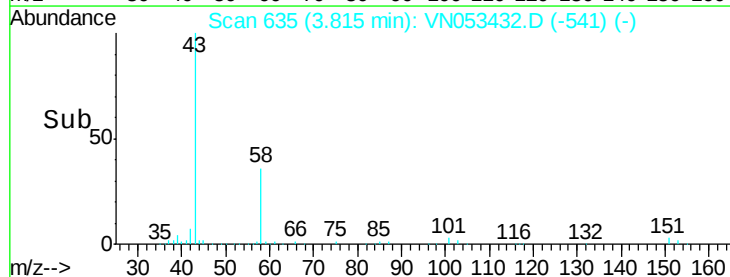
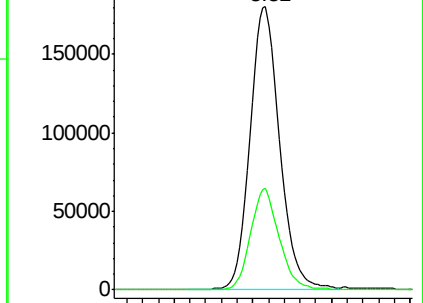
43 100

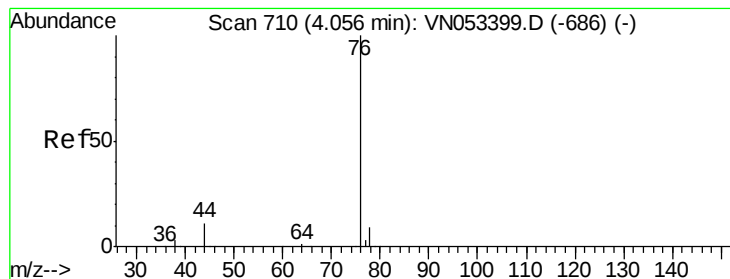
58 35.8 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-600) (-)





#17

Carbon Disulfide

Concen: 48.408 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

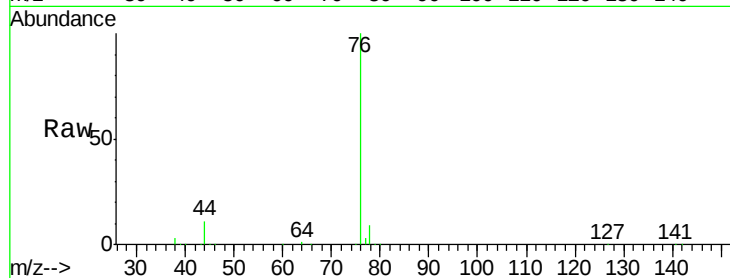
VSTDCCC050EC

Tot Ion: 76 Resp: 1030621

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.06

400000

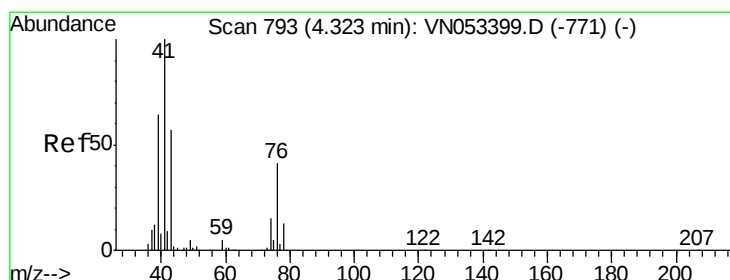
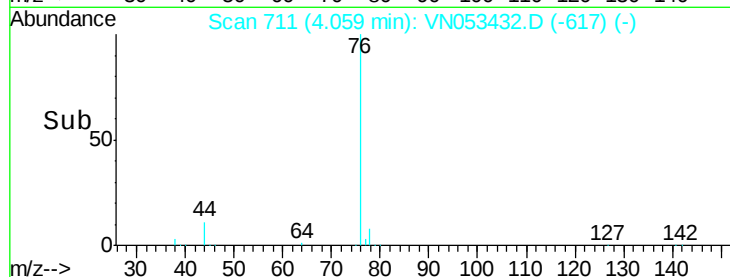
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 56.606 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053432.D

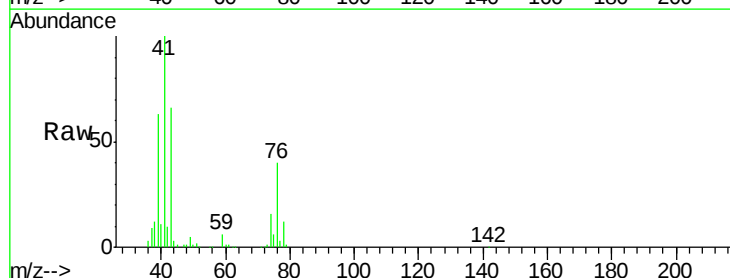
Acq: 16 Jan 2019 18:22

Tgt Ion: 43 Resp: 349727

Ion Ratio Lower Upper

43 100

74 24.4 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

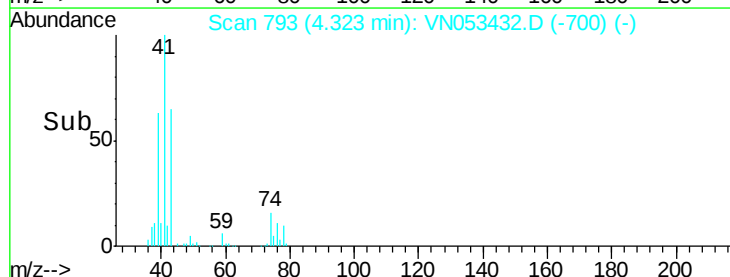
4.32

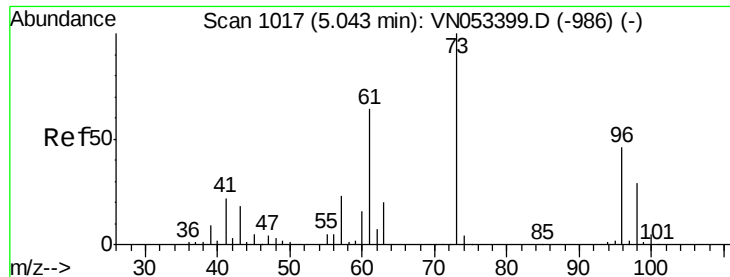
100000

50000

0

Time-->



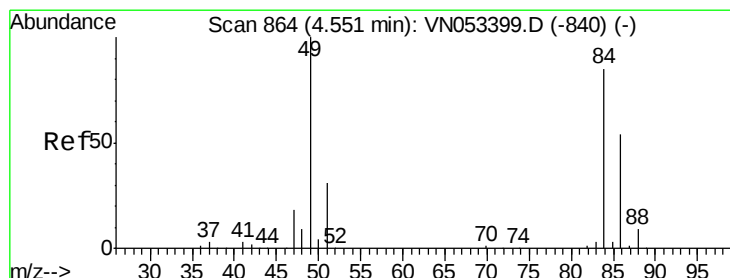
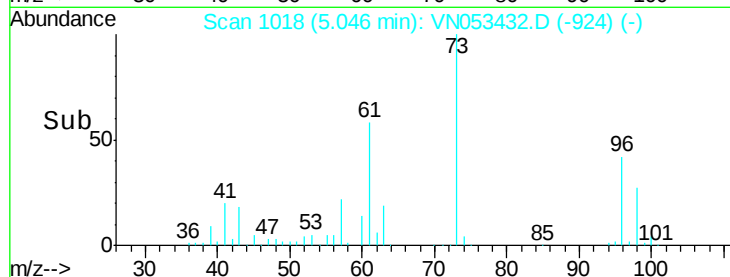
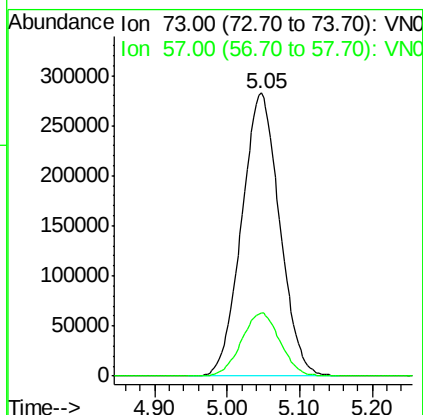
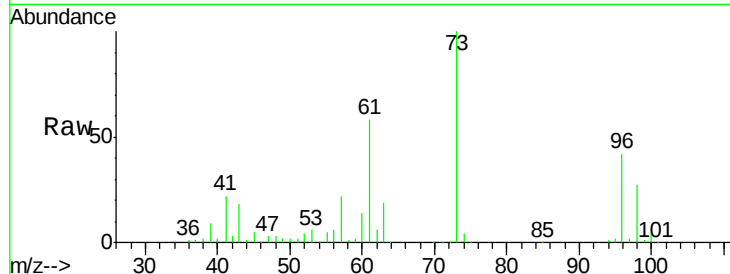


#19

Methyl tert-butyl Ether
 Concen: 55.041 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

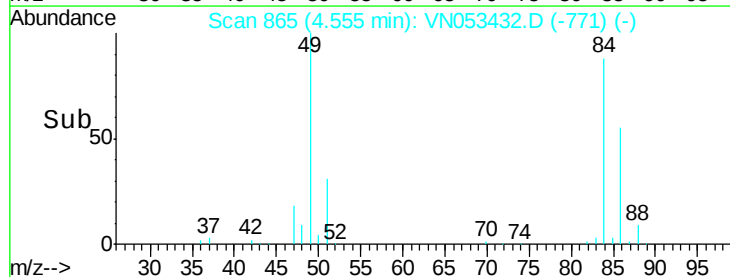
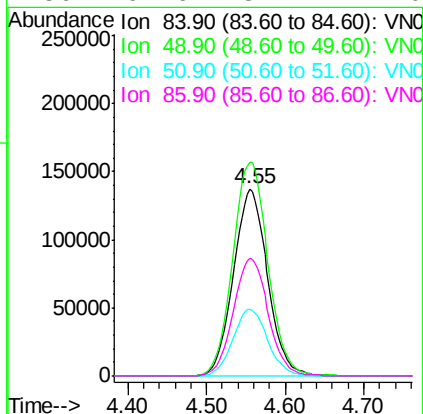
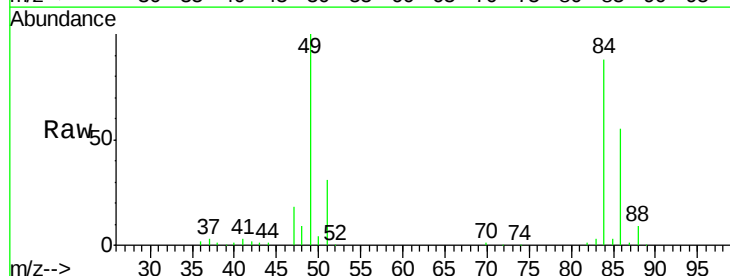
Tot Ion: 73 Resp: 1029616
 Ion Ratio Lower Upper
 73 100
 57 22.3 18.3 27.5

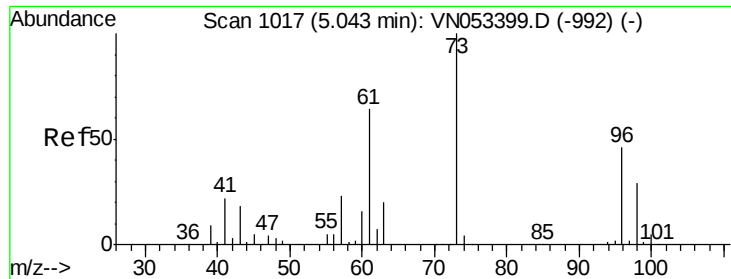


#20

Methylene Chloride
 Concen: 49.765 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Tgt Ion: 84 Resp: 416639
 Ion Ratio Lower Upper
 84 100
 49 114.0 94.3 141.5
 51 35.3 29.4 44.2
 86 62.6 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 50.659 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

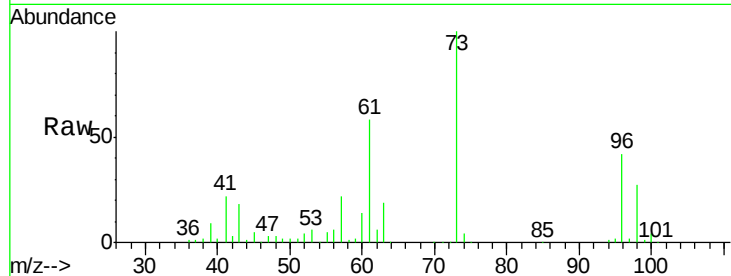
Tot Ion: 96 Resp: 381303

Ion Ratio Lower Upper

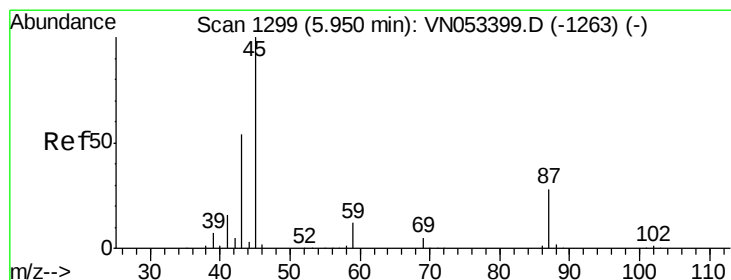
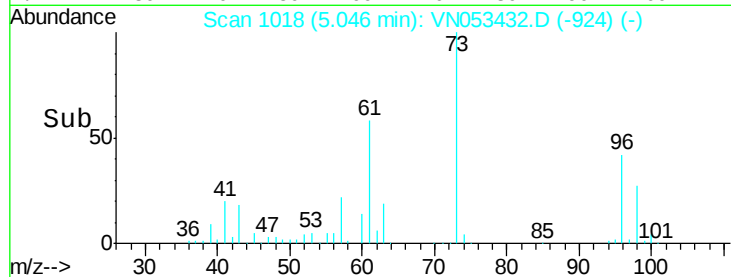
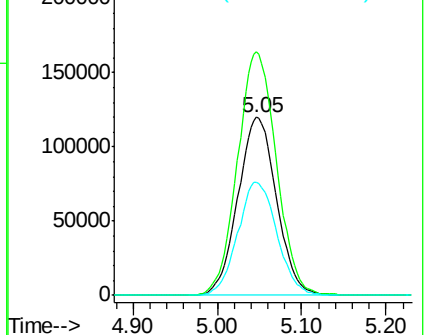
96 100

61 136.9 110.1 165.1

98 63.9 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 52.870 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Tgt Ion: 45 Resp: 1262170

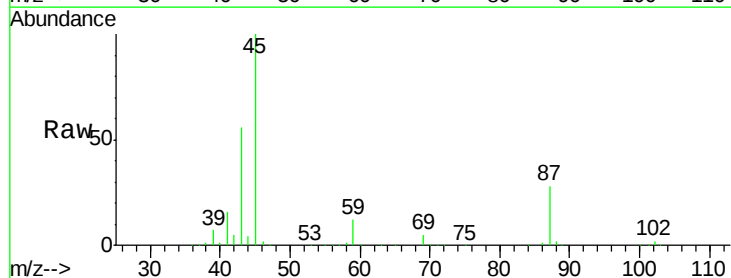
Ion Ratio Lower Upper

45 100

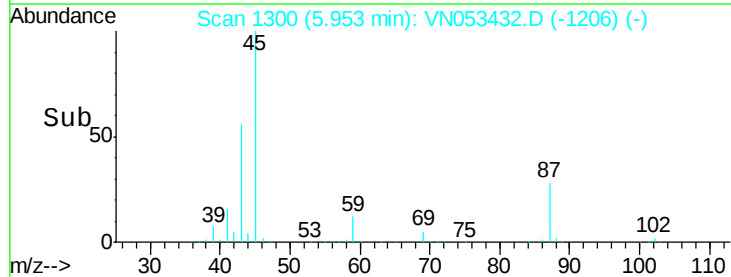
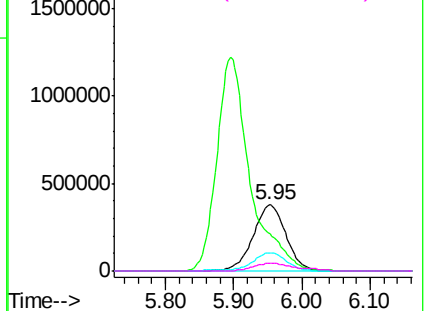
43 55.1 44.2 66.4

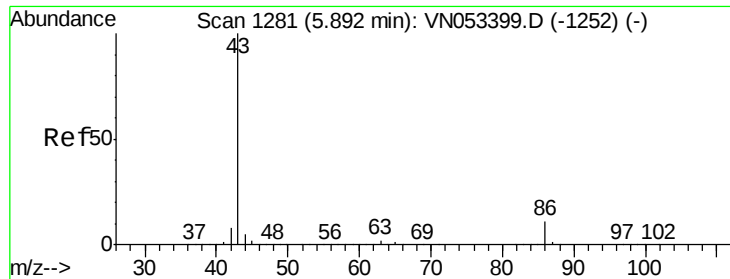
87 27.9 22.7 34.1

59 11.8 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 281.503 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

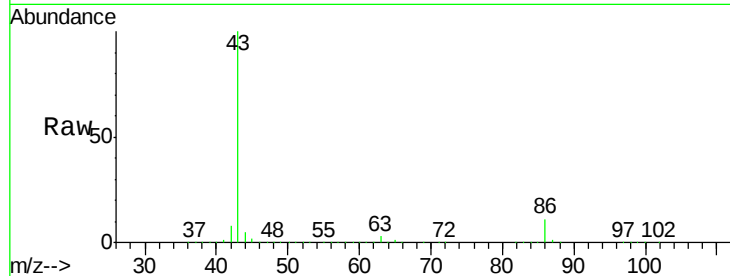
VSTDCCC050EC

Tot Ion: 43 Resp: 4131073

Ion Ratio Lower Upper

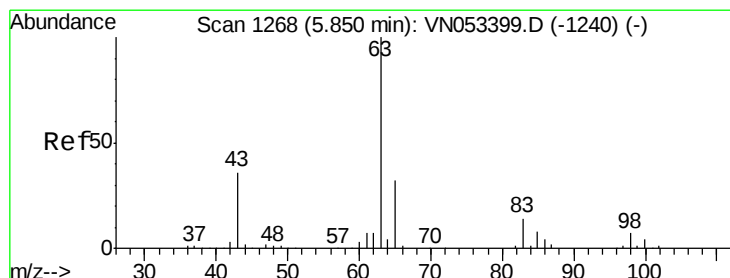
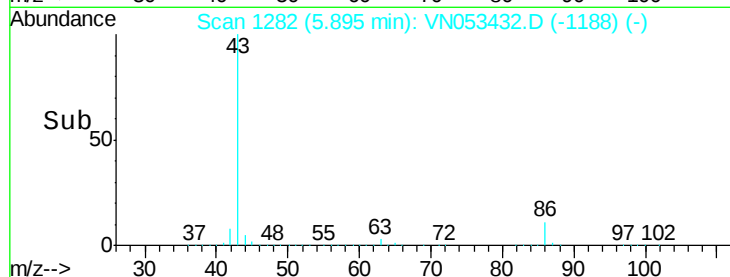
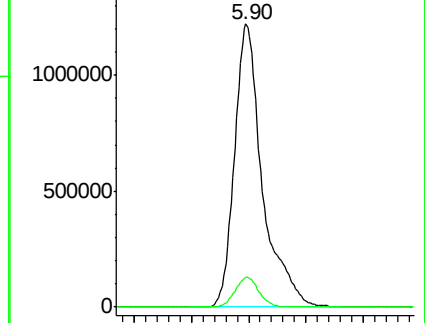
43 100

86 10.5 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 51.243 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

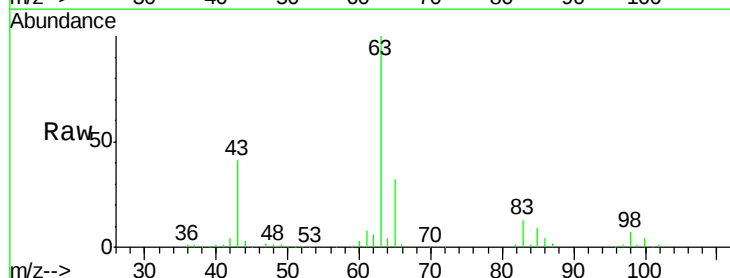
Tgt Ion: 63 Resp: 723180

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

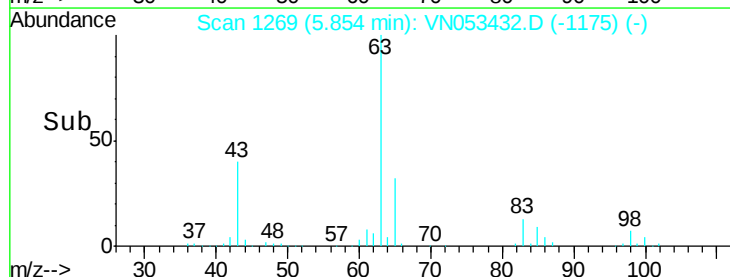
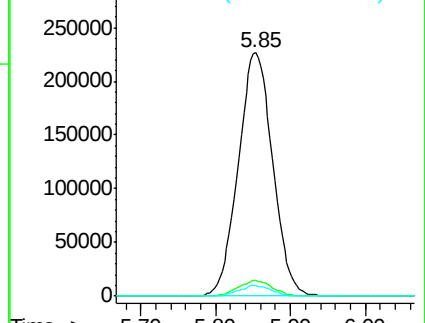
100 4.2 2.1 6.5

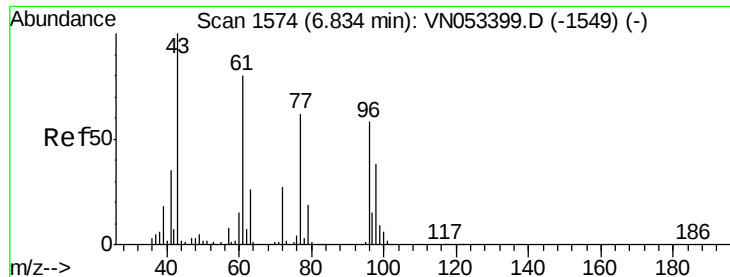


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 292.272 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

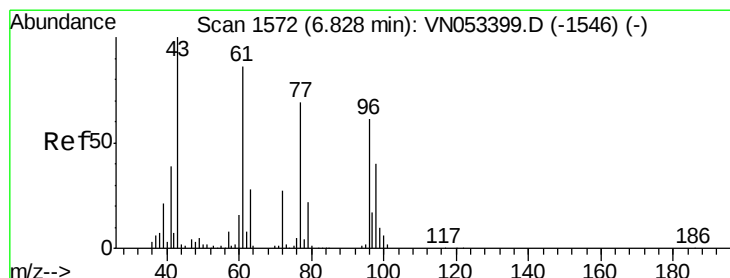
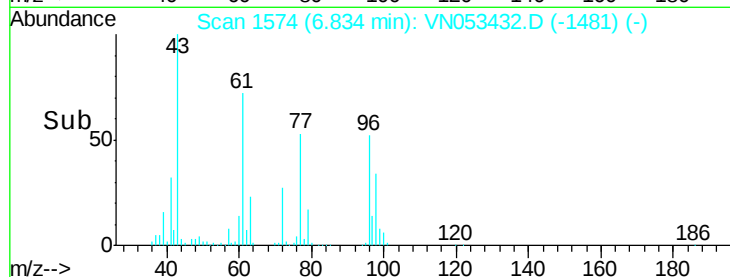
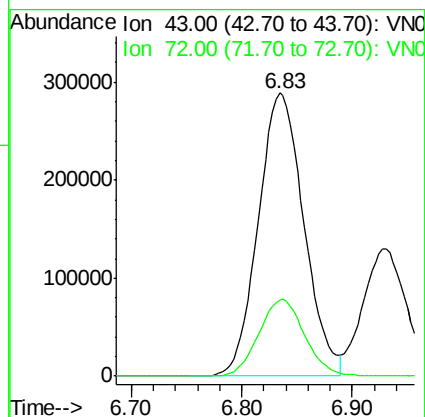
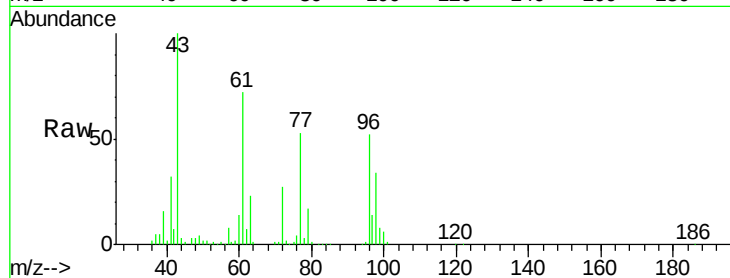
VSTDCCC050EC

Tot Ion: 43 Resp: 825912

Ion Ratio Lower Upper

43 100

72 27.1 22.0 33.0



#26

2,2-Dichloropropane

Concen: 48.011 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053432.D

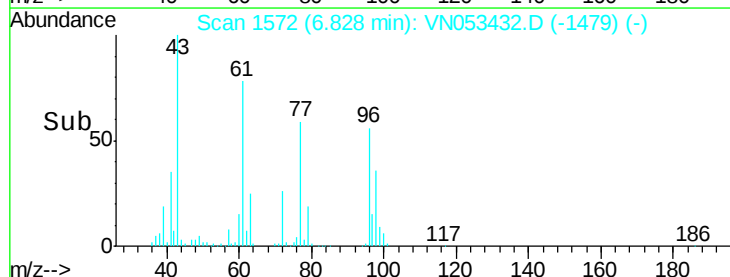
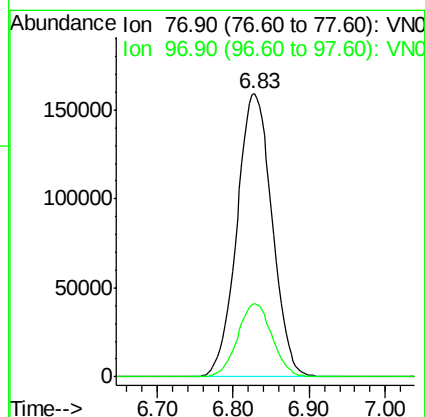
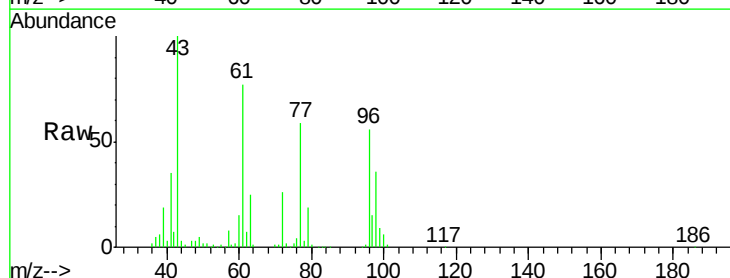
Acq: 16 Jan 2019 18:22

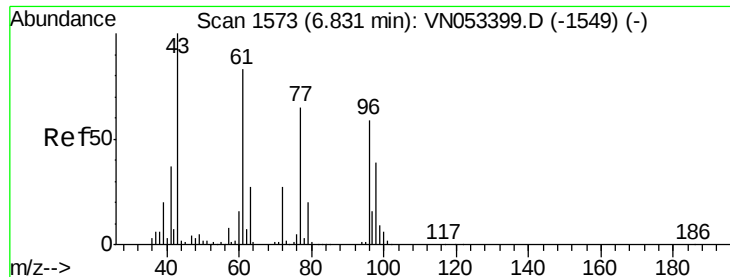
Tgt Ion: 77 Resp: 511584

Ion Ratio Lower Upper

77 100

97 25.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 51.687 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

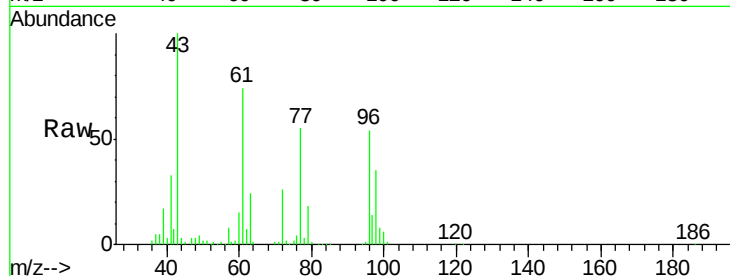
Tot Ion: 96 Resp: 444870

Ion Ratio Lower Upper

96 100

61 139.5 0.0 283.8

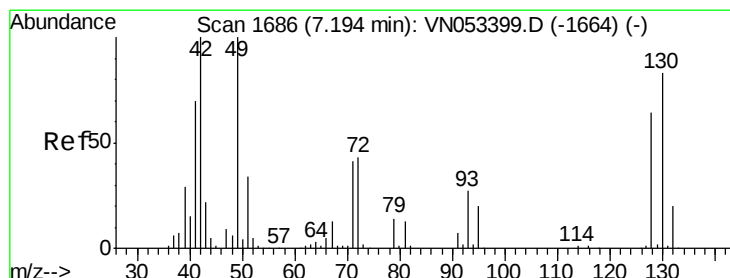
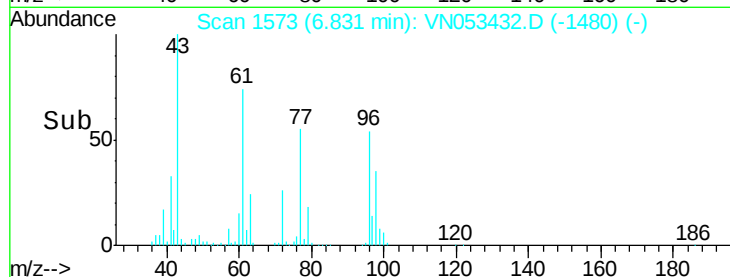
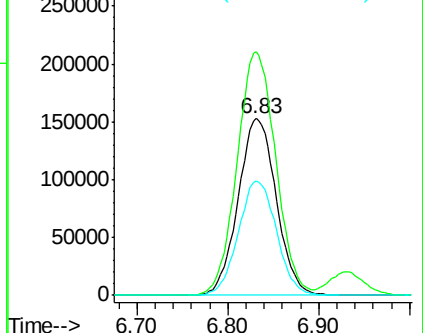
98 64.8 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053432.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN053432.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN053432.D (-1480) (-)



#28

Bromochloromethane

Concen: 52.783 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

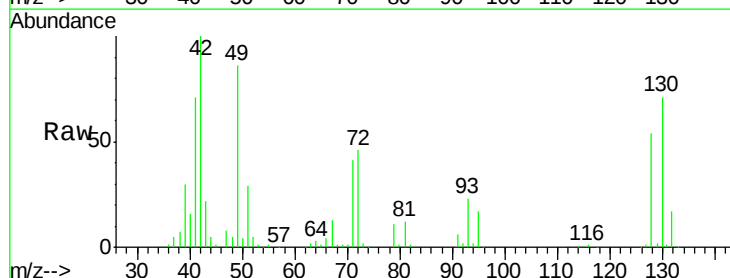
Tgt Ion: 49 Resp: 328168

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

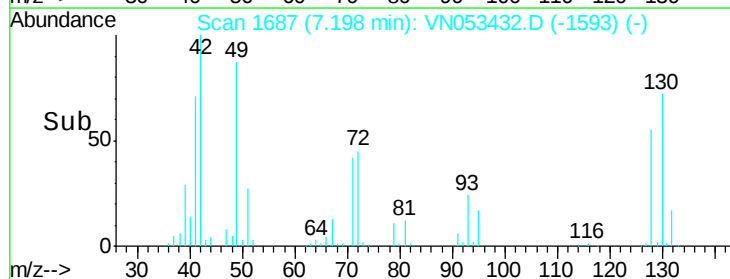
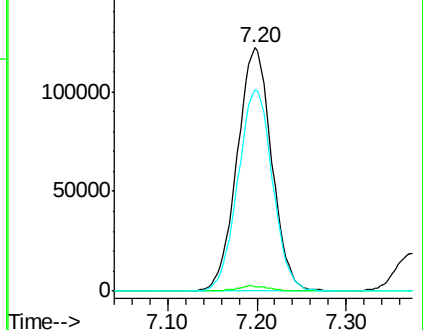
130 83.0 66.3 99.5

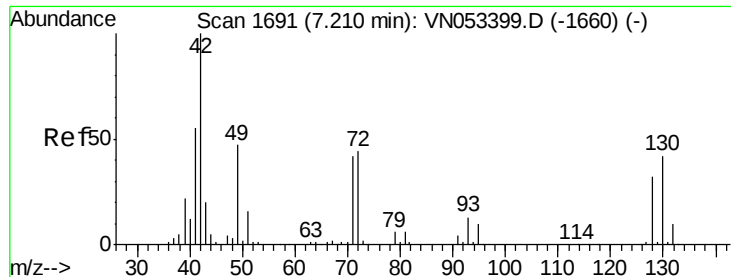


Abundance Ion 48.90 (48.60 to 49.60): VN053432.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053432.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053432.D (-1593) (-)

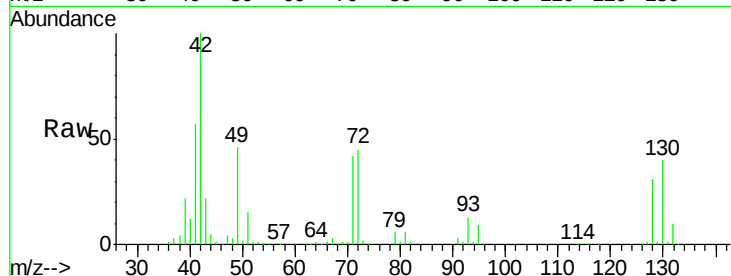




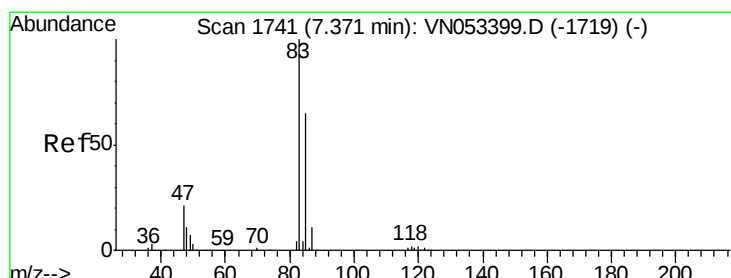
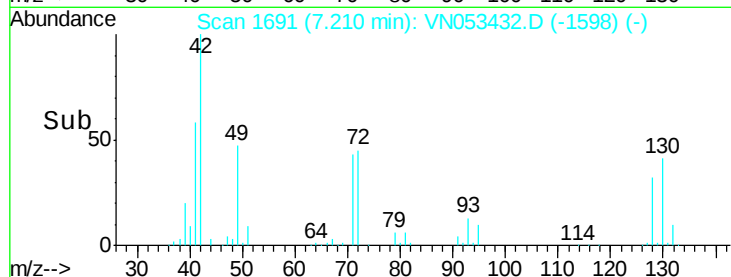
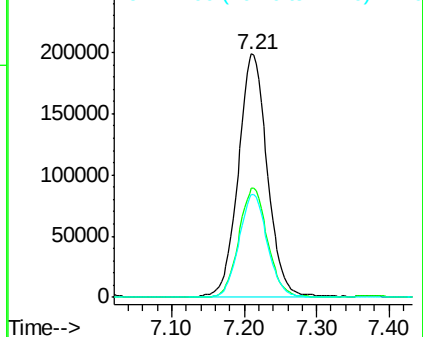
#29
Tetrahydrofuran
Concen: 300.169 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 552200
Ion Ratio Lower Upper
42 100
72 44.6 35.2 52.8
71 41.6 33.0 49.4

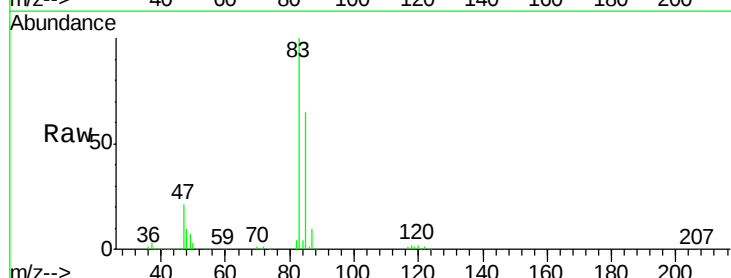


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

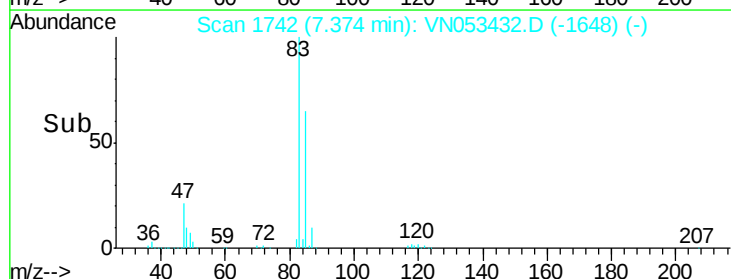
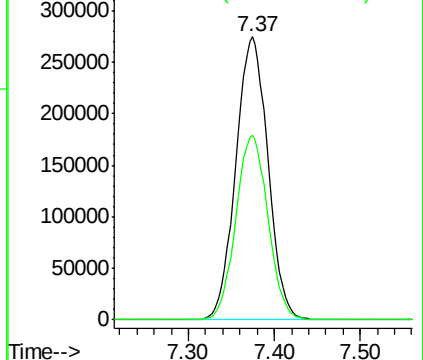


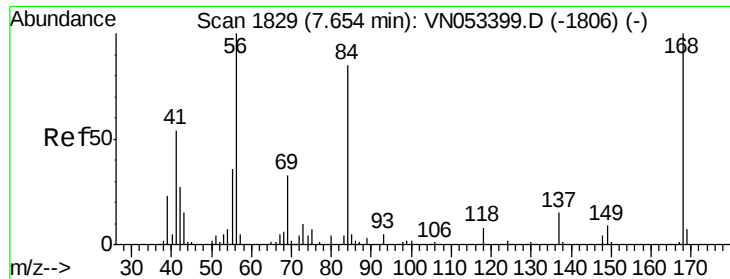
#30
Chloroform
Concen: 51.961 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion: 83 Resp: 714479
Ion Ratio Lower Upper
83 100
85 65.1 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

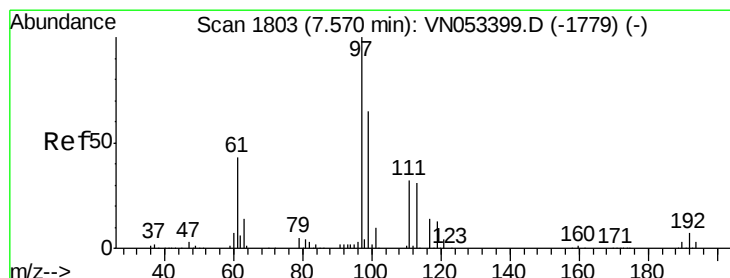
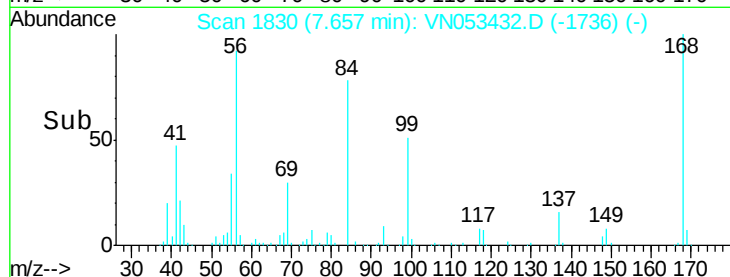
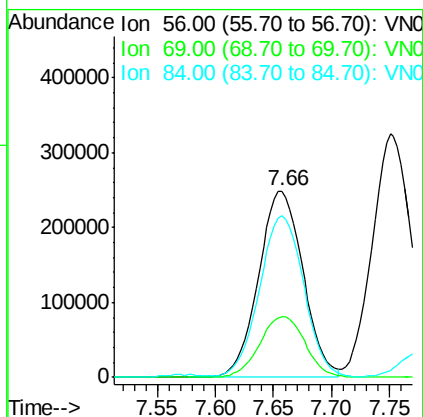
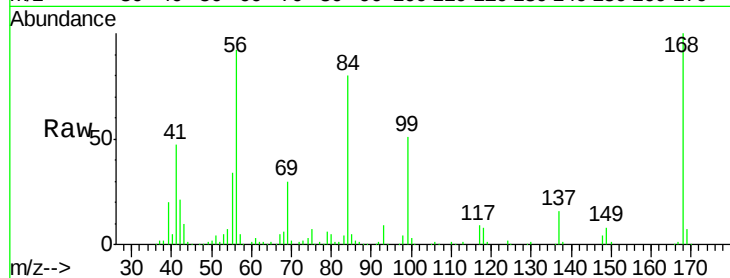




#31
Cyclohexane
Concen: 48.184 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

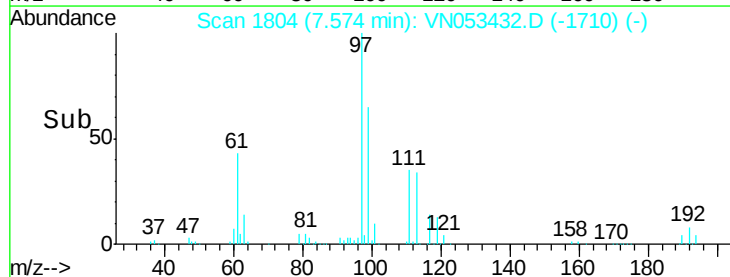
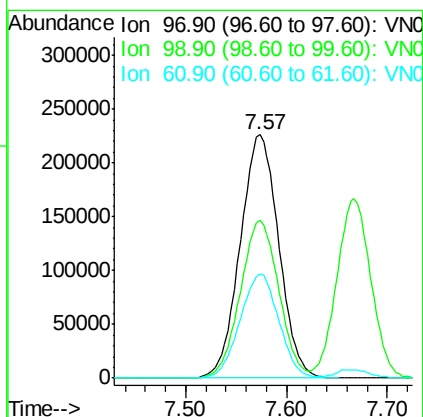
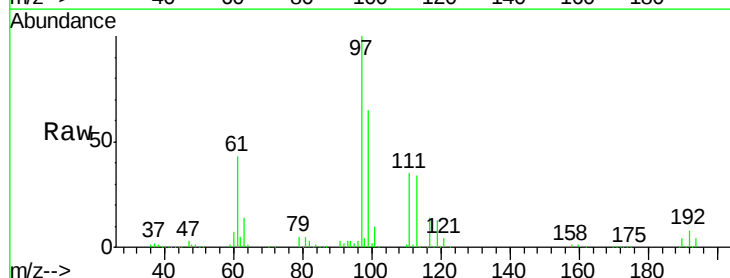
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

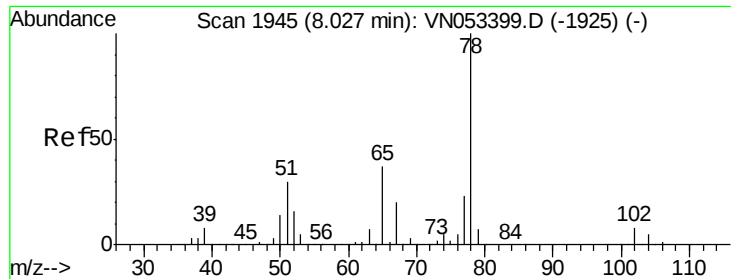
Tot Ion: 56 Resp: 661888
Ion Ratio Lower Upper
56 100
69 32.8 26.4 39.6
84 85.4 67.9 101.9



#32
1,1,1-Trichloroethane
Concen: 51.402 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion: 97 Resp: 599561
Ion Ratio Lower Upper
97 100
99 64.6 52.0 78.0
61 42.8 34.4 51.6





#33

1,2-Dichloroethane-d4

Concen: 51.402 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

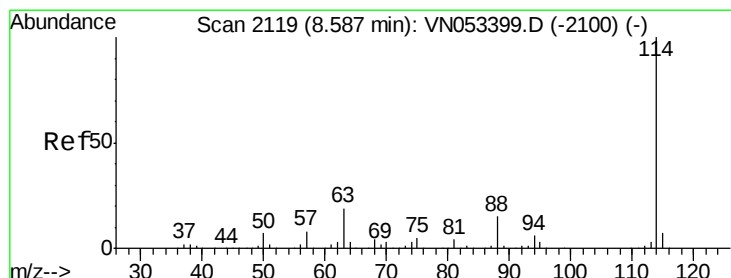
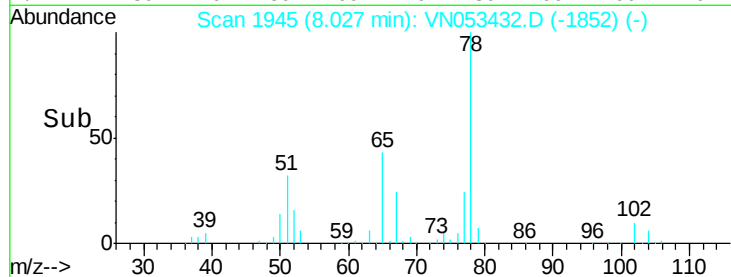
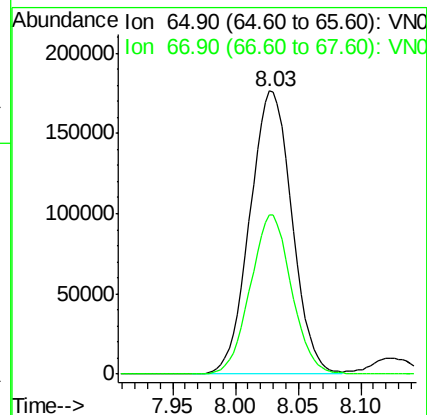
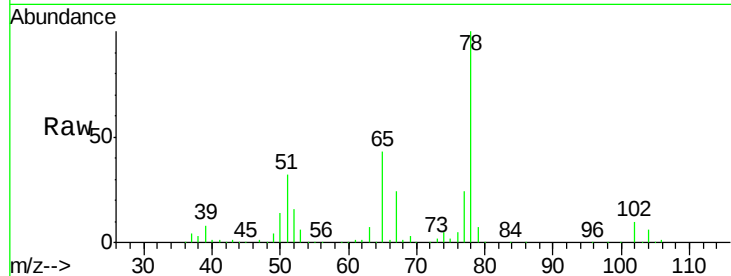
VSTDCCC050EC

Tot Ion: 65 Resp: 412347

Ion Ratio Lower Upper

65 100

67 54.9 0.0 111.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

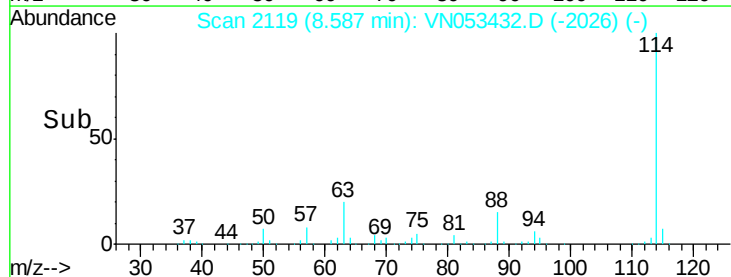
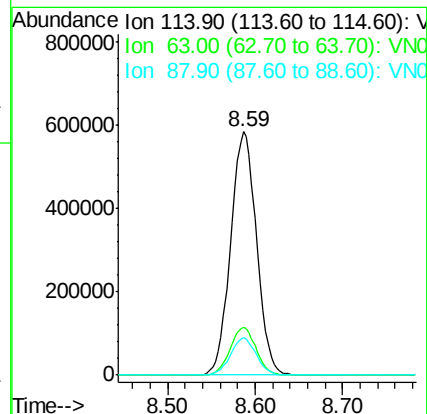
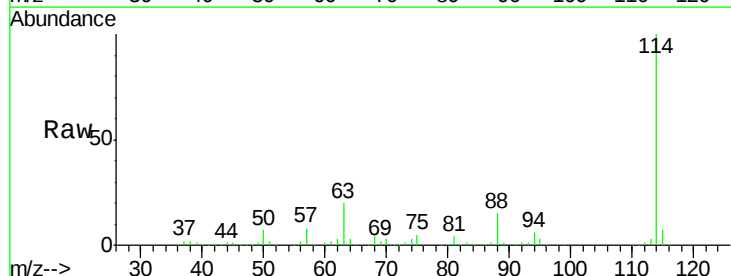
Tgt Ion: 114 Resp: 1201379

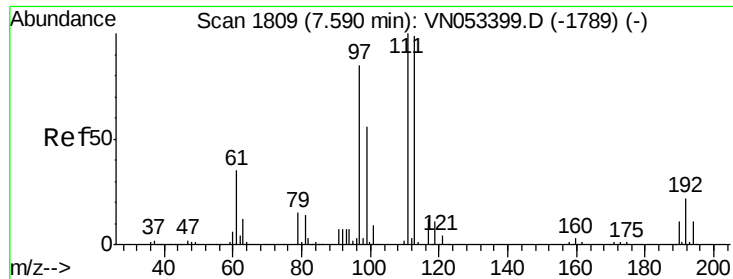
Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.6

88 15.2 0.0 30.4

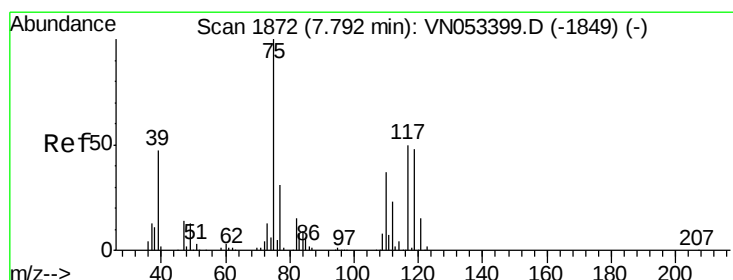
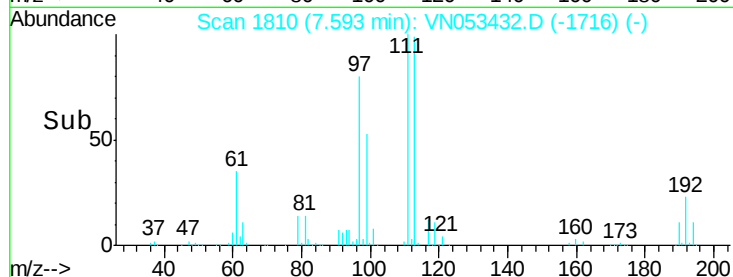
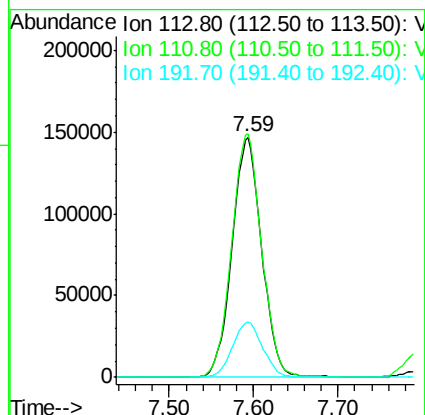
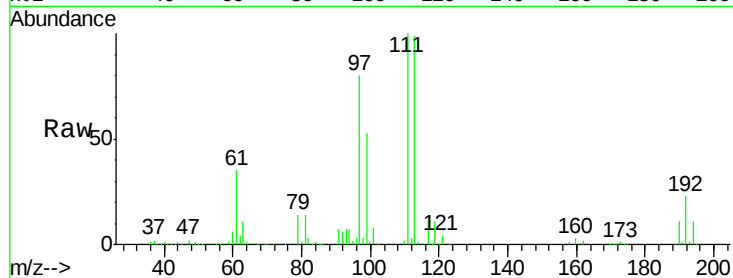




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

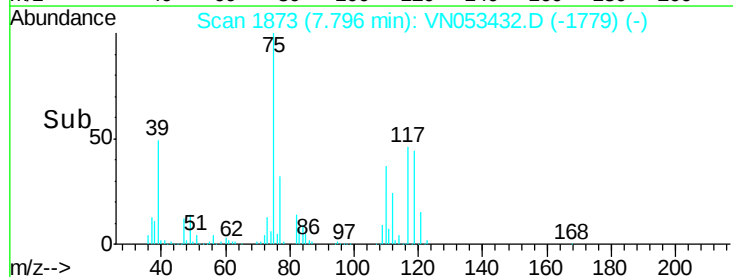
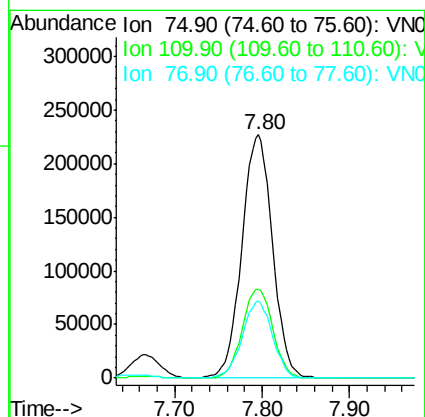
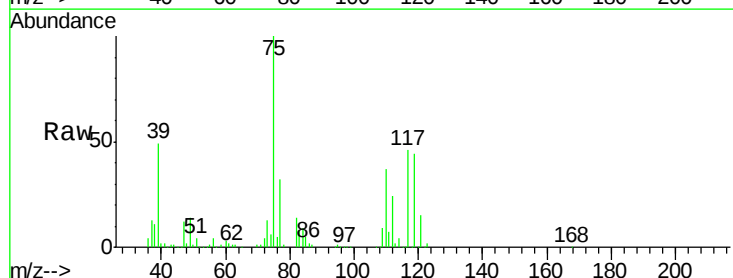
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

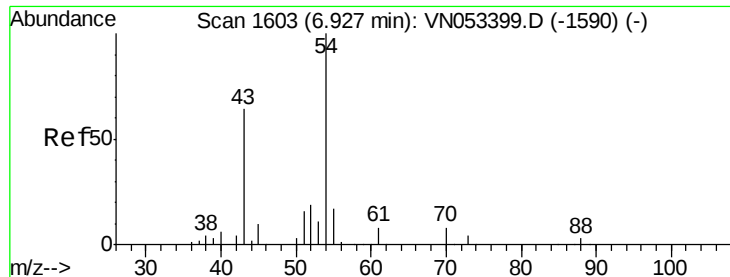
Tot Ion:113 Resp: 358660
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.1 121.7
 192 23.3 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 50.270 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Tgt Ion: 75 Resp: 550015
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.1 54.3
 77 31.5 25.1 37.7

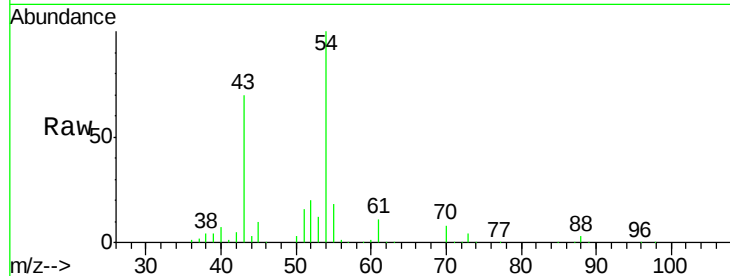




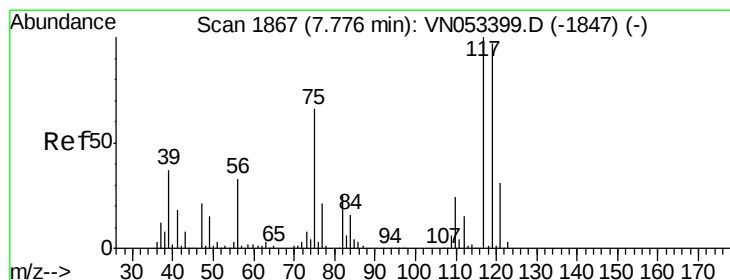
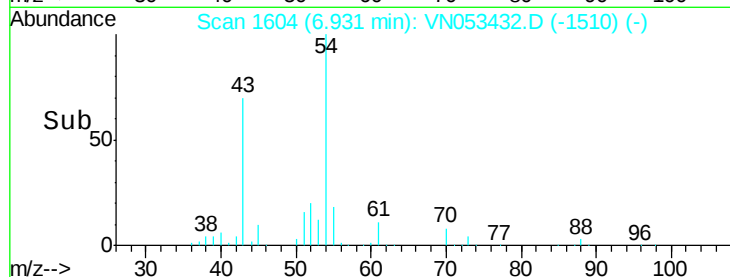
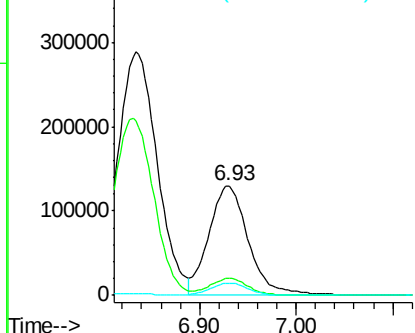
#37
Ethyl Acetate
Concen: 57.555 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 362294
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.6
70 11.0 8.6 12.8

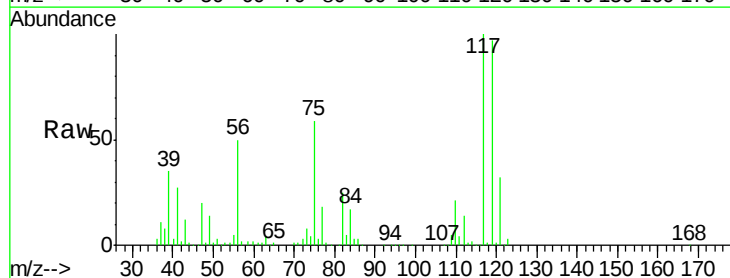


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

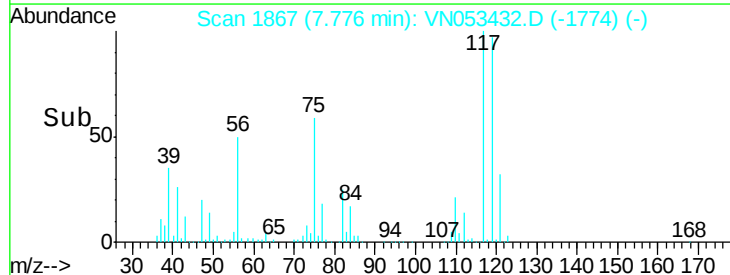
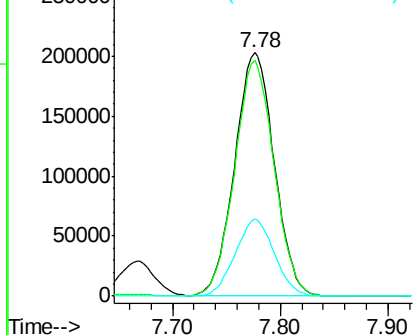


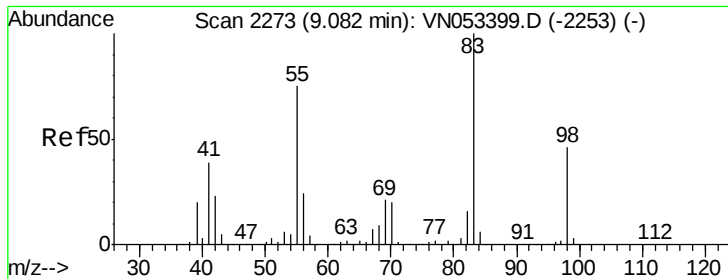
#38
Carbon Tetrachloride
Concen: 49.912 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion: 117 Resp: 517008
Ion Ratio Lower Upper
117 100
119 96.8 77.2 115.8
121 31.9 24.6 37.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

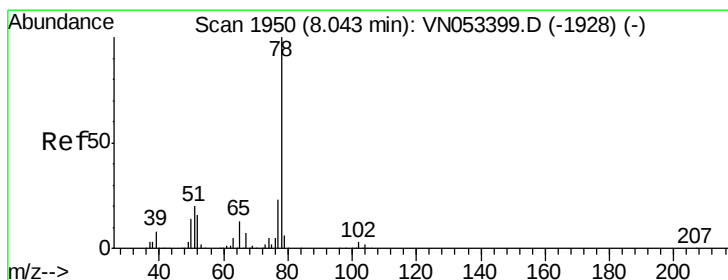
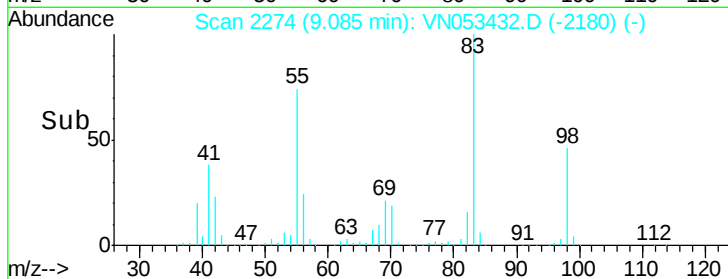
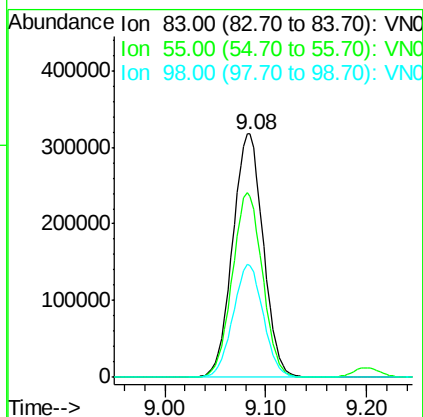
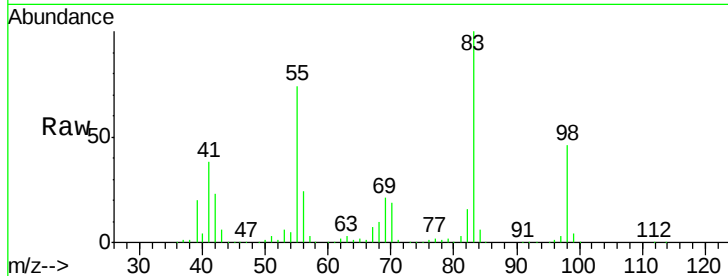




#39
Methvlcvclohexane
Concen: 49.277 ug/l
RT: 9.08 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

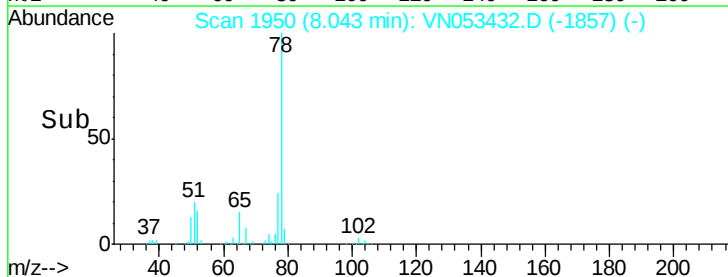
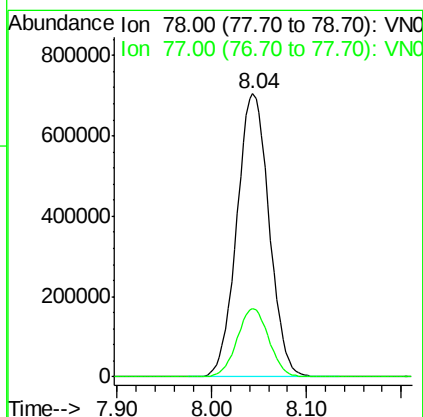
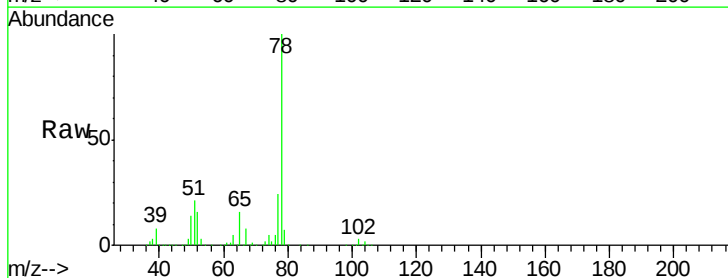
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

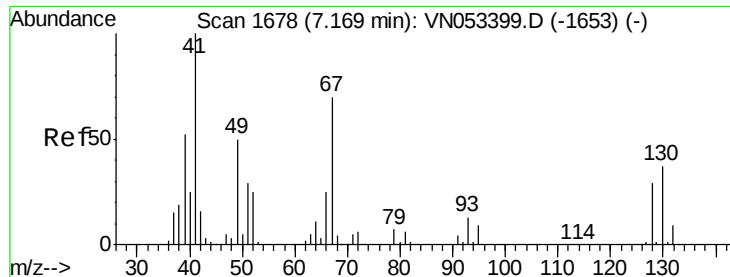
Tot Ion: 83 Resp: 666373
Ion Ratio Lower Upper
83 100
55 74.3 60.1 90.1
98 45.9 36.6 55.0



#40
Benzene
Concen: 50.339 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion: 78 Resp: 1673665
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2

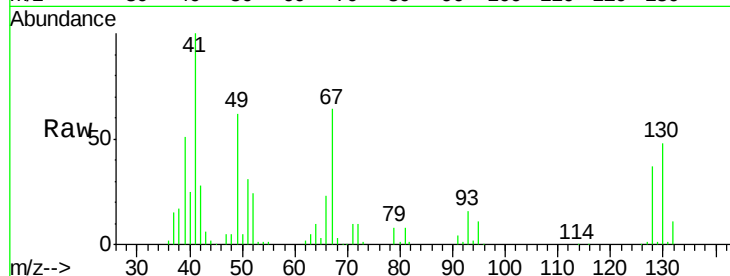




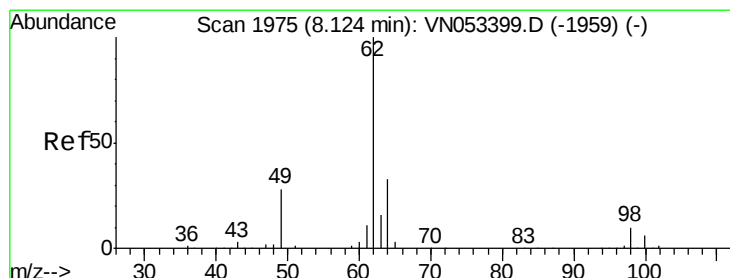
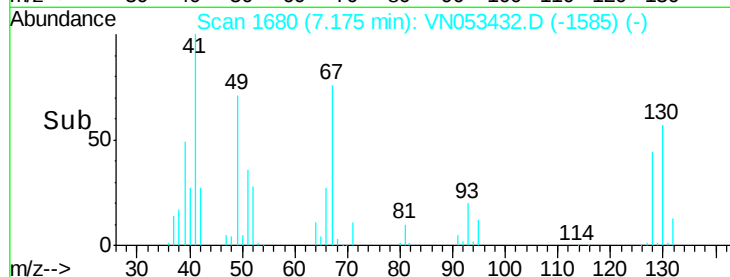
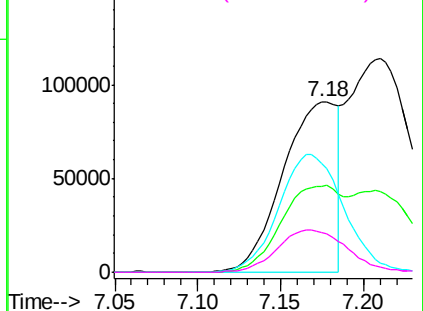
#41
Methacrylonitrile
Concen: 55.470 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	207754
Ion	Ratio	Lower	Upper
41	100		
39	54.8	46.8	70.2
67	83.0	63.0	94.6
52	32.3	23.8	35.8

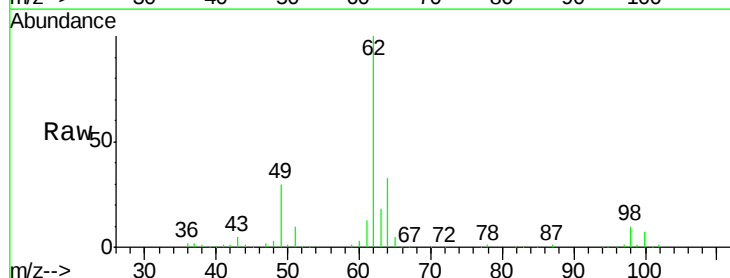


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

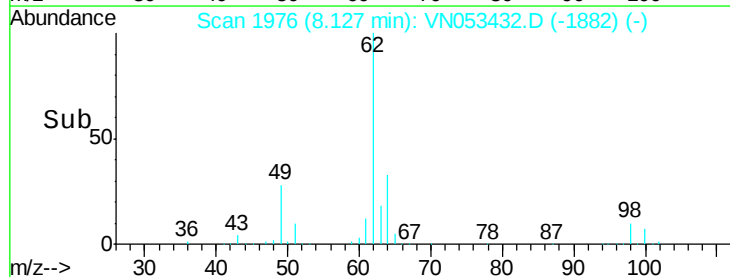
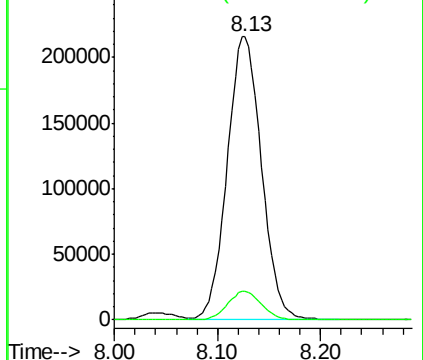


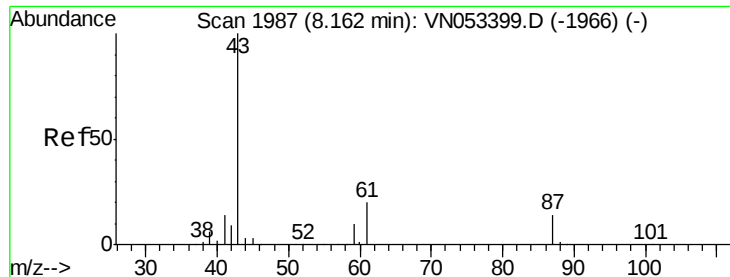
#42
1,2-Dichloroethane
Concen: 51.337 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion:	62	Resp:	497259
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.6



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 58.800 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

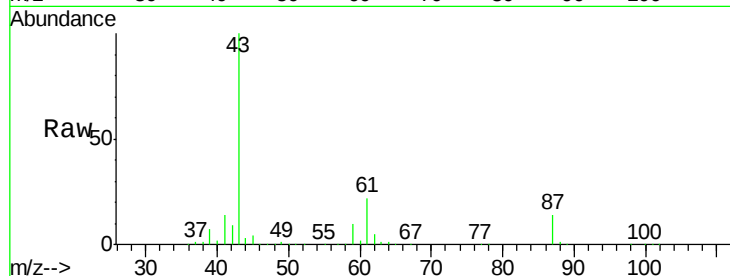
Tot Ion: 43 Resp: 665533

Ion Ratio Lower Upper

43 100

61 29.1 23.9 35.9

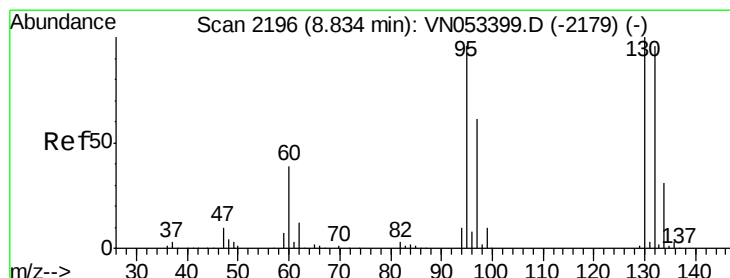
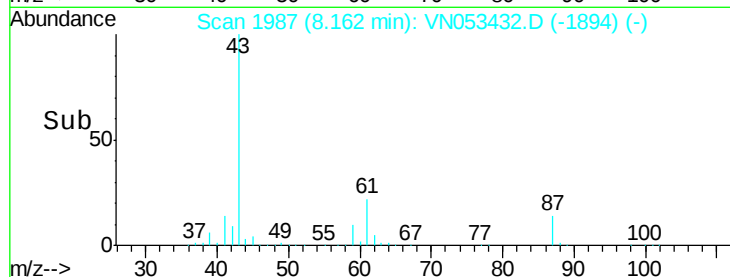
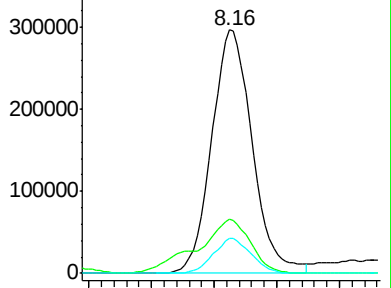
87 13.5 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN053399.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN053399.D (-1966) (-)



#44

Trichloroethene

Concen: 50.486 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053432.D

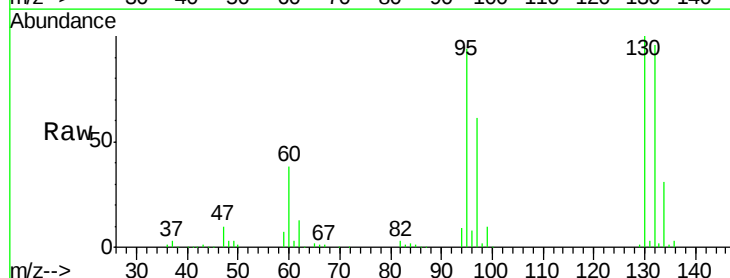
Acq: 16 Jan 2019 18:22

Tgt Ion: 130 Resp: 465493

Ion Ratio Lower Upper

130 100

95 94.0 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053399.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053399.D (-2179) (-)

Ion 130.00 (129.70 to 130.30): VN053399.D (-2179) (-)

Ion 137.00 (136.70 to 137.30): VN053399.D (-2179) (-)

Ion 139.00 (138.70 to 139.30): VN053399.D (-2179) (-)

Ion 141.00 (140.70 to 141.30): VN053399.D (-2179) (-)

Ion 143.00 (142.70 to 143.30): VN053399.D (-2179) (-)

Ion 145.00 (144.70 to 145.30): VN053399.D (-2179) (-)

Ion 147.00 (146.70 to 147.30): VN053399.D (-2179) (-)

Ion 149.00 (148.70 to 149.30): VN053399.D (-2179) (-)

Ion 151.00 (150.70 to 151.30): VN053399.D (-2179) (-)

Ion 153.00 (152.70 to 153.30): VN053399.D (-2179) (-)

Ion 155.00 (154.70 to 155.30): VN053399.D (-2179) (-)

Ion 157.00 (156.70 to 157.30): VN053399.D (-2179) (-)

Ion 159.00 (158.70 to 159.30): VN053399.D (-2179) (-)

Ion 161.00 (160.70 to 161.30): VN053399.D (-2179) (-)

Ion 163.00 (162.70 to 163.30): VN053399.D (-2179) (-)

Ion 165.00 (164.70 to 165.30): VN053399.D (-2179) (-)

Ion 167.00 (166.70 to 167.30): VN053399.D (-2179) (-)

Ion 169.00 (168.70 to 169.30): VN053399.D (-2179) (-)

Ion 171.00 (170.70 to 171.30): VN053399.D (-2179) (-)

Ion 173.00 (172.70 to 173.30): VN053399.D (-2179) (-)

Ion 175.00 (174.70 to 175.30): VN053399.D (-2179) (-)

Ion 177.00 (176.70 to 177.30): VN053399.D (-2179) (-)

Ion 179.00 (178.70 to 179.30): VN053399.D (-2179) (-)

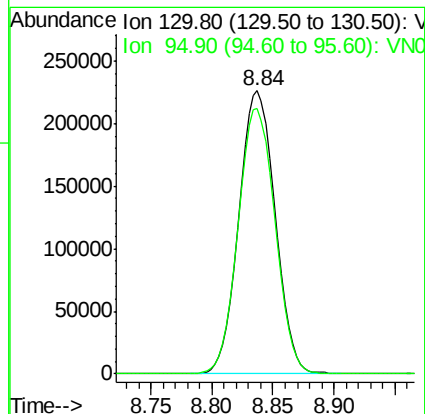
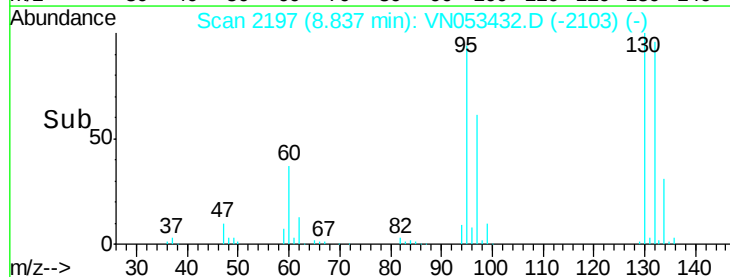
Ion 181.00 (180.70 to 181.30): VN053399.D (-2179) (-)

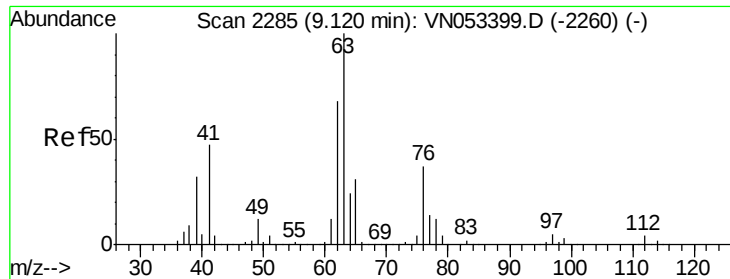
Ion 183.00 (182.70 to 183.30): VN053399.D (-2179) (-)

Ion 185.00 (184.70 to 185.30): VN053399.D (-2179) (-)

Ion 187.00 (186.70 to 187.30): VN053399.D (-2179) (-)

Ion 189.00 (188.70 to 189.30): VN053399.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 50.818 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

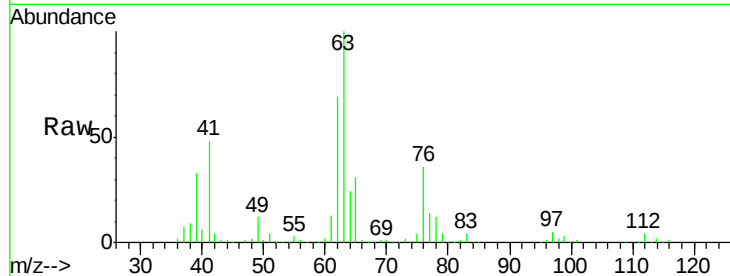
VSTDCCC050EC

Tot Ion: 63 Resp: 447522

Ion Ratio Lower Upper

63 100

65 31.2 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

200000

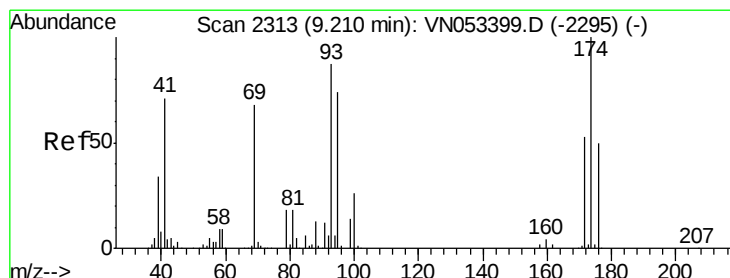
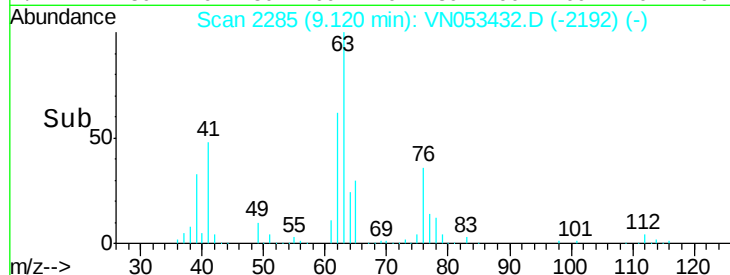
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 52.267 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

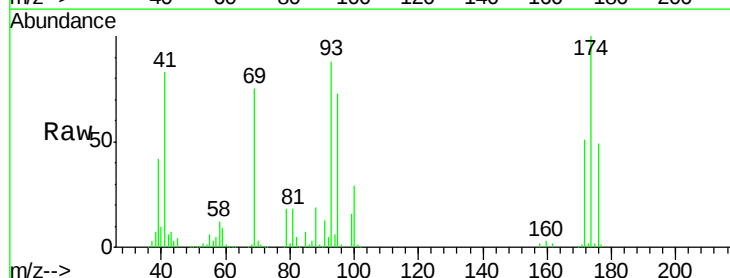
Tgt Ion: 93 Resp: 264450

Ion Ratio Lower Upper

93 100

95 84.2 67.3 100.9

174 114.8 91.0 136.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

200000

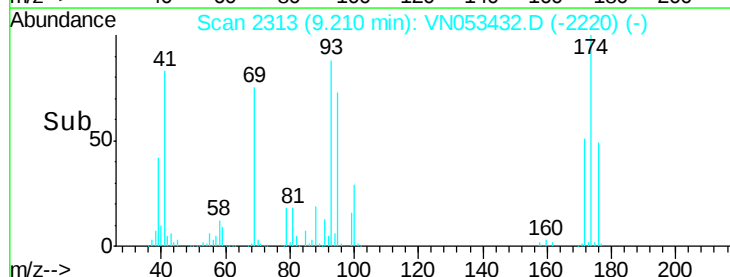
150000

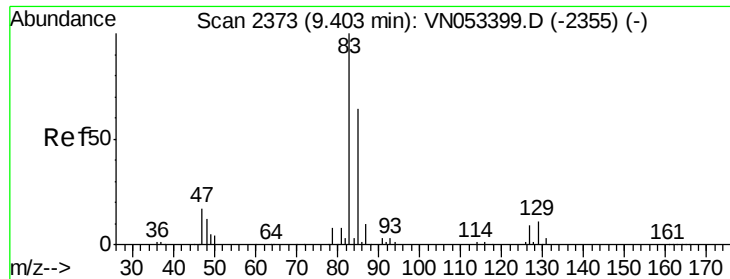
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 51.294 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

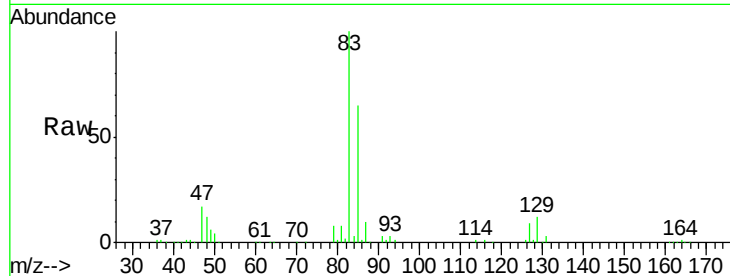
Tot Ion: 83 Resp: 545778

Ion Ratio Lower Upper

83 100

85 65.1 51.0 76.6

127 8.9 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

9.40

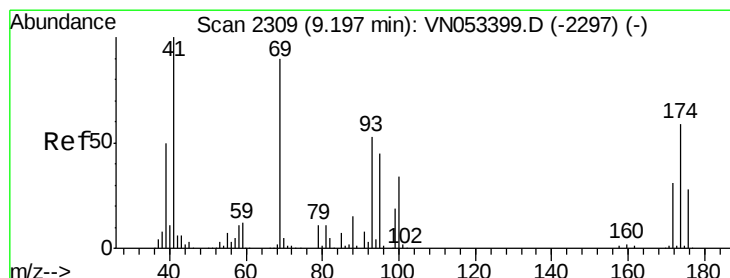
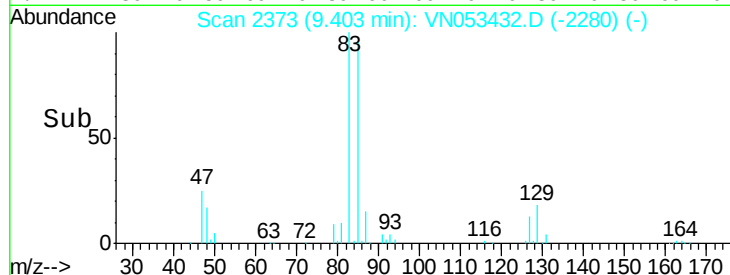
300000

200000

100000

0

Time--> 9.30 9.40 9.50



#48

Methyl methacrylate

Concen: 56.372 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

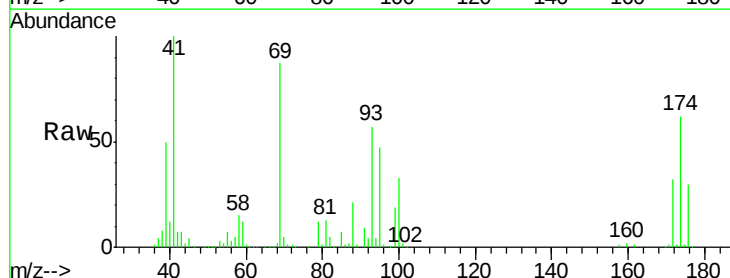
Tgt Ion: 41 Resp: 329445

Ion Ratio Lower Upper

41 100

69 92.3 73.8 110.6

39 52.5 40.0 60.0



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

9.20

250000

200000

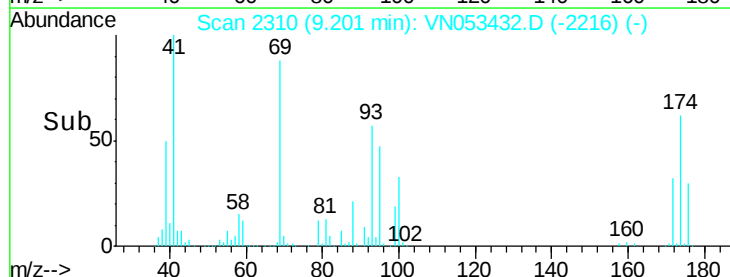
150000

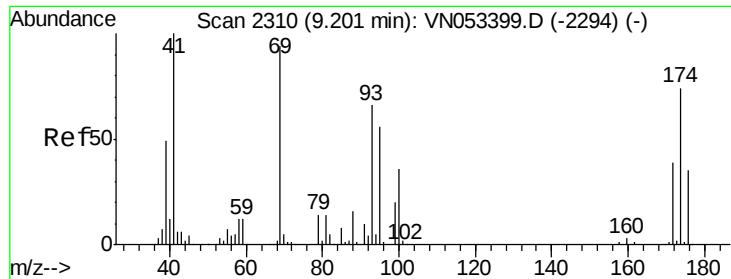
100000

50000

0

Time--> 9.15 9.20 9.25





#49

1,4-Dioxane

Concen: 1376.891 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

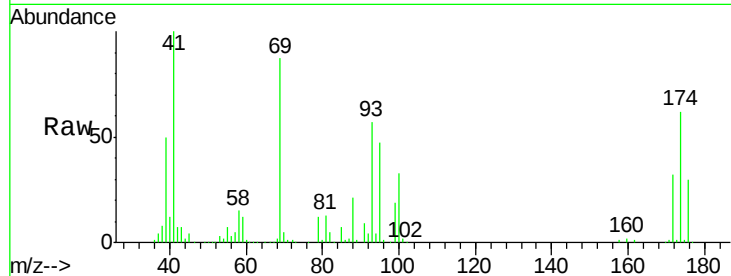
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 78586

Ion	Ratio	Lower	Upper
88	100		
43	31.1	27.8	41.6
58	69.7	56.5	84.7

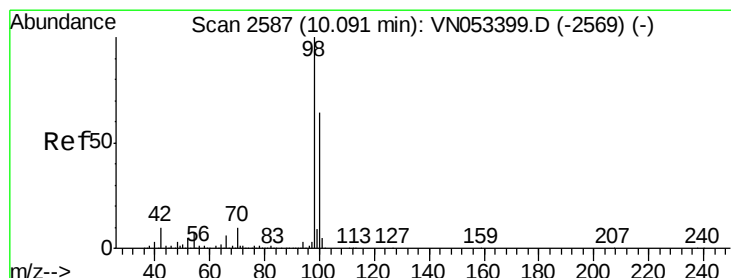
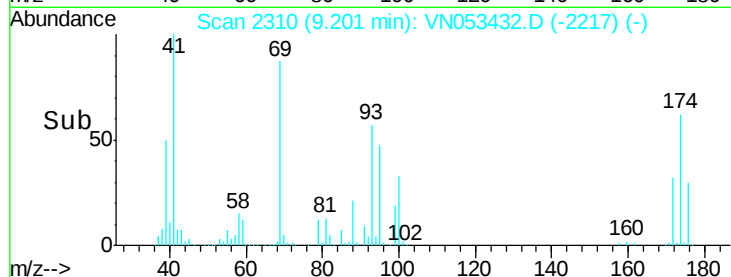
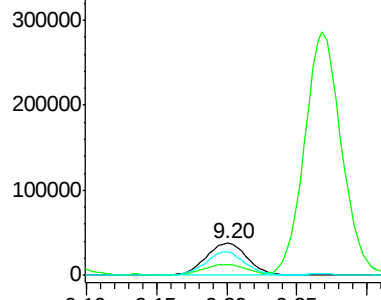


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 1376.891 ug/l

RT: 10.09 min Scan# 2587

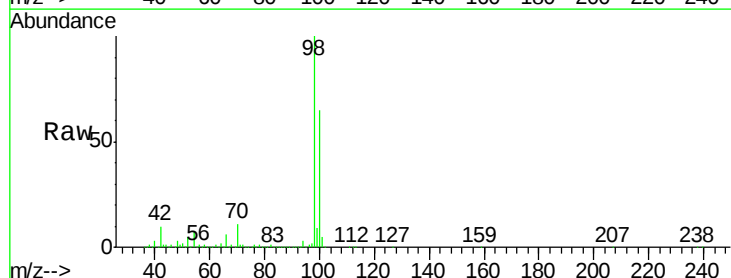
Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Tgt Ion: 98 Resp: 1487952

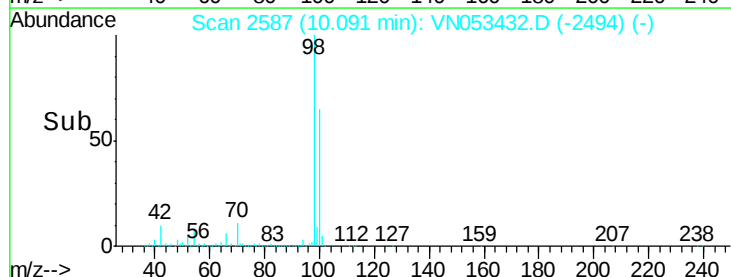
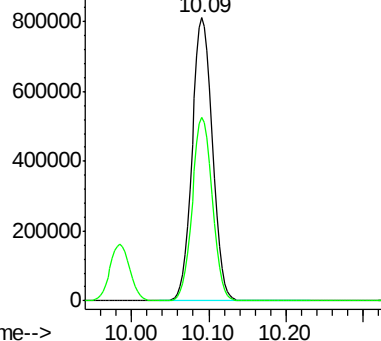
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.4	77.0

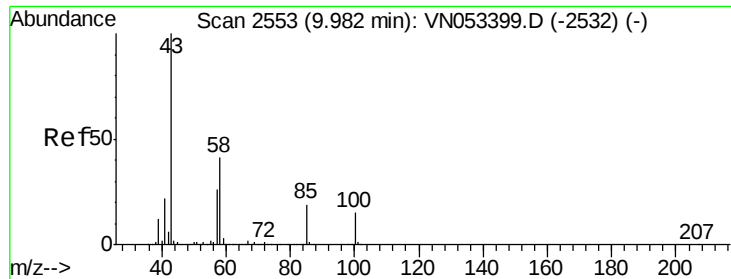


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

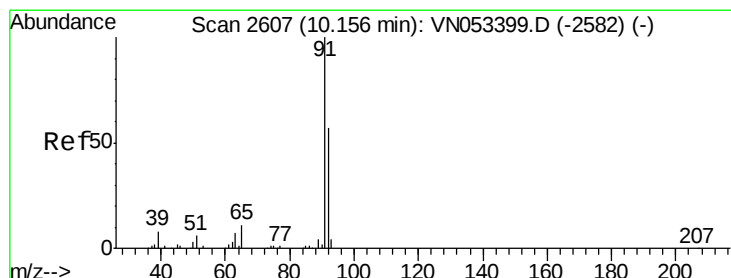
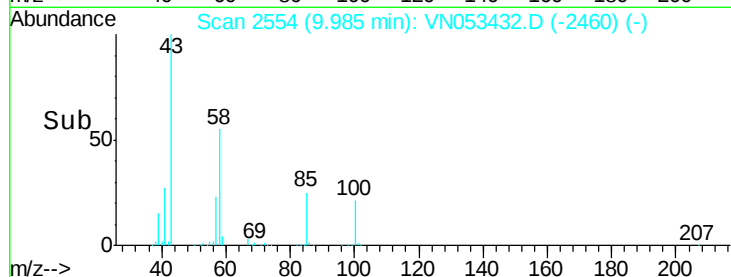
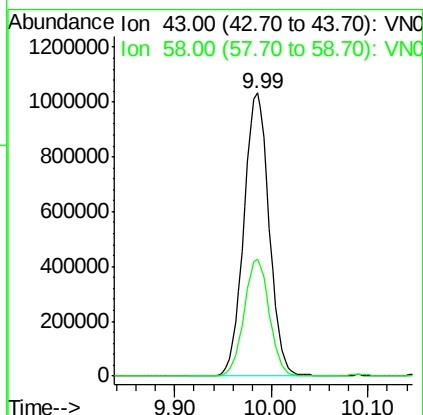
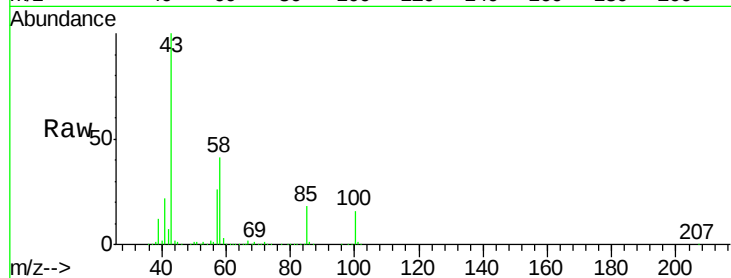




#51
 4-Methyl-2-Pentanone
 Concen: 302.843 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

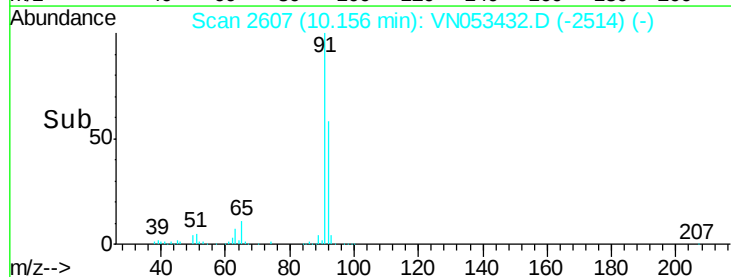
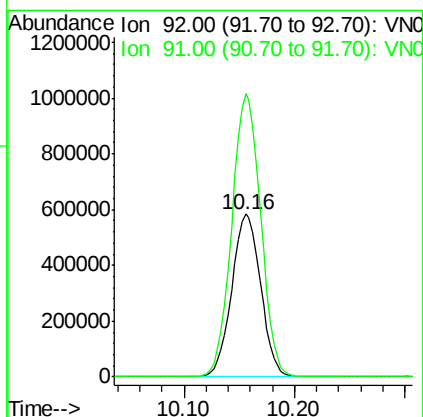
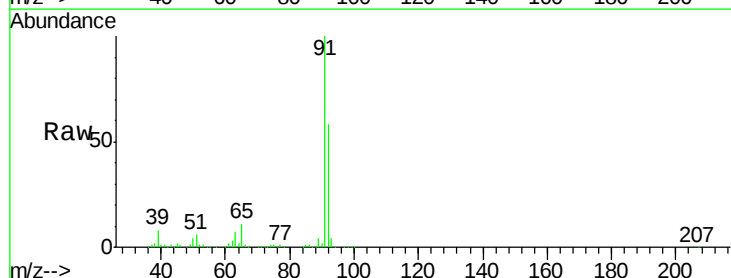
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

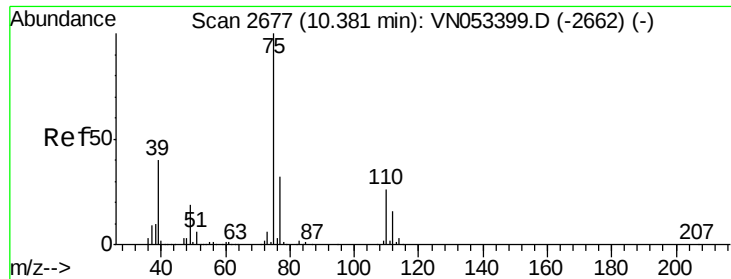
Tot Ion: 43 Resp: 1871205
 Ion Ratio Lower Upper
 43 100
 58 41.1 32.8 49.2



#52
 Toluene
 Concen: 51.241 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Tgt Ion: 92 Resp: 1057670
 Ion Ratio Lower Upper
 92 100
 91 174.5 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 52.954 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

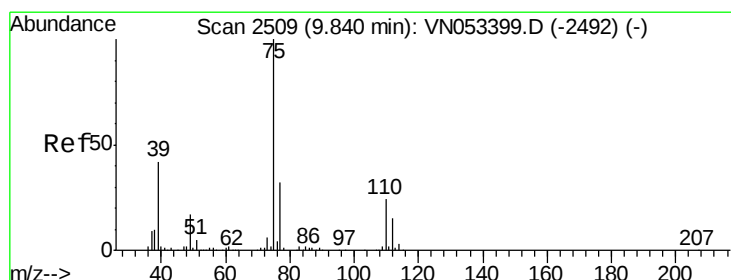
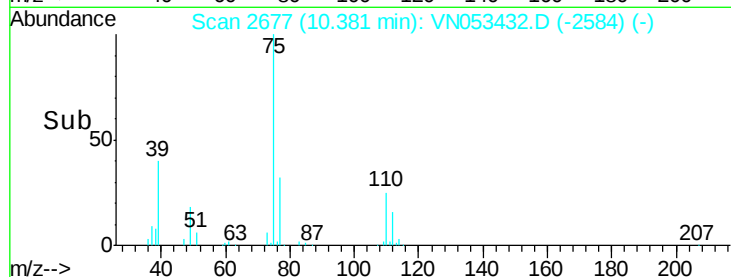
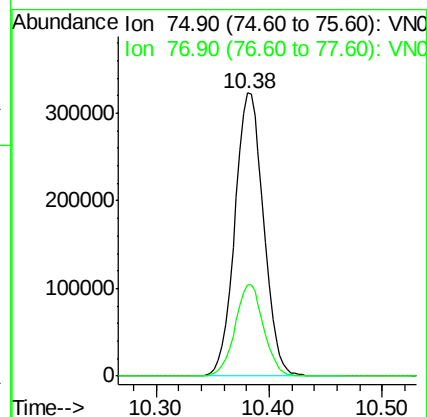
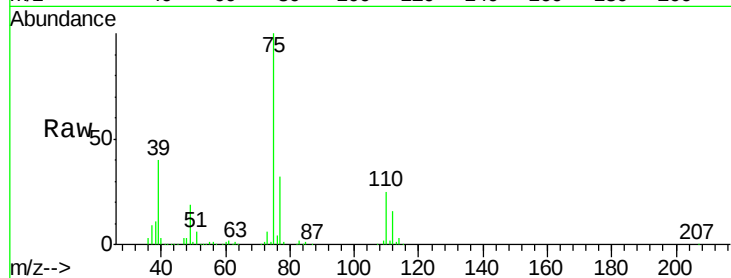
VSTDCCC050EC

Tot Ion: 75 Resp: 571104

Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 51.878 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

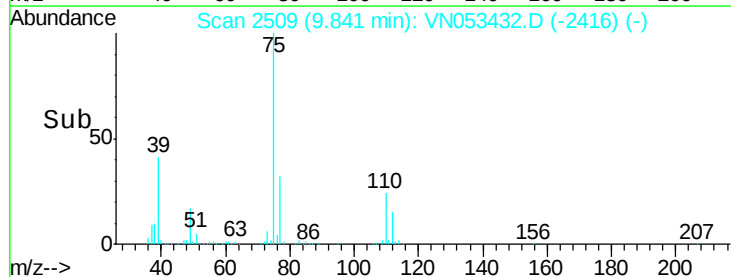
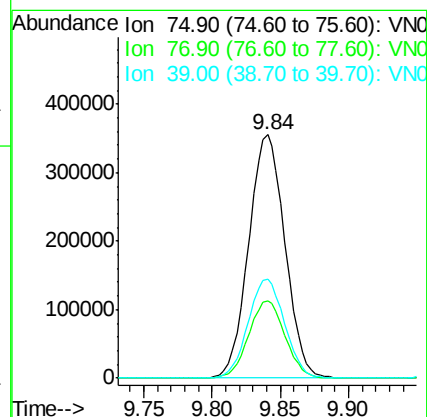
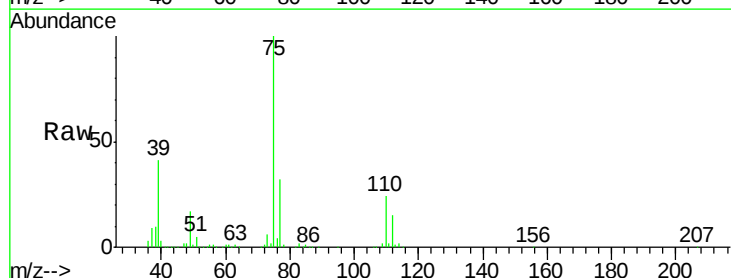
Tgt Ion: 75 Resp: 655877

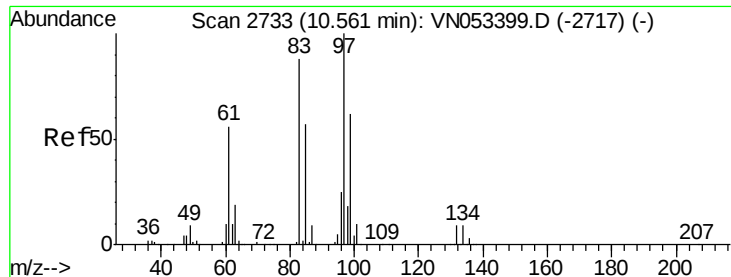
Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.6

39 40.6 33.4 50.0

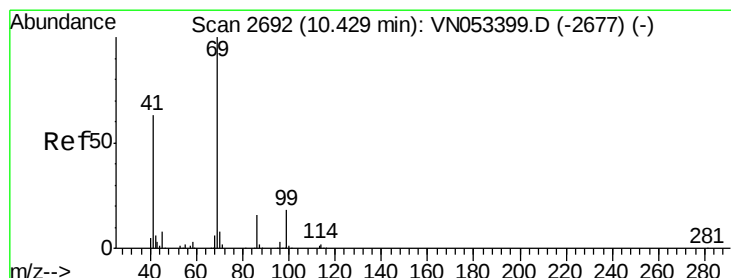
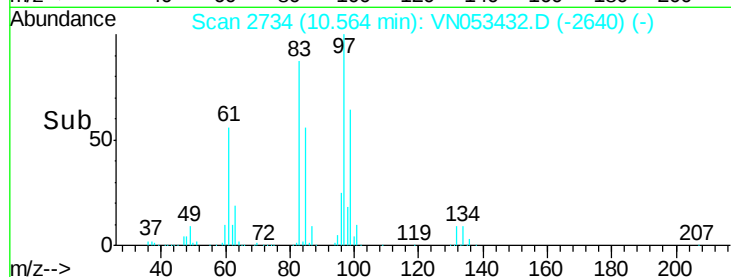
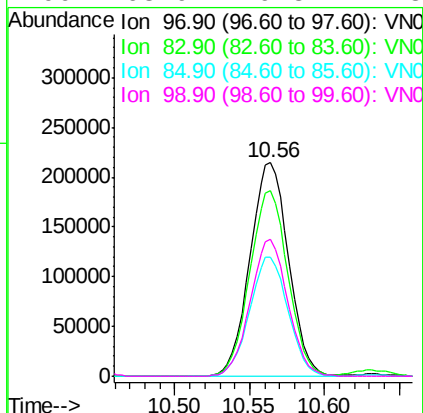
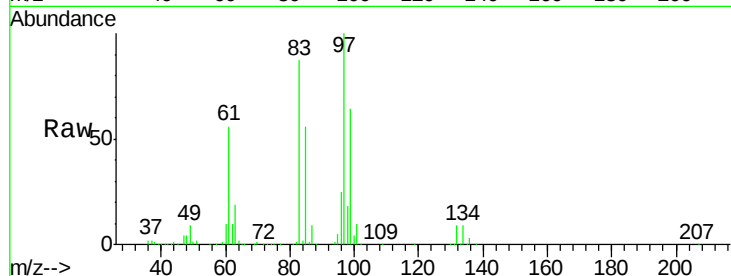




#55
 1,1,2-Trichloroethane
 Concen: 54.092 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

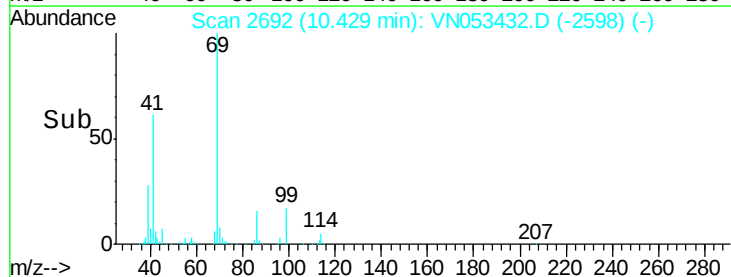
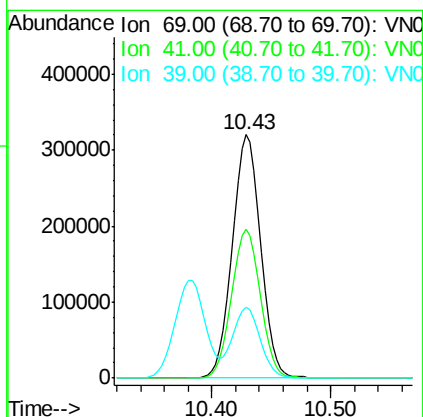
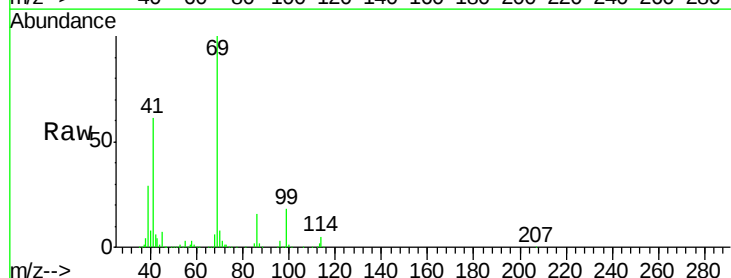
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

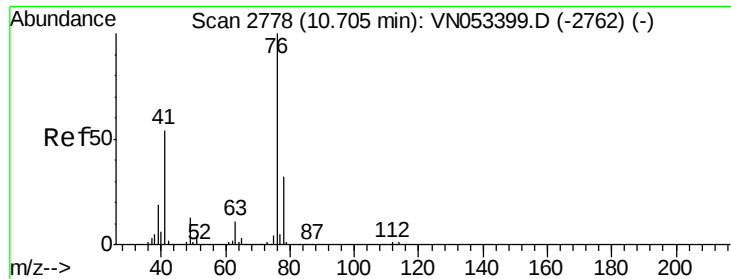
Tot Ion:	97	Resp:	384937
Ion	Ratio	Lower	Upper
97	100		
83	86.8	70.1	105.1
85	55.8	45.4	68.0
99	63.9	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 52.312 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Tgt Ion:	69	Resp:	529317
Ion	Ratio	Lower	Upper
69	100		
41	61.4	49.4	74.0
39	28.8	23.3	34.9





#57

1,3-Dichloropropane

Concen: 53.458 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

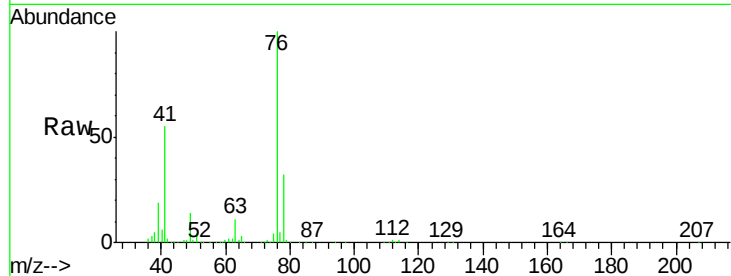
VSTDCCC050EC

Tot Ion: 76 Resp: 658095

Ion Ratio Lower Upper

76 100

78 32.0 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

400000

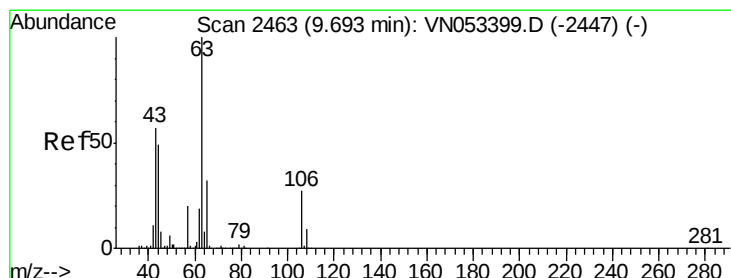
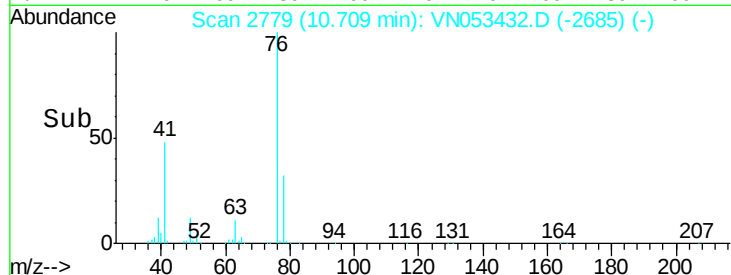
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 276.975 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053432.D

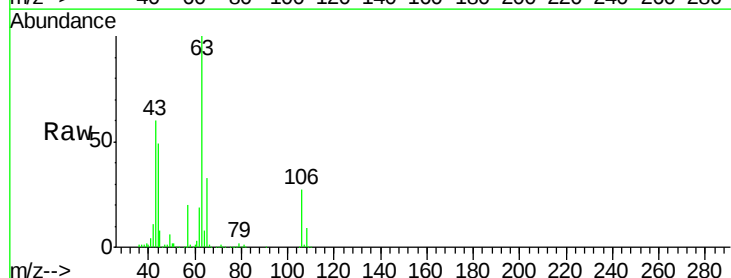
Acq: 16 Jan 2019 18:22

Tgt Ion: 63 Resp: 1378912

Ion Ratio Lower Upper

63 100

106 26.9 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

800000

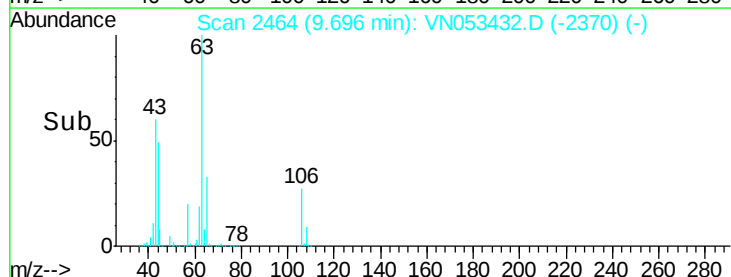
600000

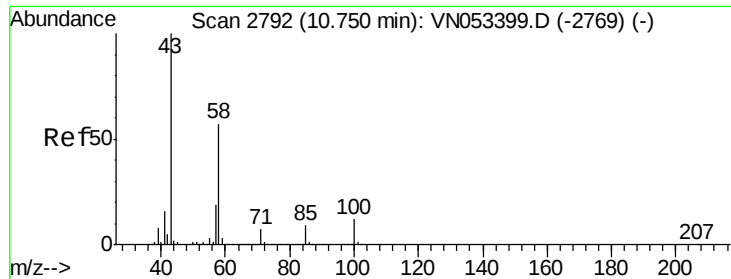
400000

200000

0

Time-->

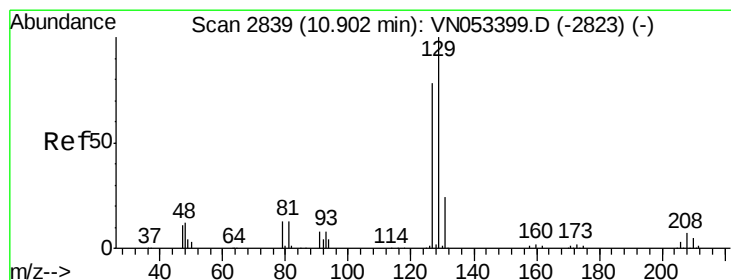
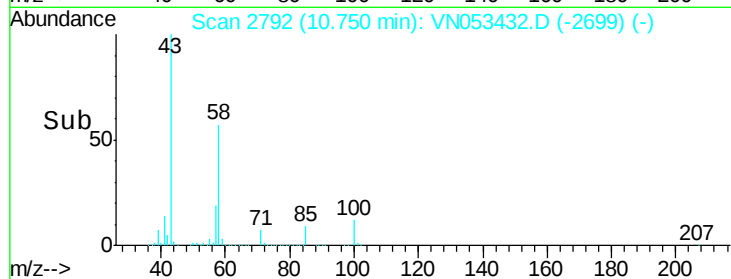
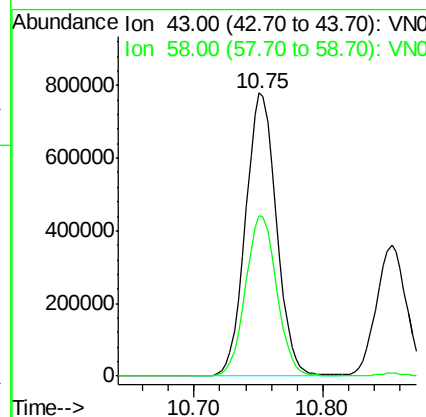
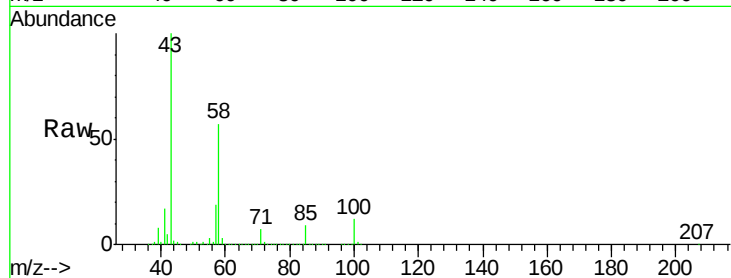




#59
2-Hexanone
Concen: 300.215 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

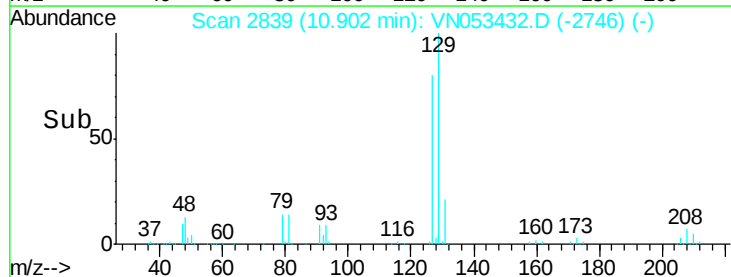
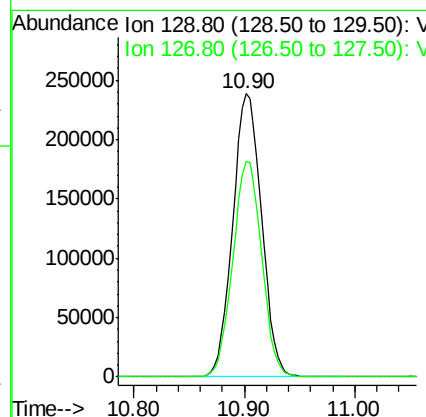
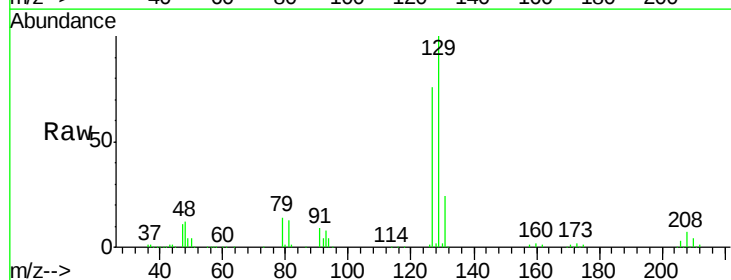
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

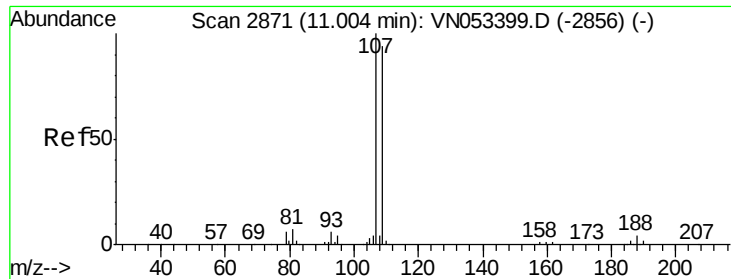
Tot Ion: 43 Resp: 1302168
Ion Ratio Lower Upper
43 100
58 57.1 28.6 85.8



#60
Dibromochloromethane
Concen: 53.713 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion: 129 Resp: 433539
Ion Ratio Lower Upper
129 100
127 76.1 38.6 115.8

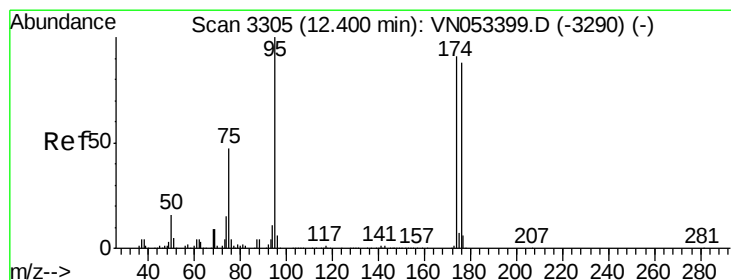
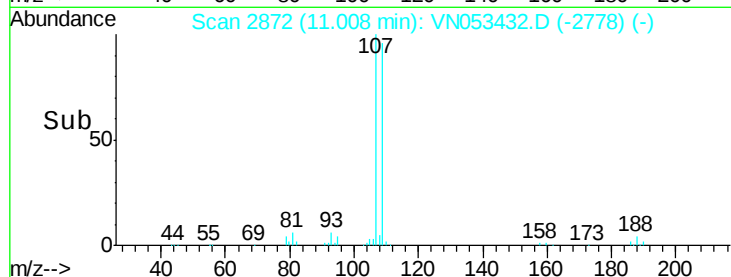
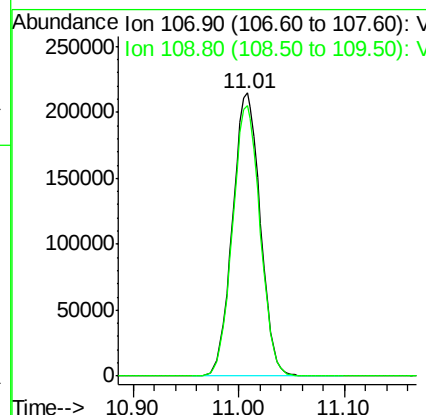
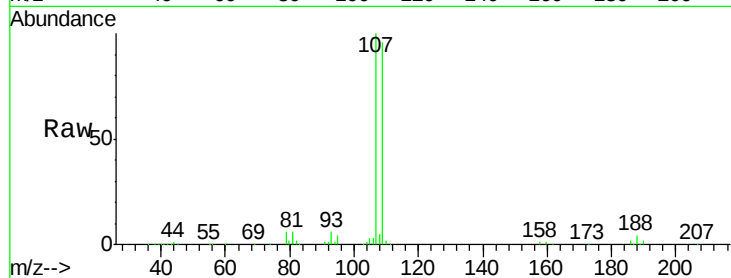




#61
 1,2-Dibromoethane
 Concen: 54.092 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

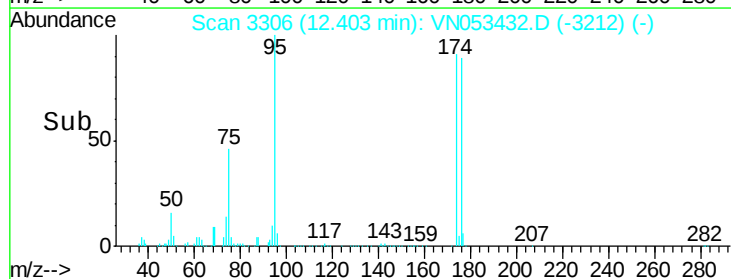
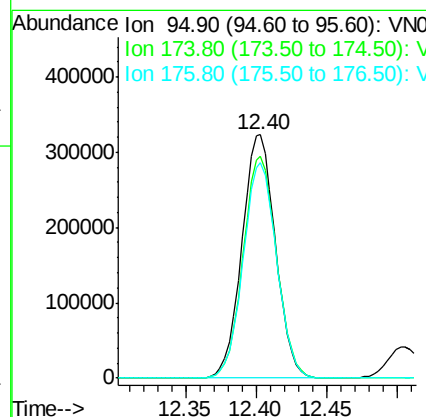
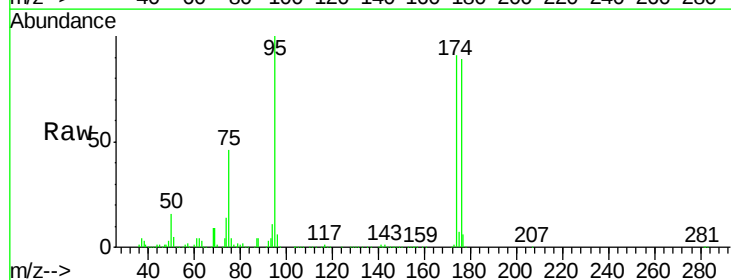
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

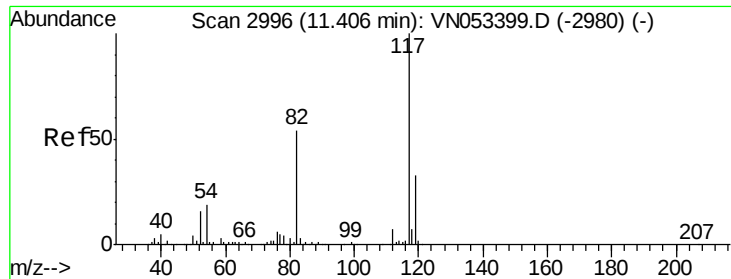
Tot Ion: 107 Resp: 389309
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 54.092 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Tgt Ion: 95 Resp: 537581
 Ion Ratio Lower Upper
 95 100
 174 90.9 0.0 183.2
 176 88.4 0.0 177.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

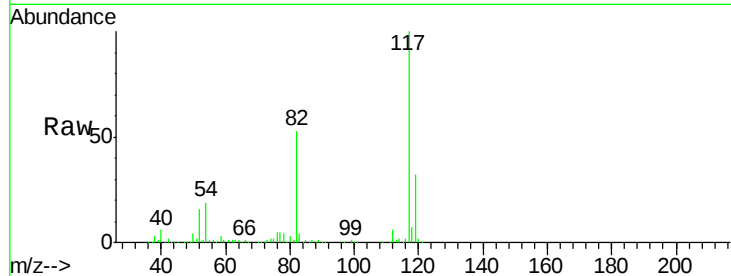
Tot Ion:117 Resp: 1109530

Ion Ratio Lower Upper

117 100

82 52.8 42.9 64.3

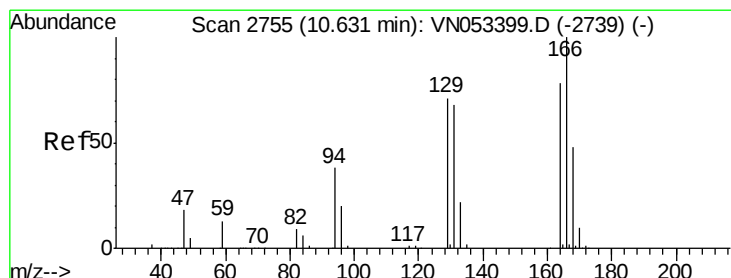
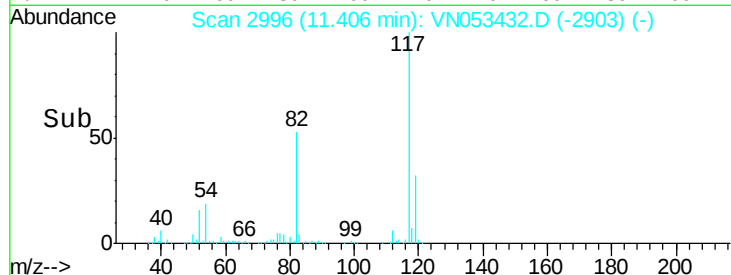
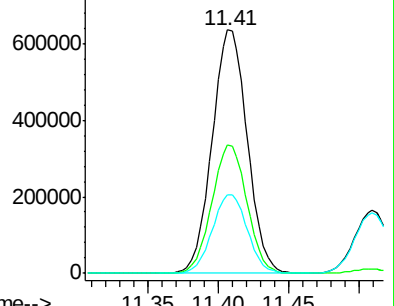
119 32.3 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 49.405 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Tgt Ion:164 Resp: 516579

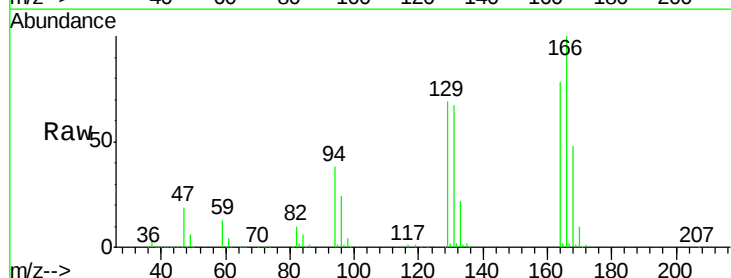
Ion Ratio Lower Upper

164 100

166 127.8 102.2 153.4

129 88.8 72.6 109.0

131 85.2 69.5 104.3

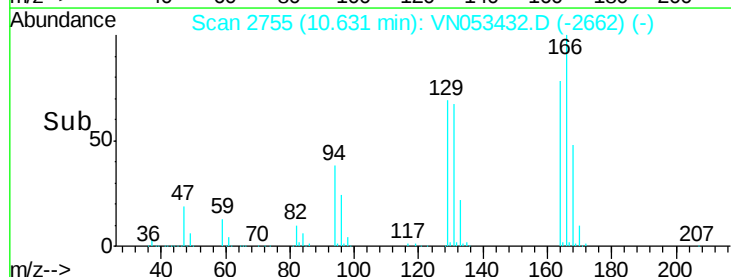
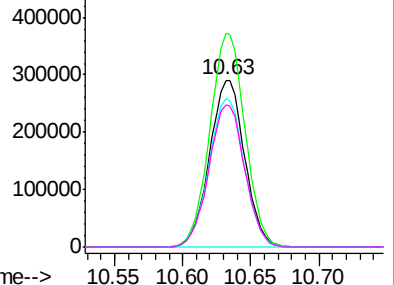


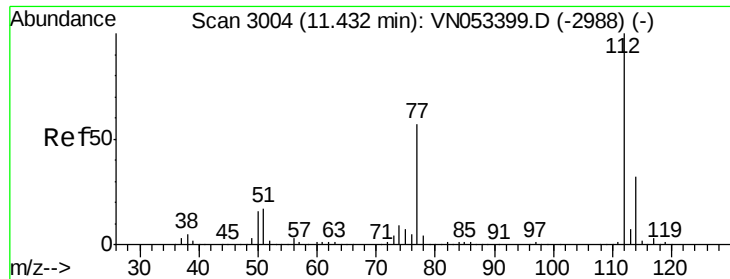
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

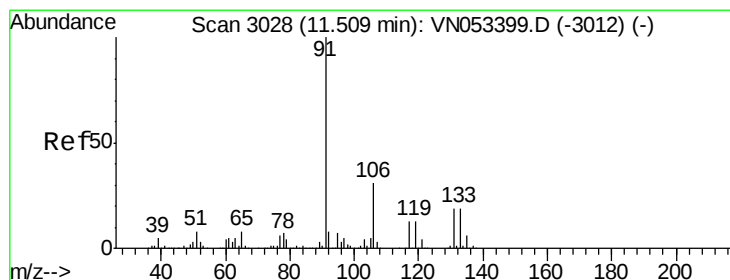
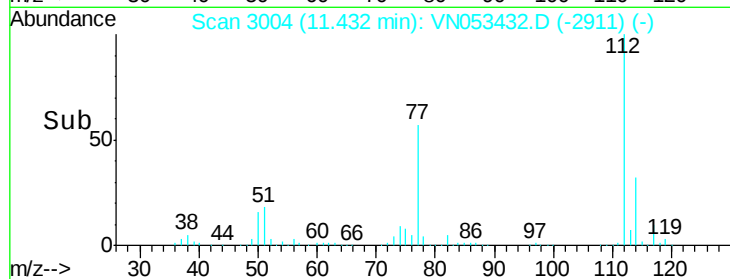
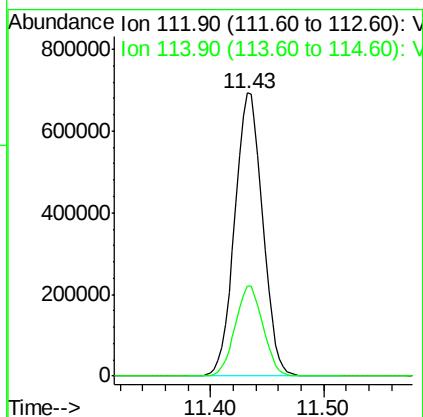
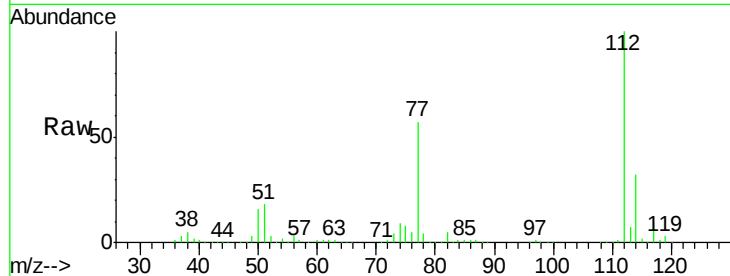




#65
Chlorobenzene
Concen: 50.726 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

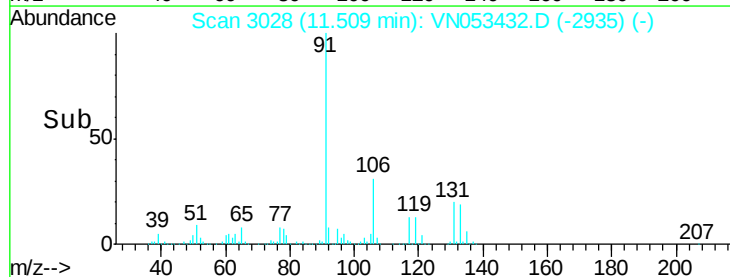
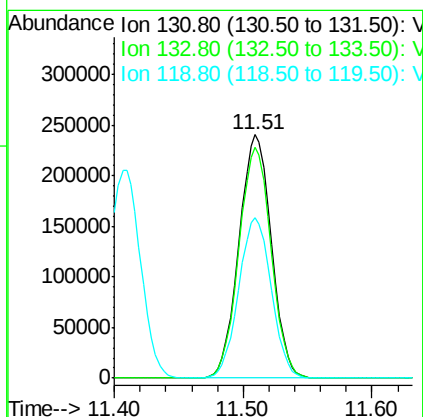
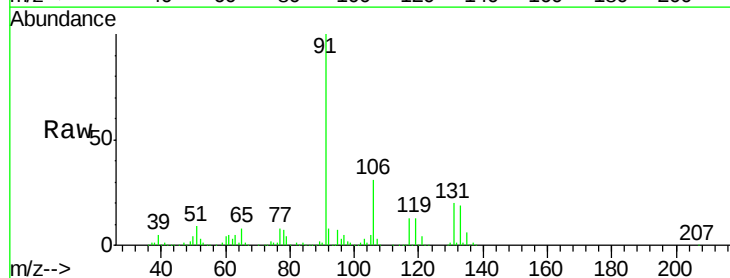
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

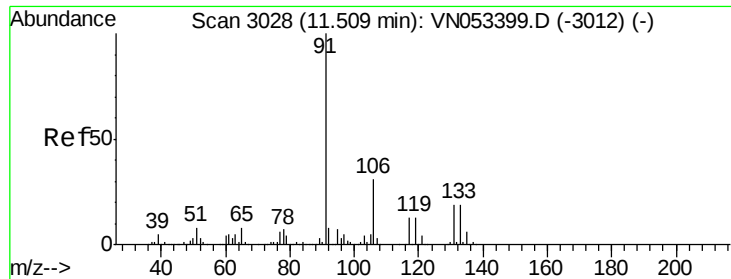
Tot Ion:112 Resp: 1191296
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.302 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion:131 Resp: 419141
Ion Ratio Lower Upper
131 100
133 94.8 48.0 144.0
119 66.3 33.5 100.5

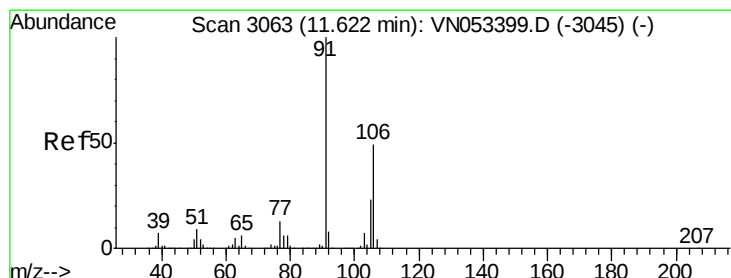
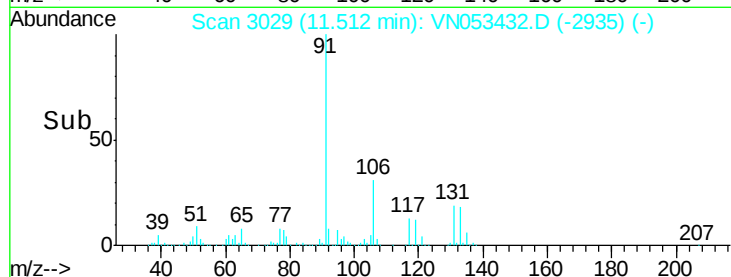
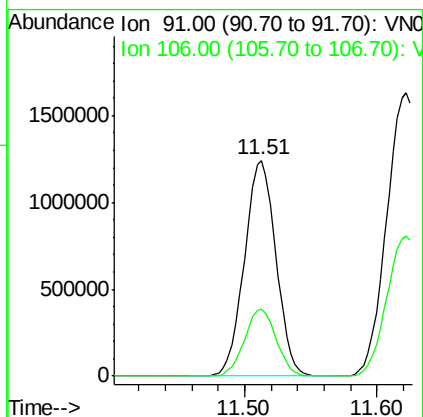
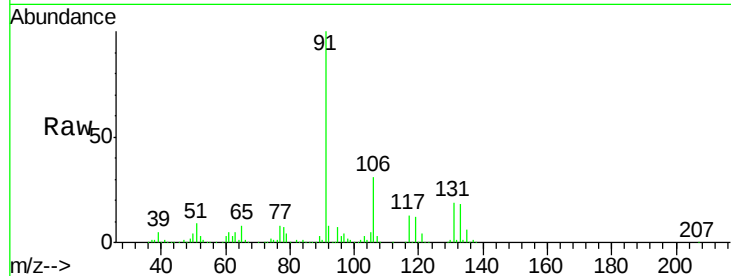




#67
Ethyl Benzene
Concen: 51.176 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

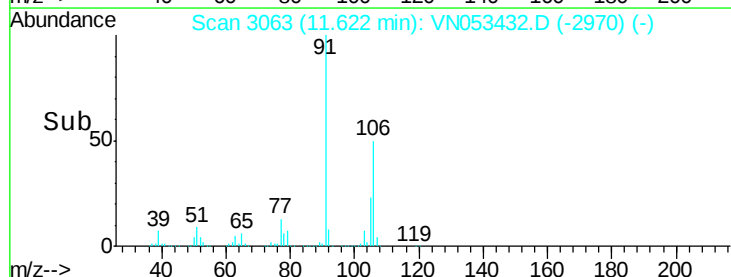
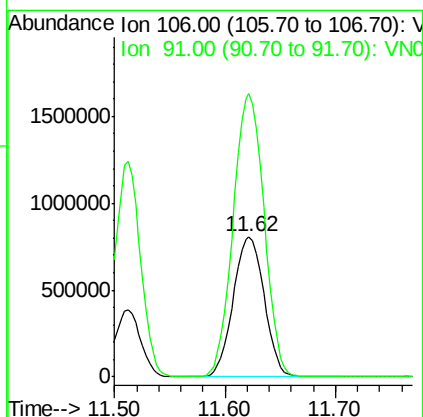
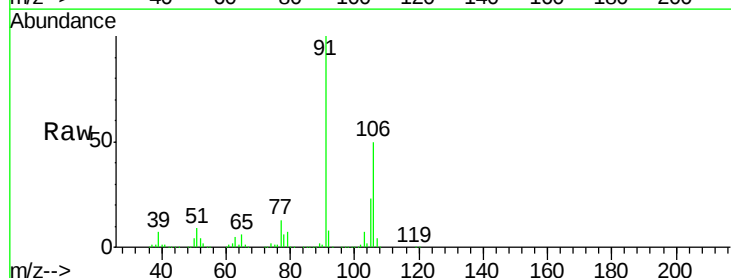
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

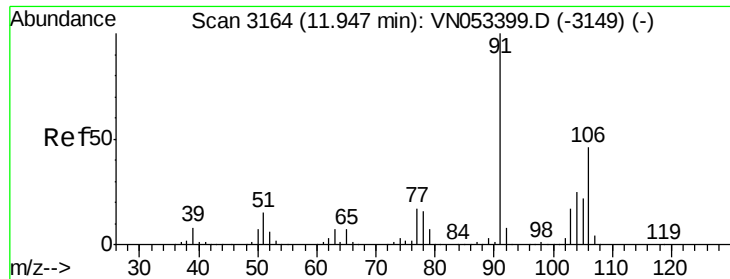
Tot Ion: 91 Resp: 2048292
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.6



#68
m/p-Xylenes
Concen: 103.765 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion: 106 Resp: 1568031
Ion Ratio Lower Upper
106 100
91 202.1 161.4 242.2

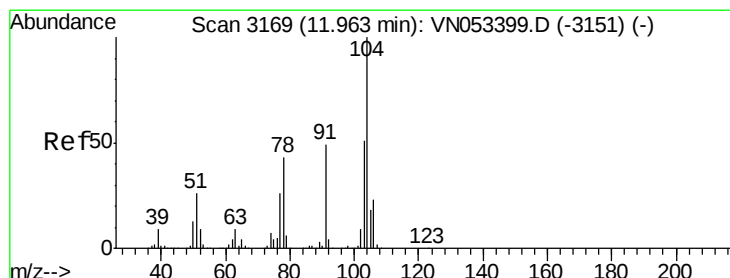
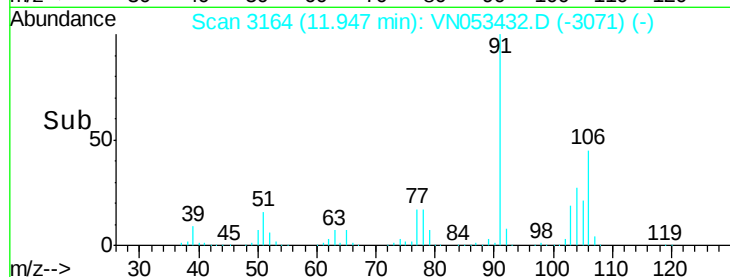
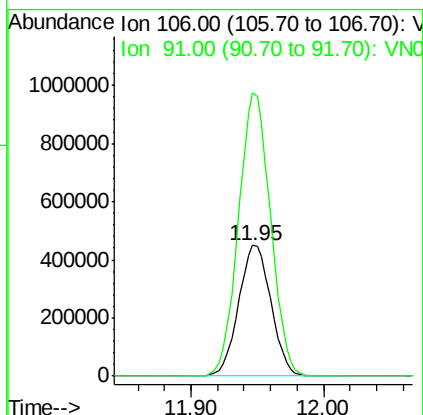
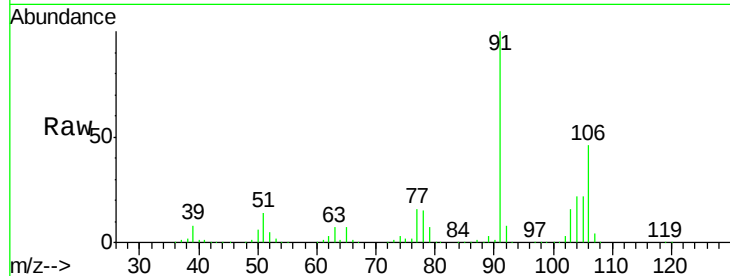




#69
o-Xylene
Concen: 51.907 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

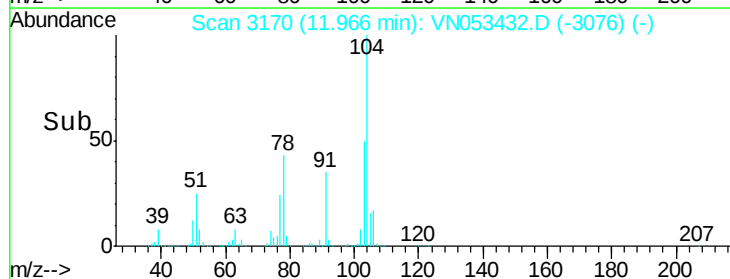
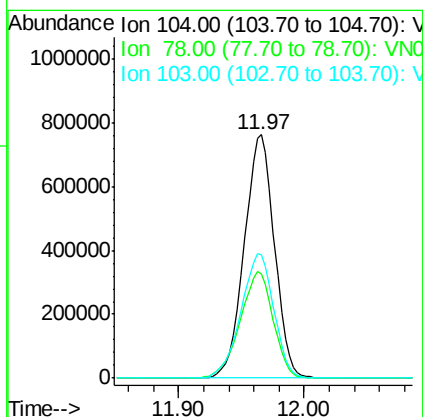
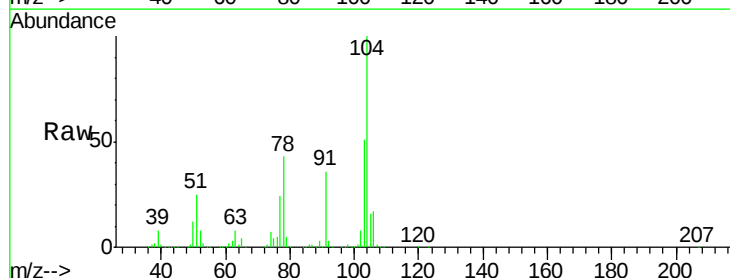
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

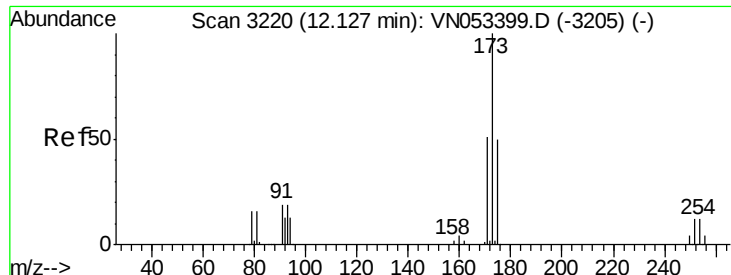
Tot Ion:106 Resp: 762187
Ion Ratio Lower Upper
106 100
91 214.7 106.9 320.8



#70
Styrene
Concen: 53.479 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion:104 Resp: 1274467
Ion Ratio Lower Upper
104 100
78 47.9 38.2 57.2
103 55.7 44.4 66.6

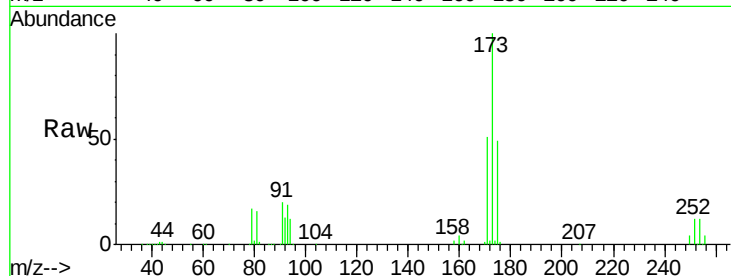




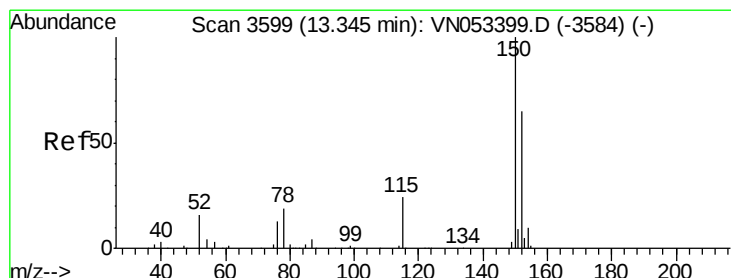
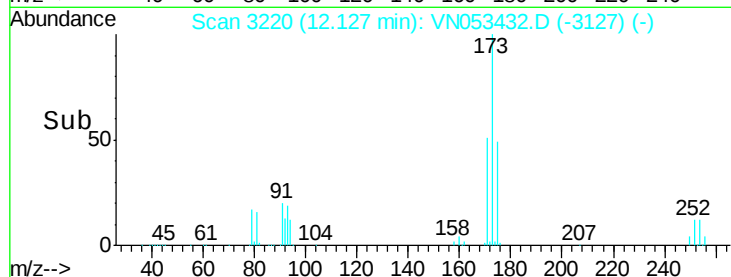
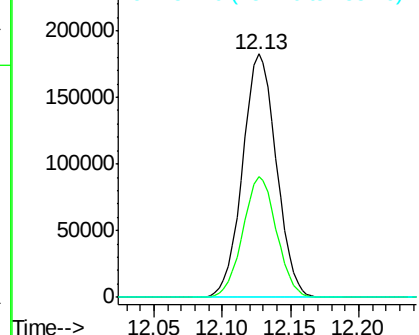
#71
Bromoform
Concen: 55.840 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 314078
Ion Ratio Lower Upper
173 100
175 49.3 24.6 74.0
254 0.1 0.2 0.2#

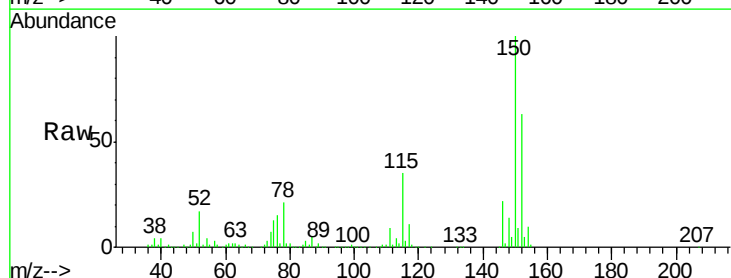


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

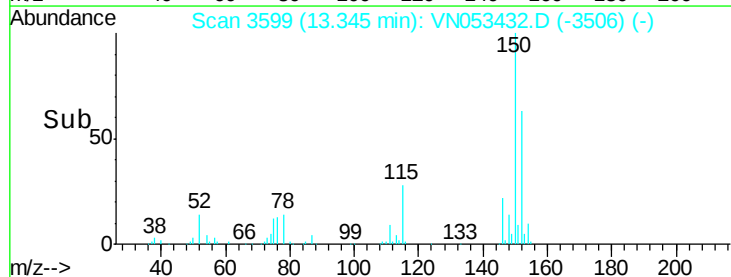
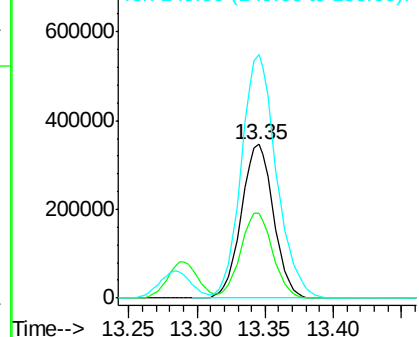


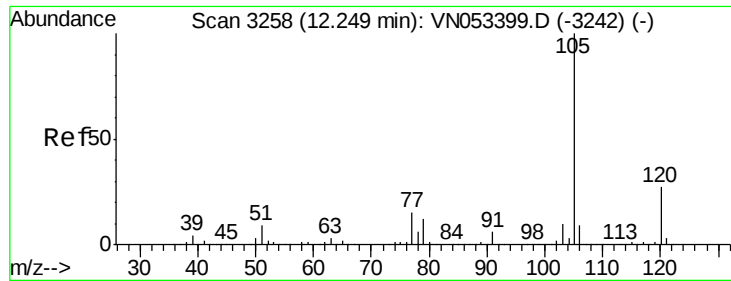
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion:152 Resp: 564623
Ion Ratio Lower Upper
152 100
115 55.5 27.8 83.4
150 173.3 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.448 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

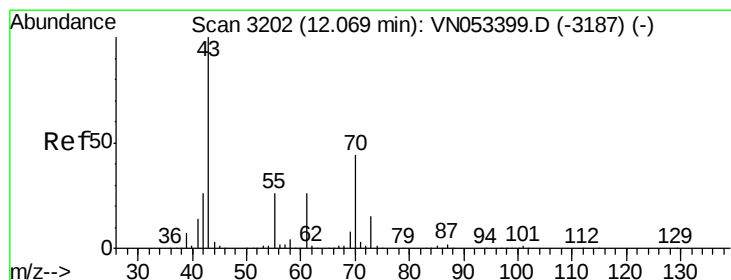
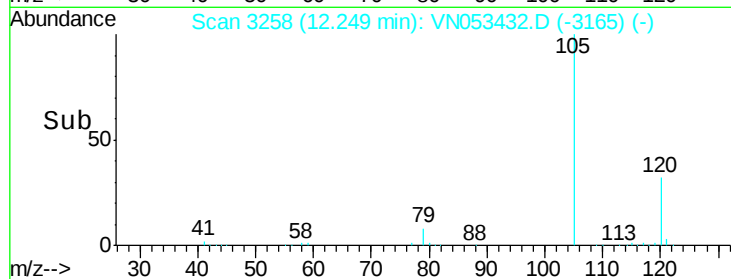
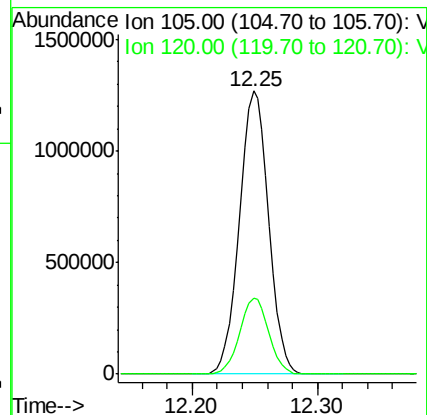
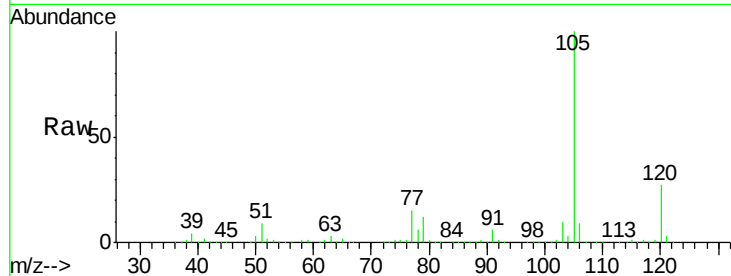
VSTDCCC050EC

Tot Ion:105 Resp: 2044567

Ion Ratio Lower Upper

105 100

120 26.7 13.6 40.7



#74

N-ethyl acetate

Concen: 56.054 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Tgt Ion: 43 Resp: 617852

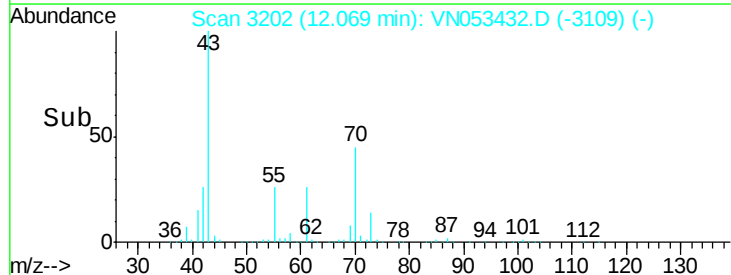
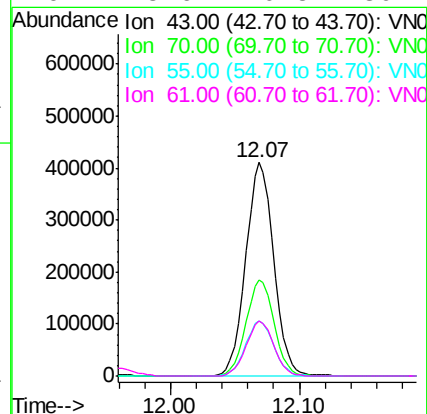
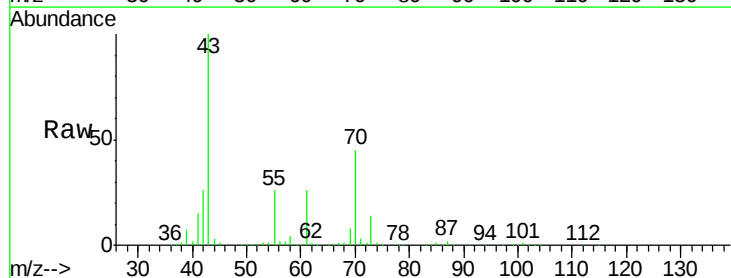
Ion Ratio Lower Upper

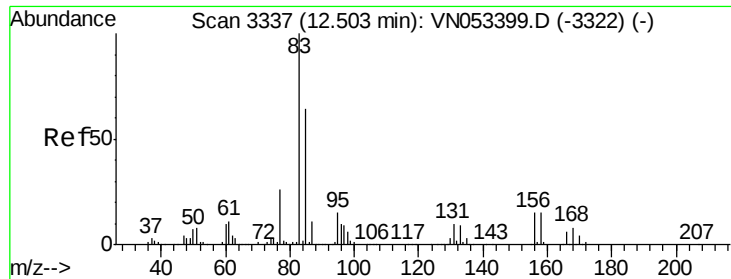
43 100

70 45.3 35.4 53.2

55 26.2 20.9 31.3

61 25.6 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 52.715 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

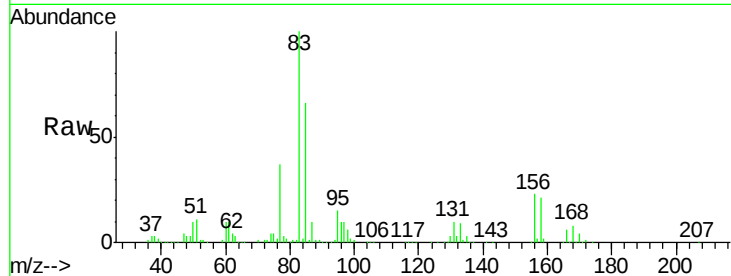
Tot Ion: 83 Resp: 457134

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.8

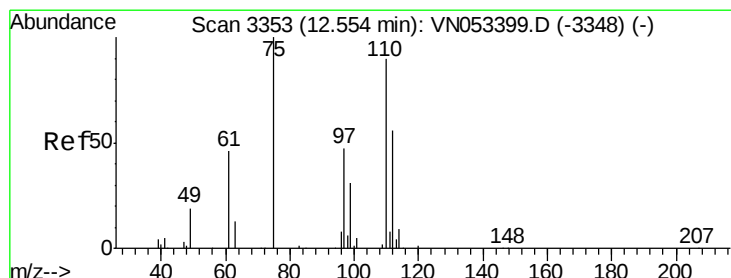
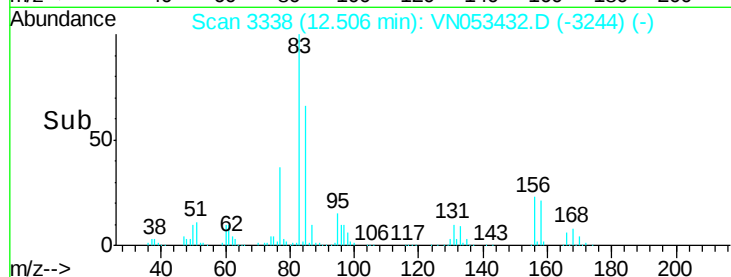
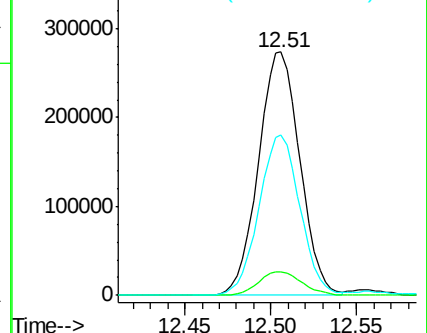
85 65.1 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 83.608 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053432.D

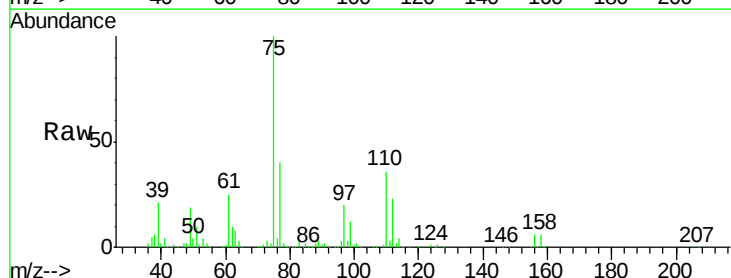
Acq: 16 Jan 2019 18:22

Tgt Ion: 75 Resp: 622098

Ion Ratio Lower Upper

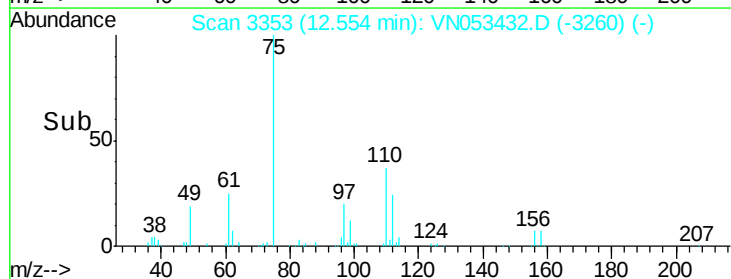
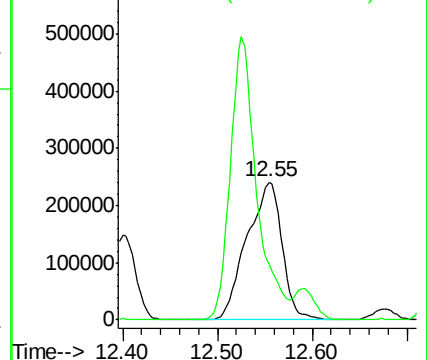
75 100

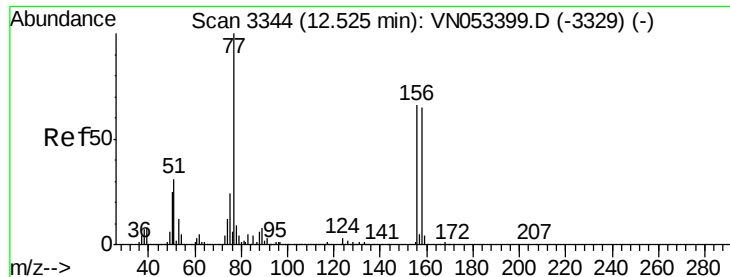
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 49.619 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

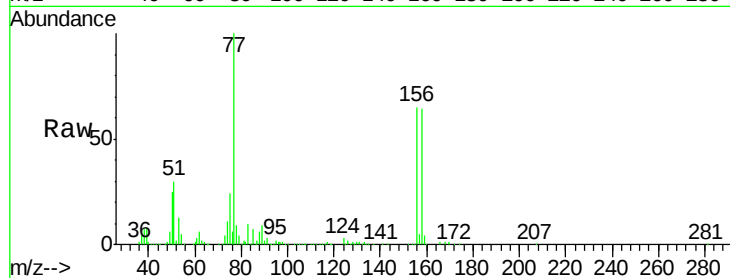
Tot Ion:156 Resp: 540611

Ion Ratio Lower Upper

156 100

77 177.7 87.9 263.8

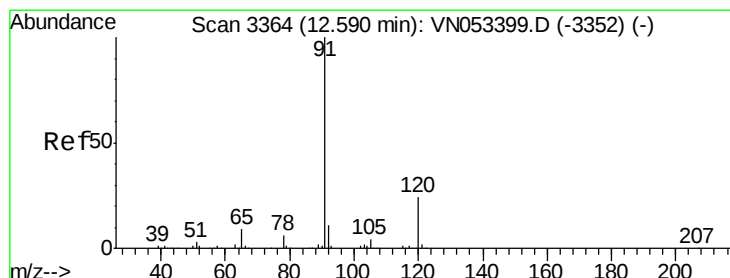
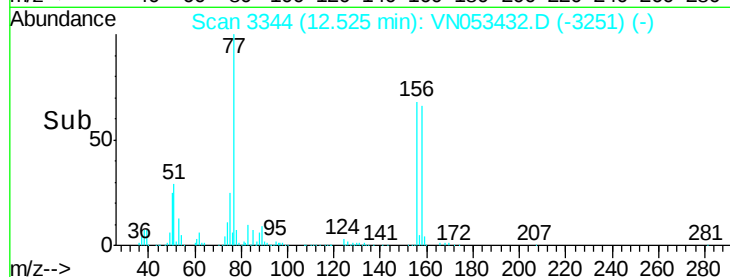
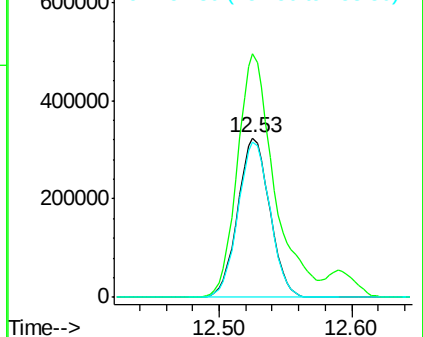
158 97.6 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.655 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053432.D

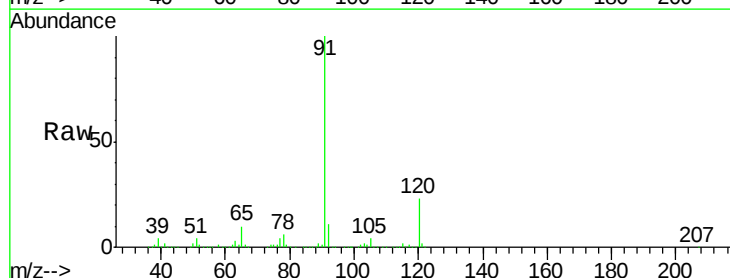
Acq: 16 Jan 2019 18:22

Tgt Ion: 91 Resp: 2356732

Ion Ratio Lower Upper

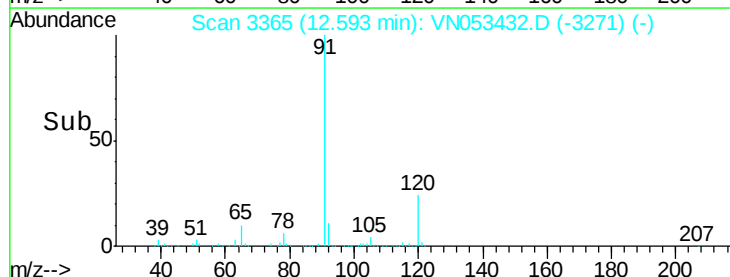
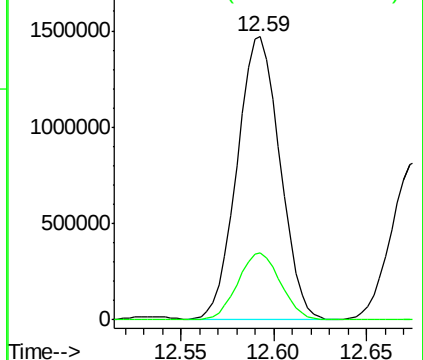
91 100

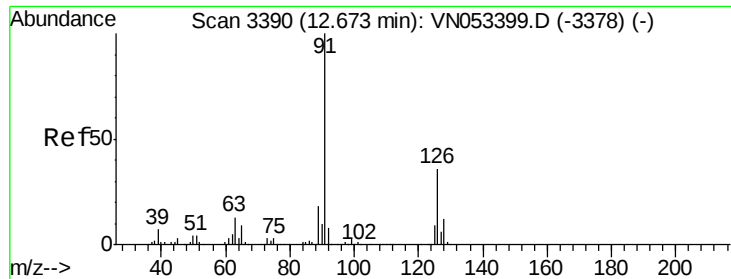
120 23.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.869 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

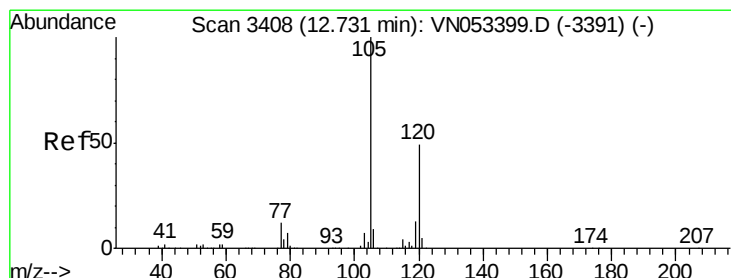
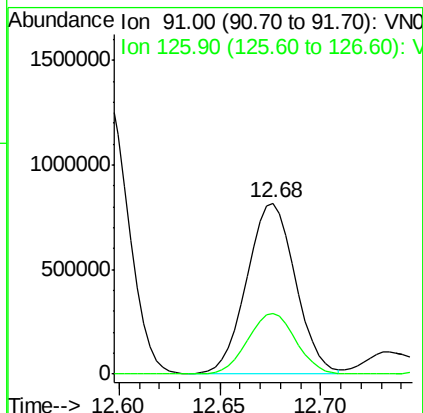
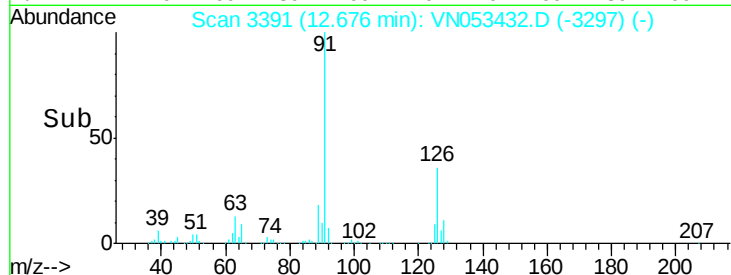
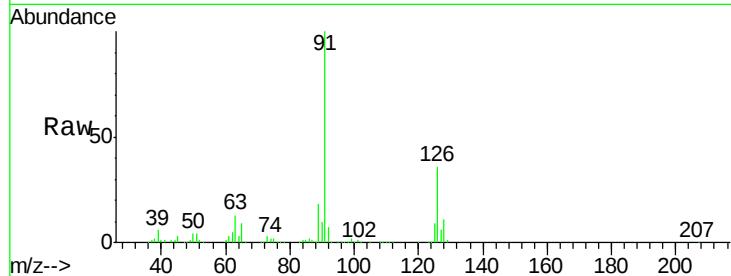
VSTDCCC050EC

Tot Ion: 91 Resp: 1374822

Ion Ratio Lower Upper

91 100

126 35.4 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 50.288 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053432.D

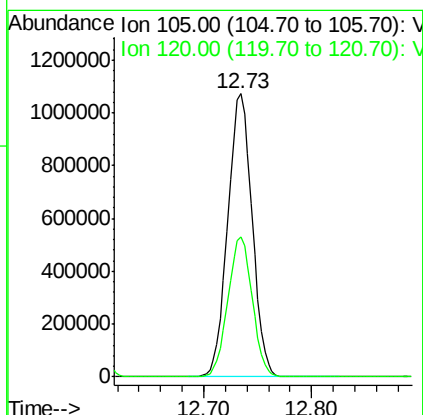
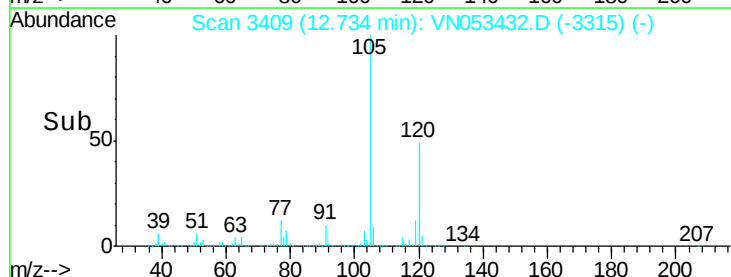
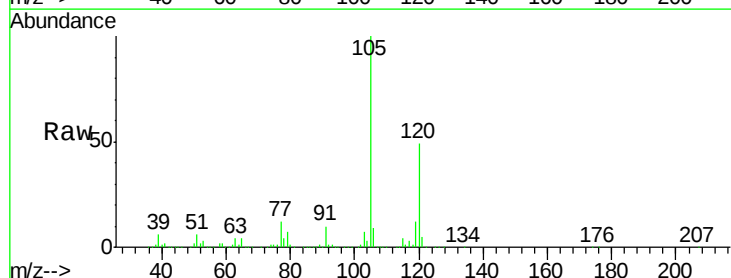
Acq: 16 Jan 2019 18:22

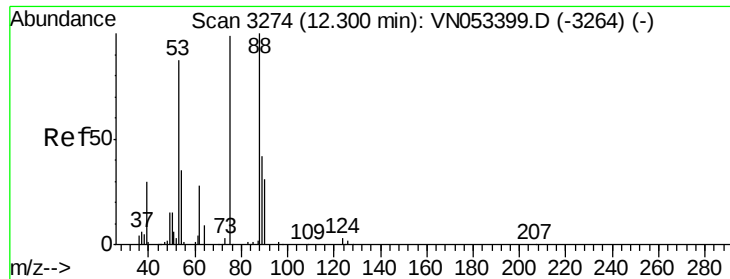
Tgt Ion: 105 Resp: 1691758

Ion Ratio Lower Upper

105 100

120 49.4 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 49.665 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

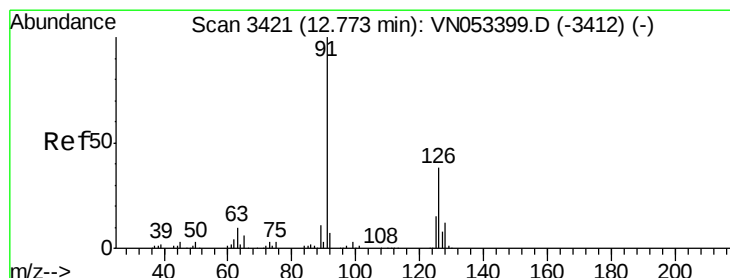
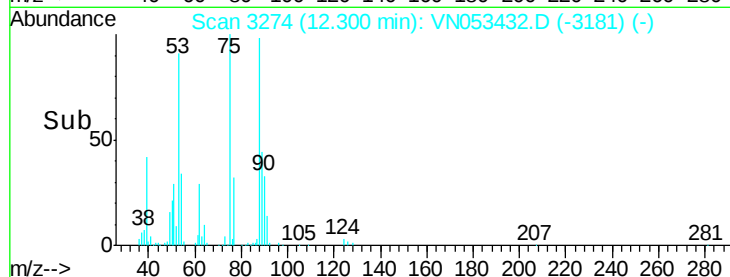
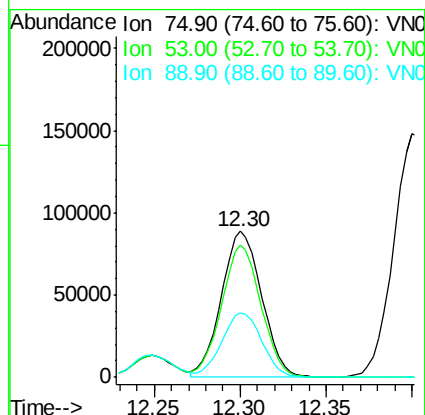
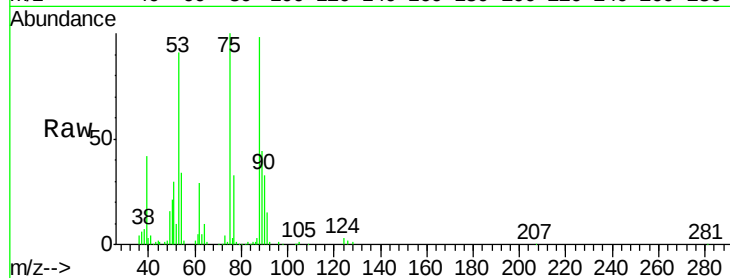
Tot Ion: 75 Resp: 145968

Ion Ratio Lower Upper

75 100

53 88.6 69.8 104.6

89 44.1 35.6 53.4



#82

4-Chlorotoluene

Concen: 49.646 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053432.D

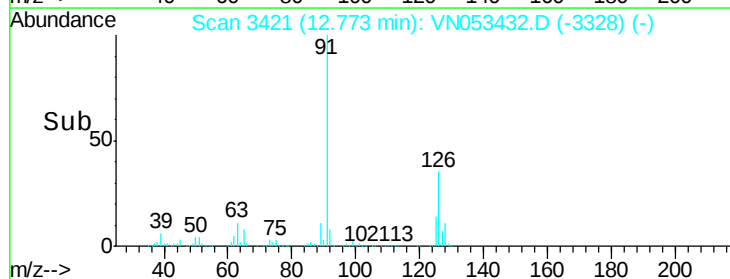
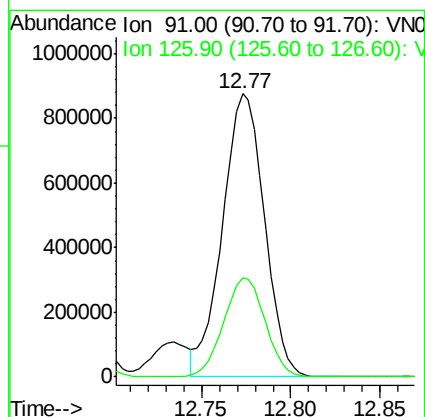
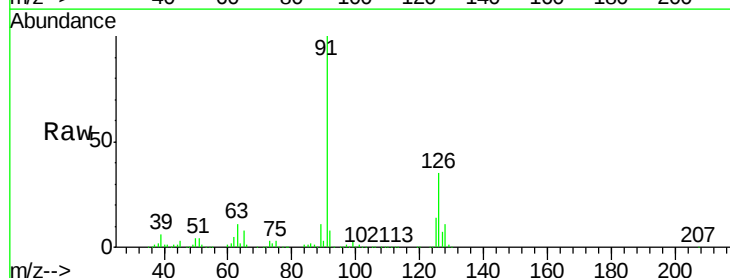
Acq: 16 Jan 2019 18:22

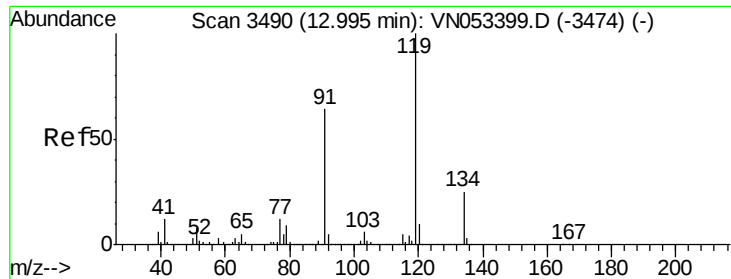
Tgt Ion: 91 Resp: 1424327

Ion Ratio Lower Upper

91 100

126 34.8 17.6 52.9





#83

tert-Butylbenzene

Concen: 49.715 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

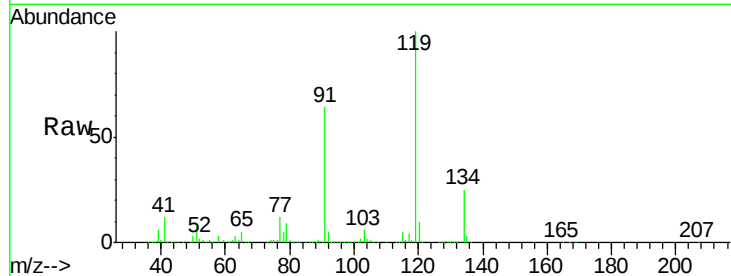
Tot Ion:119 Resp: 1477193

Ion Ratio Lower Upper

119 100

91 63.4 31.3 93.8

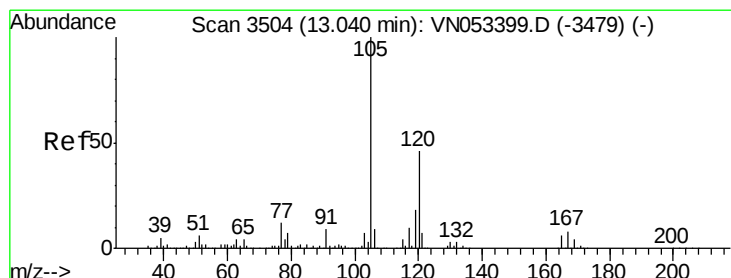
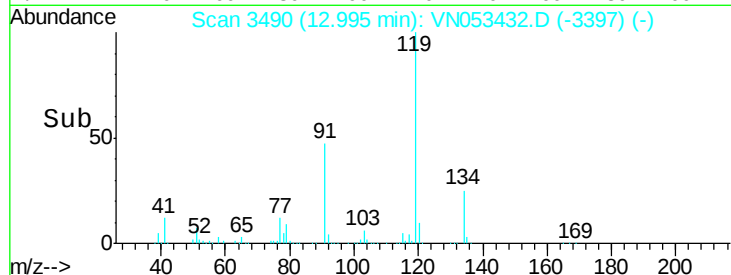
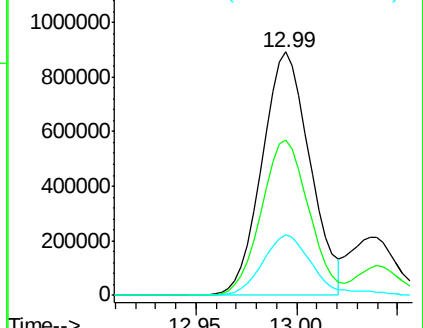
134 26.0 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.957 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053432.D

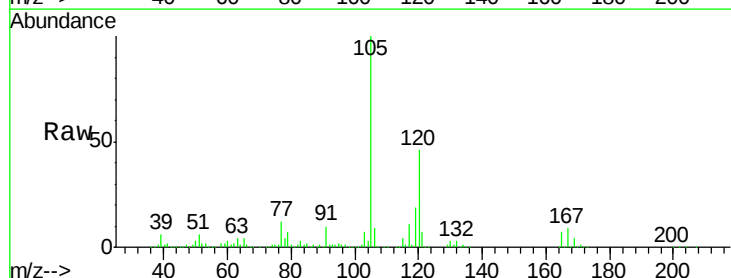
Acq: 16 Jan 2019 18:22

Tgt Ion:105 Resp: 1728518

Ion Ratio Lower Upper

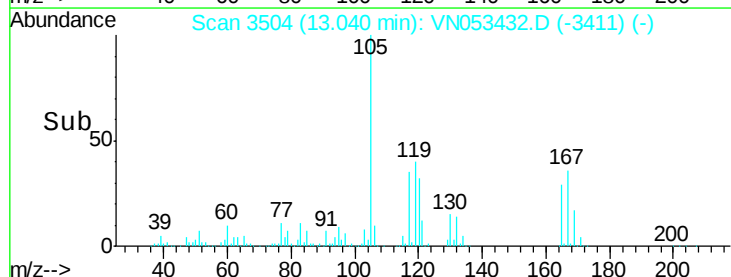
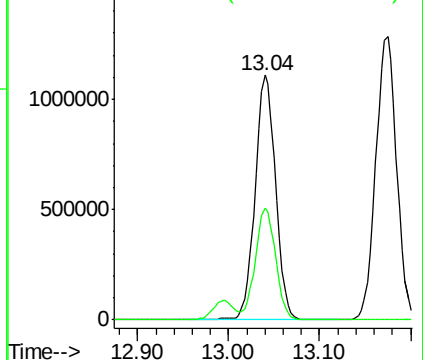
105 100

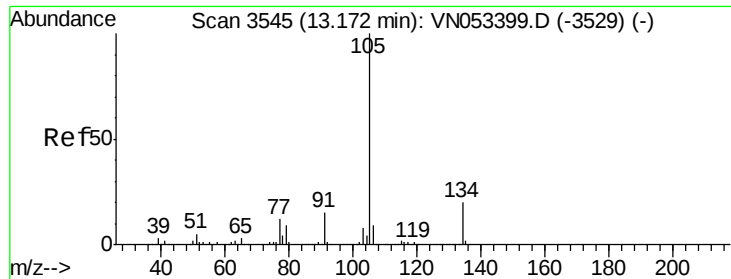
120 45.6 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.910 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

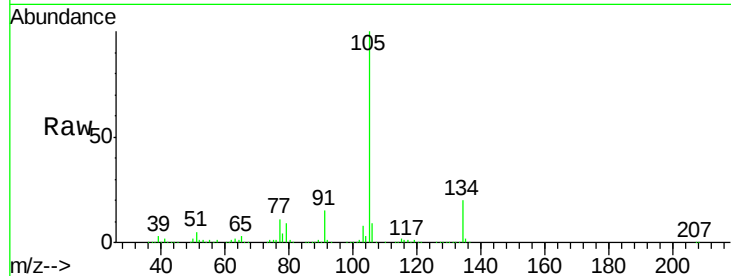
VSTDCCC050EC

Tot Ion:105 Resp: 2033832

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1500000

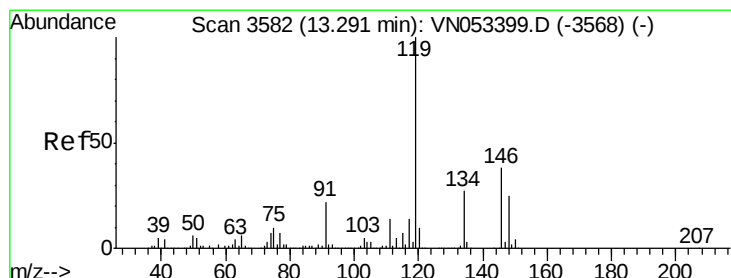
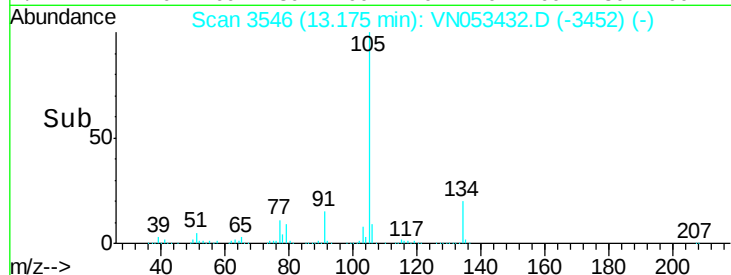
1000000

500000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 50.504 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

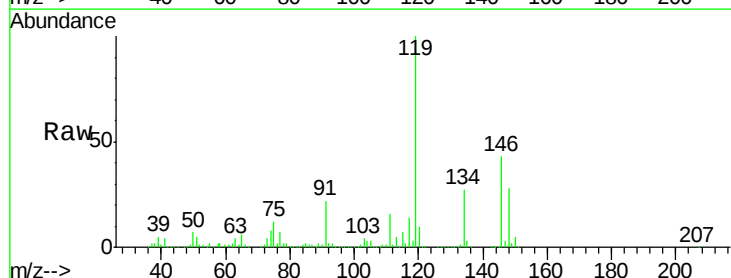
Tgt Ion:119 Resp: 1786961

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 22.0 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1500000

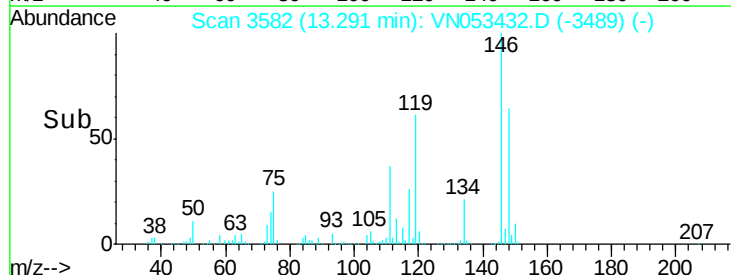
1000000

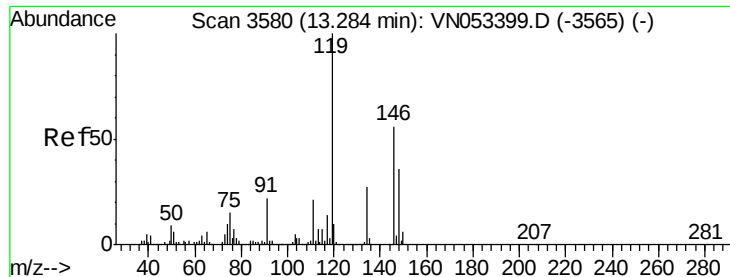
500000

0

13.20 13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 49.640 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

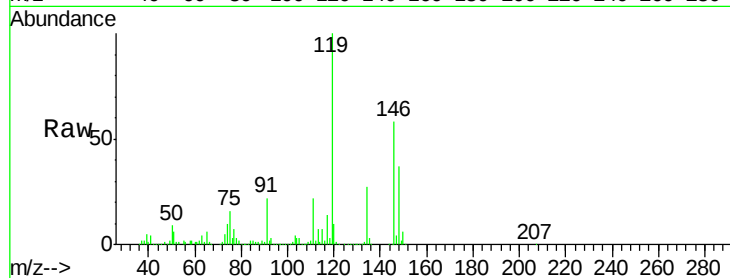
Tot Ion:146 Resp: 951350

Ion Ratio Lower Upper

146 100

111 37.7 18.8 56.3

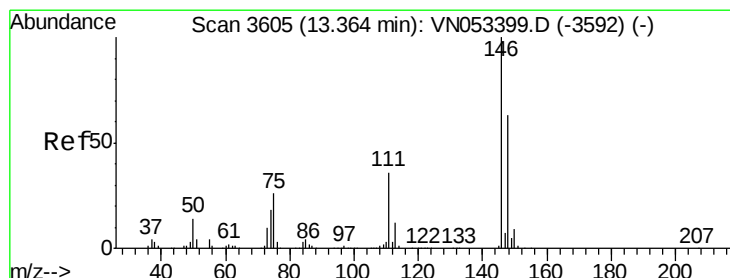
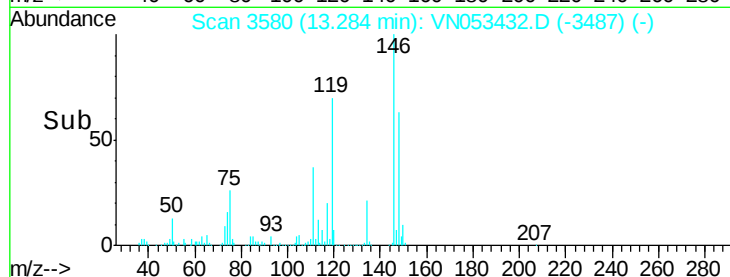
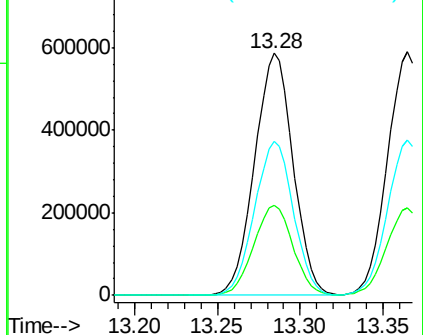
148 64.1 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.546 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

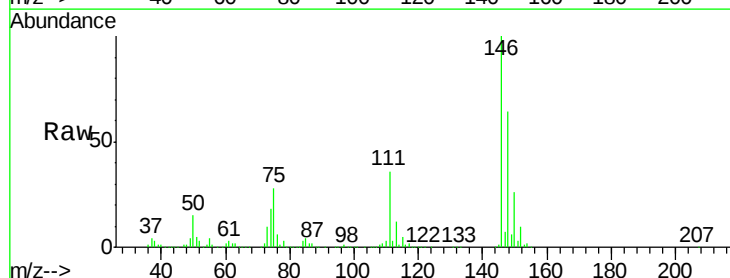
Tgt Ion:146 Resp: 952494

Ion Ratio Lower Upper

146 100

111 36.4 18.6 55.8

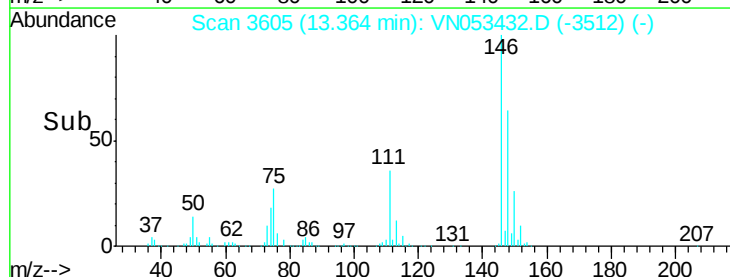
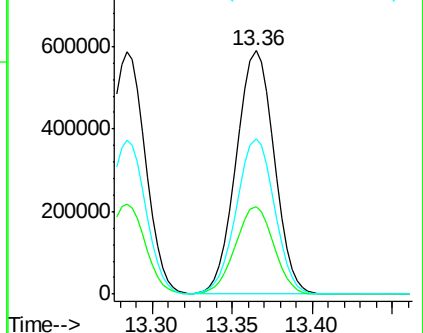
148 64.2 32.4 97.0

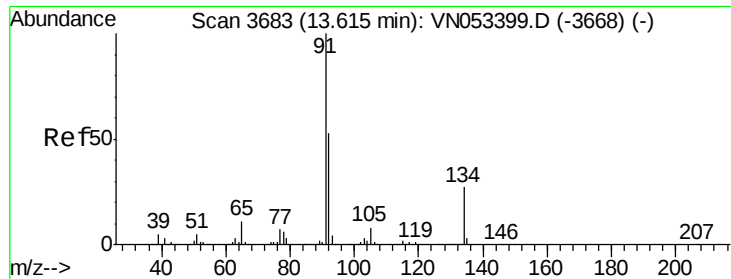


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

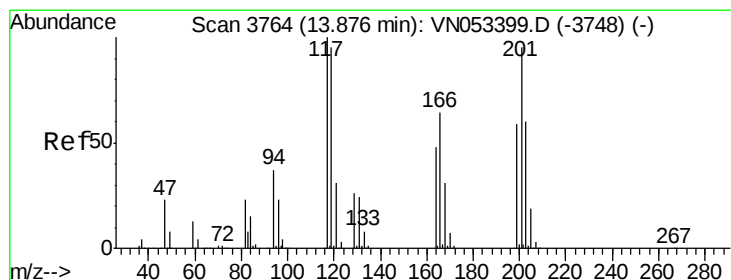
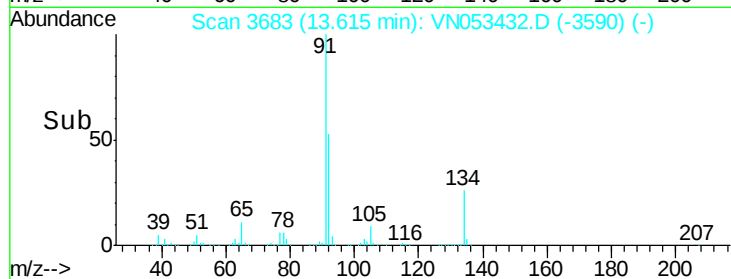
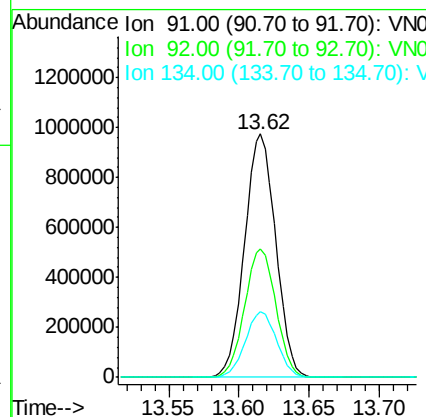
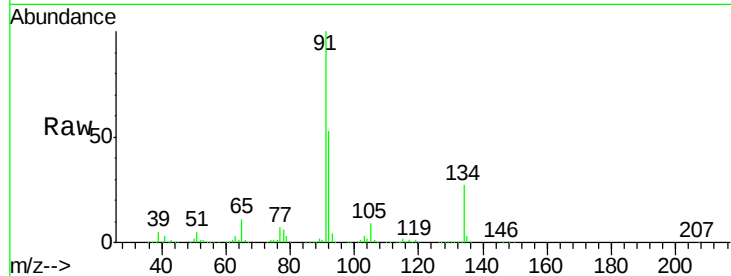




#89
n-Butylbenzene
Concen: 50.007 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

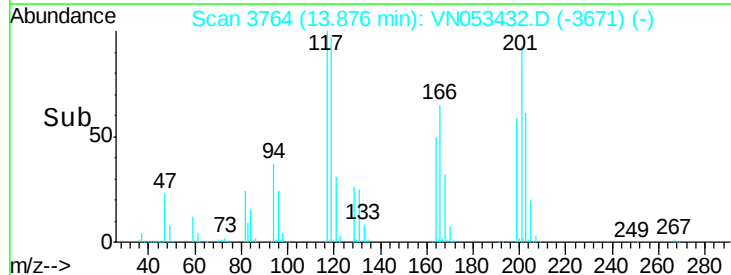
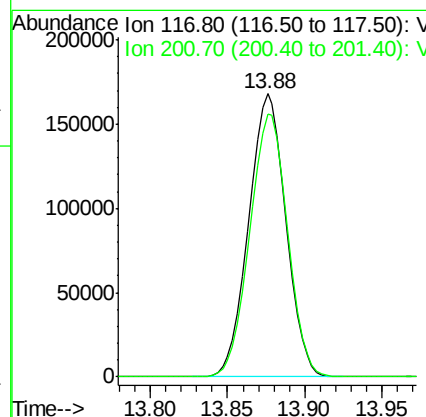
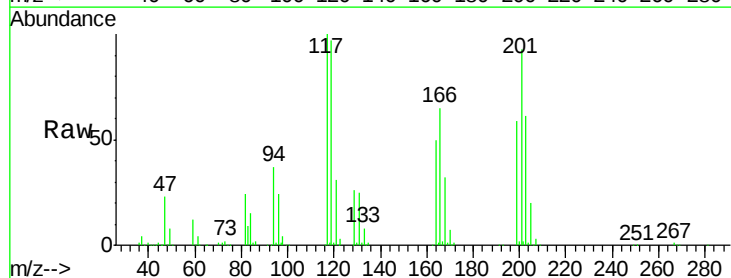
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

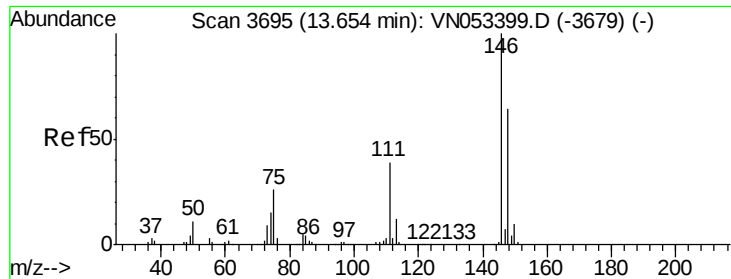
Tot Ion: 91 Resp: 1508230
Ion Ratio Lower Upper
91 100
92 53.0 26.3 78.8
134 27.1 13.5 40.5



#90
Hexachloroethane
Concen: 50.710 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053432.D
Acq: 16 Jan 2019 18:22

Tgt Ion: 117 Resp: 281397
Ion Ratio Lower Upper
117 100
201 94.1 46.8 140.4

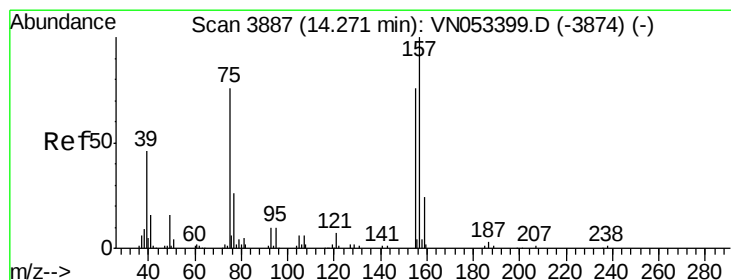
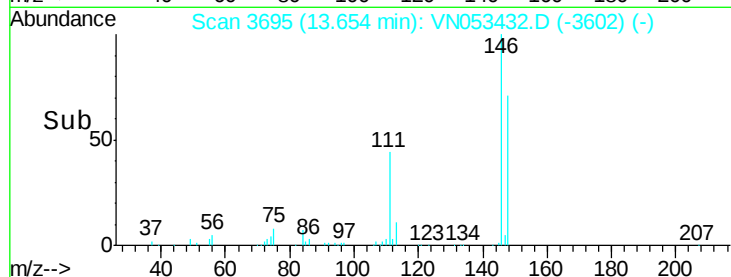
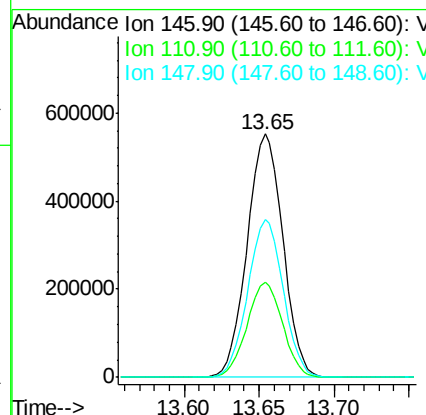
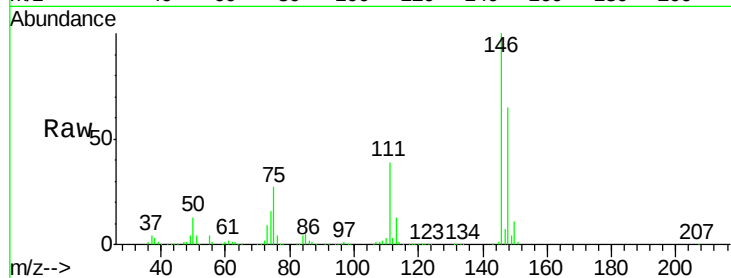




#91
 1,2-Dichlorobenzene
 Concen: 52.232 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

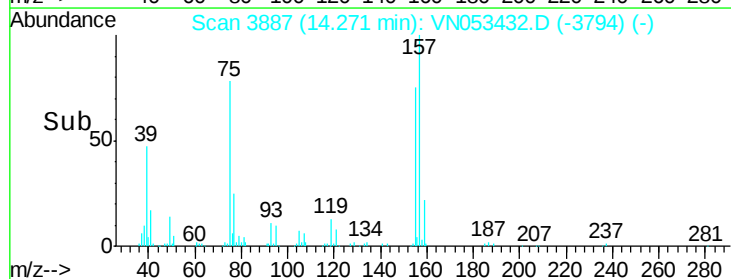
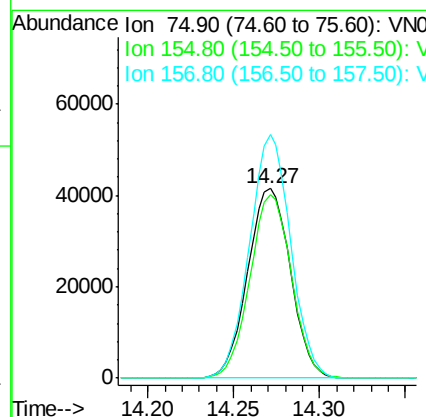
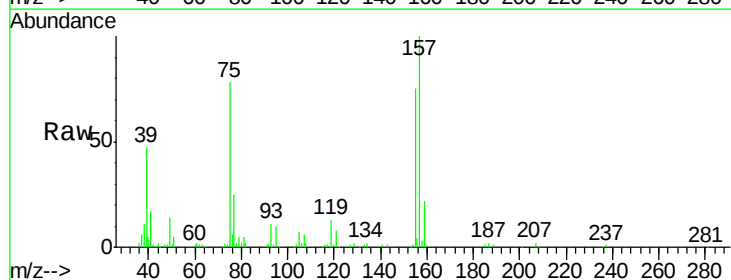
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

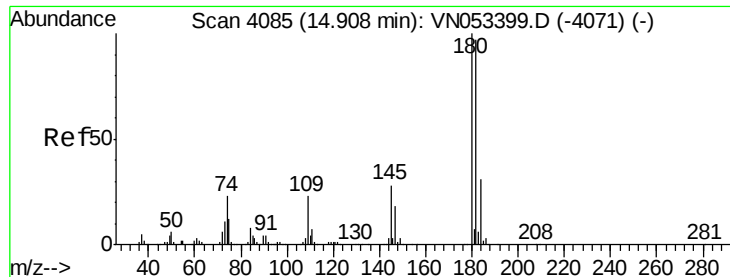
Tot Ion:146 Resp: 920943
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.5 58.5
 148 64.3 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 65.094 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Tgt Ion: 75 Resp: 71574
 Ion Ratio Lower Upper
 75 100
 155 93.8 48.9 146.7
 157 123.5 63.7 191.3

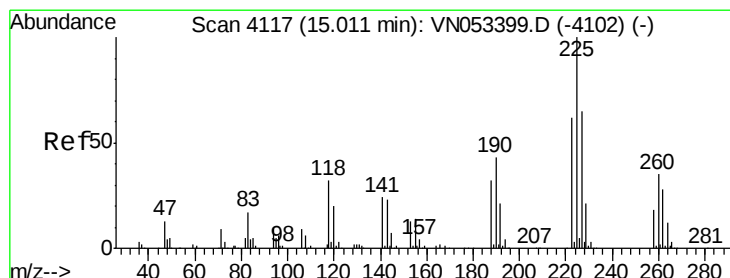
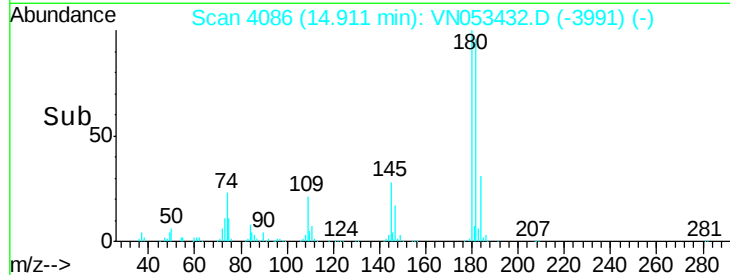
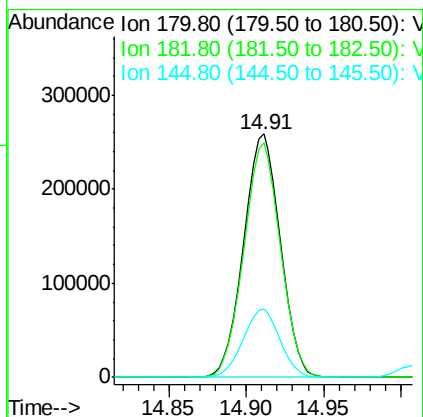
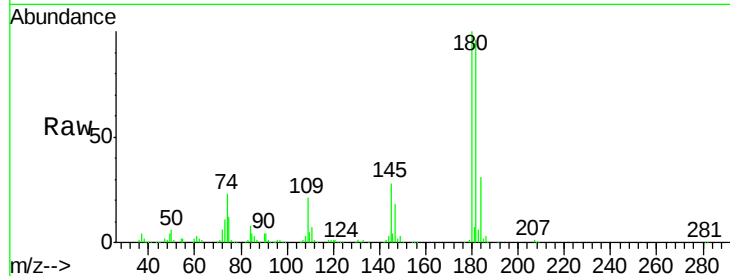




#93
 1,2,4-Trichlorobenzene
 Concen: 54.718 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

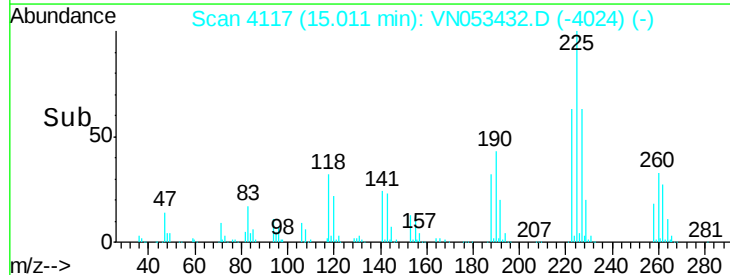
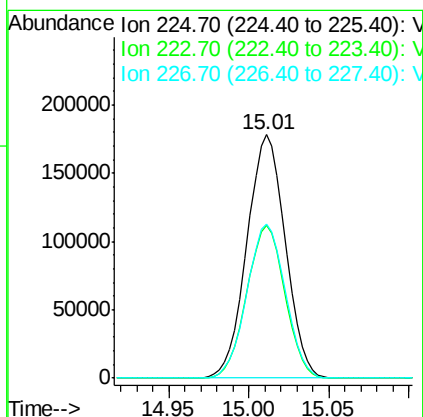
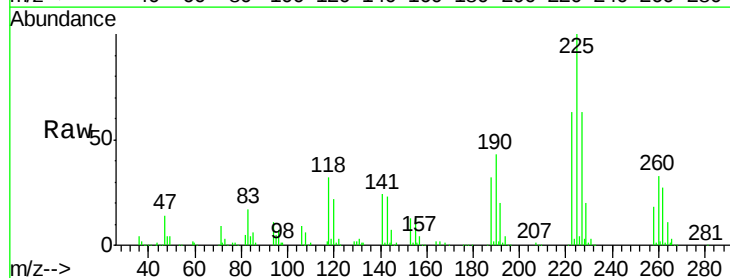
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

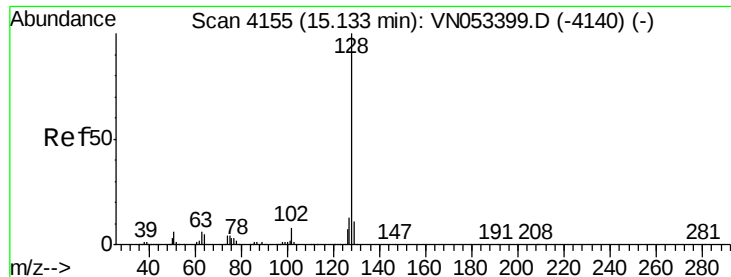
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.1	144.3
145	28.2	13.9	41.6



#94
 Hexachlorobutadiene
 Concen: 53.150 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053432.D
 Acq: 16 Jan 2019 18:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.1	93.2
227	63.5	32.0	96.2





#95

Naphthalene

Concen: 56.860 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

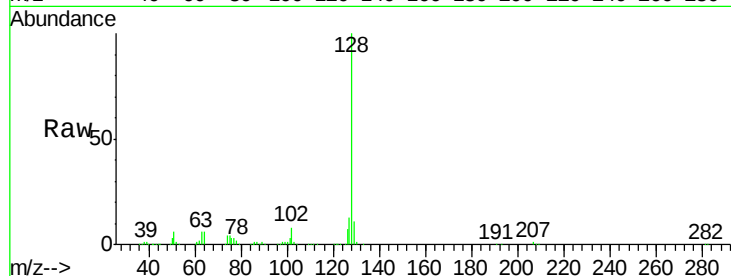
Tot Ion:128 Resp: 784112

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

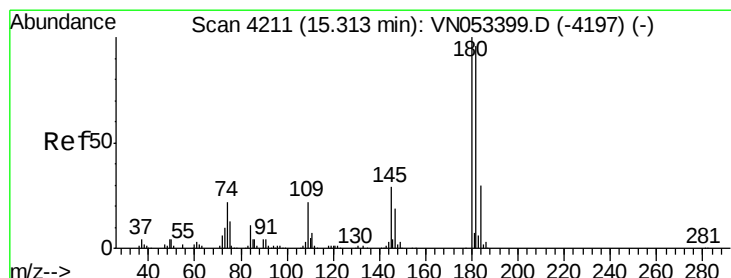
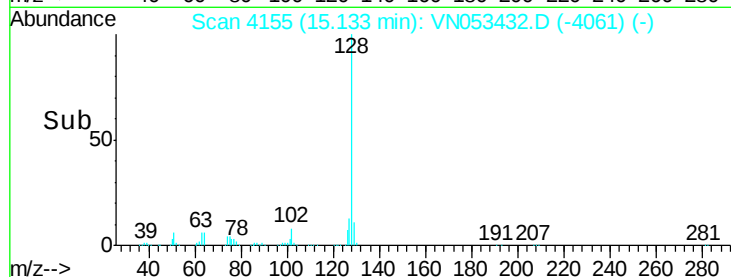
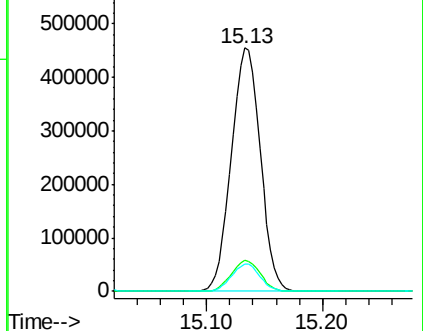
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 55.892 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053432.D

Acq: 16 Jan 2019 18:22

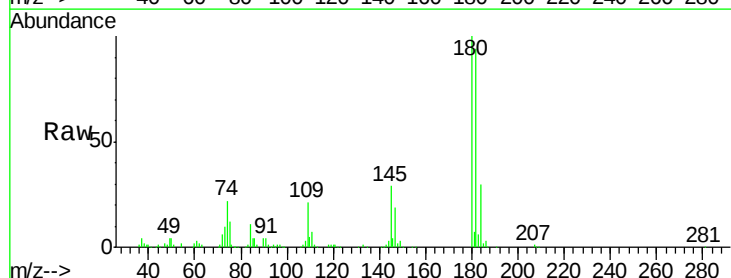
Tgt Ion:180 Resp: 321005

Ion Ratio Lower Upper

180 100

182 96.5 47.9 143.8

145 29.5 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

