

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011019\
 Data File : VN053332.D
 Acq On : 10 Jan 2019 9:30
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 11 05:45:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	904681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1370958	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1227814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	583536	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	446958	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
35) Dibromofluoromethane	7.59	113	393390	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	10.09	98	1617798	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
62) 4-Bromofluorobenzene	12.40	95	570181	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	392602	49.225	ug/l	100
3) Chloromethane	2.06	50	523703	47.020	ug/l	99
4) Vinyl Chloride	2.19	62	513396	48.294	ug/l	100
5) Bromomethane	2.56	94	335978	48.366	ug/l	98
6) Chloroethane	2.71	64	308801	48.126	ug/l	99
7) Trichlorofluoromethane	3.02	101	675824	49.081	ug/l	99
8) Diethyl Ether	3.41	74	267010	49.473	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	426045	48.820	ug/l	99
10) Methyl Iodide	3.96	142	654149	53.475	ug/l	99
11) Tert butyl alcohol	4.78	59	128086	226.255	ug/l	100
12) 1,1-Dichloroethene	3.74	96	414550	49.110	ug/l	98
13) Acrolein	3.61	56	165108	231.961	ug/l	99
14) Allyl chloride	4.33	41	693307	50.959	ug/l	96
15) Acrylonitrile	4.99	53	816051	241.473	ug/l	99
16) Acetone	3.82	43	598587	264.381	ug/l	97
17) Carbon Disulfide	4.06	76	1199612	46.095	ug/l	99
18) Methyl Acetate	4.32	43	385664	45.275	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1175851	49.633	ug/l	99
20) Methylene Chloride	4.55	84	479476	47.431	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	444415	49.033	ug/l	99
22) Diisopropyl ether	5.95	45	1466141	50.023	ug/l	96
23) Vinyl Acetate	5.90	43	4650675	252.180	ug/l	100
24) 1,1-Dichloroethane	5.85	63	838909	49.627	ug/l	100
25) 2-Butanone	6.83	43	938452	243.034	ug/l	99
26) 2,2-Dichloropropane	6.83	77	637296	51.574	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	513973	49.658	ug/l	99
28) Bromochloromethane	7.20	49	351769	48.832	ug/l	98
29) Tetrahydrofuran	7.21	42	596109	233.936	ug/l	99
30) Chloroform	7.37	83	820682	49.325	ug/l	99
31) Cyclohexane	7.66	56	774744	48.222	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	688493	49.657	ug/l	100
36) 1,1-Dichloropropene	7.79	75	635720	49.670	ug/l	99
37) Ethyl Acetate	6.93	43	405353	48.623	ug/l	99
38) Carbon Tetrachloride	7.78	117	597322	50.563	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	767342	51.751	ug/l	99
40) Benzene	8.04	78	1947893	49.824	ug/l	100
41) Methacrylonitrile	7.17	41	217345	41.993	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	572645	49.380	ug/l	100
43) Isopropyl Acetate	8.16	43	732099	44.640	ug/l	98
44) Trichloroethene	8.84	130	536183	49.947	ug/l	99
45) 1,2-Dichloropropane	9.12	63	513889	50.117	ug/l	100
46) Dibromomethane	9.21	93	297046	49.684	ug/l	100
47) Bromodichloromethane	9.40	83	633195	50.822	ug/l	99
48) Methyl methacrylate	9.20	41	368196	49.417	ug/l	100
49) 1,4-Dioxane	9.20	88	73922	931.206	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2039399	247.279	ug/l	100
52) Toluene	10.16	92	1205916	50.278	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	657155	51.560	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	762489	51.770	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	435533	49.385	ug/l	99
56) Ethyl methacrylate	10.43	69	587351	51.249	ug/l	100
57) 1,3-Dichloropropane	10.71	76	741455	50.274	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1418659	228.968	ug/l	100
59) 2-Hexanone	10.75	43	1443476	255.448	ug/l	100
60) Dibromochloromethane	10.90	129	485290	51.018	ug/l	99
61) 1,2-Dibromoethane	11.01	107	436757	50.185	ug/l	99
64) Tetrachloroethene	10.63	164	584950	50.618	ug/l	99
65) Chlorobenzene	11.43	112	1330942	49.899	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	472222	50.582	ug/l	99
67) Ethyl Benzene	11.51	91	2301653	50.783	ug/l	100
68) m/p-Xylenes	11.62	106	1750296	102.701	ug/l	99
69) o-Xylene	11.95	106	854052	51.187	ug/l	100
70) Styrene	11.96	104	1418663	52.244	ug/l	100
71) Bromoform	12.13	173	341627	51.807	ug/l #	99
73) Isopropylbenzene	12.25	105	2262805	52.083	ug/l	100
74) N-amyl acetate	12.07	43	668652	51.541	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	492936	49.323	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	679993	79.894	ug/l #	100
77) Bromobenzene	12.53	156	586161	50.551	ug/l	99
78) n-propylbenzene	12.59	91	2598733	52.880	ug/l	99
79) 2-Chlorotoluene	12.67	91	1528200	51.392	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1839798	52.572	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	158481	54.784	ug/l	100
82) 4-Chlorotoluene	12.77	91	1552544	50.917	ug/l	100
83) tert-Butylbenzene	12.99	119	1627017	52.990	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1856561	52.074	ug/l	99
85) sec-Butylbenzene	13.17	105	2211737	54.621	ug/l	100
86) p-Isopropyltoluene	13.29	119	1924498	54.893	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1029785	50.431	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1022962	50.502	ug/l	99
89) n-Butylbenzene	13.62	91	1629308	55.431	ug/l	100
90) Hexachloroethane	13.88	117	294208	52.356	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	977114	51.085	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65974	54.425	ug/l	99

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Quant Title : SW846 8260
QLast Update : Mon Jan 07 09:34:27 2019
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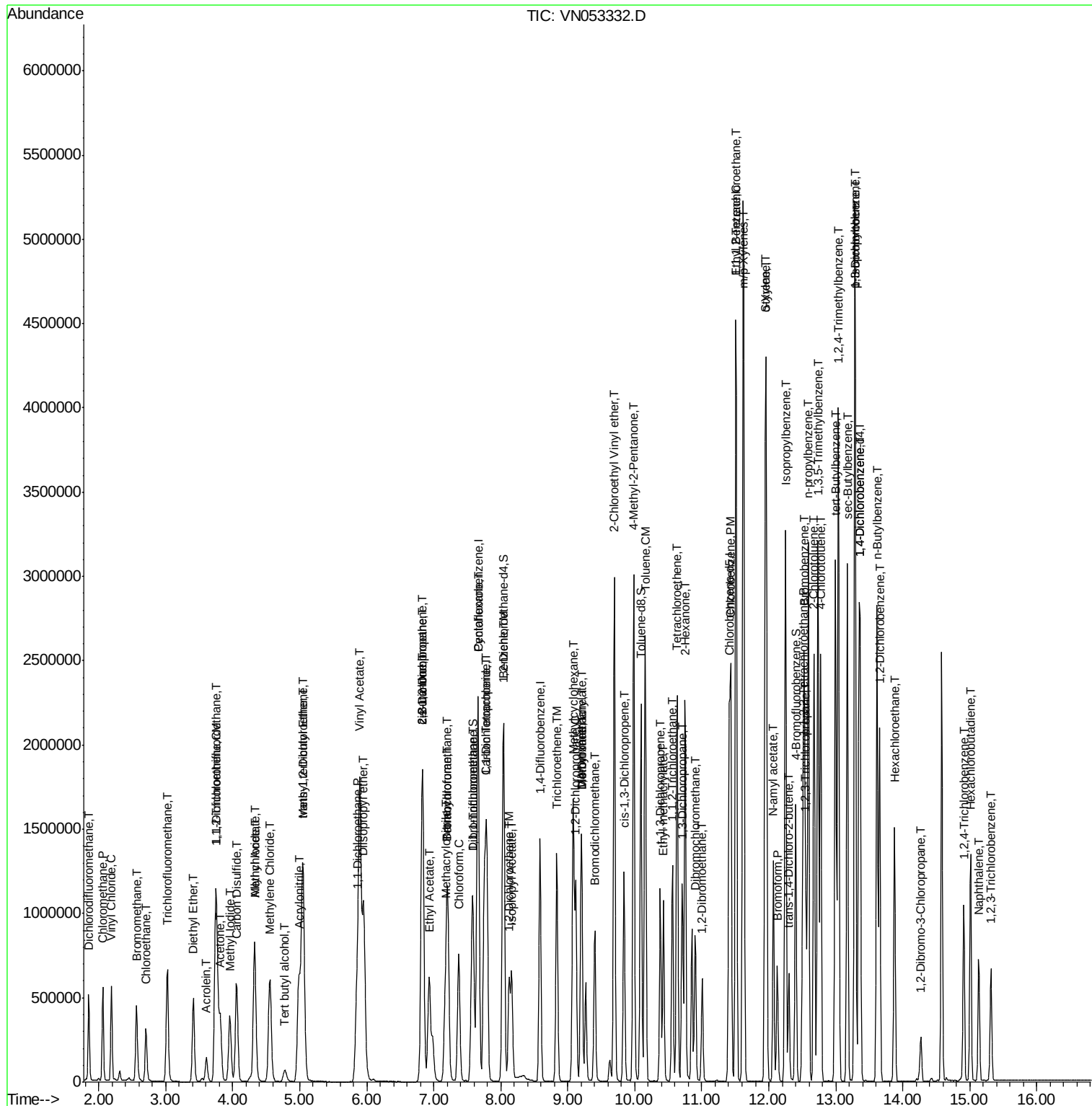
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	369373	61.418	ug/l	99
94) Hexachlorobutadiene	15.01	225	296378	60.250	ug/l	99
95) Naphthalene	15.13	128	643811	62.752	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	259482	65.900	ug/l	98

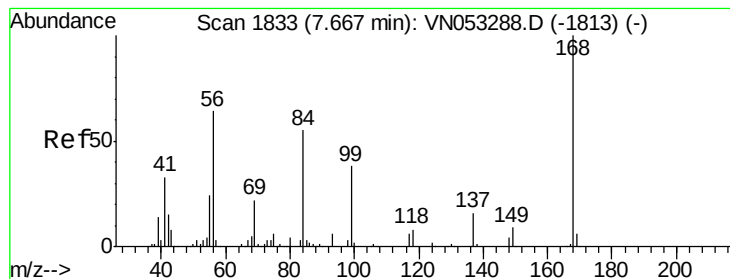
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN011019\
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Quant Title : SW846 8260
QLast Update : Mon Jan 07 09:34:27 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

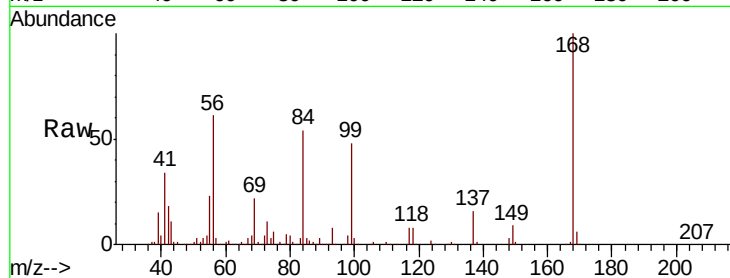
VSTDCCC050

Tgt Ion:168 Resp: 904681

Ion Ratio Lower Upper

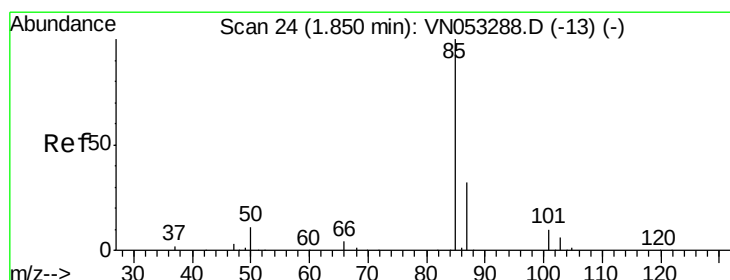
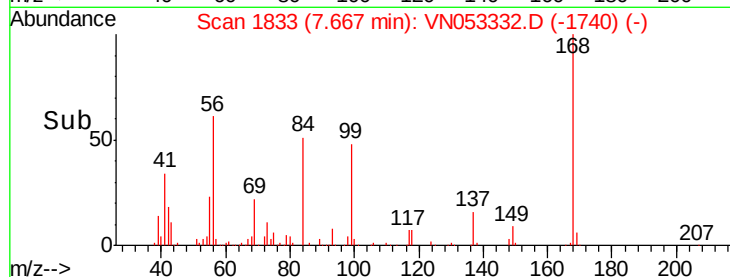
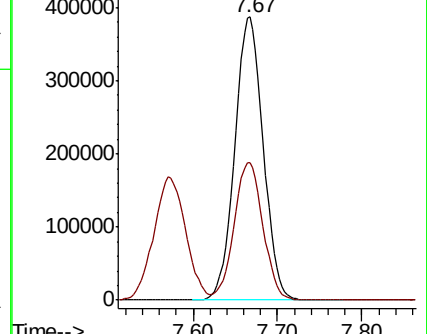
168 100

99 48.3 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.225 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053332.D

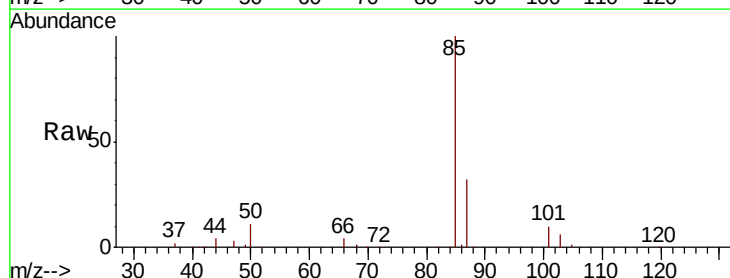
Acq: 10 Jan 2019 9:30

Tgt Ion: 85 Resp: 392602

Ion Ratio Lower Upper

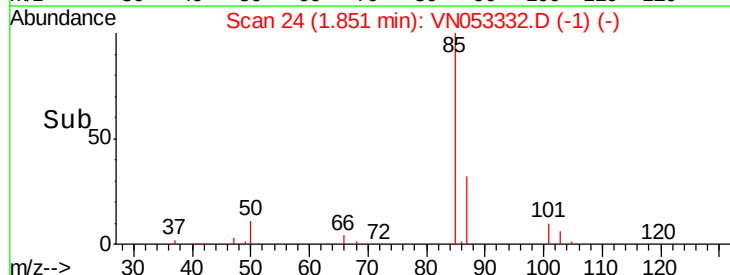
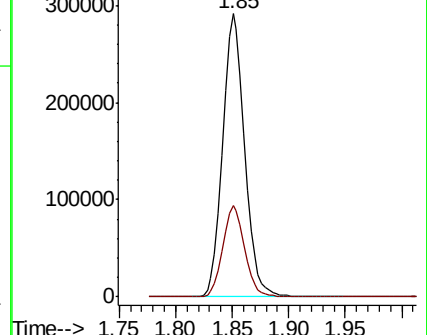
85 100

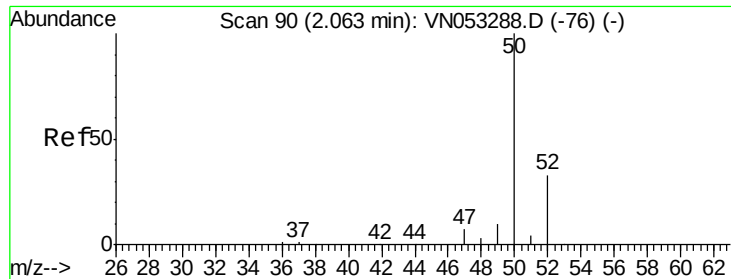
87 32.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

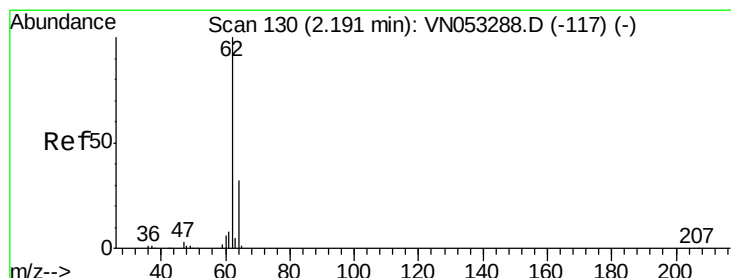
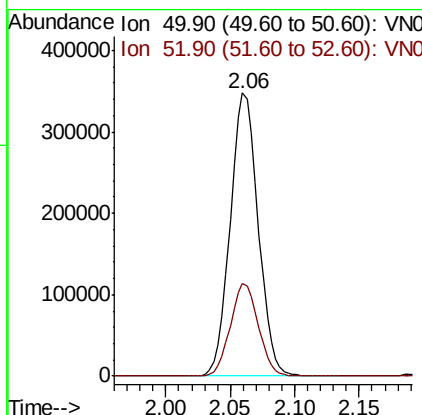
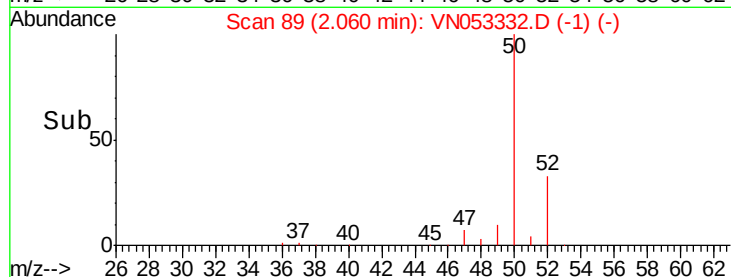
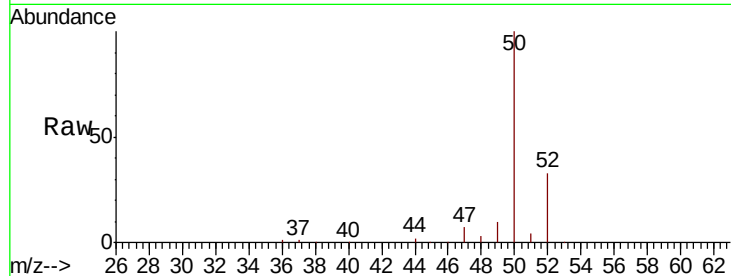




#3
Chloromethane
Concen: 47.020 ug/l
RT: 2.06 min Scan# 89
Delta R.T. -0.00 min
Lab File: VN053332.D
Acq: 10 Jan 2019 9:30

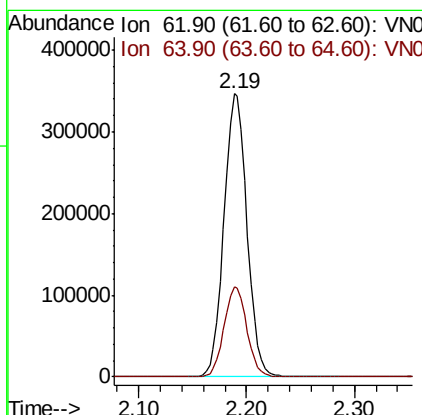
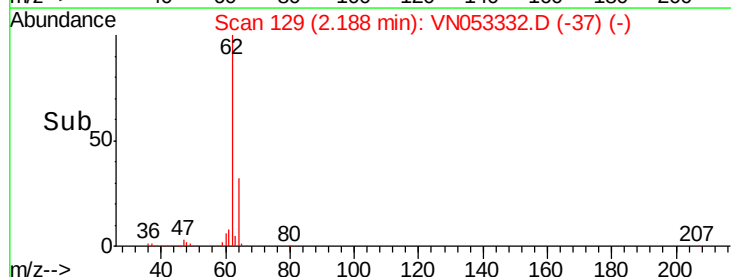
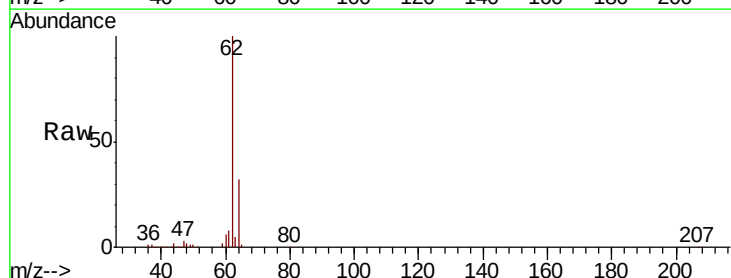
Instrument :
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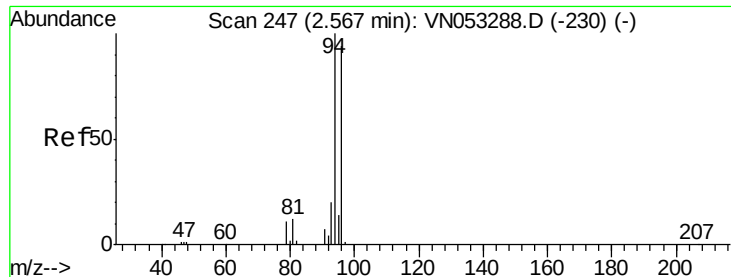
Tgt Ion: 50 Resp: 523703
Ion Ratio Lower Upper
50 100
52 32.5 26.6 40.0



#4
Vinyl Chloride
Concen: 48.294 ug/l
RT: 2.19 min Scan# 129
Delta R.T. -0.00 min
Lab File: VN053332.D
Acq: 10 Jan 2019 9:30

Tgt Ion: 62 Resp: 513396
Ion Ratio Lower Upper
62 100
64 31.7 25.6 38.4





#5

Bromomethane

Concen: 48.366 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

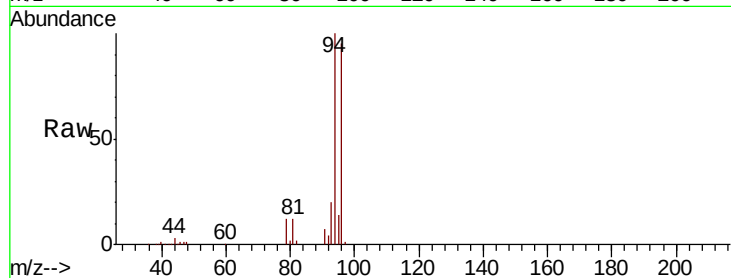
VSTDCCC050

Tgt Ion: 94 Resp: 335978

Ion Ratio Lower Upper

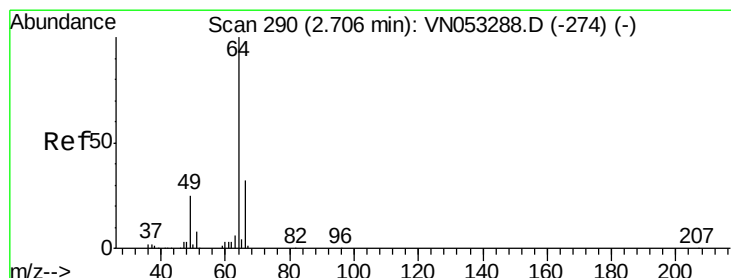
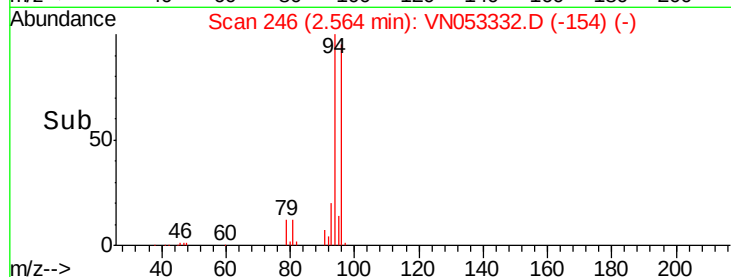
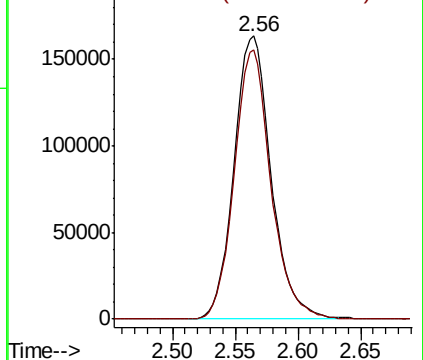
94 100

96 95.3 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.126 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053332.D

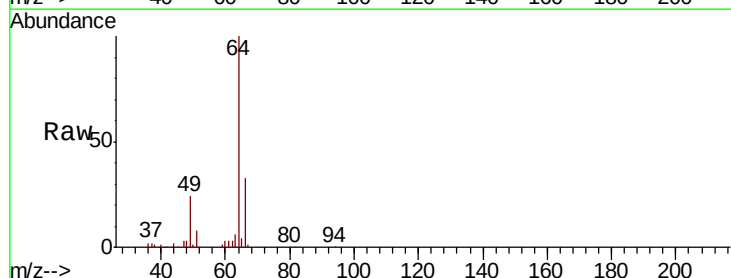
Acq: 10 Jan 2019 9:30

Tgt Ion: 64 Resp: 308801

Ion Ratio Lower Upper

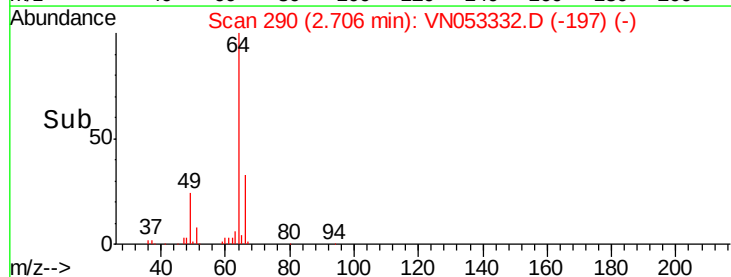
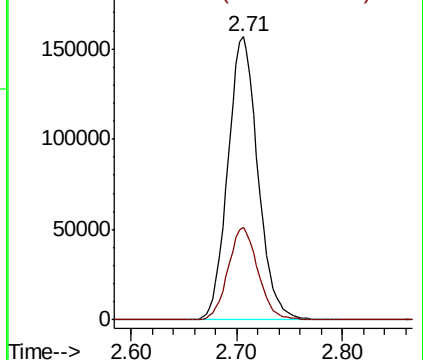
64 100

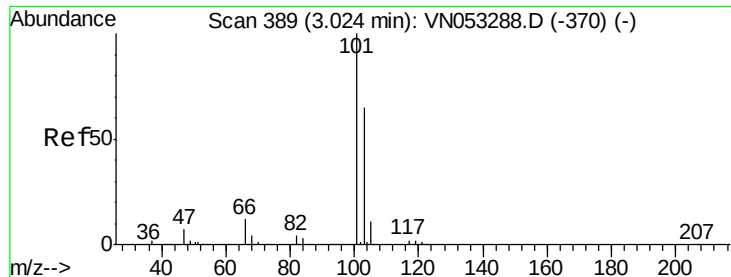
66 32.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 49.081 ug/l

RT: 3.02 min Scan# 389

Delta R.T. 0.00 min

Lab File: VN053332.D

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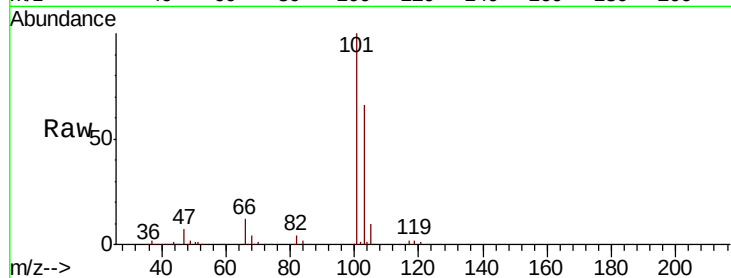
VSTDCCC050

Tgt Ion:101 Resp: 675824

Ion Ratio Lower Upper

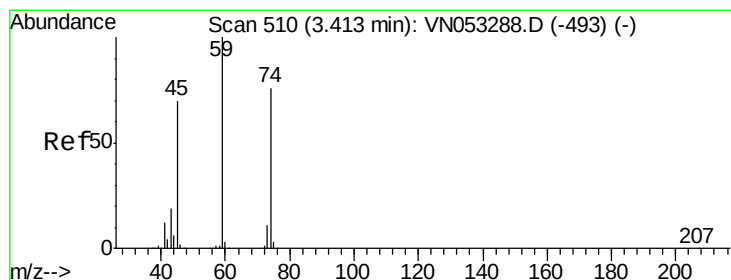
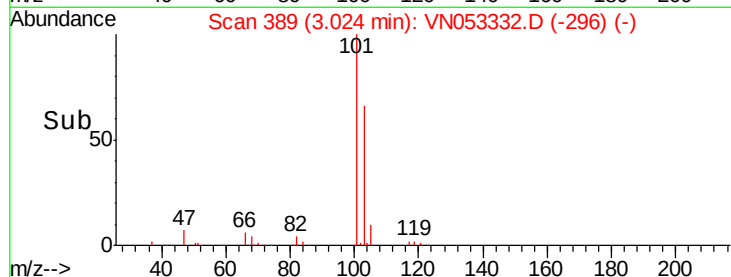
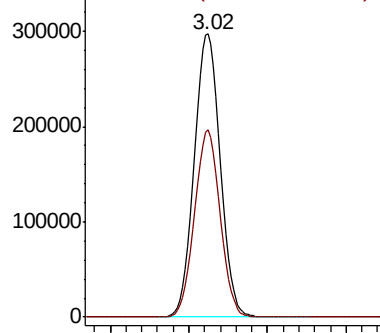
101 100

103 66.3 52.1 78.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 49.473 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

Lab File: VN053332.D

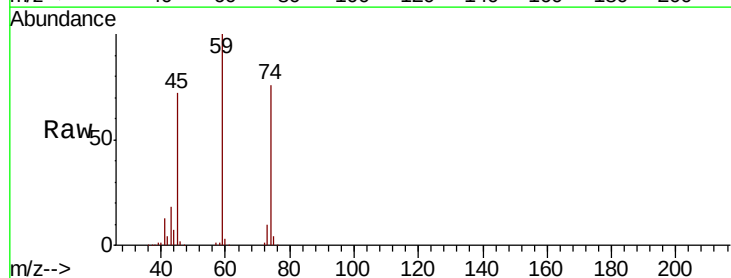
Acq: 10 Jan 2019 9:30

Tgt Ion: 74 Resp: 267010

Ion Ratio Lower Upper

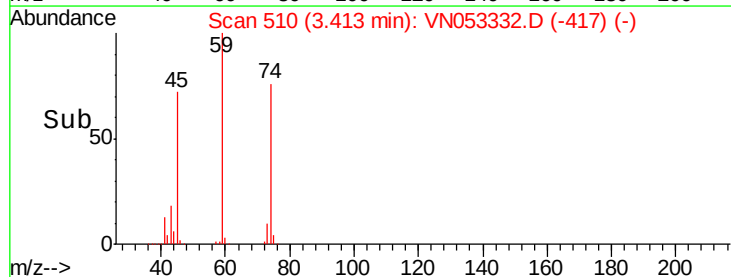
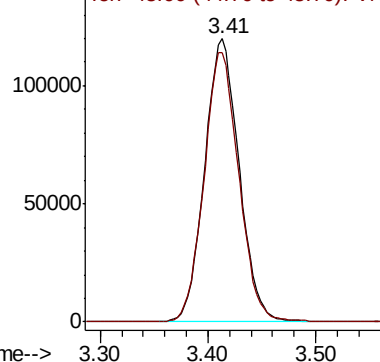
74 100

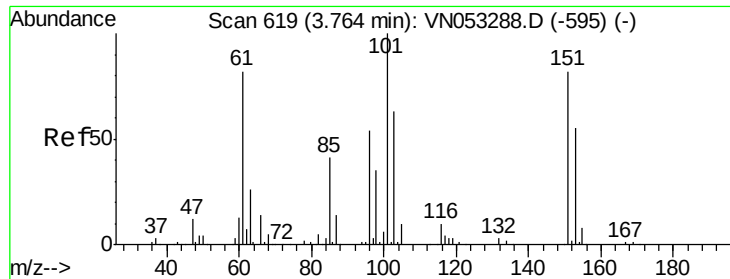
45 96.1 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.820 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

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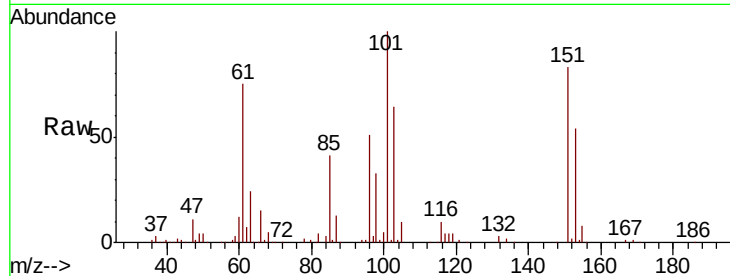
Tgt Ion:101 Resp: 426045

Ion Ratio Lower Upper

101 100

85 41.4 33.3 49.9

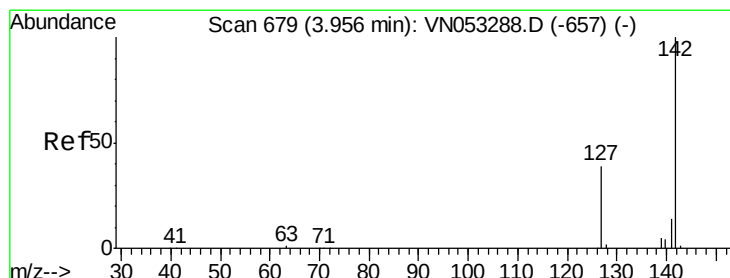
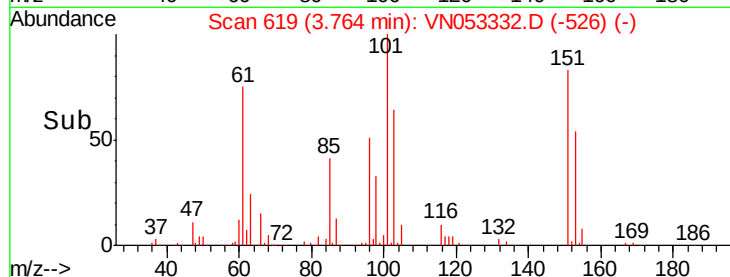
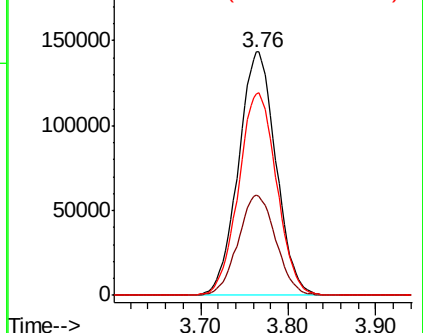
151 84.5 67.0 100.4



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: 53.475 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

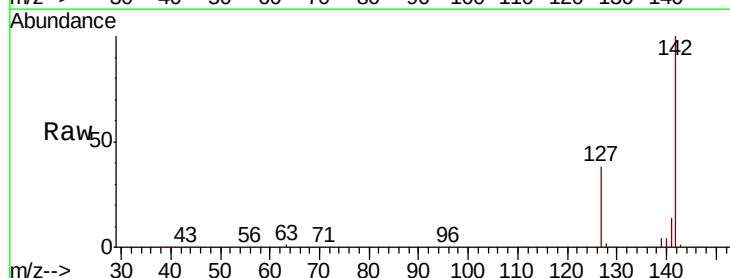
Tgt Ion:142 Resp: 654149

Ion Ratio Lower Upper

142 100

127 38.1 30.9 46.3

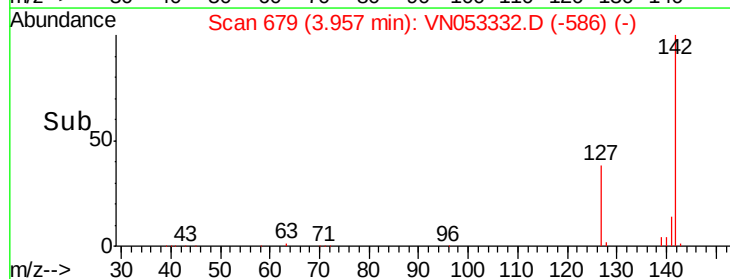
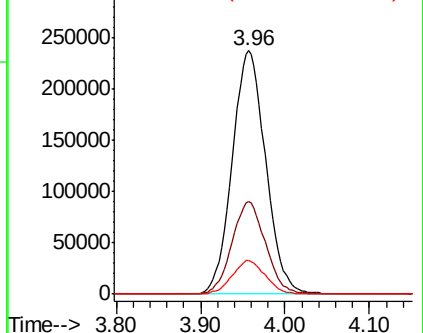
141 13.7 11.2 16.8

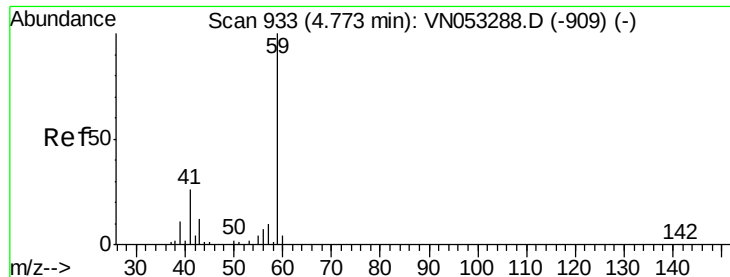


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

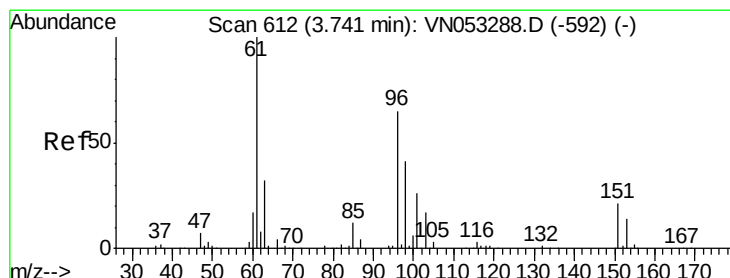
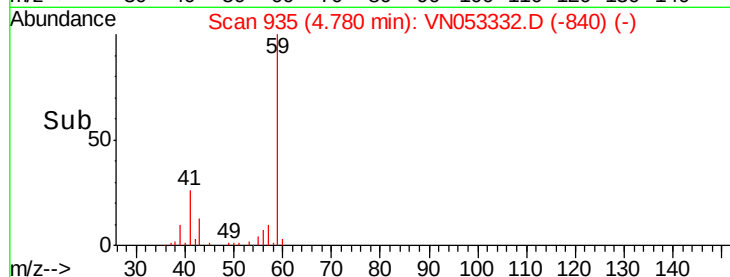
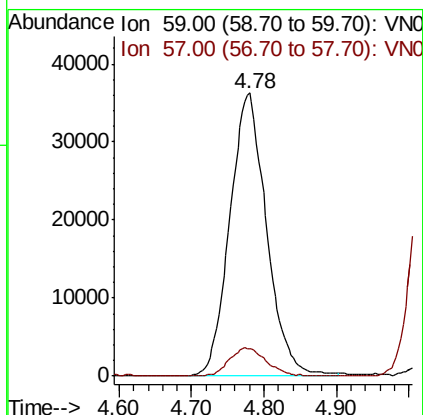
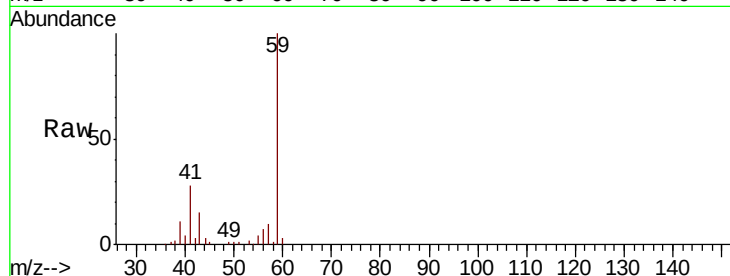




#11
Tert butyl alcohol
Concen: 226.255 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN053332.D
Acq: 10 Jan 2019 9:30

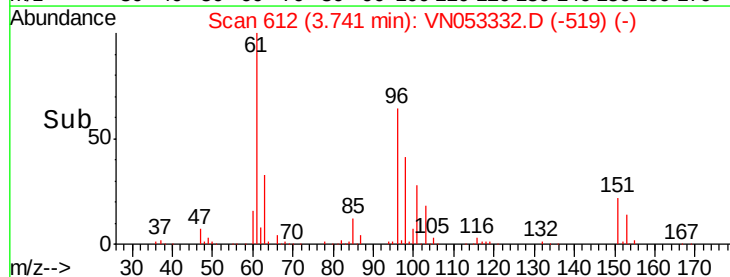
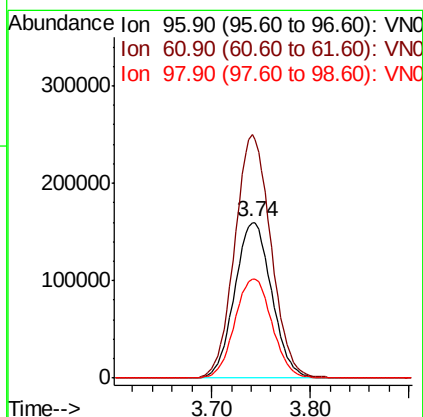
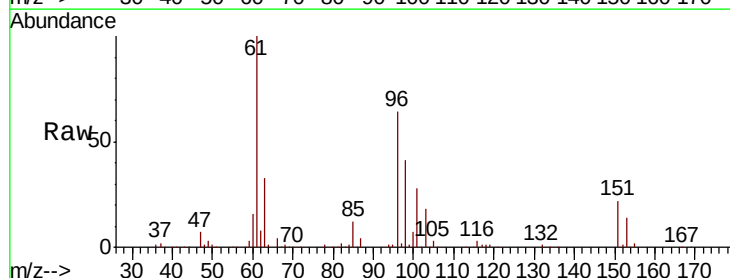
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

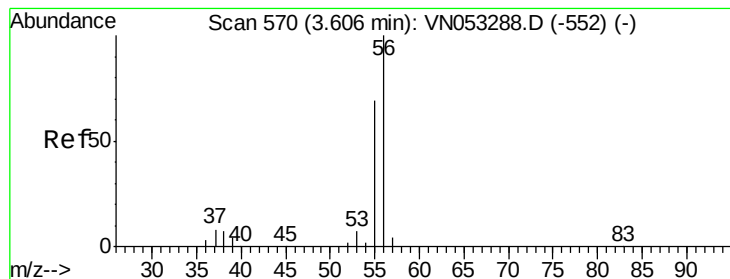
Tgt Ion: 59 Resp: 128086
Ion Ratio Lower Upper
59 100
57 10.0 8.0 12.0



#12
1,1-Dichloroethene
Concen: 49.110 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053332.D
Acq: 10 Jan 2019 9:30

Tgt Ion: 96 Resp: 414550
Ion Ratio Lower Upper
96 100
61 156.5 123.2 184.8
98 63.6 50.5 75.7





#13

Acrolein

Concen: 231.961 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

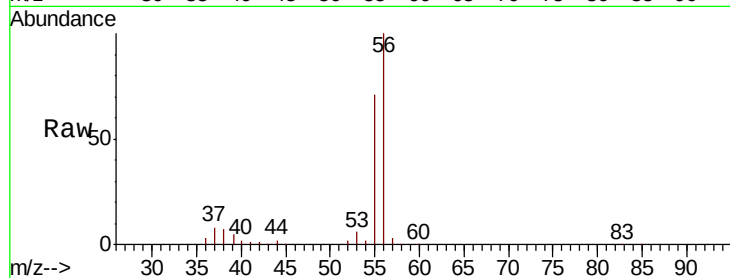
VSTDCCC050

Tgt Ion: 56 Resp: 165108

Ion Ratio Lower Upper

56 100

55 70.9 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VN053288.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN053288.D (-552) (-)

3.61

60000

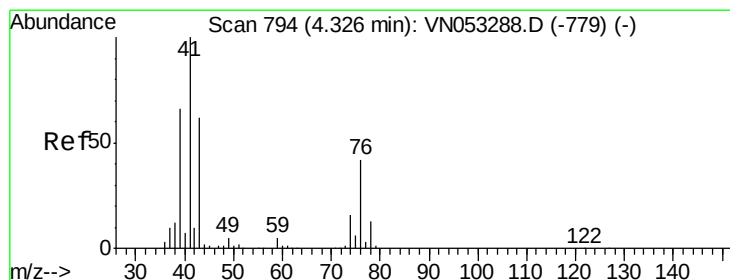
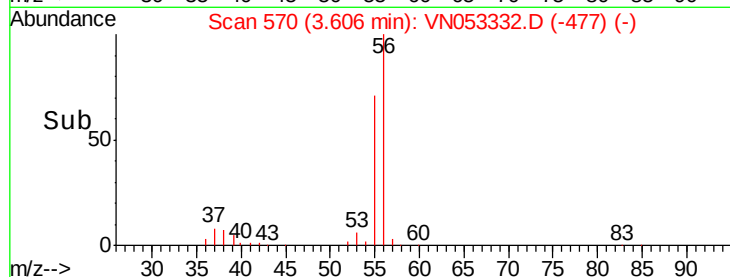
40000

20000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 50.959 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

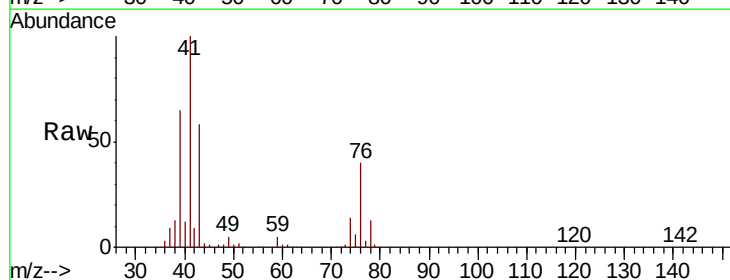
Tgt Ion: 41 Resp: 693307

Ion Ratio Lower Upper

41 100

39 61.1 51.9 77.9

76 37.0 31.2 46.8



Abundance Ion 41.00 (40.70 to 41.70): VN053288.D (-779) (-)

Ion 39.00 (38.70 to 39.70): VN053288.D (-779) (-)

Ion 75.90 (75.60 to 76.60): VN053288.D (-779) (-)

4.33

300000

250000

200000

150000

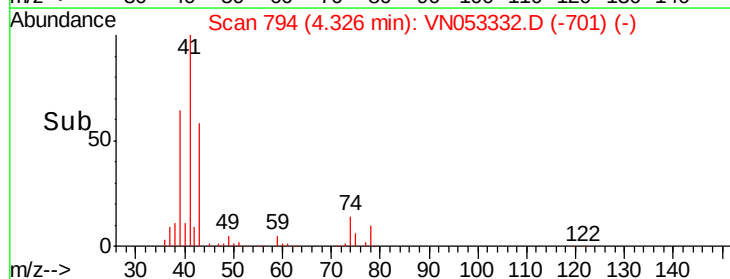
100000

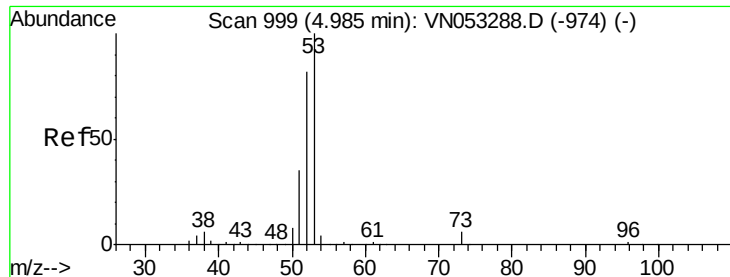
50000

0

Time-->

4.10 4.20 4.30 4.40 4.50





#15

Acrylonitrile

Concen: 241.473 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

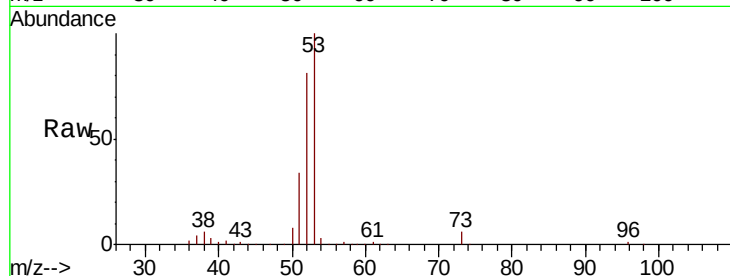
Tgt Ion: 53 Resp: 816051

Ion Ratio Lower Upper

53 100

52 82.3 65.2 97.8

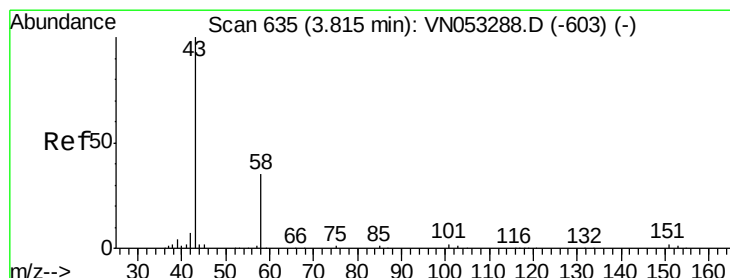
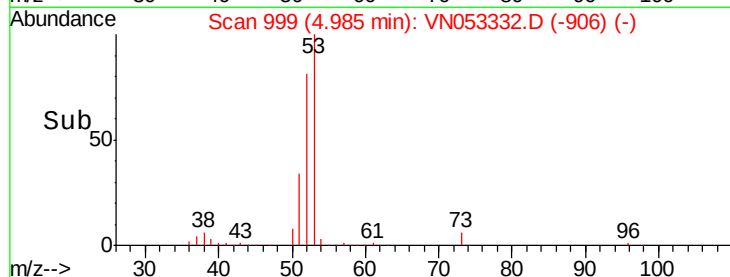
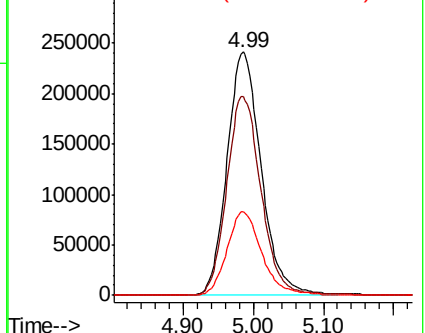
51 35.1 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 264.381 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053332.D

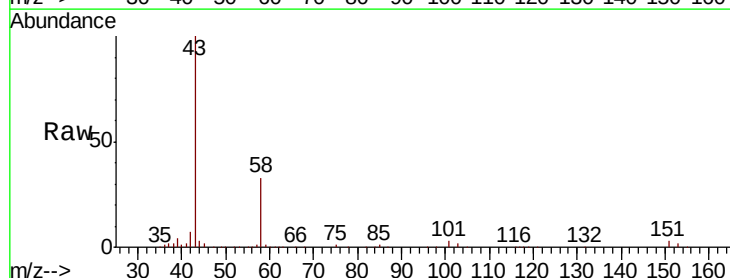
Acq: 10 Jan 2019 9:30

Tgt Ion: 43 Resp: 598587

Ion Ratio Lower Upper

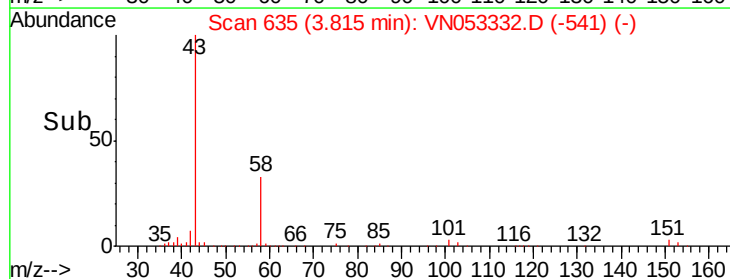
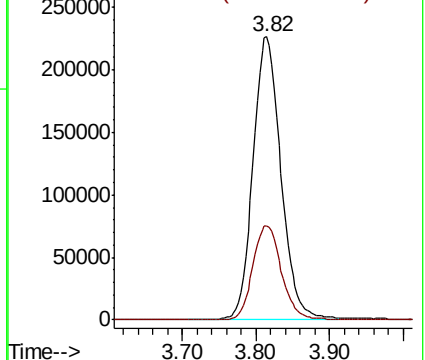
43 100

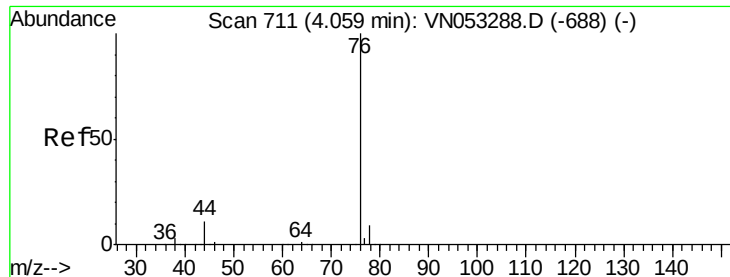
58 33.2 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 46.095 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

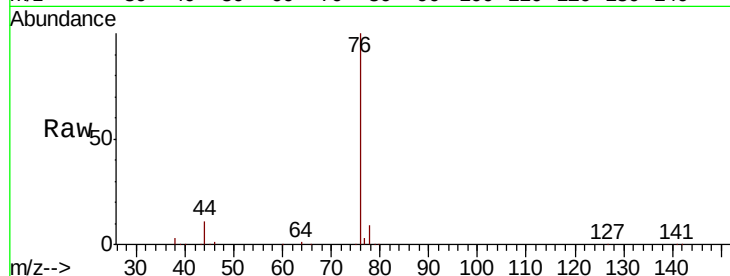
VSTDCCC050

Tgt Ion: 76 Resp: 1199612

Ion Ratio Lower Upper

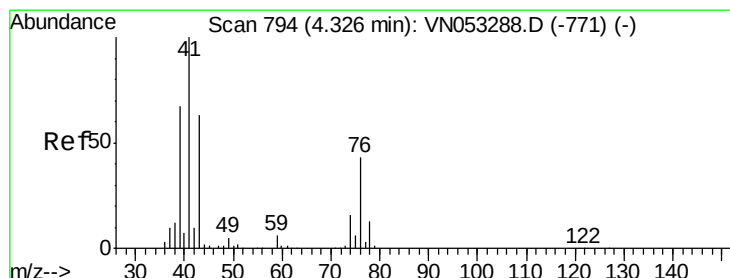
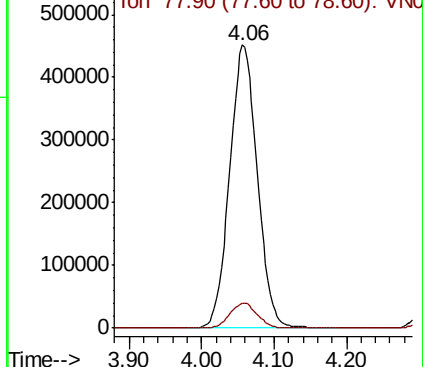
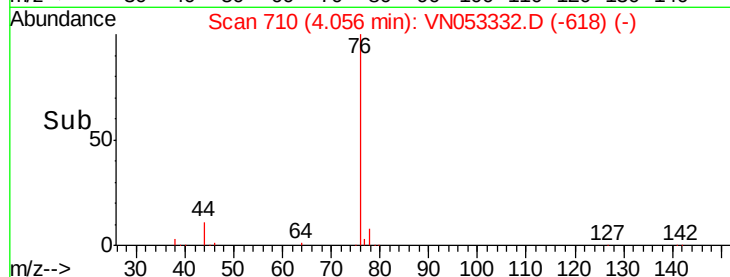
76 100

78 8.8 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN053332.D (-618) (-)

Ion 77.90 (77.60 to 78.60): VN053332.D (-618) (-)



#18

Methyl Acetate

Concen: 45.275 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053332.D

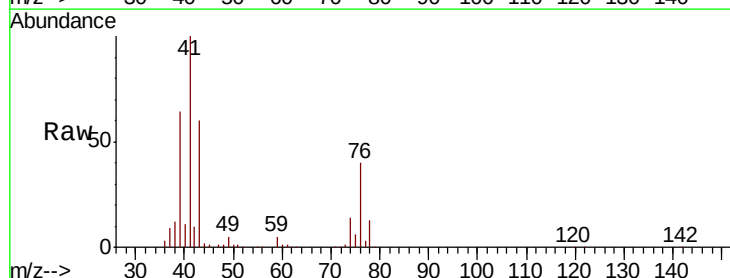
Acq: 10 Jan 2019 9:30

Tgt Ion: 43 Resp: 385664

Ion Ratio Lower Upper

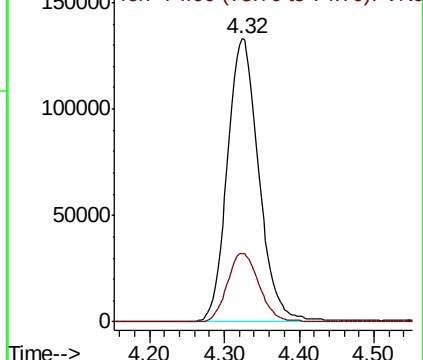
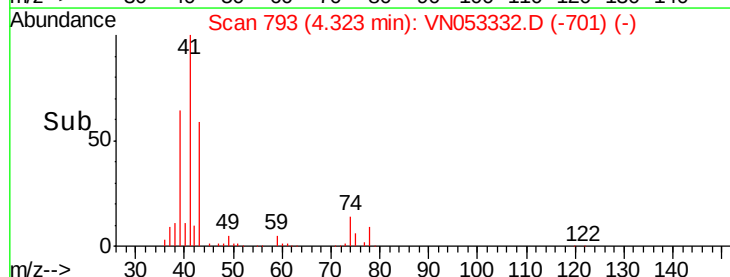
43 100

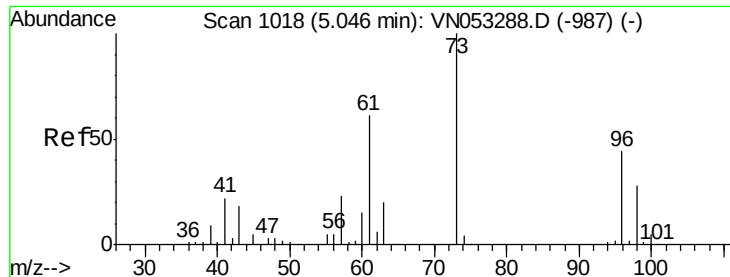
74 24.8 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN053332.D (-701) (-)

Ion 74.00 (73.70 to 74.70): VN053332.D (-701) (-)

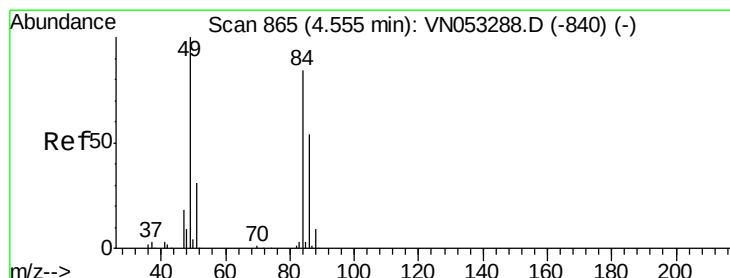
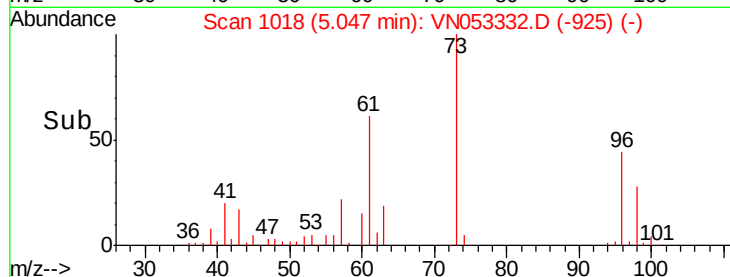
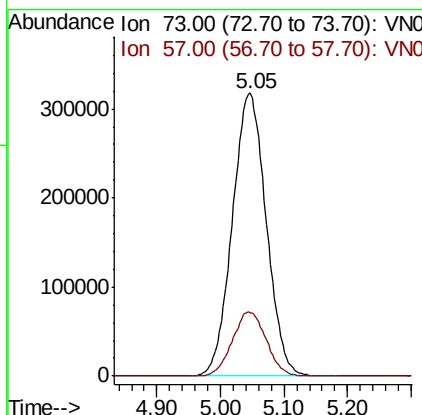
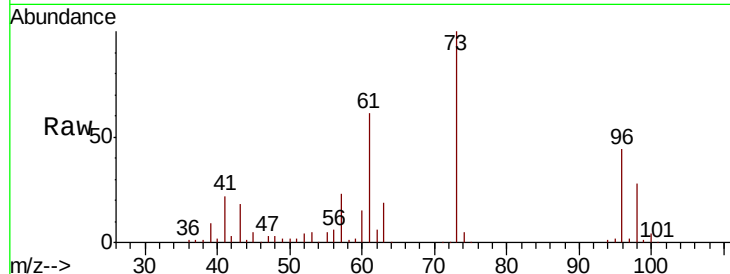




#19
Methyl tert-butyl Ether
Concen: 49.633 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053332.D
Acq: 10 Jan 2019 9:30

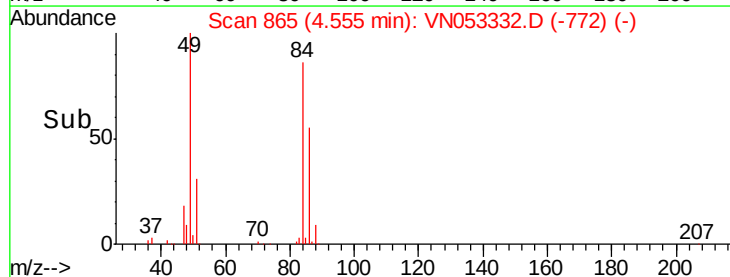
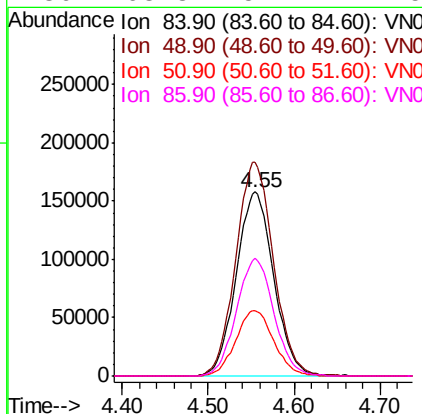
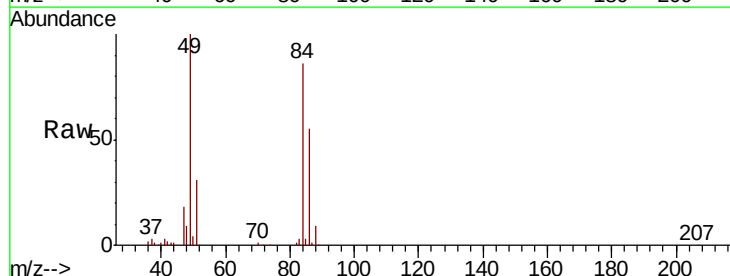
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

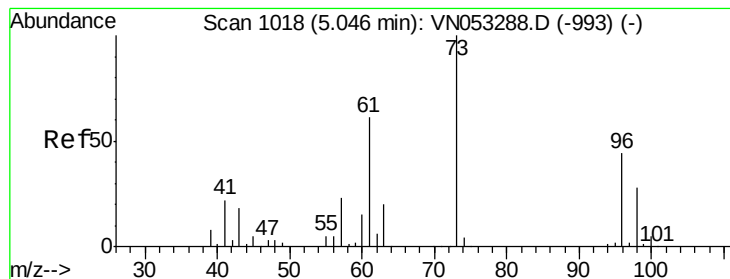
Tgt Ion: 73 Resp: 1175851
Ion Ratio Lower Upper
73 100
57 22.5 18.5 27.7



#20
Methylene Chloride
Concen: 47.431 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053332.D
Acq: 10 Jan 2019 9:30

Tgt Ion: 84 Resp: 479476
Ion Ratio Lower Upper
84 100
49 116.0 95.3 142.9
51 35.5 29.0 43.6
86 63.8 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 49.033 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

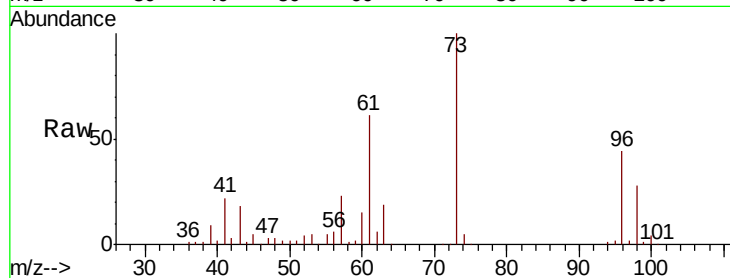
Tgt Ion: 96 Resp: 444415

Ion Ratio Lower Upper

96 100

61 139.2 110.2 165.4

98 64.4 50.7 76.1

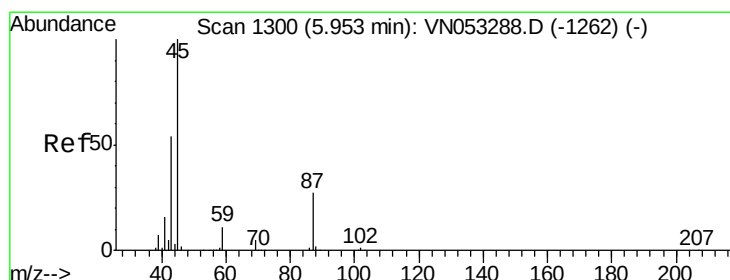
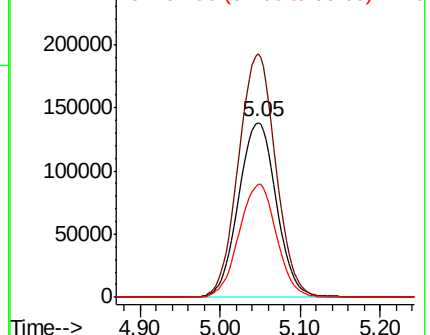
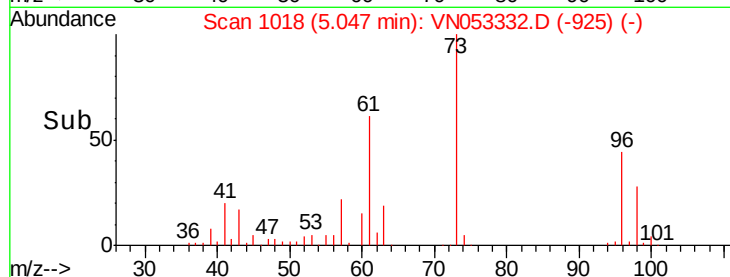


Abundance

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: 50.023 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Tgt Ion: 45 Resp: 1466141

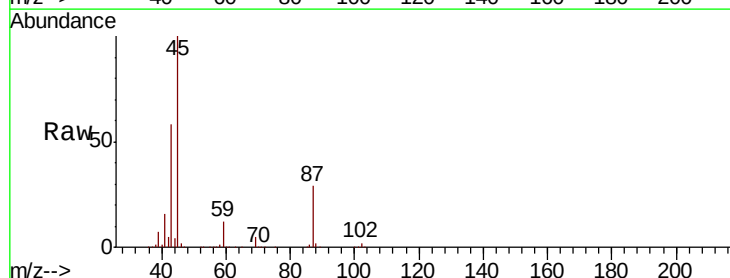
Ion Ratio Lower Upper

45 100

43 56.9 43.0 64.6

87 28.9 22.1 33.1

59 12.1 9.0 13.4



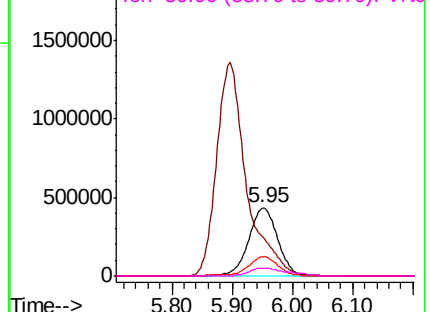
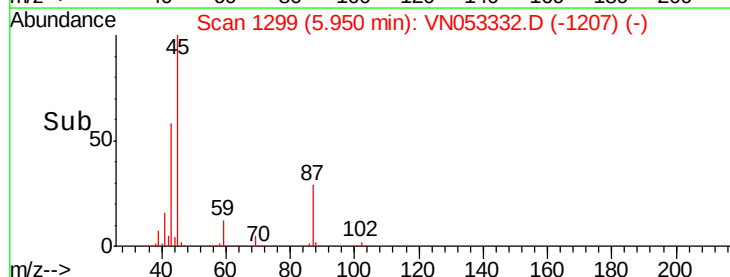
Abundance

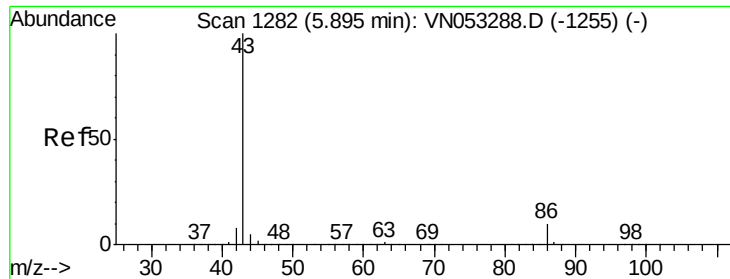
Ion 45.00 (44.70 to 45.70): VN0

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: 252.180 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

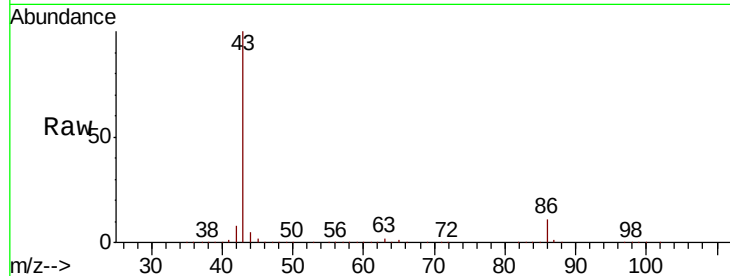
VSTDCCC050

Tgt Ion: 43 Resp: 4650675

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

5.90

1500000

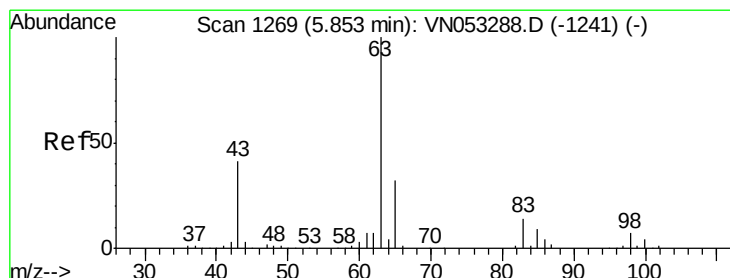
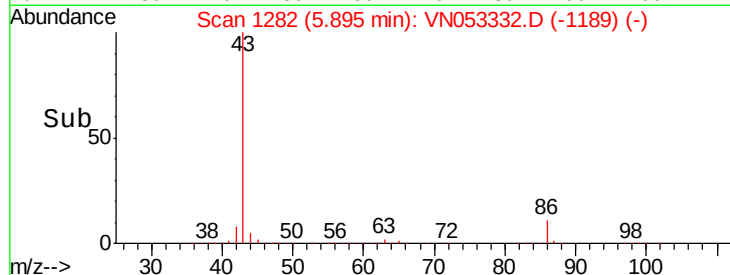
1000000

500000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 49.627 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

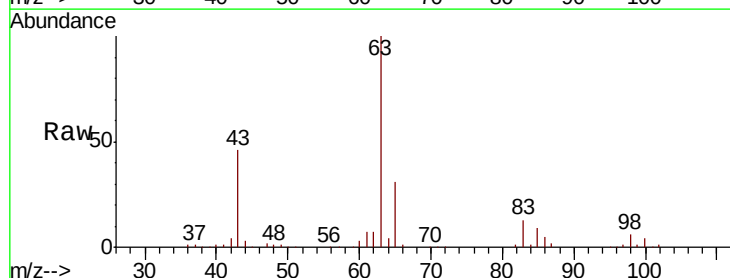
Tgt Ion: 63 Resp: 838909

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

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

5.85

300000

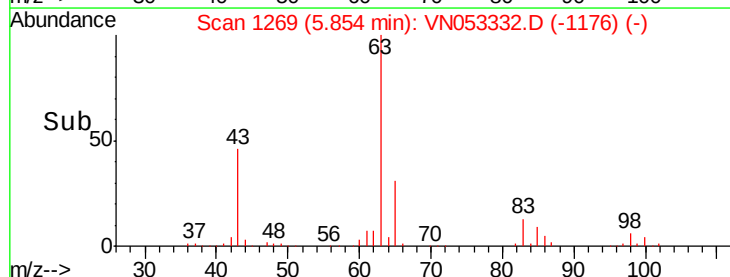
200000

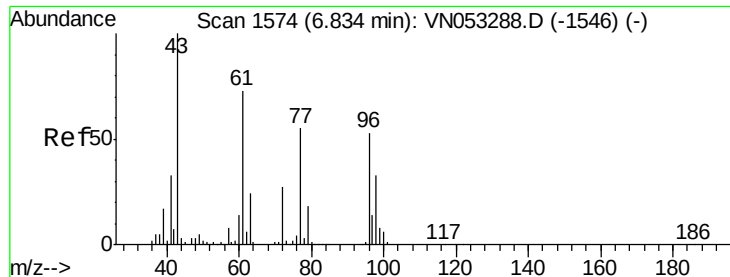
100000

0

Time-->

5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 243.034 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

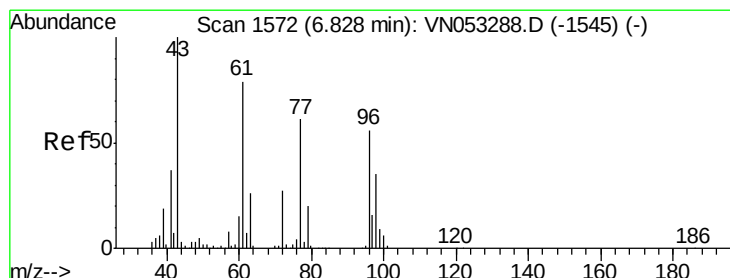
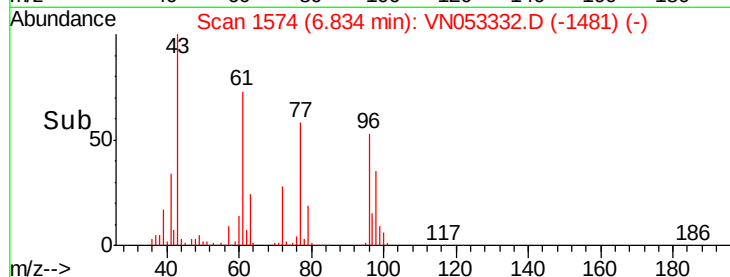
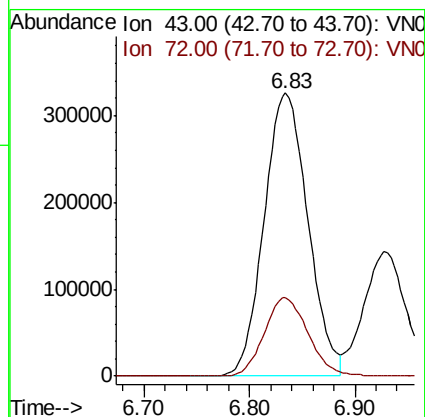
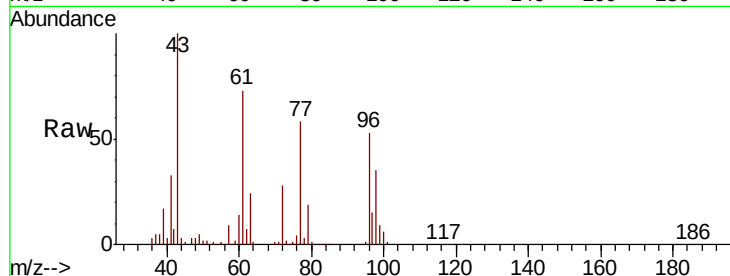
VSTDCCC050

Tgt Ion: 43 Resp: 938452

Ion Ratio Lower Upper

43 100

72 27.8 22.0 33.0



#26

2,2-Dichloropropane

Concen: 51.574 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053332.D

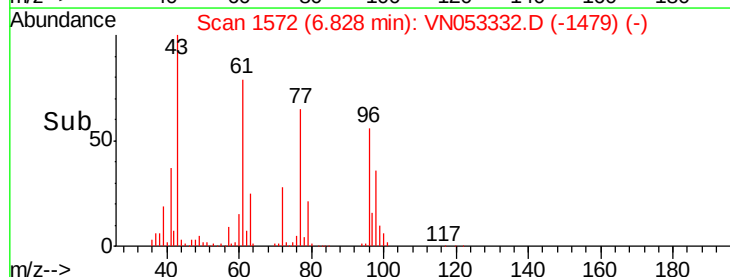
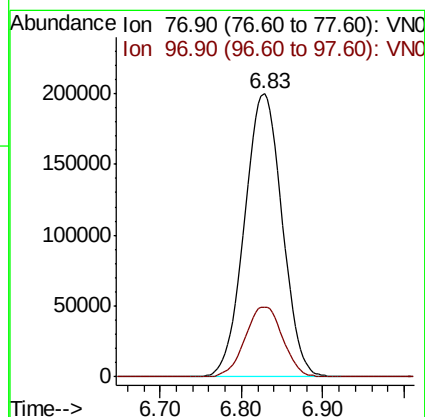
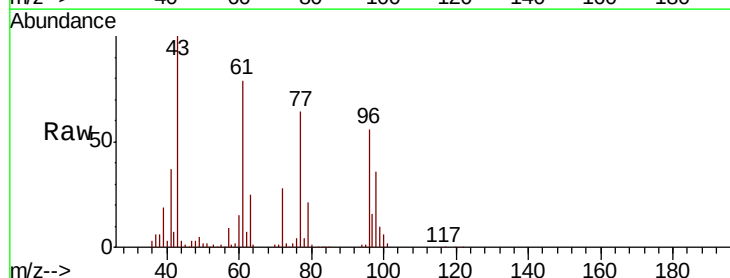
Acq: 10 Jan 2019 9:30

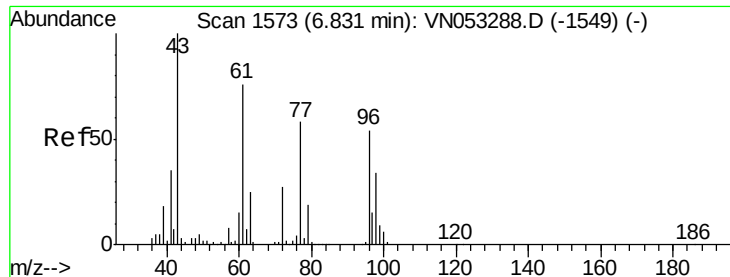
Tgt Ion: 77 Resp: 637296

Ion Ratio Lower Upper

77 100

97 24.7 12.3 36.9

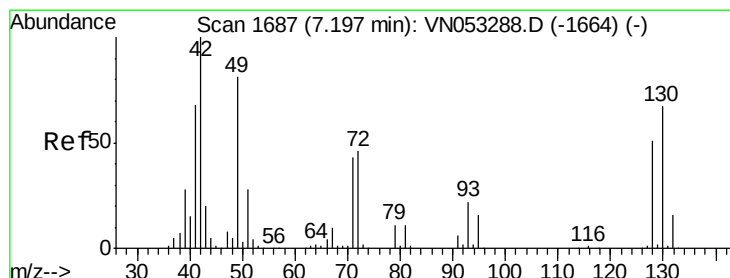
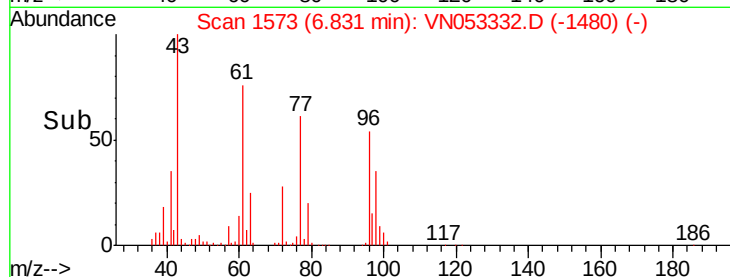
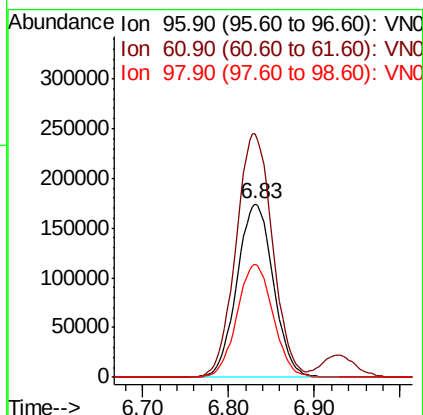
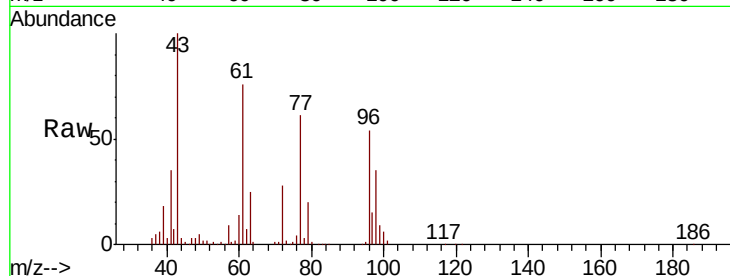




#27
 cis-1,2-Dichloroethene
 Concen: 49.658 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN053332.D
 Acq: 10 Jan 2019 9:30

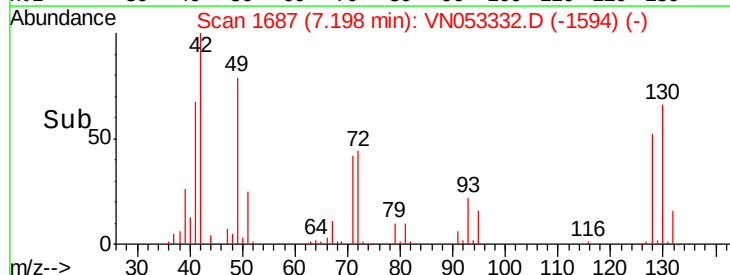
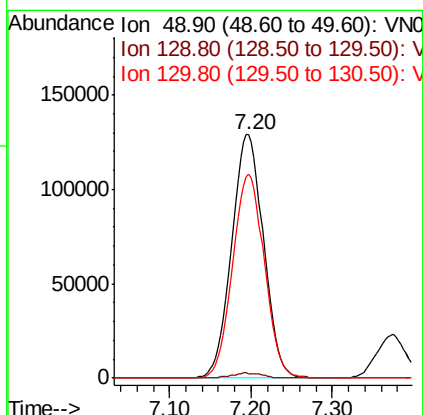
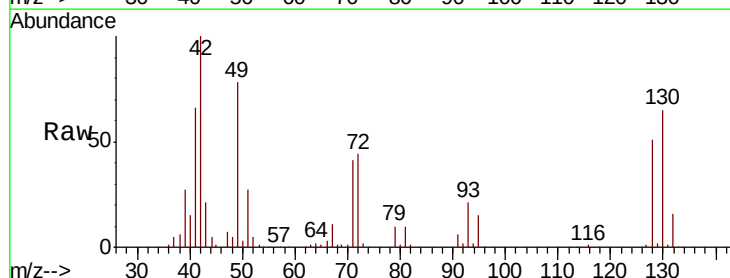
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

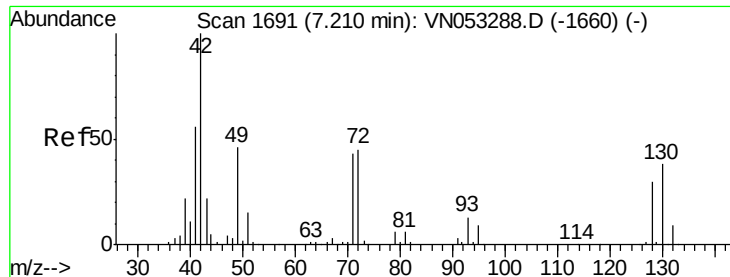
Tgt Ion: 96 Resp: 513973
 Ion Ratio Lower Upper
 96 100
 61 140.8 0.0 280.6
 98 64.7 0.0 127.6



#28
 Bromochloromethane
 Concen: 48.832 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN053332.D
 Acq: 10 Jan 2019 9:30

Tgt Ion: 49 Resp: 351769
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 3.8
 130 83.4 65.4 98.0





#29

Tetrahydrofuran

Concen: 233.936 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

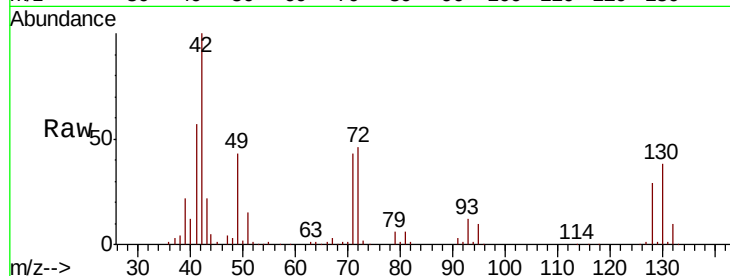
Tgt Ion: 42 Resp: 596109

Ion Ratio Lower Upper

42 100

72 45.2 35.6 53.4

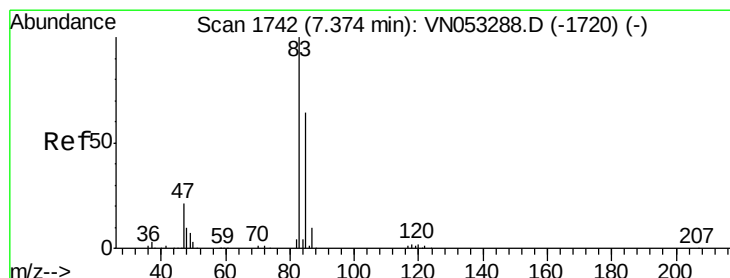
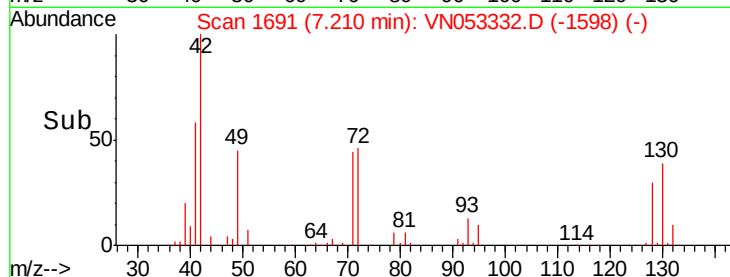
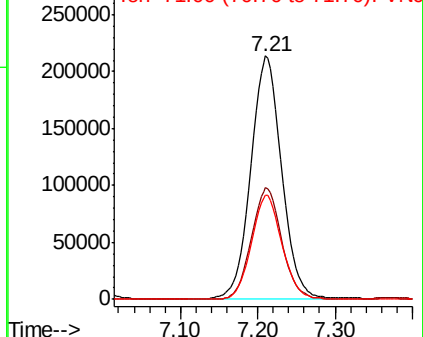
71 42.5 33.8 50.8



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: 49.325 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN053332.D

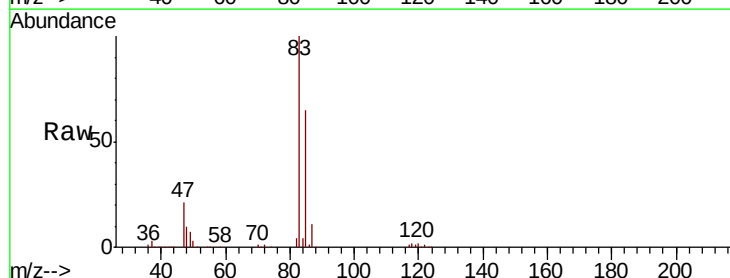
Acq: 10 Jan 2019 9:30

Tgt Ion: 83 Resp: 820682

Ion Ratio Lower Upper

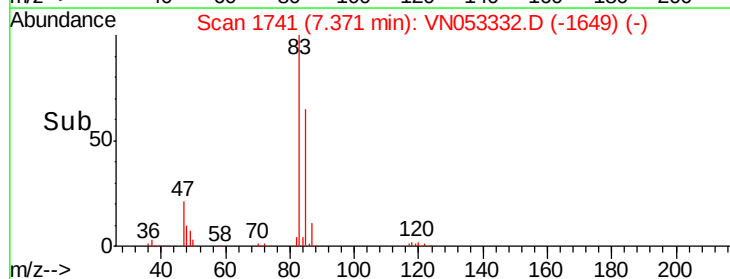
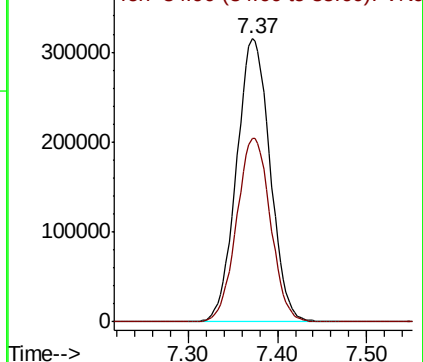
83 100

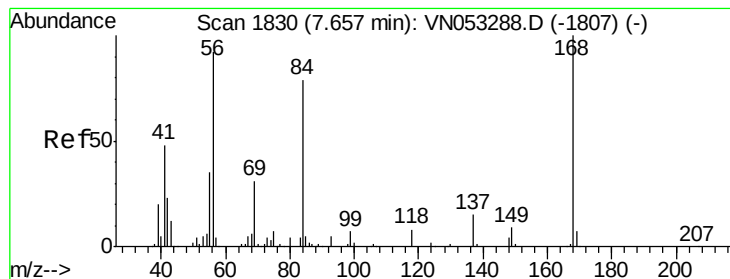
85 64.7 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 48.222 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

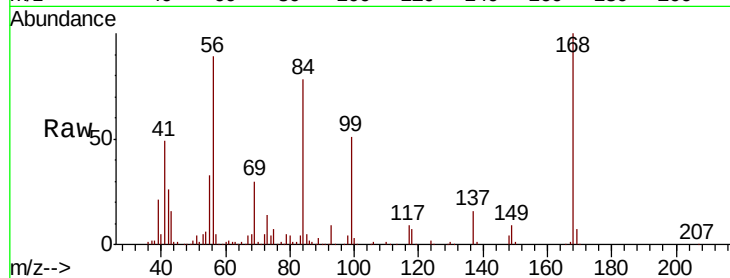
Tgt Ion: 56 Resp: 774744

Ion Ratio Lower Upper

56 100

69 33.5 26.7 40.1

84 86.7 68.2 102.4

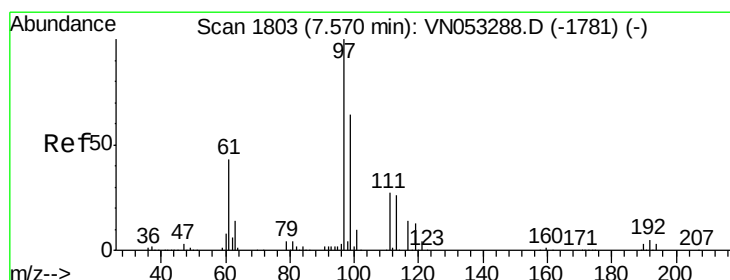
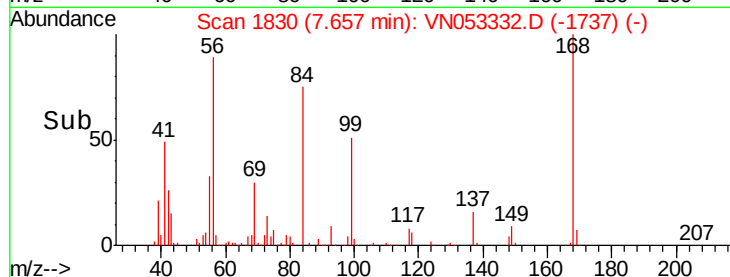
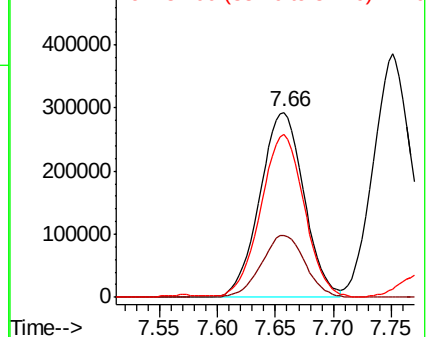


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 49.657 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

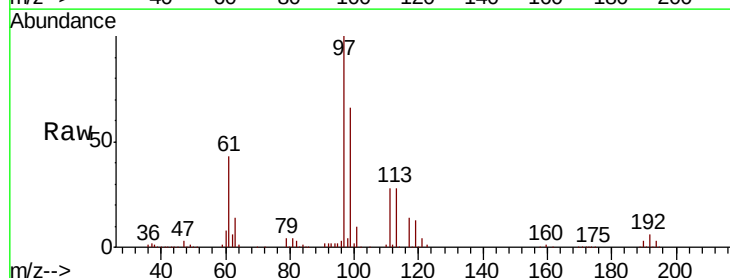
Tgt Ion: 97 Resp: 688493

Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

61 43.4 34.6 52.0

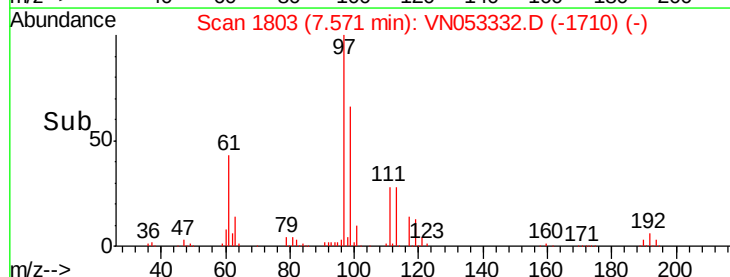
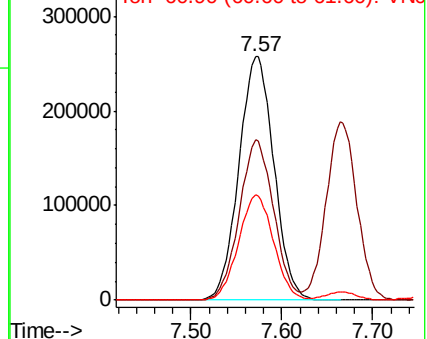


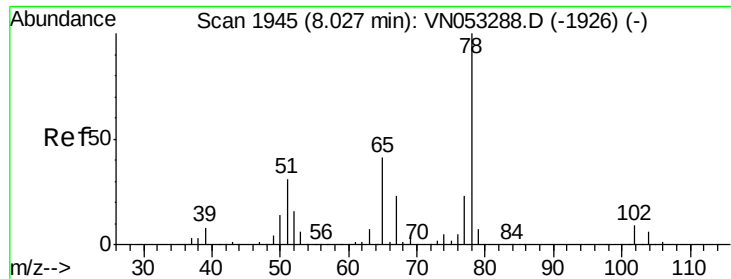
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

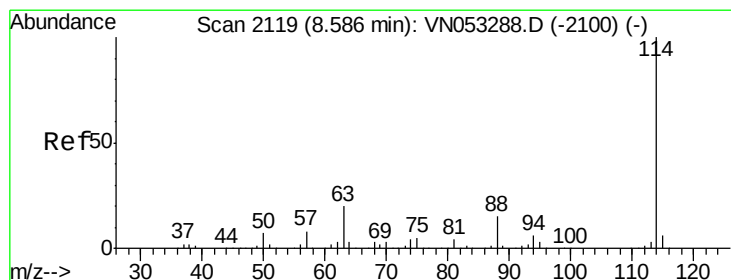
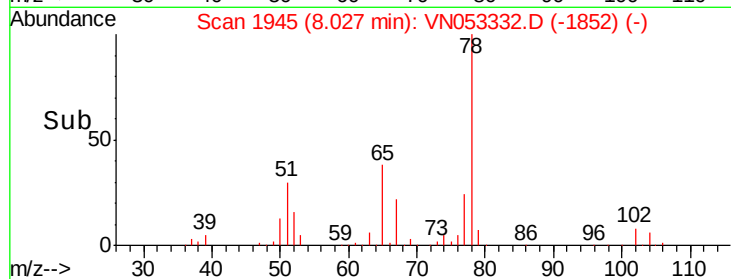
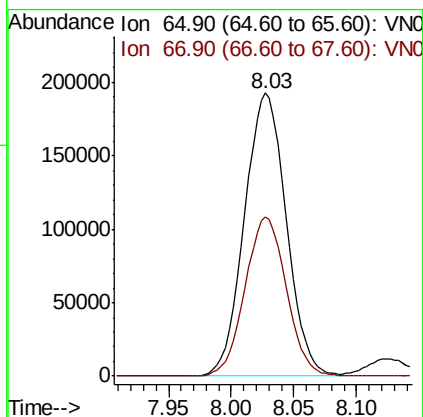
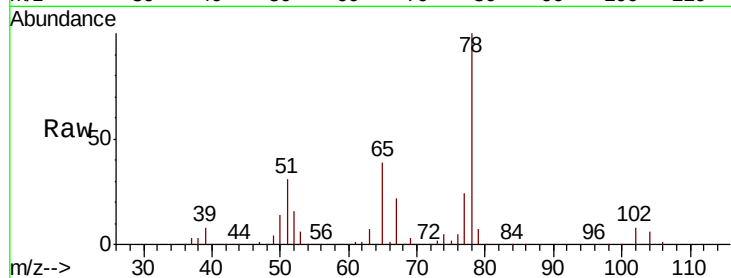




#33
 1,2-Dichloroethane-d4
 Concen: 49.657 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053332.D
 Acq: 10 Jan 2019 9:30

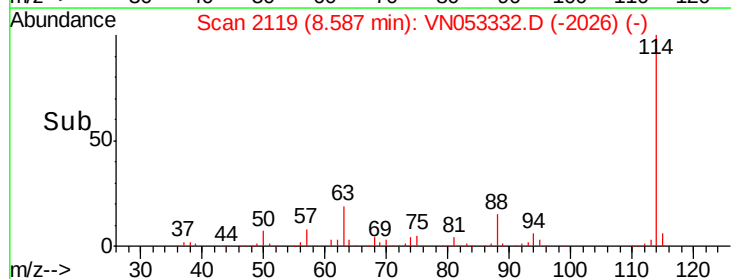
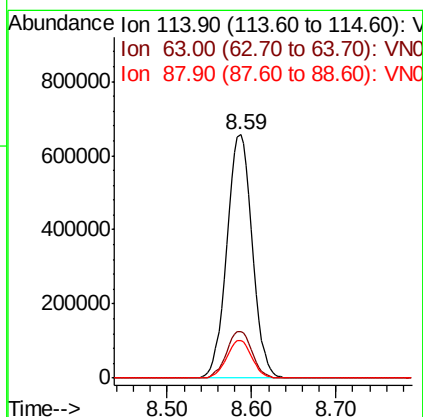
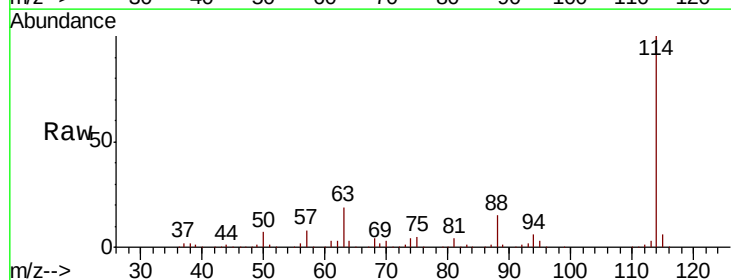
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

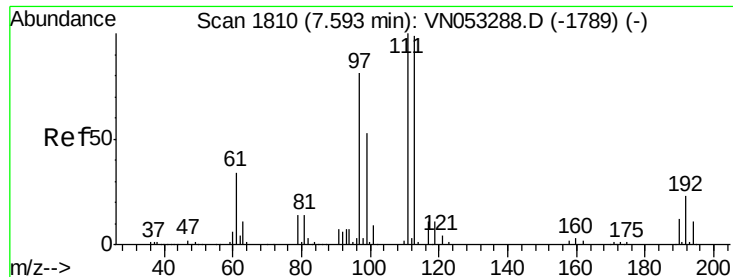
Tgt Ion: 65 Resp: 446958
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053332.D
 Acq: 10 Jan 2019 9:30

Tgt Ion: 114 Resp: 1370958
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.0
 88 15.5 0.0 30.8

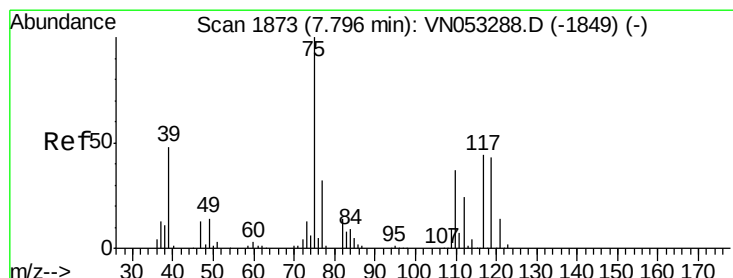
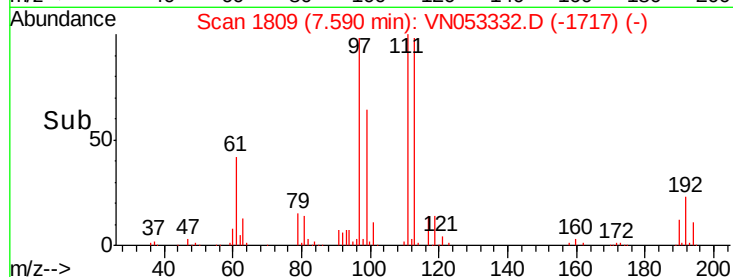
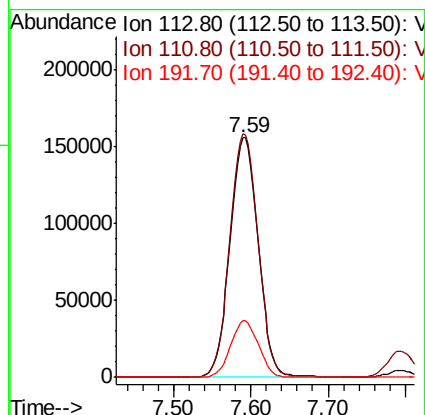
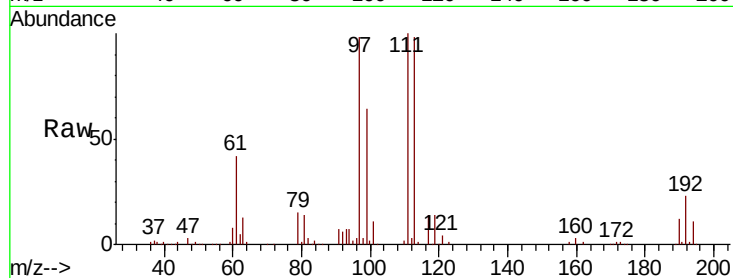




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053332.D
 Acq: 10 Jan 2019 9:30

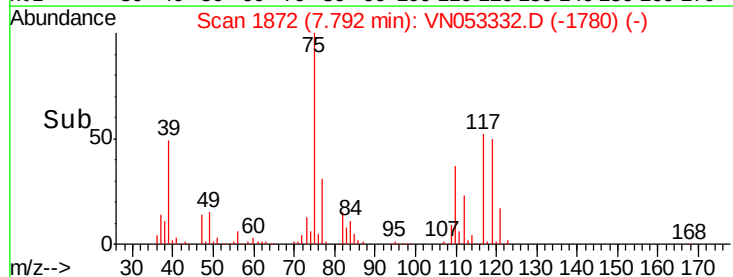
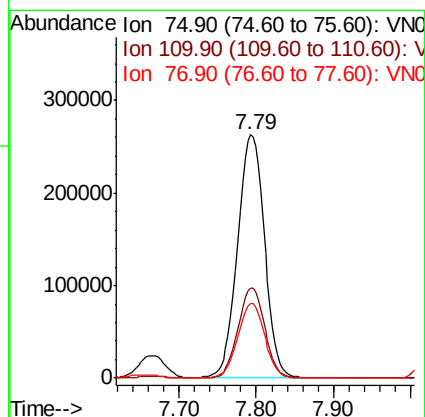
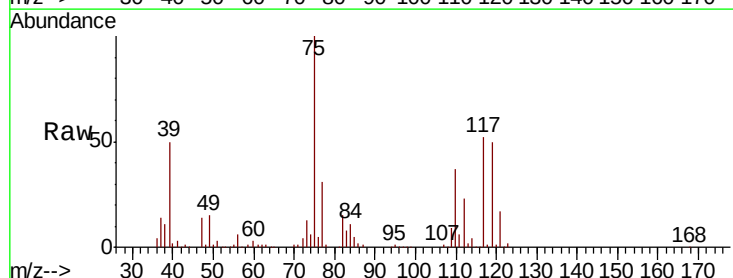
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

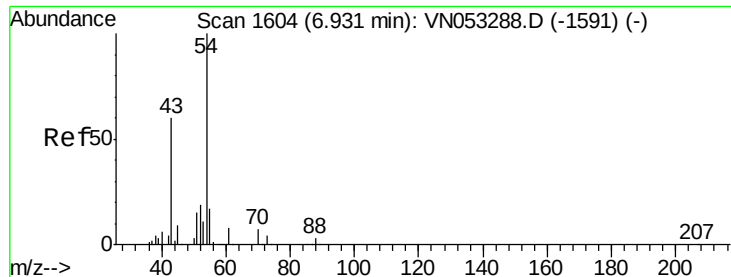
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.4	122.2
192	23.2	17.9	26.9



#36
 1,1-Dichloropropene
 Concen: 49.670 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053332.D
 Acq: 10 Jan 2019 9:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.4	55.0
77	30.8	25.3	37.9

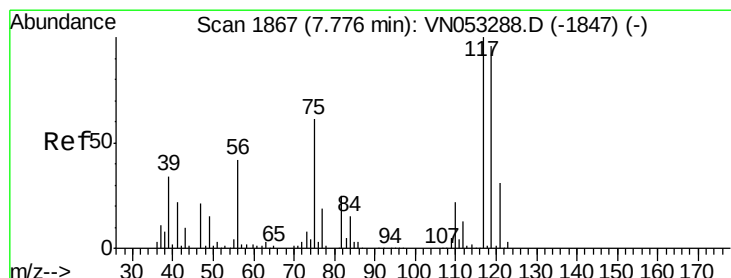
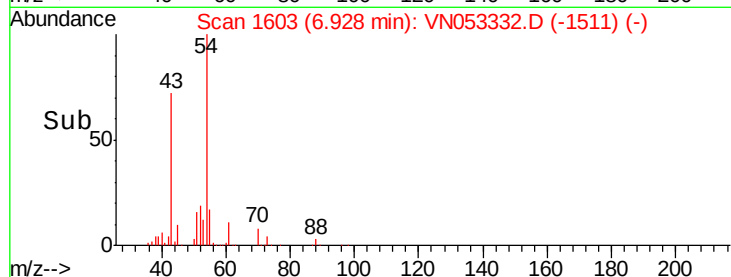
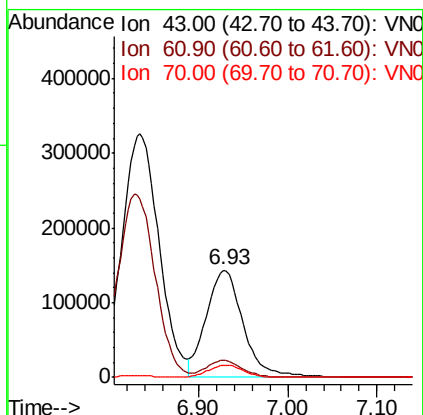
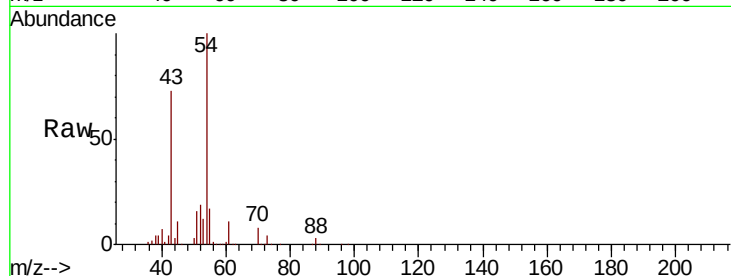




#37
Ethyl Acetate
Concen: 48.623 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053332.D
Acq: 10 Jan 2019 9:30

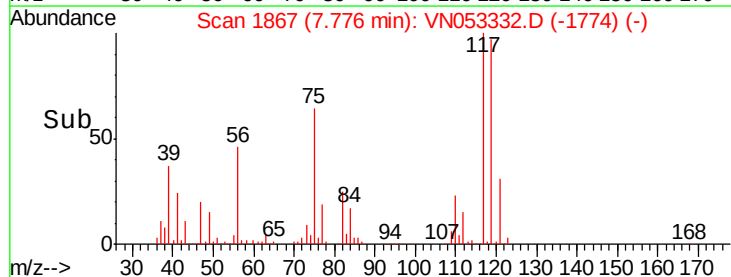
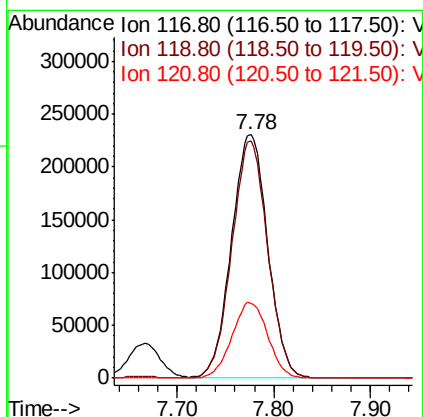
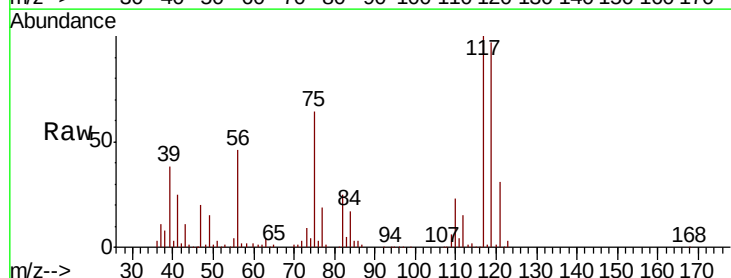
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

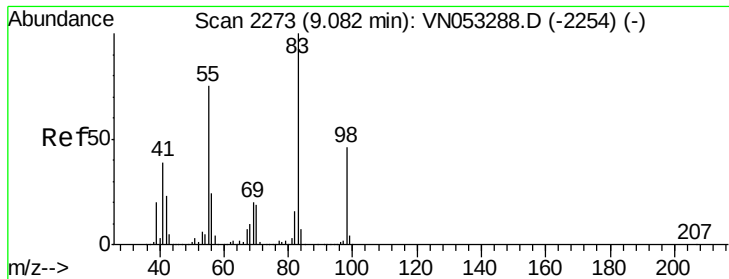
Tgt Ion: 43 Resp: 405353
Ion Ratio Lower Upper
43 100
61 15.1 11.9 17.9
70 11.0 8.6 13.0



#38
Carbon Tetrachloride
Concen: 50.563 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053332.D
Acq: 10 Jan 2019 9:30

Tgt Ion: 117 Resp: 597322
Ion Ratio Lower Upper
117 100
119 97.5 76.6 115.0
121 31.0 25.0 37.4

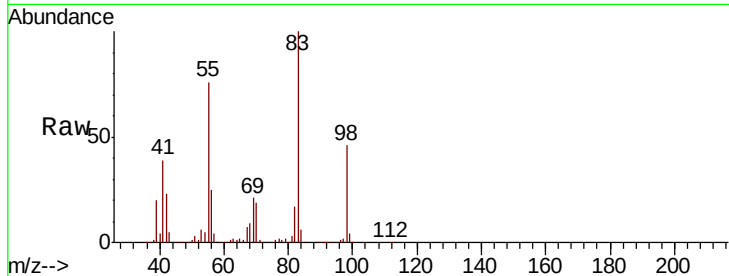




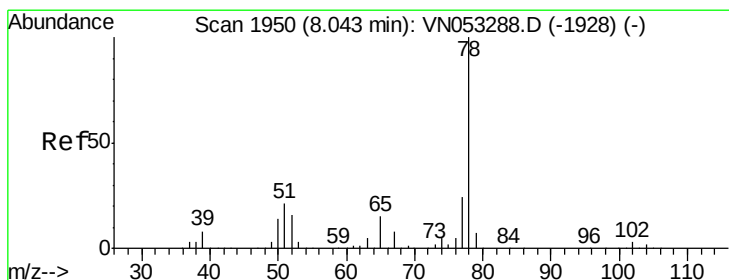
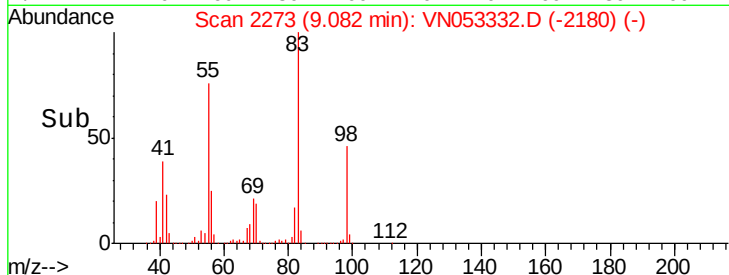
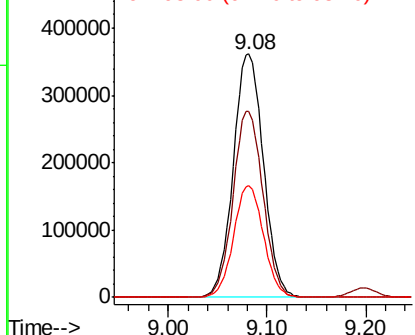
#39
Methylcyclohexane
Concen: 51.751 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053332.D
Acq: 10 Jan 2019 9:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 767342
Ion Ratio Lower Upper
83 100
55 76.2 60.1 90.1
98 46.2 36.7 55.1

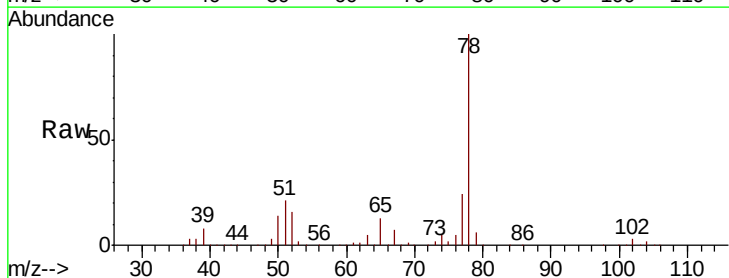


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

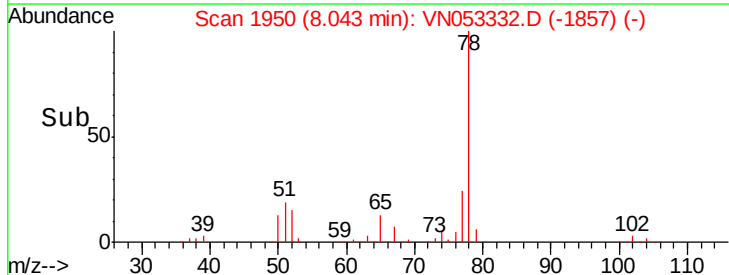
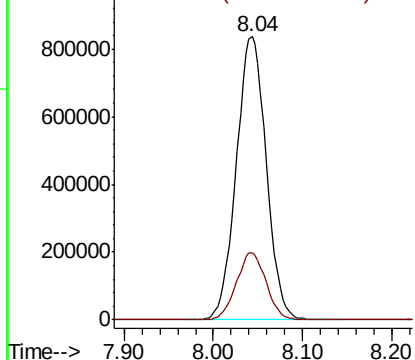


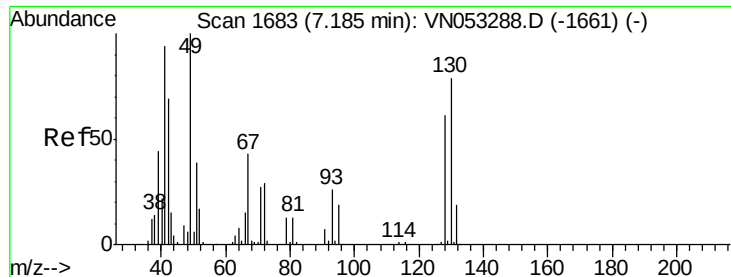
#40
Benzene
Concen: 49.824 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053332.D
Acq: 10 Jan 2019 9:30

Tgt Ion: 78 Resp: 1947893
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

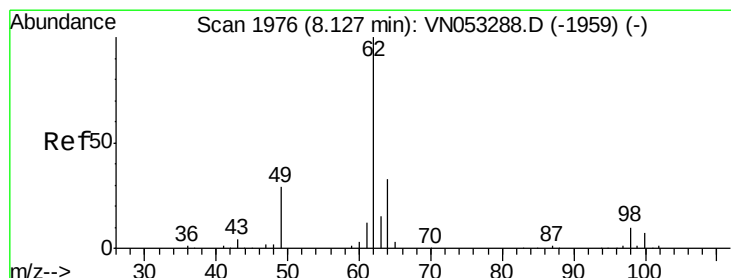
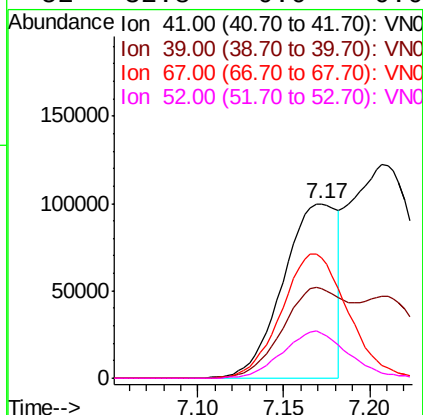
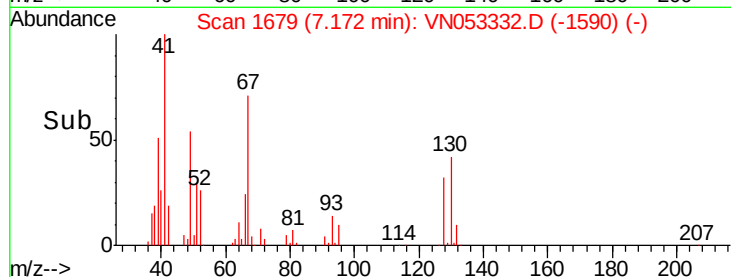
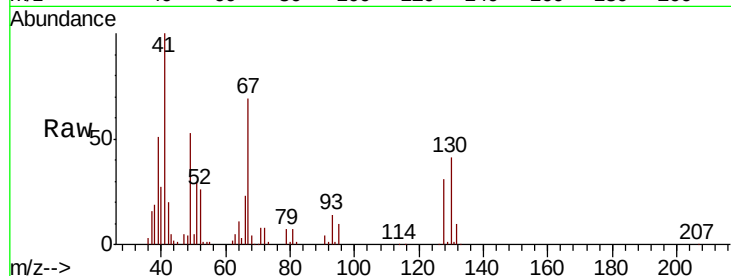




#41
Methacrylonitrile
Concen: 41.993 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN053332.D
Acq: 10 Jan 2019 9:30

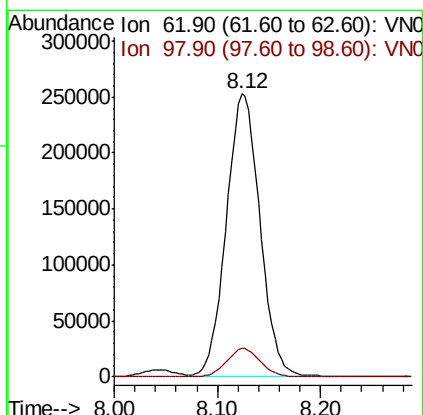
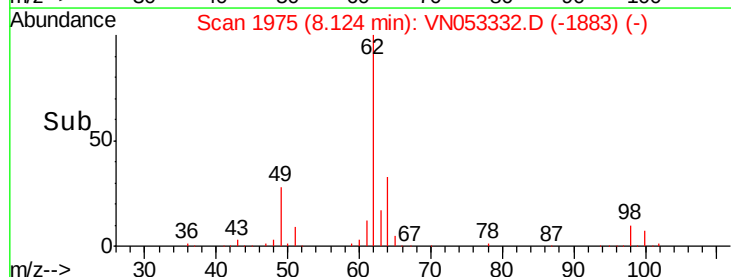
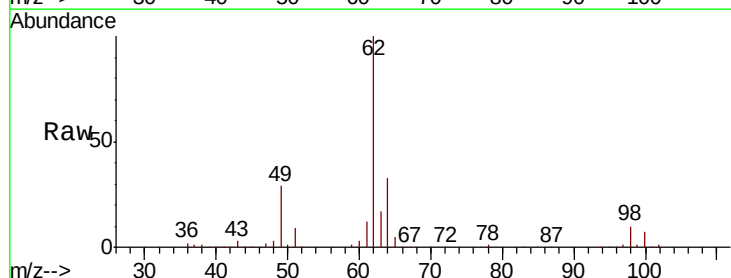
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

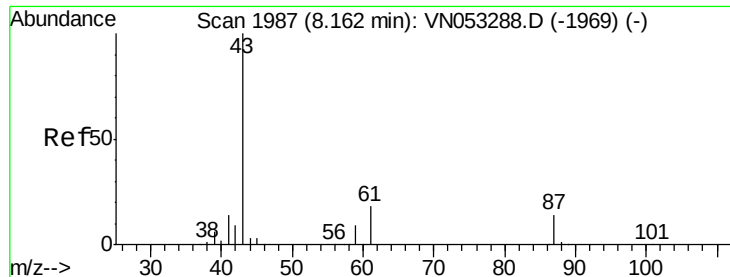
Tgt Ion:	41	Resp:	217345
Ion	Ratio	Lower	Upper
41	100		
39	63.4	0.0	0.0#
67	88.0	0.0	0.0#
52	32.8	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 49.380 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053332.D
Acq: 10 Jan 2019 9:30

Tgt Ion:	62	Resp:	572645
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2





#43

Isopropyl Acetate

Concen: 44.640 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

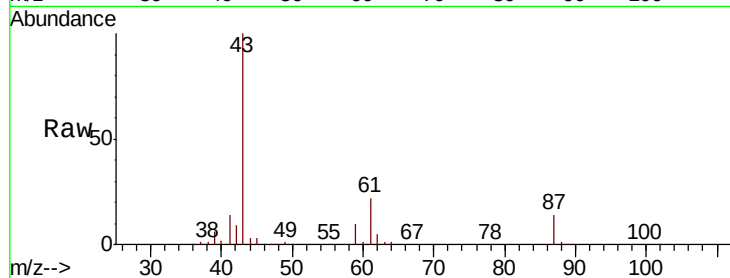
Tgt Ion: 43 Resp: 732099

Ion Ratio Lower Upper

43 100

61 30.0 23.3 34.9

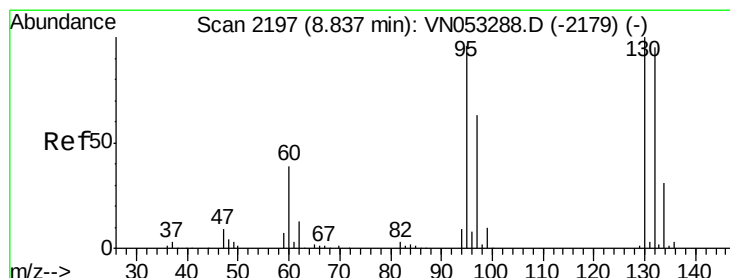
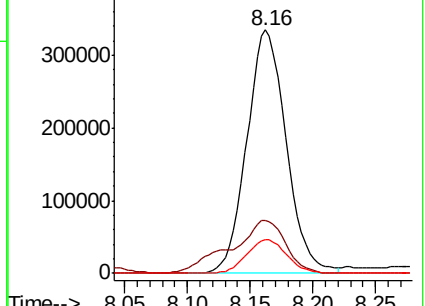
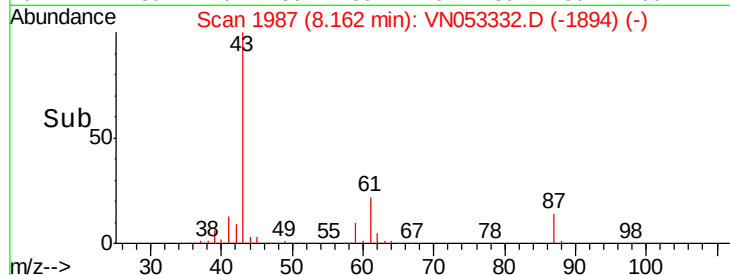
87 14.0 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VN053332.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN053332.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN053332.D (-1894) (-)



#44

Trichloroethene

Concen: 49.947 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053332.D

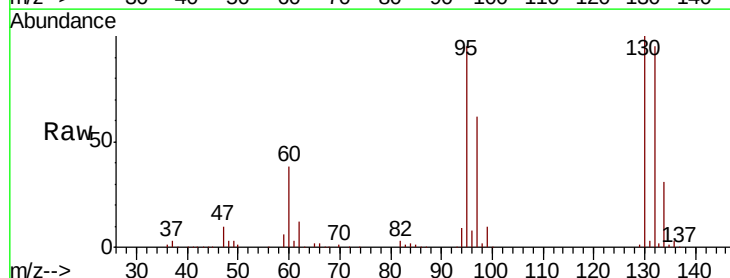
Acq: 10 Jan 2019 9:30

Tgt Ion: 130 Resp: 536183

Ion Ratio Lower Upper

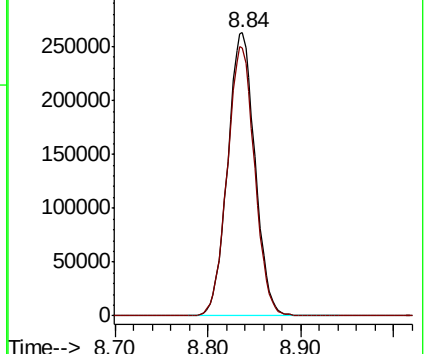
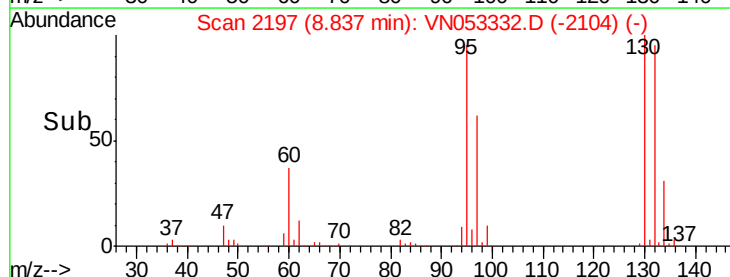
130 100

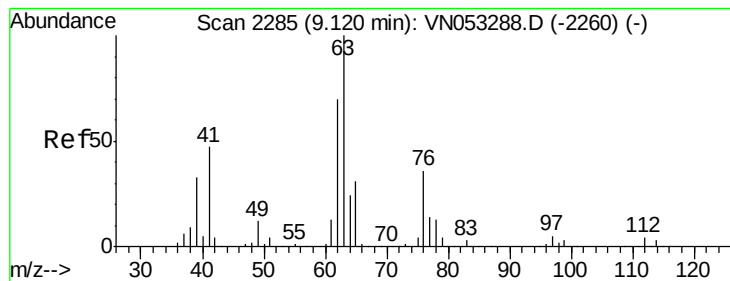
95 94.9 0.0 191.8



Abundance Ion 129.80 (129.50 to 130.50): VN053332.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN053332.D (-2104) (-)





#45

1,2-Dichloropropane

Concen: 50.117 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

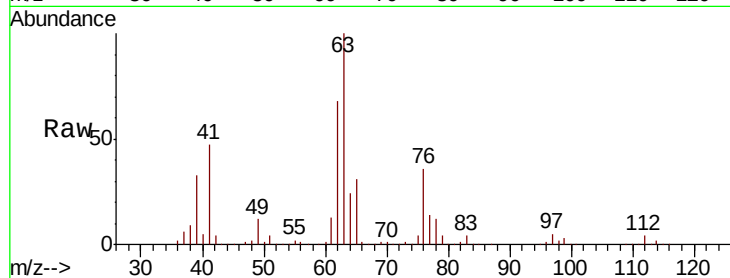
VSTDCCC050

Tgt Ion: 63 Resp: 513889

Ion Ratio Lower Upper

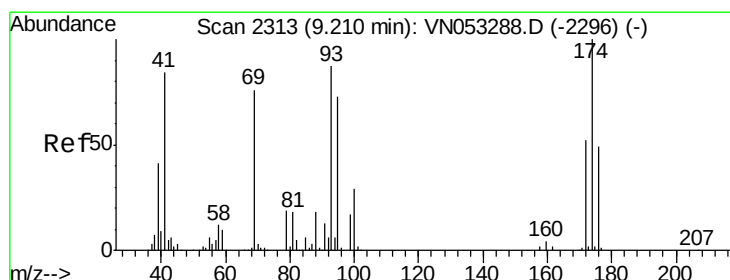
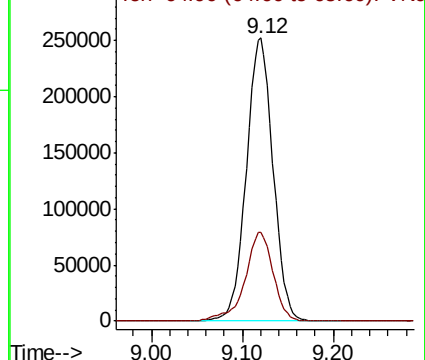
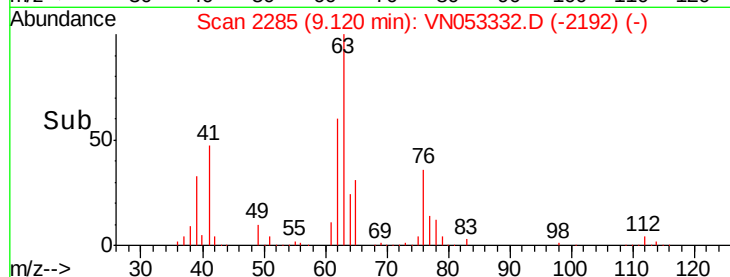
63 100

65 31.3 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN053332.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN053332.D (-2192) (-)



#46

Dibromomethane

Concen: 49.684 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

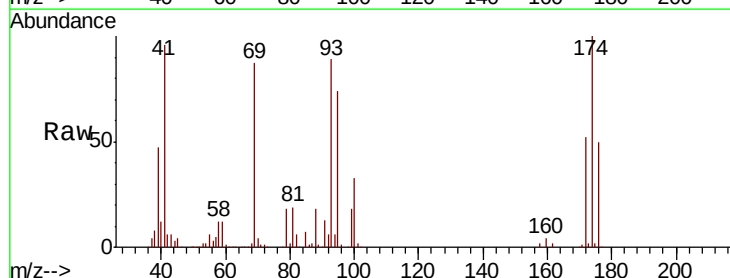
Tgt Ion: 93 Resp: 297046

Ion Ratio Lower Upper

93 100

95 84.0 66.6 100.0

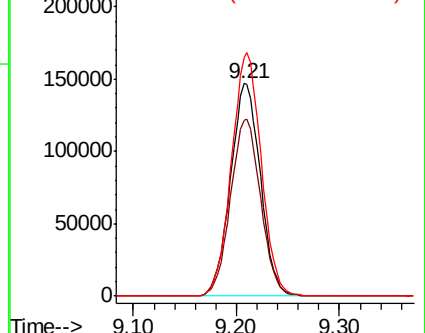
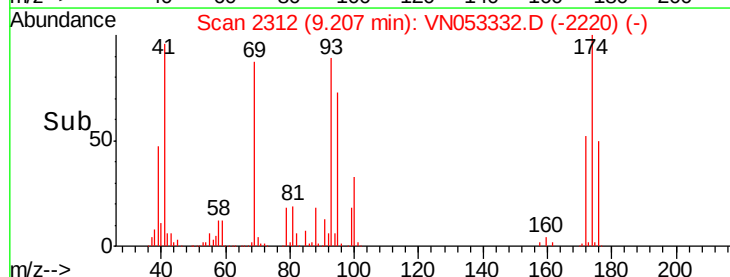
174 114.1 91.4 137.0

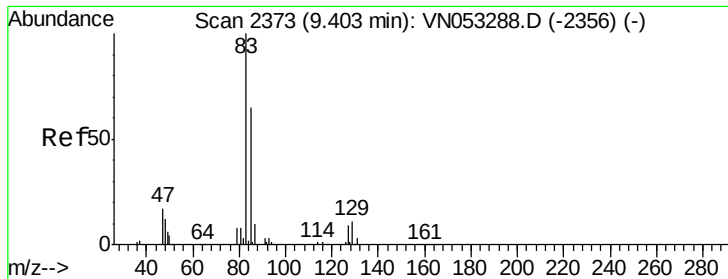


Abundance Ion 92.80 (92.50 to 93.50): VN053332.D (-2220) (-)

Ion 94.80 (94.50 to 95.50): VN053332.D (-2220) (-)

Ion 173.70 (173.40 to 174.40): VN053332.D (-2220) (-)





#47

Bromodichloromethane

Concen: 50.822 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

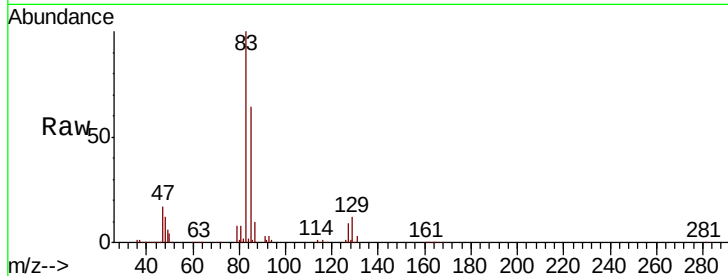
Tgt Ion: 83 Resp: 633195

Ion Ratio Lower Upper

83 100

85 63.6 51.7 77.5

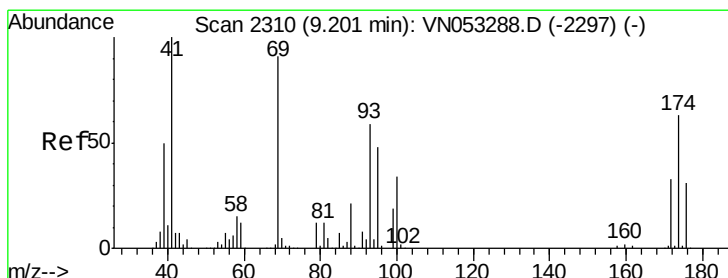
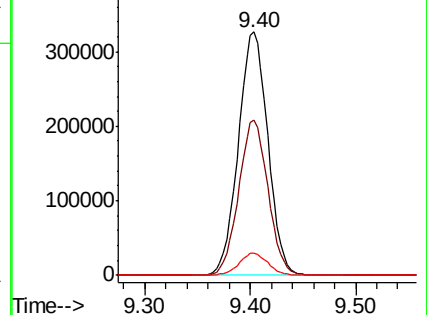
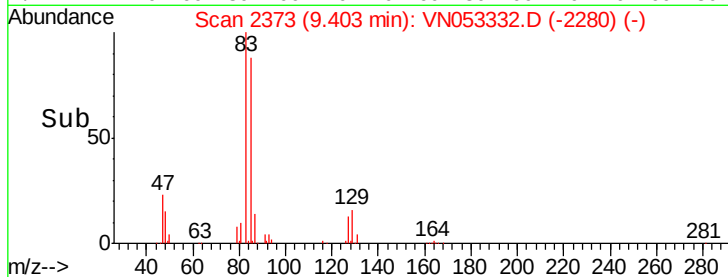
127 9.0 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN053332.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053332.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053332.D (-2280) (-)



#48

Methyl methacrylate

Concen: 49.417 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

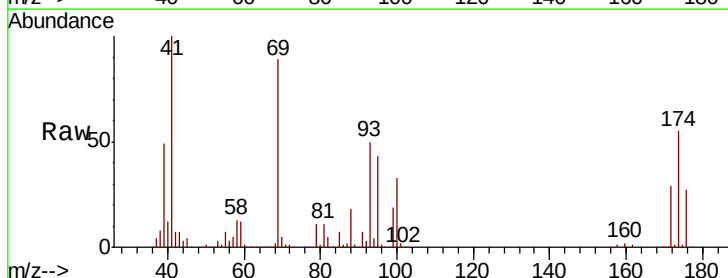
Tgt Ion: 41 Resp: 368196

Ion Ratio Lower Upper

41 100

69 92.2 73.5 110.3

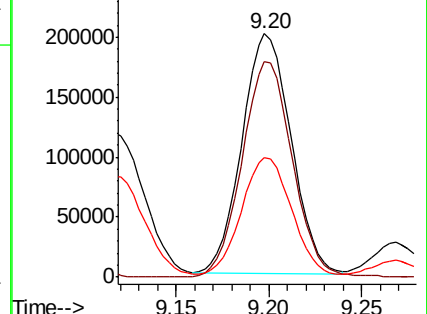
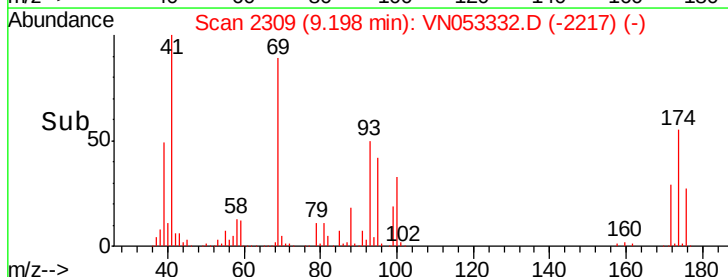
39 51.5 41.6 62.4

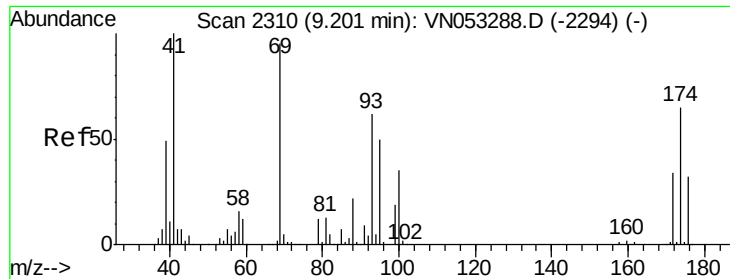


Abundance Ion 41.00 (40.70 to 41.70): VN053332.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN053332.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN053332.D (-2217) (-)





#49

1,4-Dioxane

Concen: 931.206 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

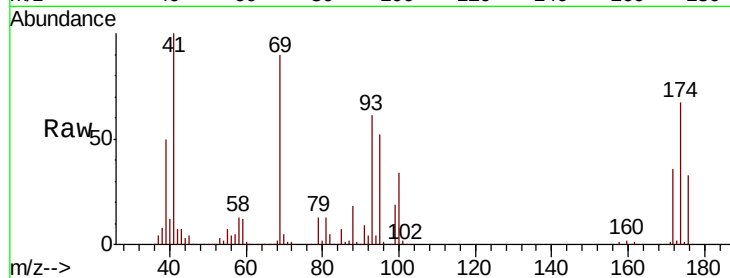
Tgt Ion: 88 Resp: 73922

Ion Ratio Lower Upper

88 100

43 33.4 26.2 39.4

58 70.2 55.5 83.3

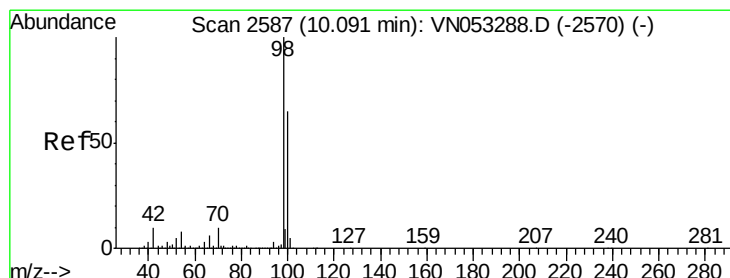
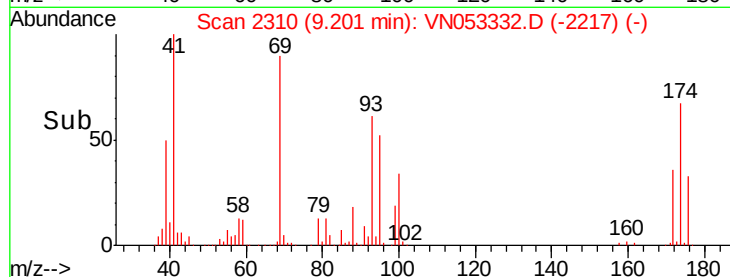
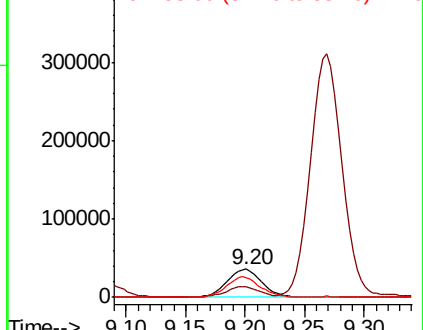


Abundance

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: 931.206 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053332.D

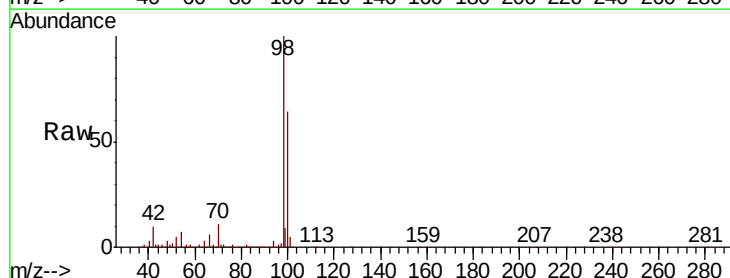
Acq: 10 Jan 2019 9:30

Tgt Ion: 98 Resp: 1617798

Ion Ratio Lower Upper

98 100

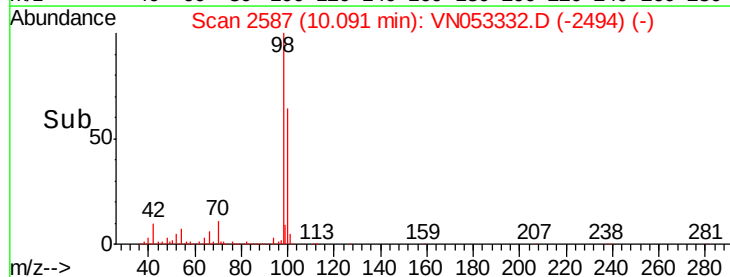
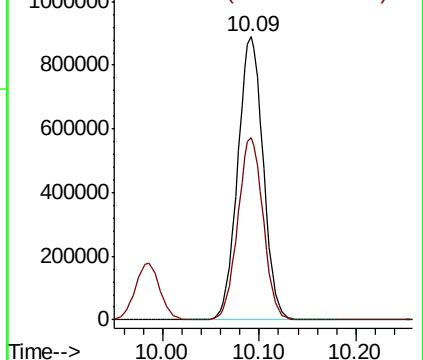
100 64.2 51.5 77.3

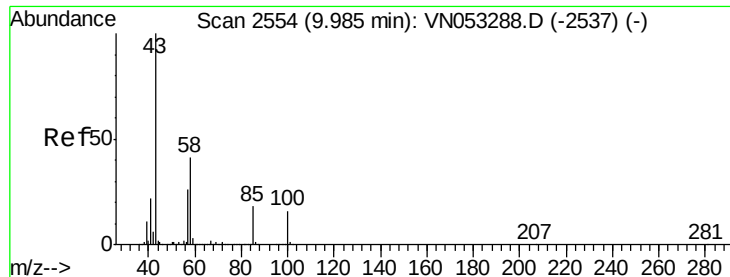


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

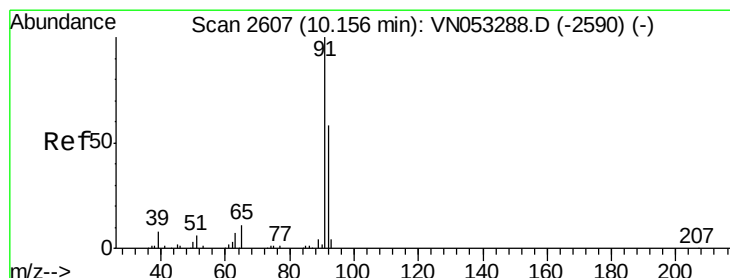
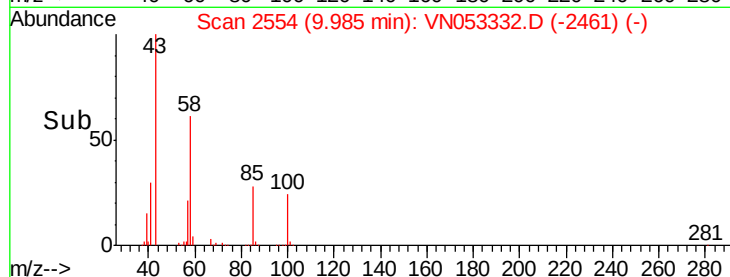
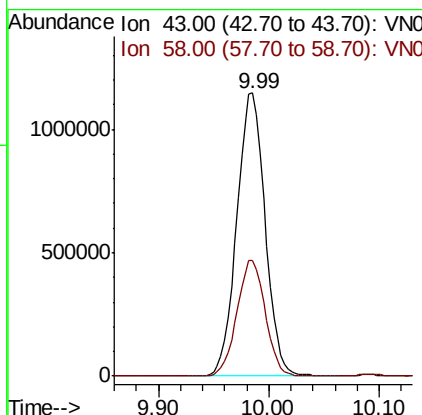
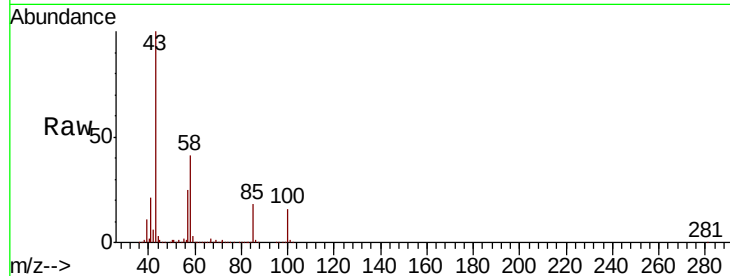




#51
 4-Methyl-2-Pentanone
 Concen: 247.279 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053332.D
 Acq: 10 Jan 2019 9:30

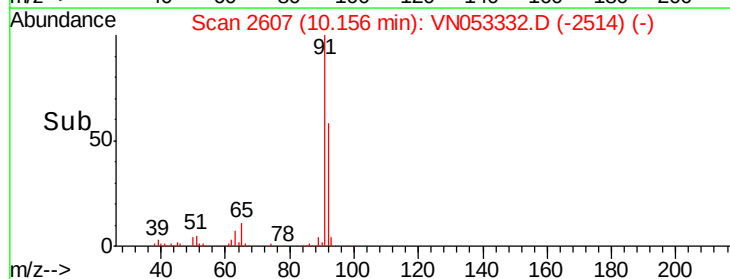
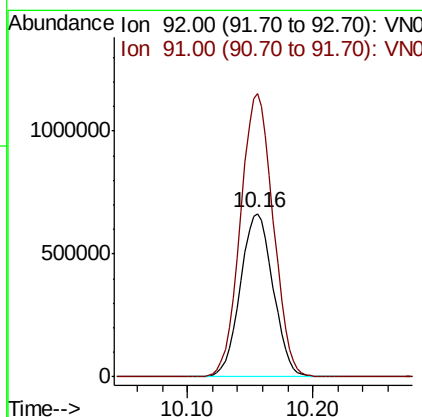
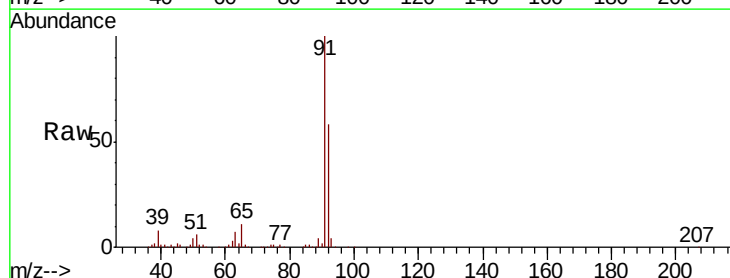
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

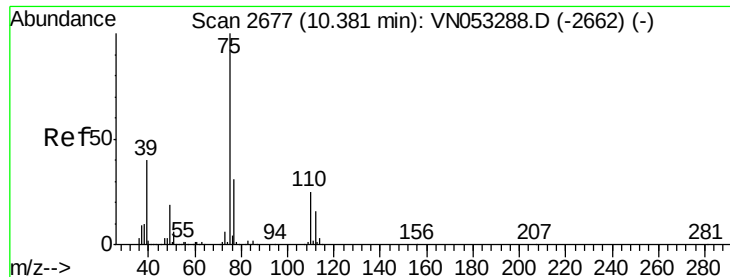
Tgt Ion: 43 Resp: 2039399
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.7 49.1



#52
 Toluene
 Concen: 50.278 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053332.D
 Acq: 10 Jan 2019 9:30

Tgt Ion: 92 Resp: 1205916
 Ion Ratio Lower Upper
 92 100
 91 173.7 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 51.560 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

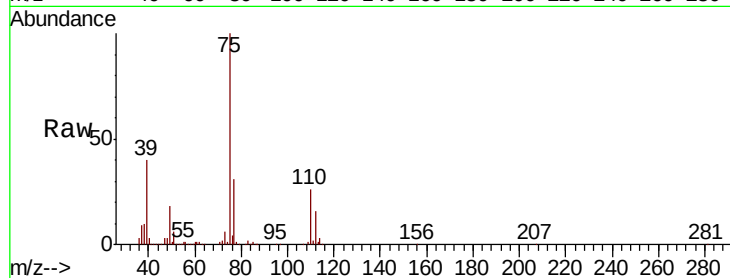
VSTDCCC050

Tgt Ion: 75 Resp: 657155

Ion Ratio Lower Upper

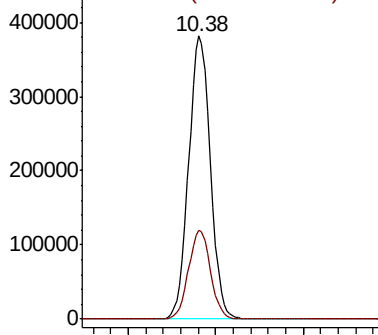
75 100

77 31.2 25.0 37.4

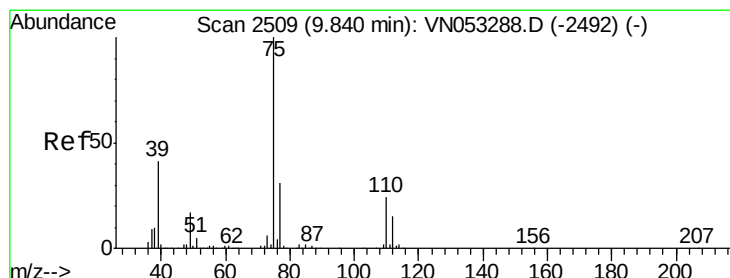
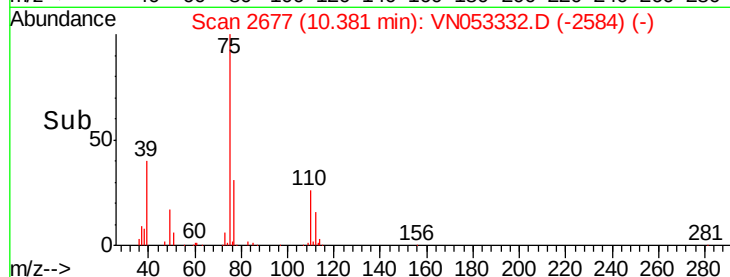


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.770 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

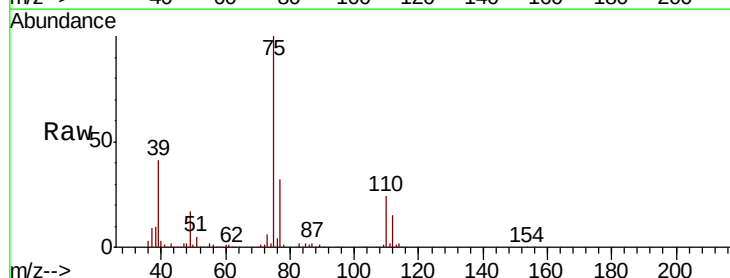
Tgt Ion: 75 Resp: 762489

Ion Ratio Lower Upper

75 100

77 32.1 25.1 37.7

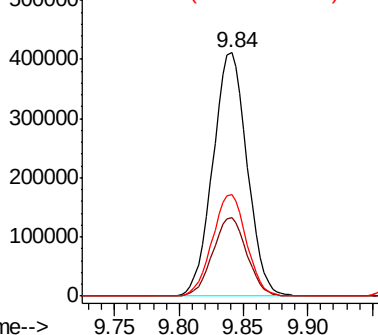
39 41.4 33.1 49.7



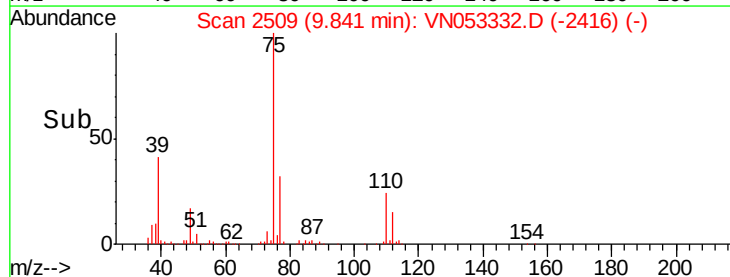
Abundance Ion 74.90 (74.60 to 75.60): VN0

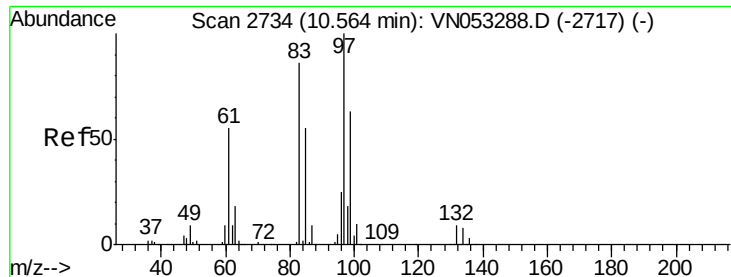
Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->





#55

1,1,2-Trichloroethane

Concen: 49.385 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 435533

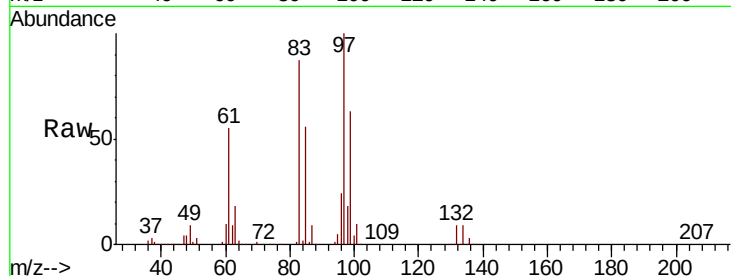
Ion Ratio Lower Upper

97 100

83 87.0 69.1 103.7

85 56.5 44.2 66.4

99 63.4 50.3 75.5

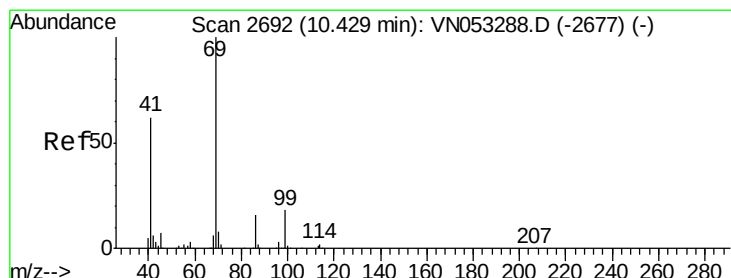
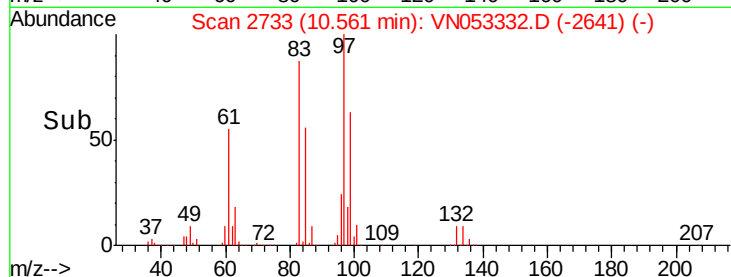
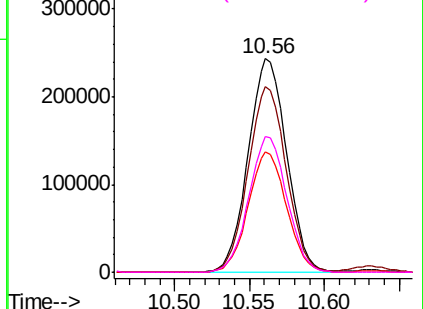


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 51.249 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

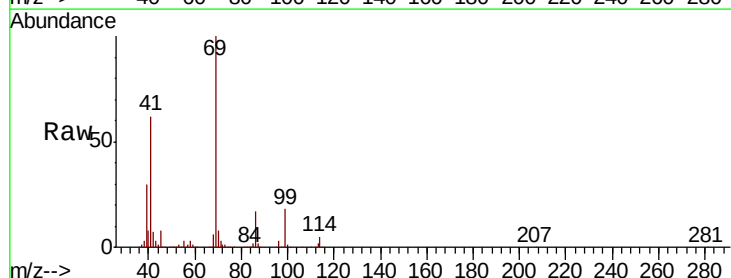
Tgt Ion: 69 Resp: 587351

Ion Ratio Lower Upper

69 100

41 61.8 49.2 73.8

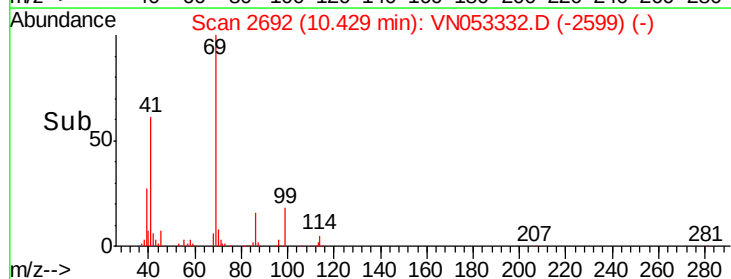
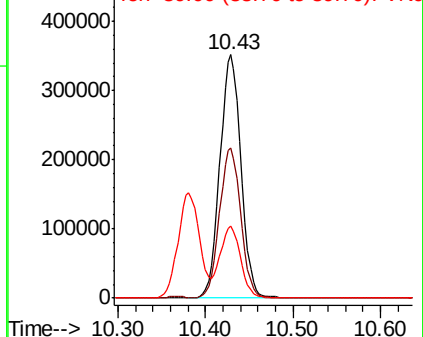
39 28.8 23.4 35.0

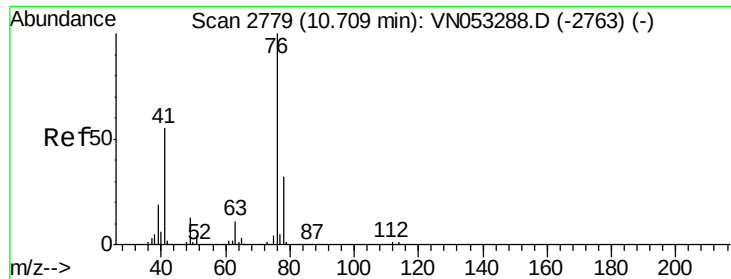


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

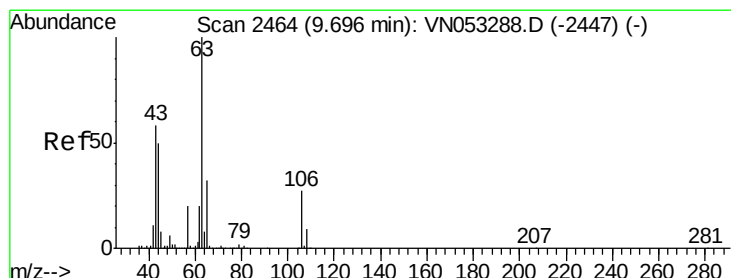
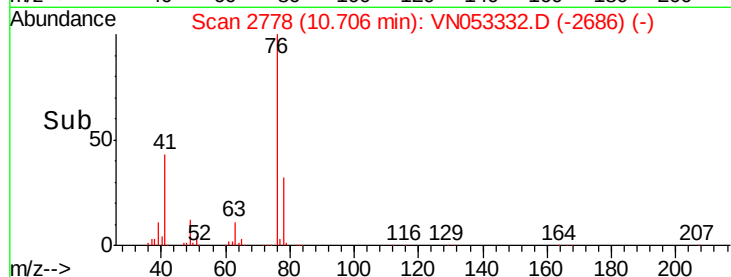
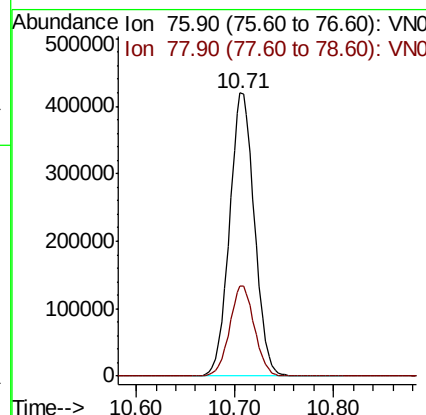
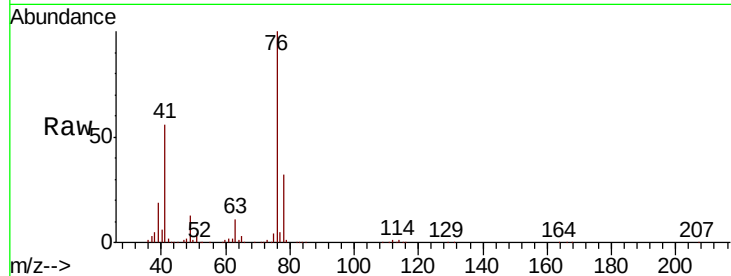




#57
 1,3-Dichloropropane
 Concen: 50.274 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053332.D
 Acq: 10 Jan 2019 9:30

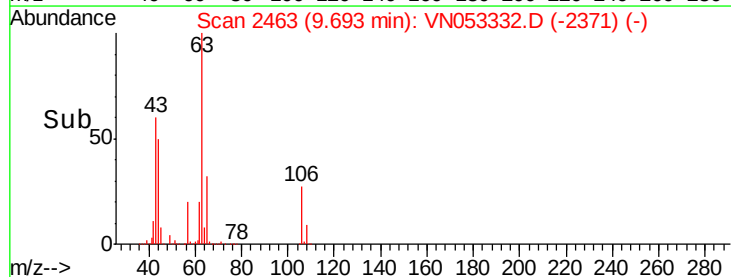
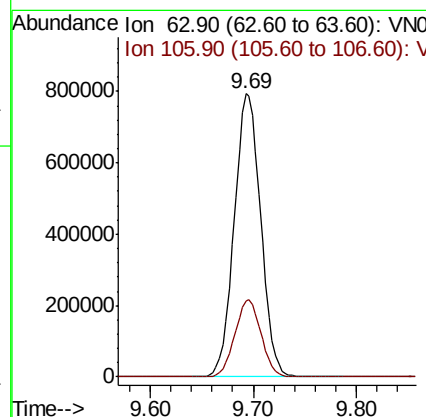
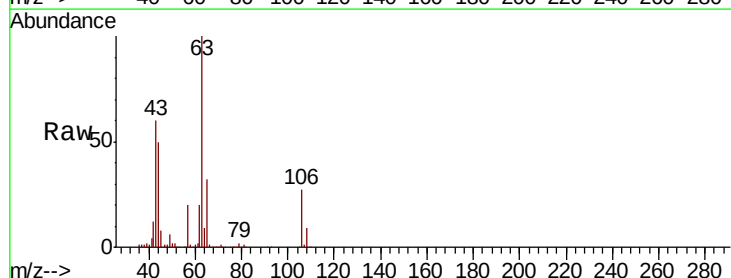
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

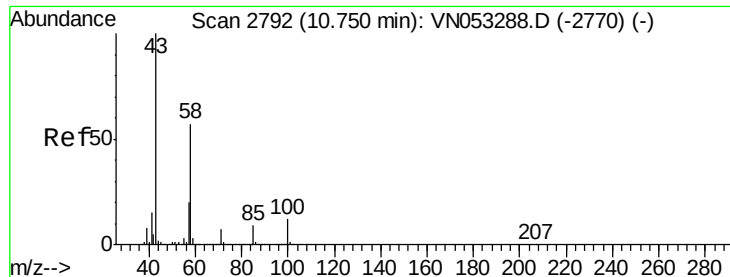
Tgt Ion: 76 Resp: 741455
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 228.968 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN053332.D
 Acq: 10 Jan 2019 9:30

Tgt Ion: 63 Resp: 1418659
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.7 32.5

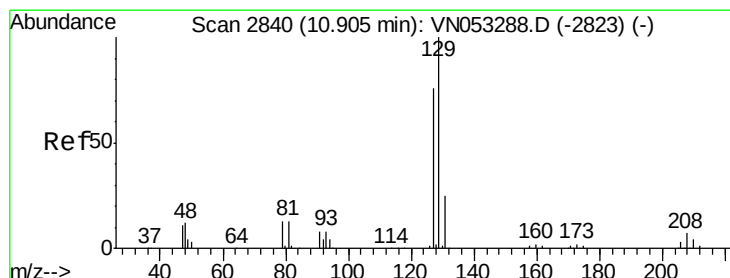
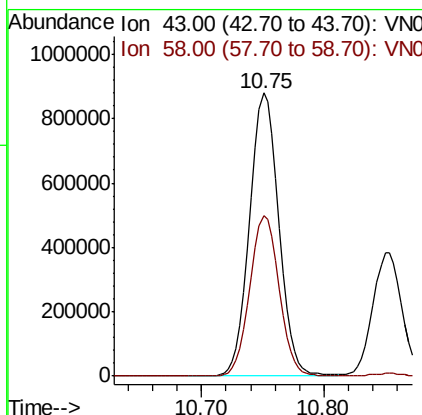
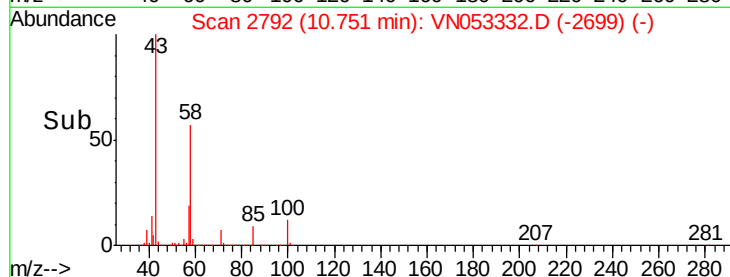
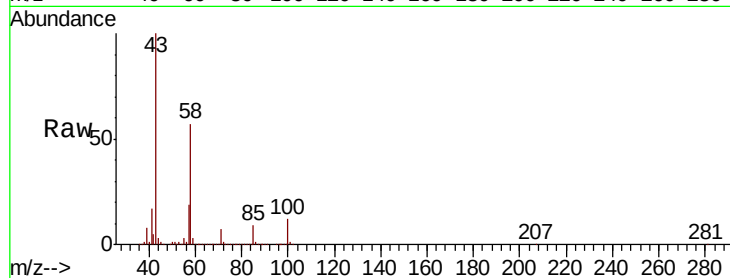




#59
2-Hexanone
Concen: 255.448 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053332.D
Acq: 10 Jan 2019 9:30

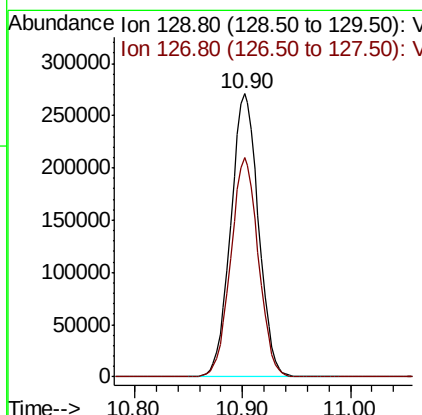
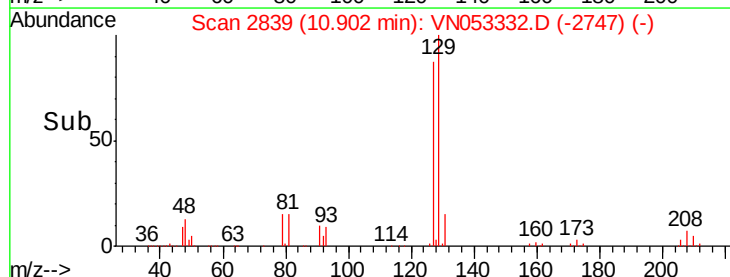
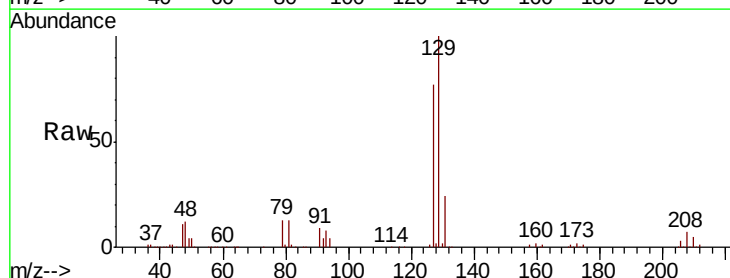
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

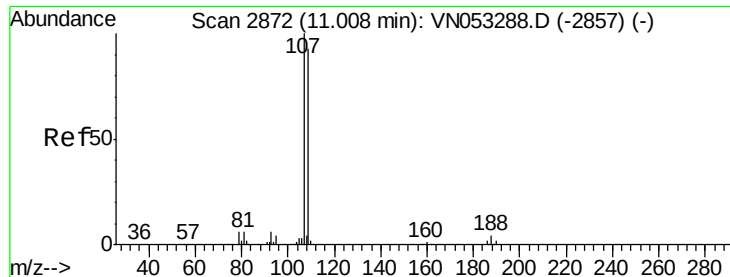
Tgt Ion: 43 Resp: 1443476
Ion Ratio Lower Upper
43 100
58 57.0 28.3 85.0



#60
Dibromochloromethane
Concen: 51.018 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053332.D
Acq: 10 Jan 2019 9:30

Tgt Ion: 129 Resp: 485290
Ion Ratio Lower Upper
129 100
127 77.3 38.4 115.2





#61

1,2-Dibromoethane

Concen: 50.185 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

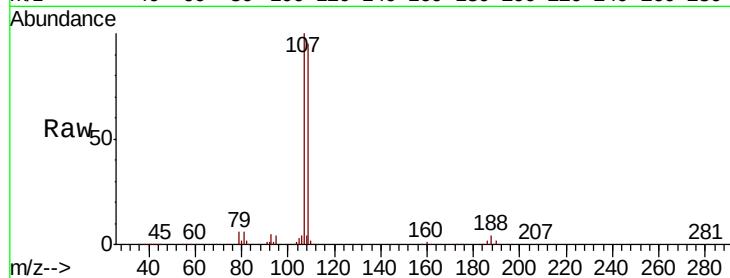
VSTDCCC050

Tgt Ion: 107 Resp: 436757

Ion Ratio Lower Upper

107 100

109 94.5 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

250000

200000

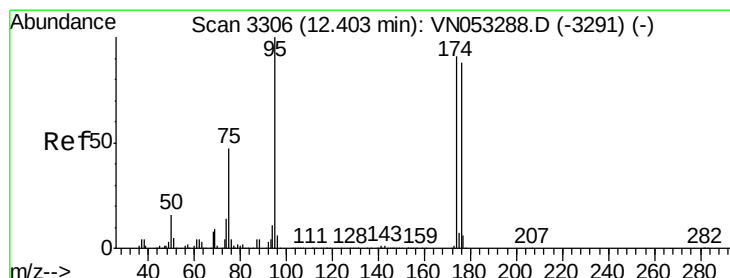
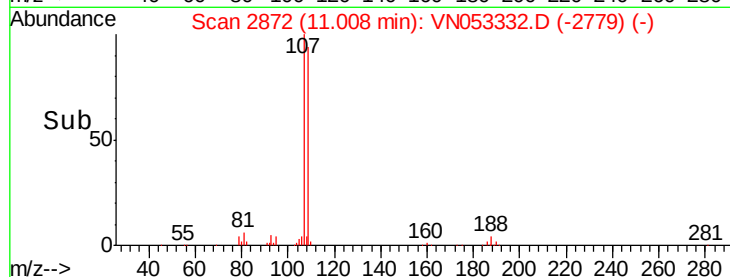
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 50.185 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

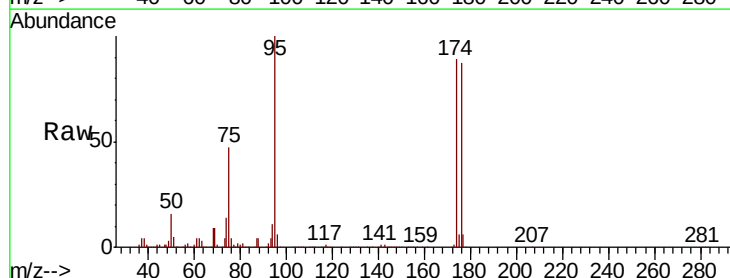
Tgt Ion: 95 Resp: 570181

Ion Ratio Lower Upper

95 100

174 90.5 0.0 180.4

176 88.5 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

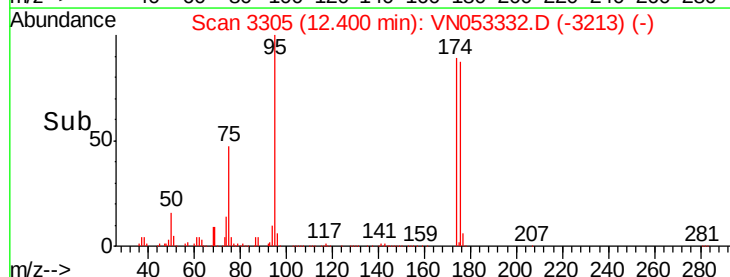
300000

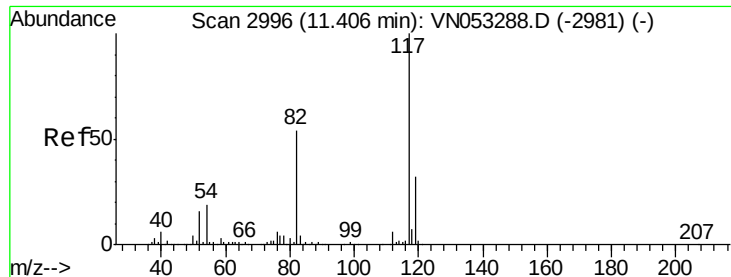
200000

100000

0

Time--> 12.30 12.35 12.40 12.45

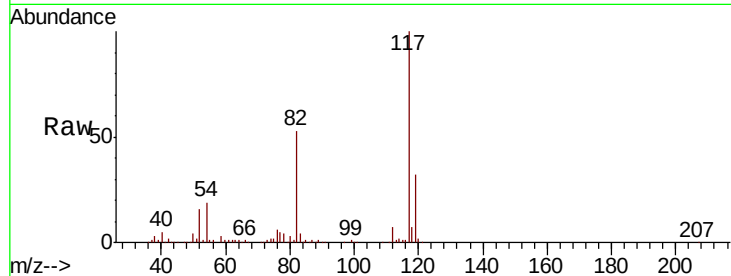




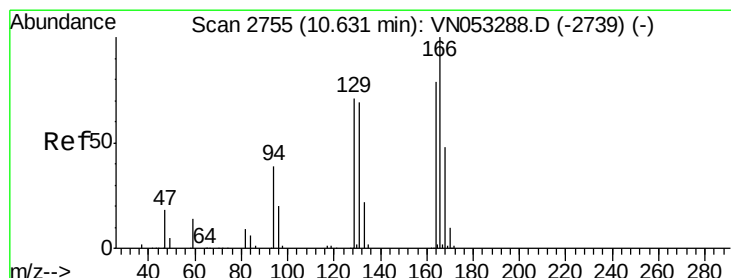
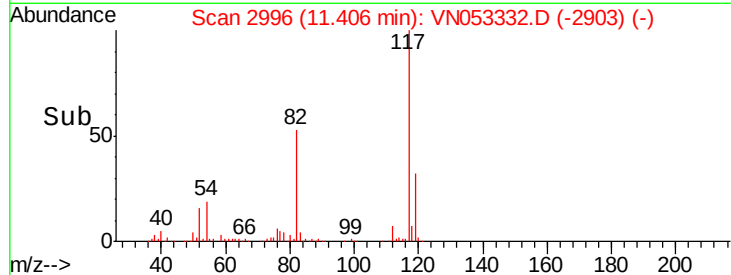
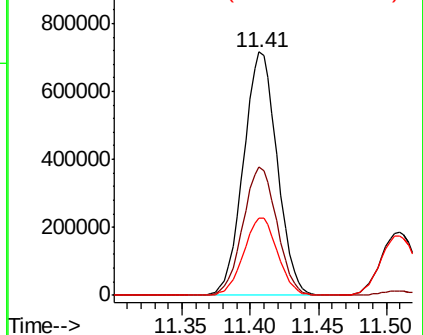
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053332.D
Acq: 10 Jan 2019 9:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 1227814
Ion Ratio Lower Upper
117 100
82 52.5 42.9 64.3
119 31.9 25.6 38.4

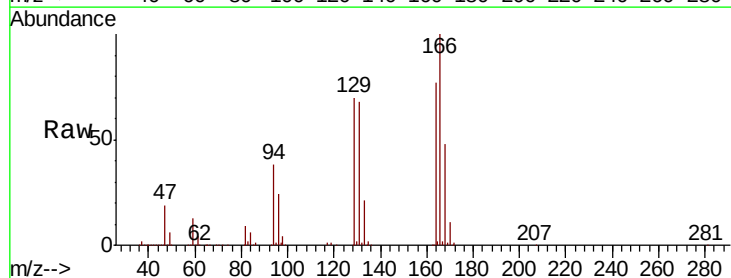


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

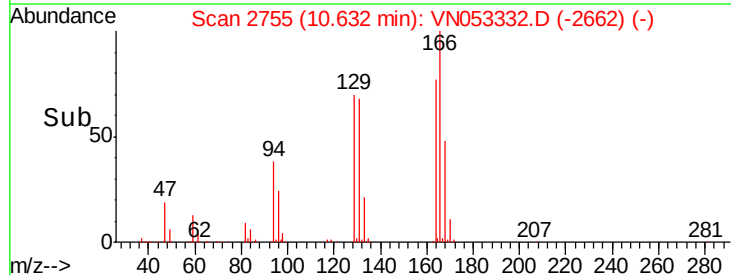
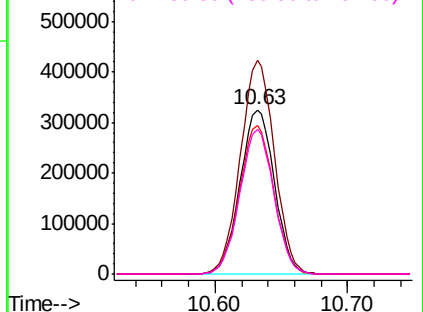


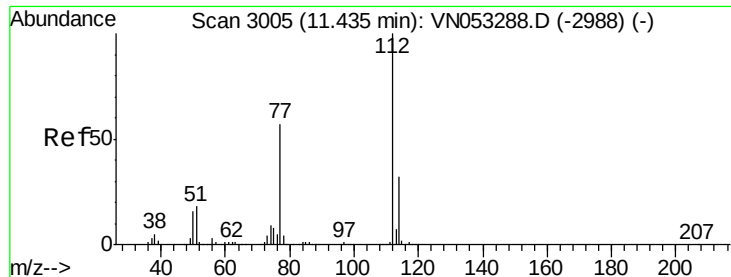
#64
Tetrachloroethene
Concen: 50.618 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053332.D
Acq: 10 Jan 2019 9:30

Tgt Ion:164 Resp: 584950
Ion Ratio Lower Upper
164 100
166 130.0 101.7 152.5
129 90.5 72.1 108.1
131 87.8 69.9 104.9



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

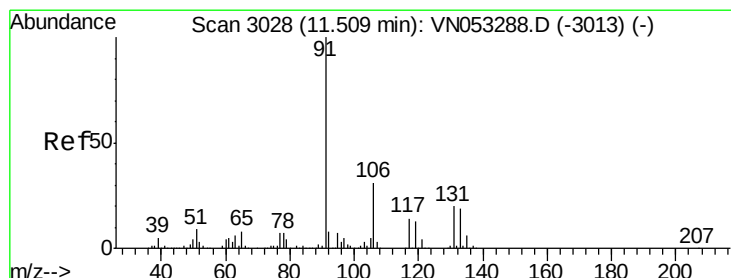
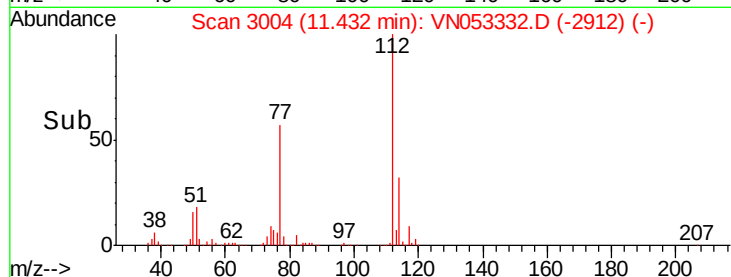
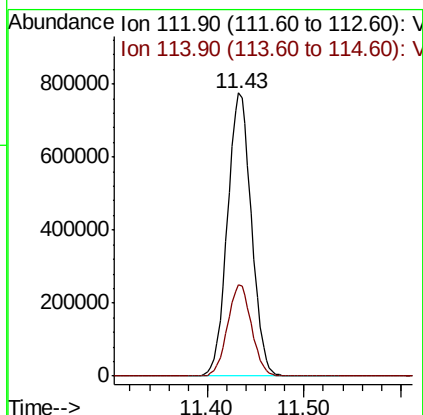
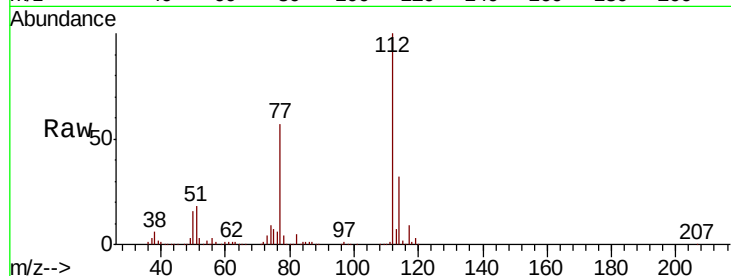




#65
Chlorobenzene
Concen: 49.899 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053332.D
Acq: 10 Jan 2019 9:30

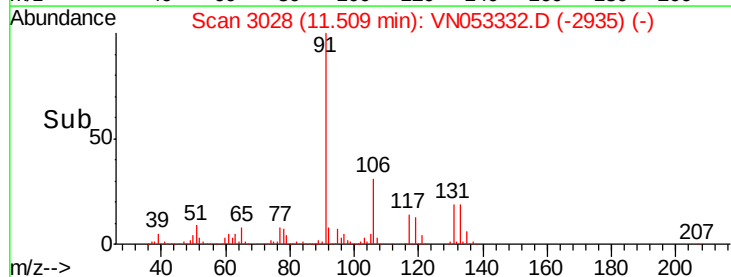
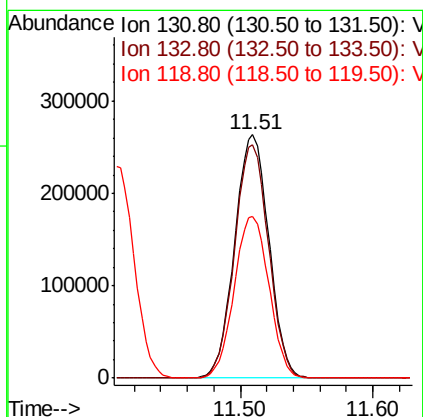
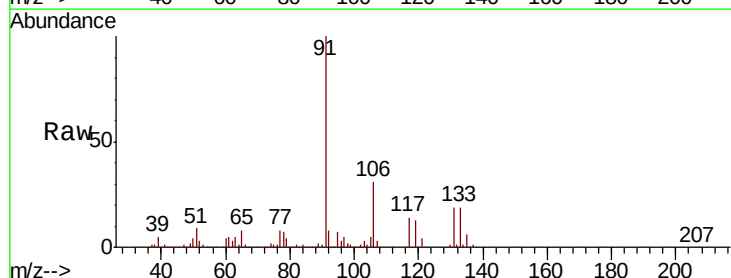
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

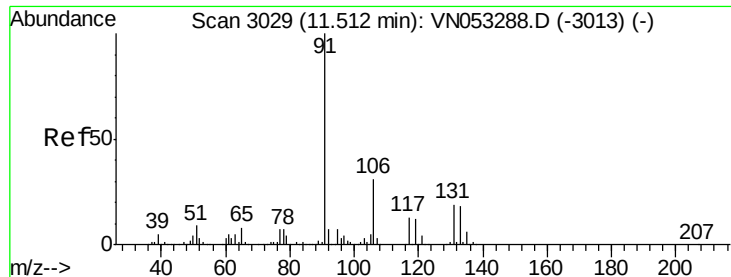
Tgt Ion:112 Resp: 1330942
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 50.582 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053332.D
Acq: 10 Jan 2019 9:30

Tgt Ion:131 Resp: 472222
Ion Ratio Lower Upper
131 100
133 95.3 48.0 144.0
119 67.4 33.3 99.9





#67

Ethyl Benzene

Concen: 50.783 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

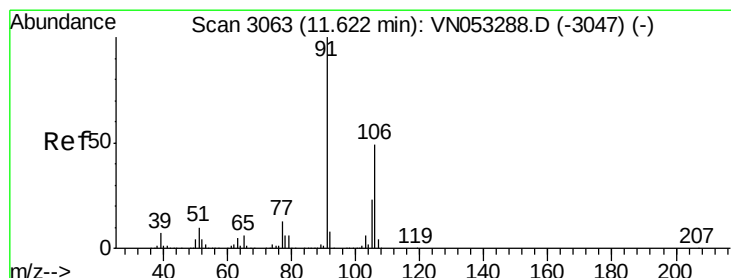
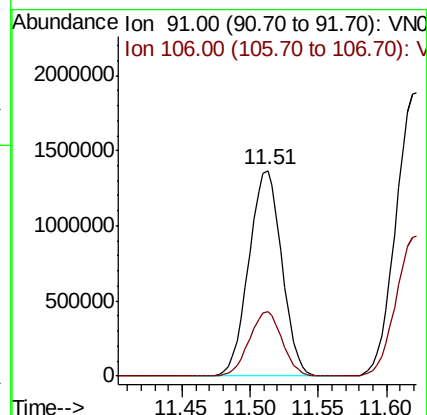
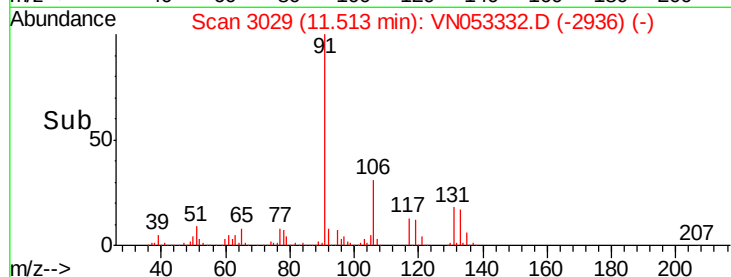
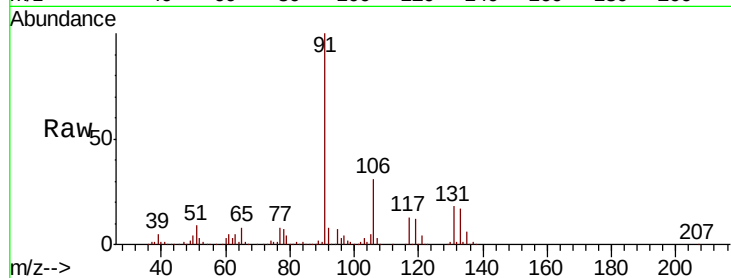
VSTDCCC050

Tgt Ion: 91 Resp: 2301653

Ion Ratio Lower Upper

91 100

106 31.1 25.0 37.4



#68

m/p-Xylenes

Concen: 102.701 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053332.D

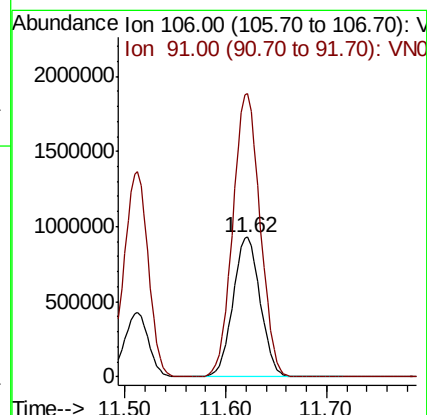
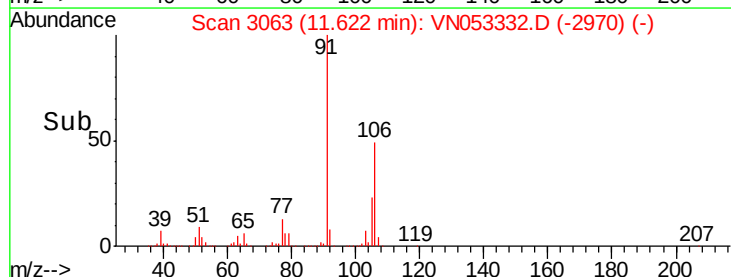
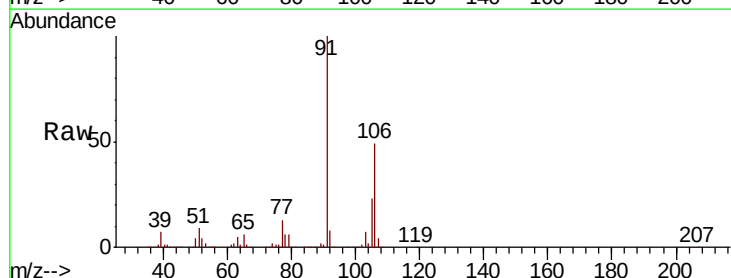
Acq: 10 Jan 2019 9:30

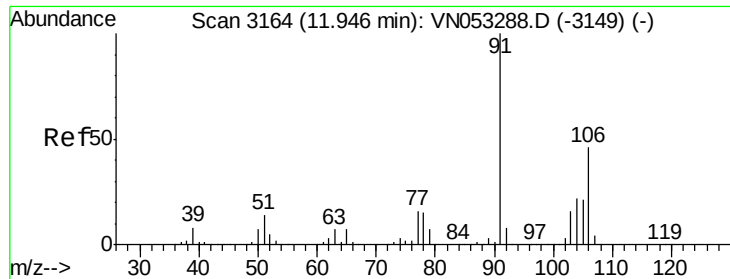
Tgt Ion: 106 Resp: 1750296

Ion Ratio Lower Upper

106 100

91 202.8 161.4 242.2

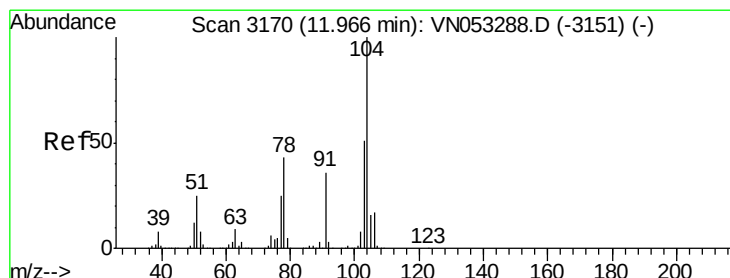
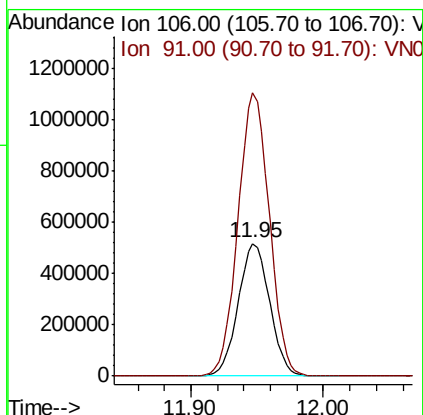
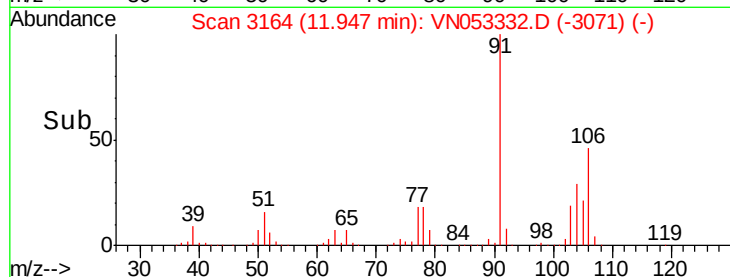
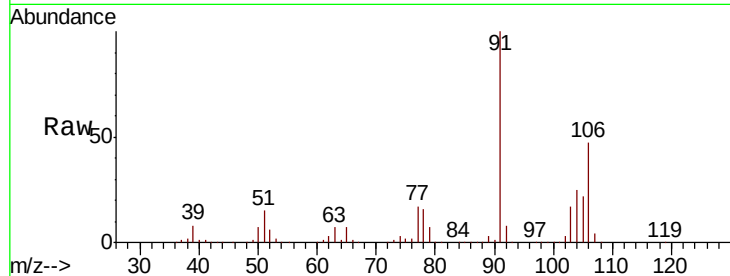




#69
o-Xylene
Concen: 51.187 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053332.D
Acq: 10 Jan 2019 9:30

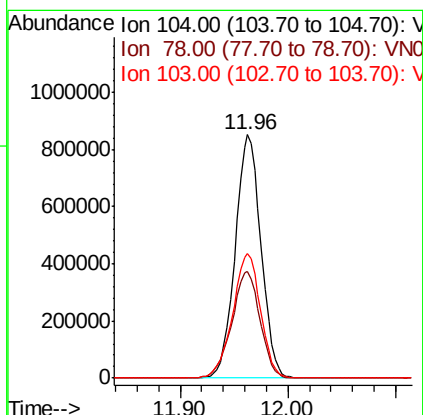
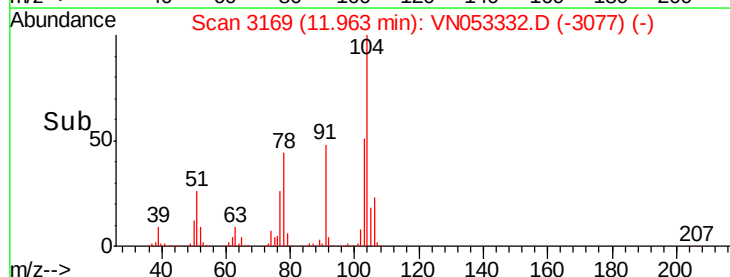
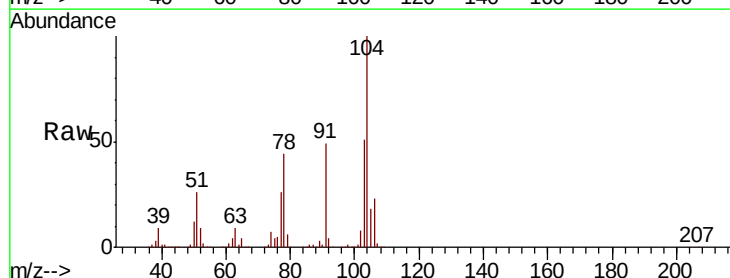
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

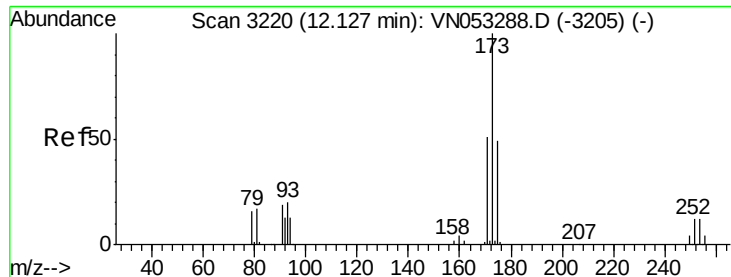
Tgt Ion:106 Resp: 854052
Ion Ratio Lower Upper
106 100
91 213.2 106.8 320.4



#70
Styrene
Concen: 52.244 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053332.D
Acq: 10 Jan 2019 9:30

Tgt Ion:104 Resp: 1418663
Ion Ratio Lower Upper
104 100
78 47.9 38.5 57.7
103 55.3 44.5 66.7

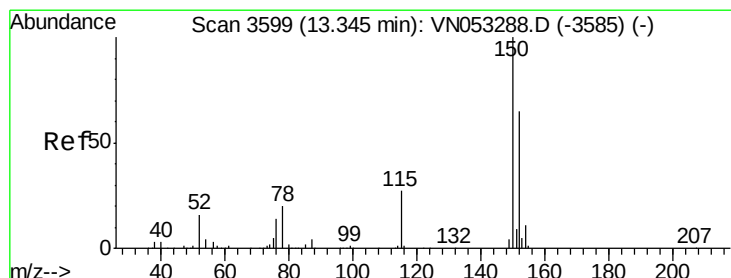
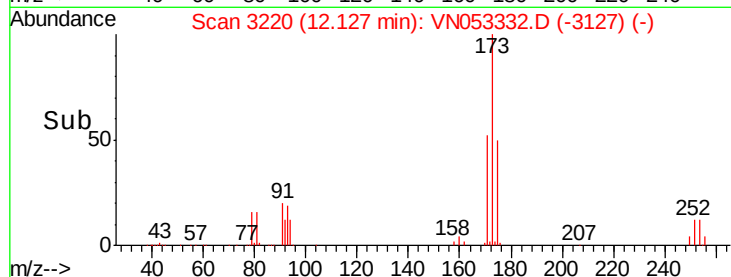
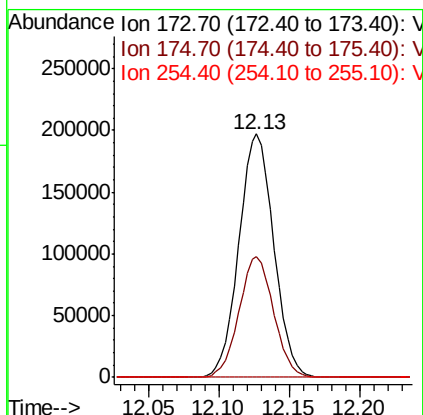
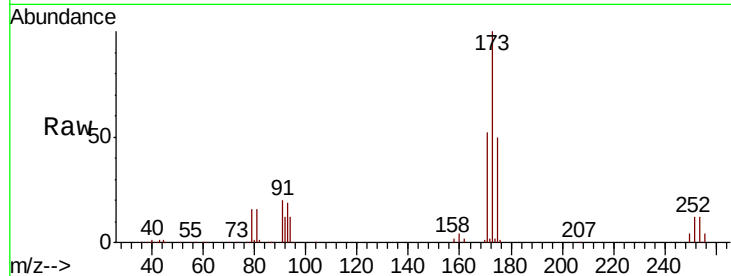




#71
Bromoform
Concen: 51.807 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053332.D
Acq: 10 Jan 2019 9:30

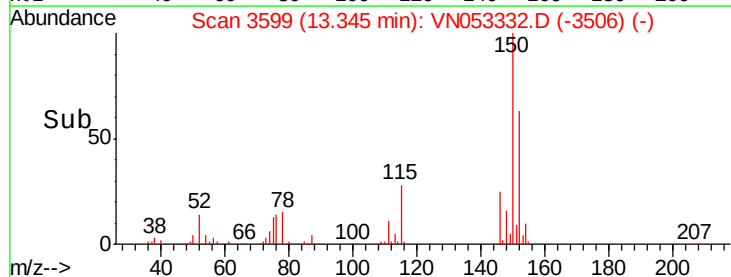
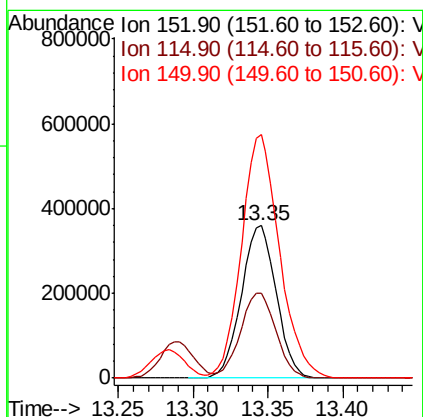
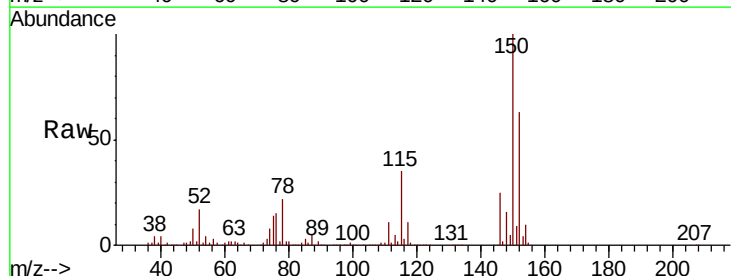
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

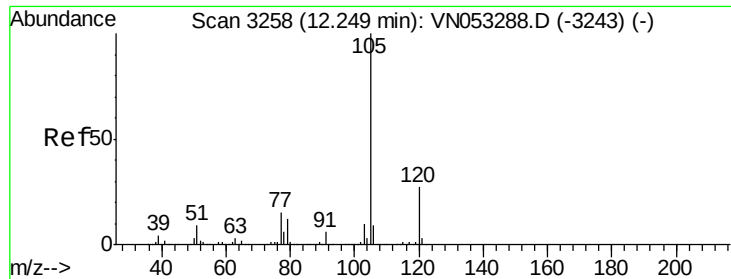
Tgt Ion:173 Resp: 341627
Ion Ratio Lower Upper
173 100
175 49.3 24.3 72.8
254 0.1 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053332.D
Acq: 10 Jan 2019 9:30

Tgt Ion:152 Resp: 583536
Ion Ratio Lower Upper
152 100
115 56.5 28.0 84.0
150 173.9 0.0 346.6





#73

Isopropylbenzene

Concen: 52.083 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

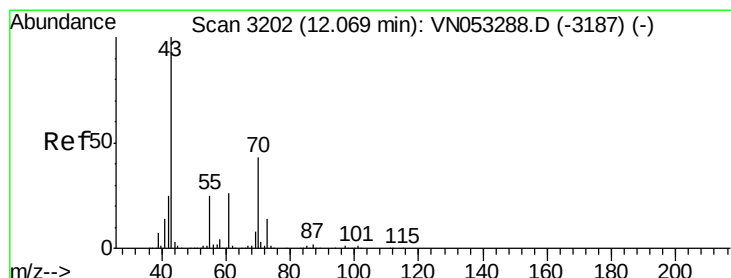
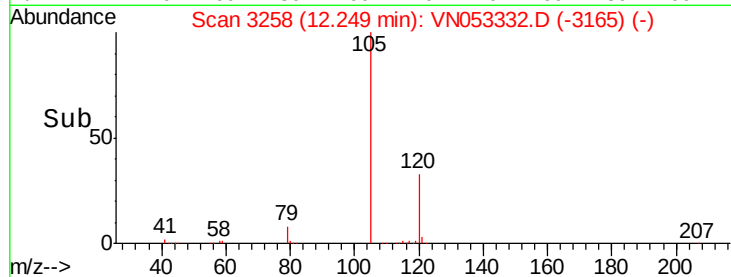
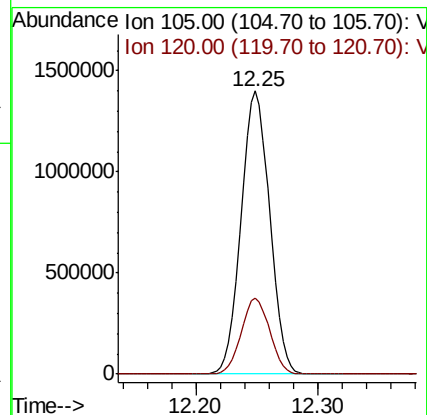
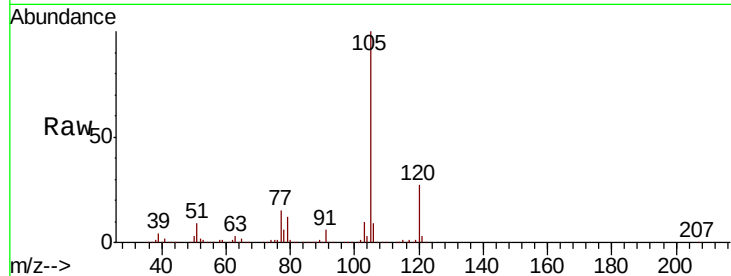
VSTDCCC050

Tgt Ion: 105 Resp: 2262805

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.2



#74

N-ethyl acetate

Concen: 51.541 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Tgt Ion: 43 Resp: 668652

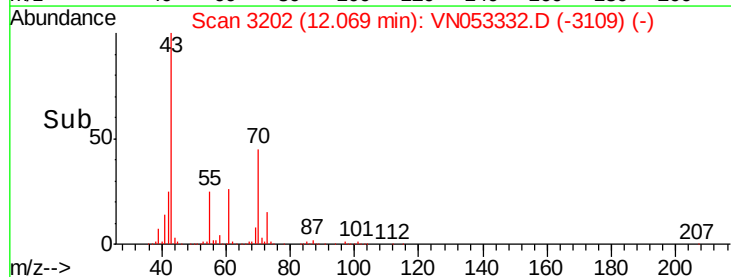
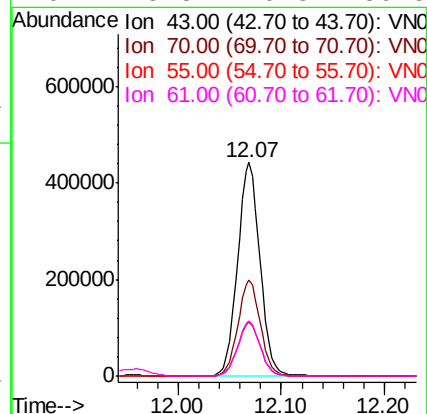
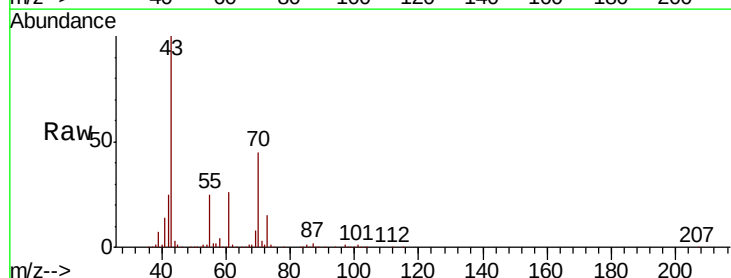
Ion Ratio Lower Upper

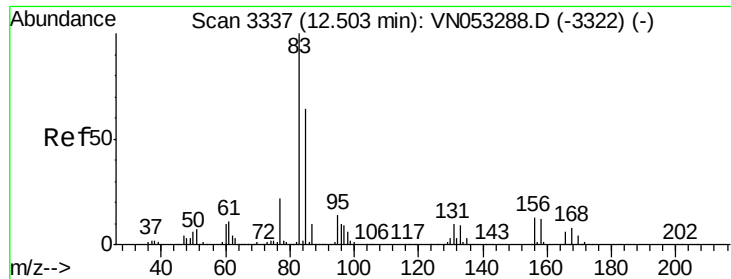
43 100

70 44.8 35.0 52.6

55 25.4 20.0 30.0

61 25.8 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.323 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

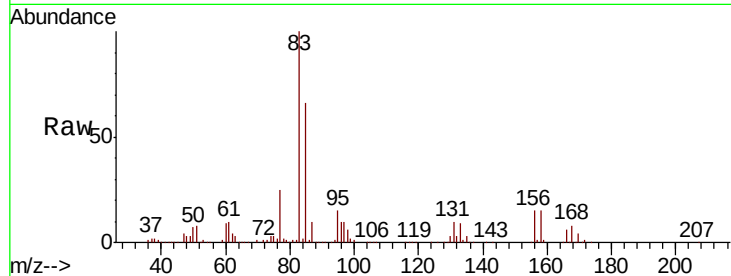
Tgt Ion: 83 Resp: 492936

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.9

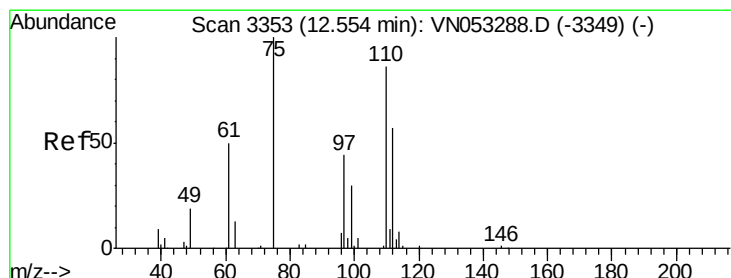
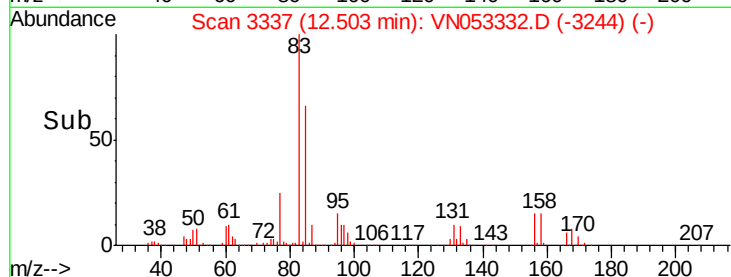
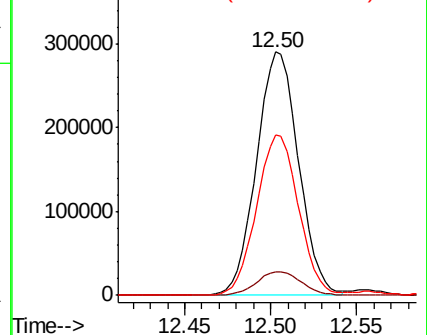
85 65.6 32.3 96.8



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: 79.894 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053332.D

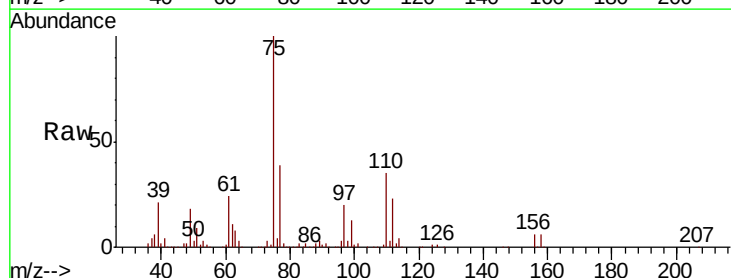
Acq: 10 Jan 2019 9:30

Tgt Ion: 75 Resp: 679993

Ion Ratio Lower Upper

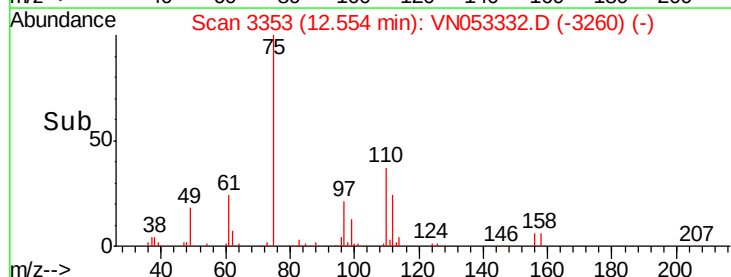
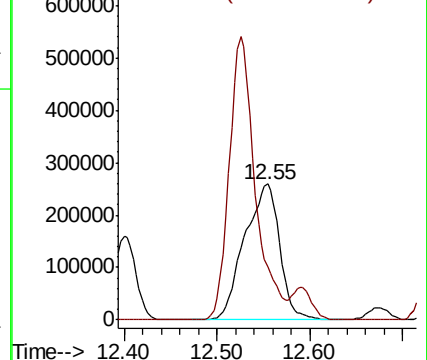
75 100

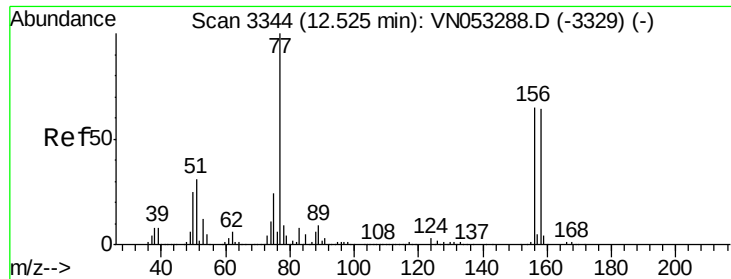
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

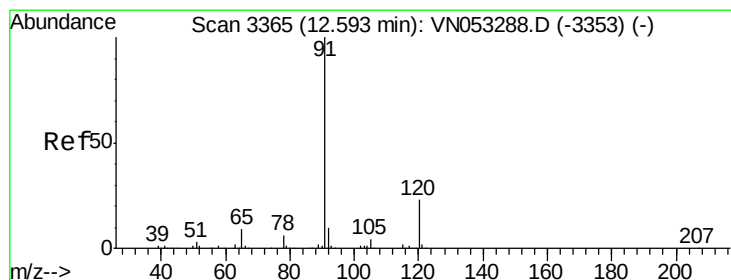
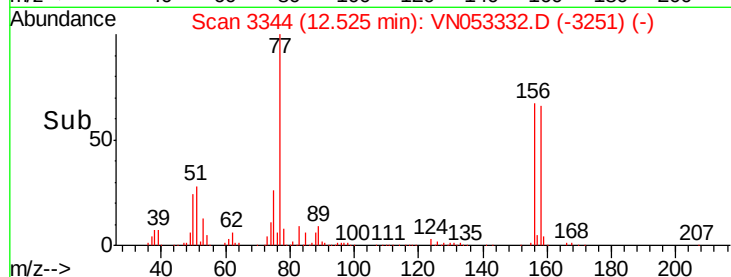
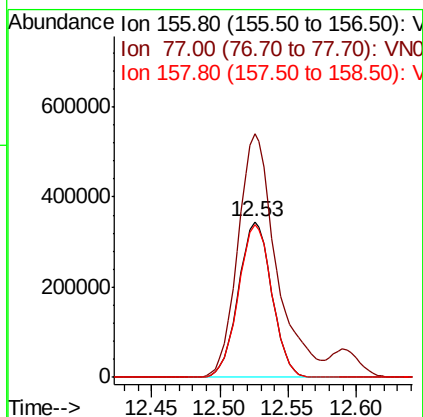
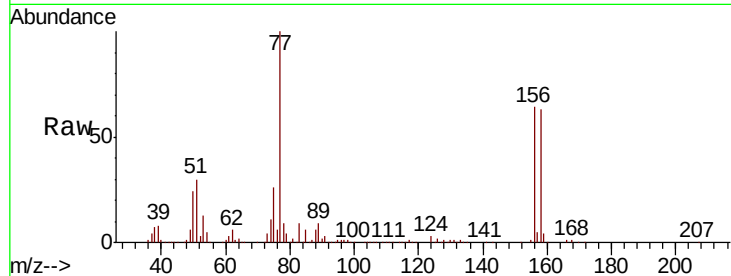




#77
Bromobenzene
Concen: 50.551 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN053332.D
Acq: 10 Jan 2019 9:30

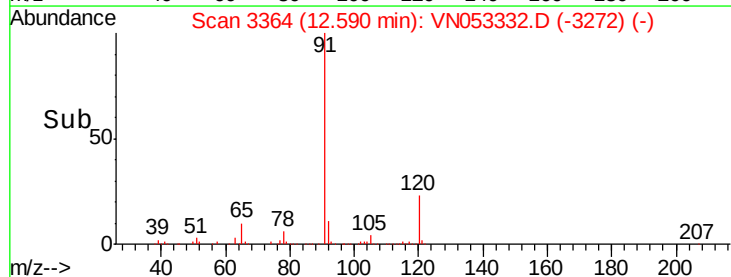
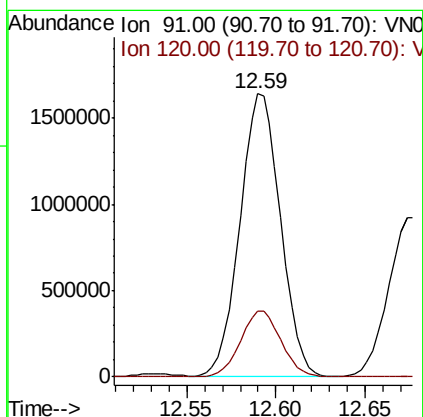
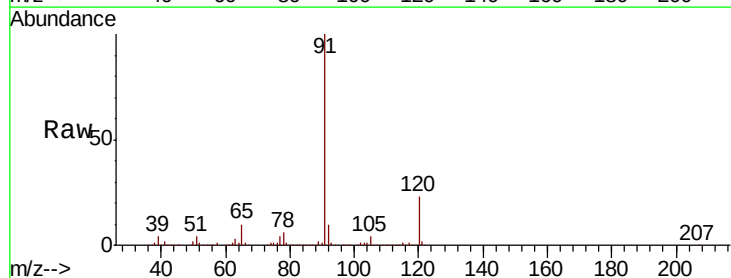
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

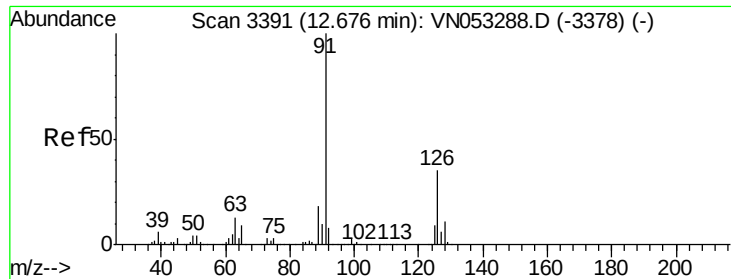
Tgt Ion:156 Resp: 586161
Ion Ratio Lower Upper
156 100
77 179.4 89.3 268.1
158 98.7 48.9 146.8



#78
n-propylbenzene
Concen: 52.880 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN053332.D
Acq: 10 Jan 2019 9:30

Tgt Ion: 91 Resp: 2598733
Ion Ratio Lower Upper
91 100
120 23.3 11.5 34.5





#79

2-Chlorotoluene

Concen: 51.392 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

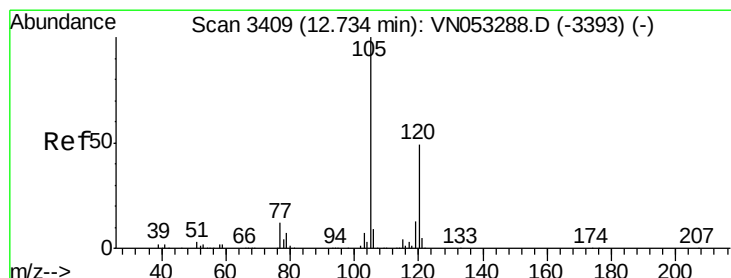
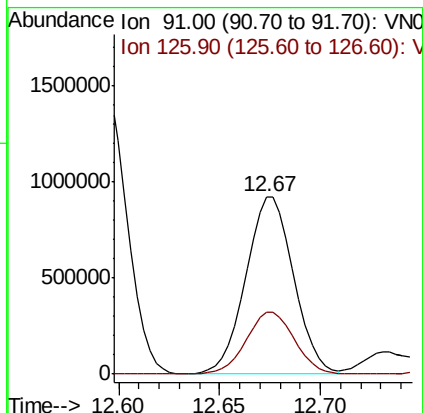
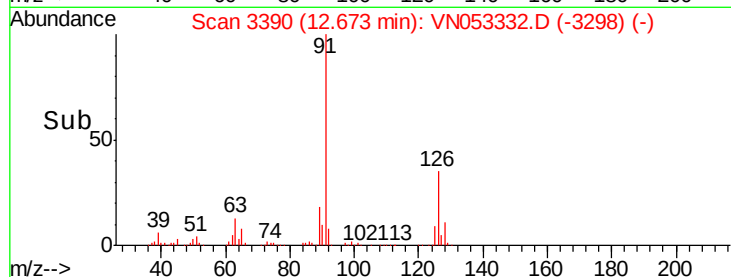
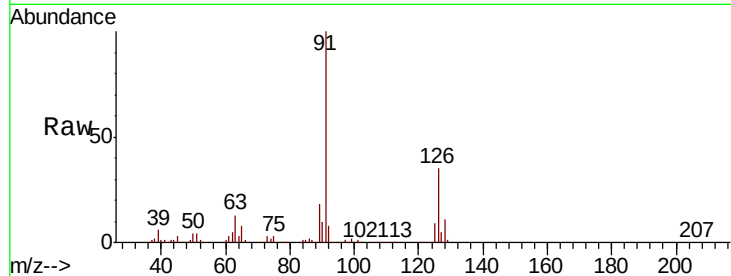
VSTDCCC050

Tgt Ion: 91 Resp: 1528200

Ion Ratio Lower Upper

91 100

126 35.3 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 52.572 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053332.D

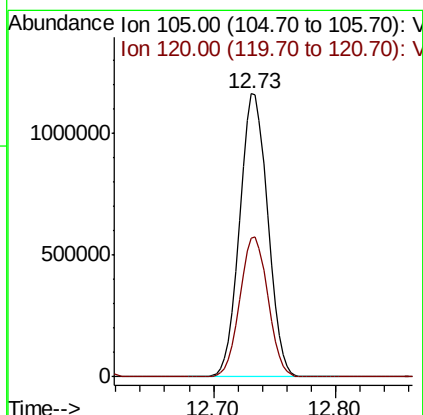
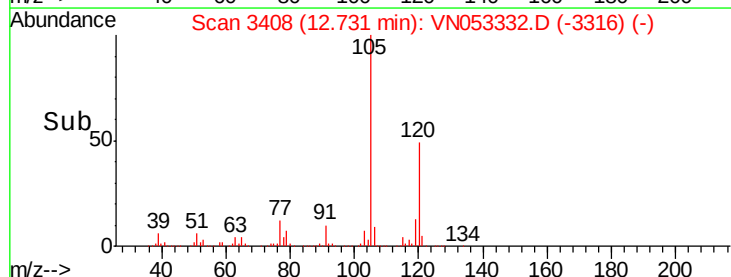
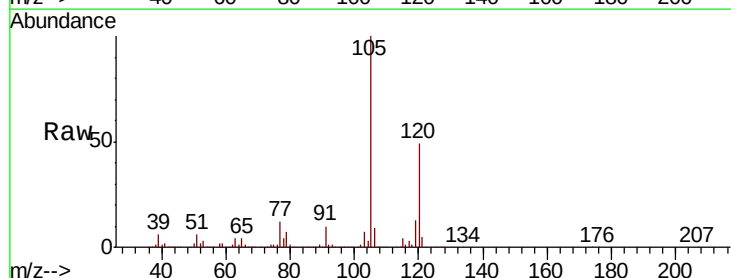
Acq: 10 Jan 2019 9:30

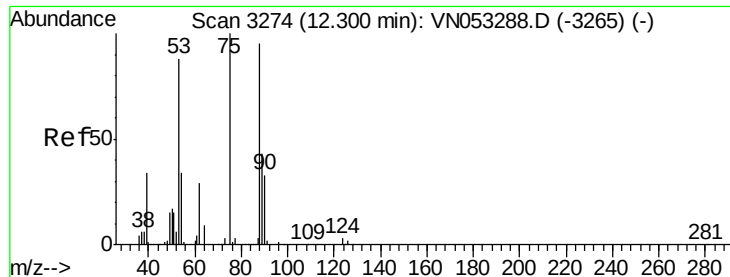
Tgt Ion: 105 Resp: 1839798

Ion Ratio Lower Upper

105 100

120 49.4 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 54.784 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

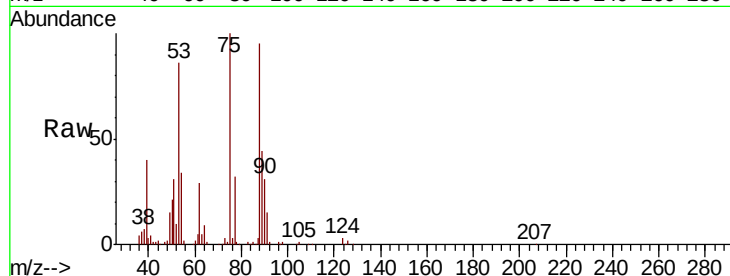
Tgt Ion: 75 Resp: 158481

Ion Ratio Lower Upper

75 100

53 88.0 70.5 105.7

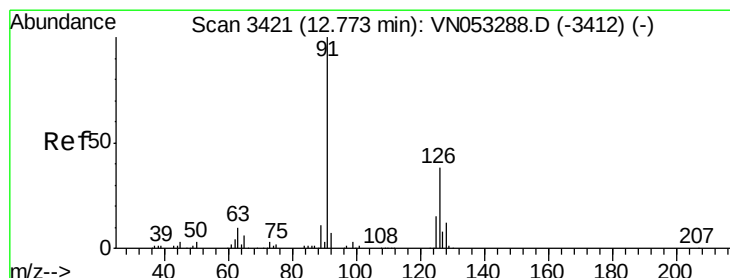
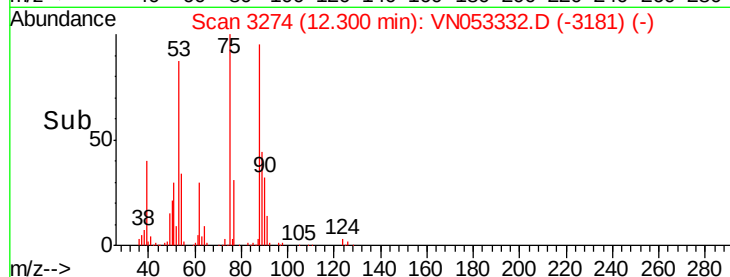
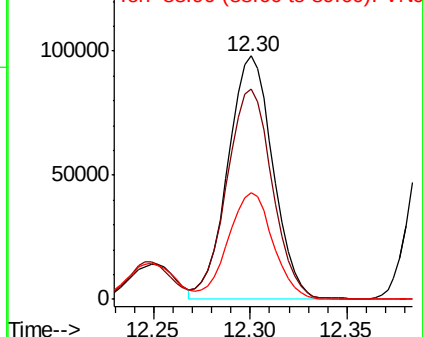
89 43.7 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 50.917 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053332.D

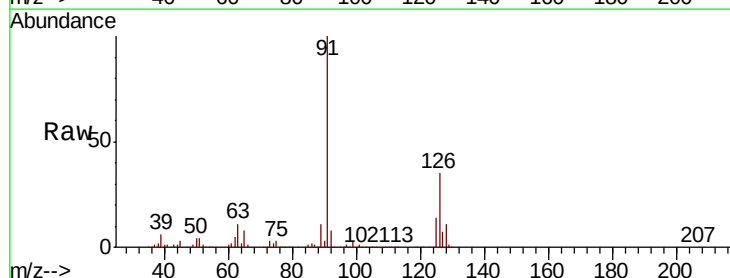
Acq: 10 Jan 2019 9:30

Tgt Ion: 91 Resp: 1552544

Ion Ratio Lower Upper

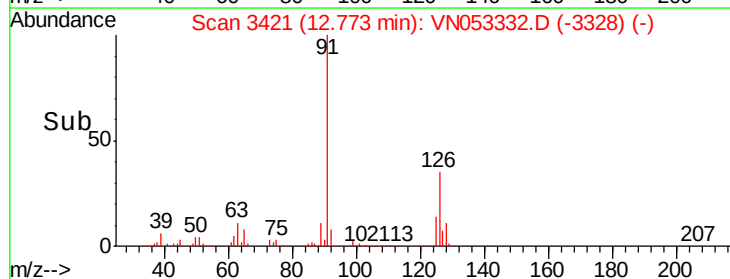
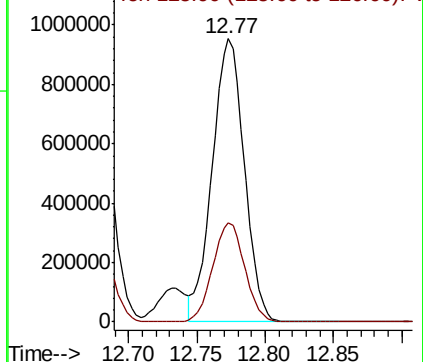
91 100

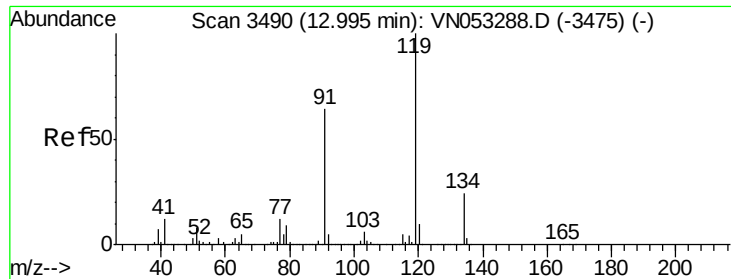
126 35.0 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

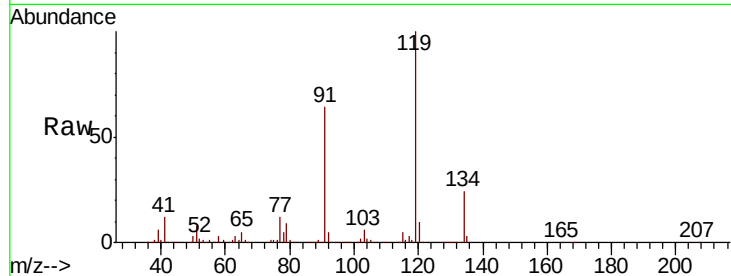




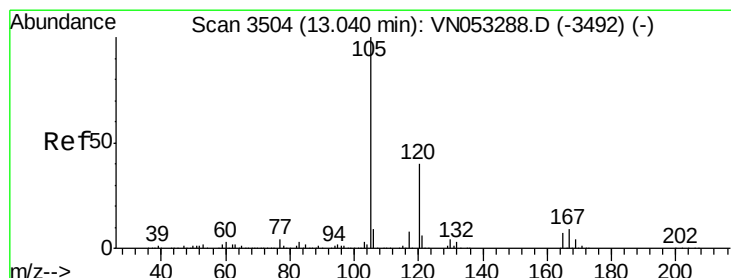
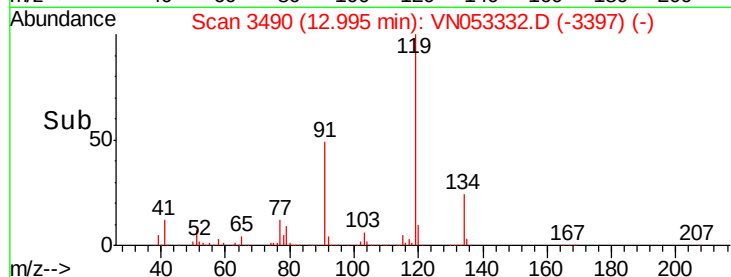
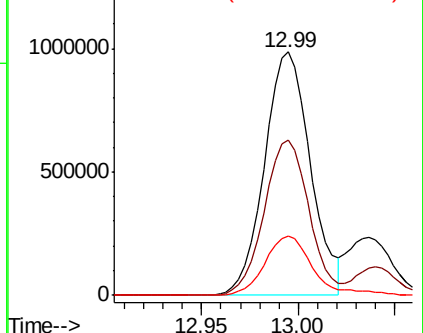
#83
 tert-Butylbenzene
 Concen: 52.990 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053332.D
 Acq: 10 Jan 2019 9:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 1627017
 Ion Ratio Lower Upper
 119 100
 91 62.6 31.6 95.0
 134 25.5 12.9 38.6

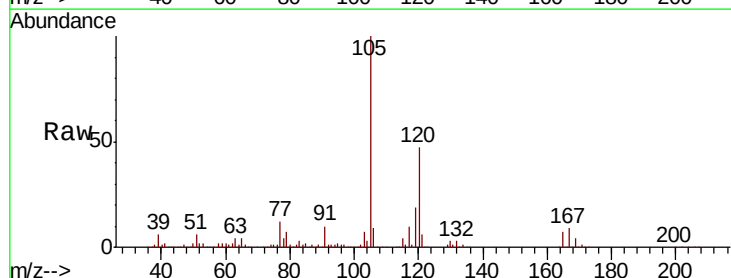


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

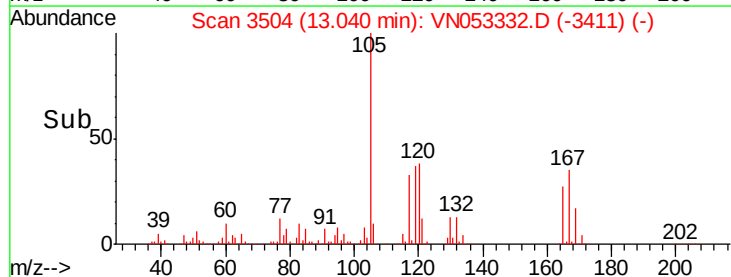
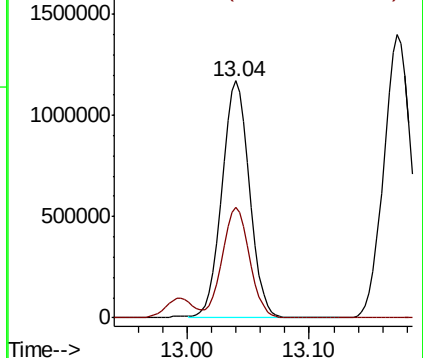


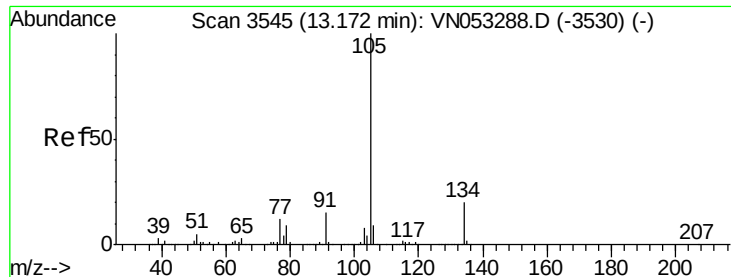
#84
 1,2,4-Trimethylbenzene
 Concen: 52.074 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053332.D
 Acq: 10 Jan 2019 9:30

Tgt Ion:105 Resp: 1856561
 Ion Ratio Lower Upper
 105 100
 120 46.4 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: 54.621 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

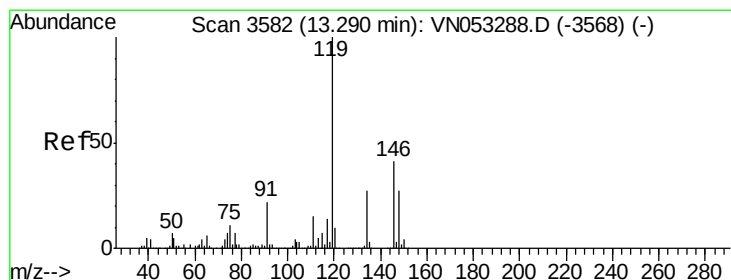
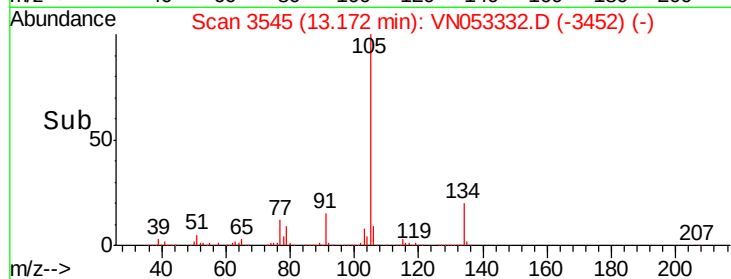
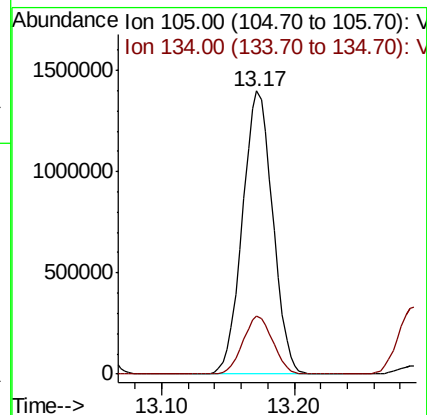
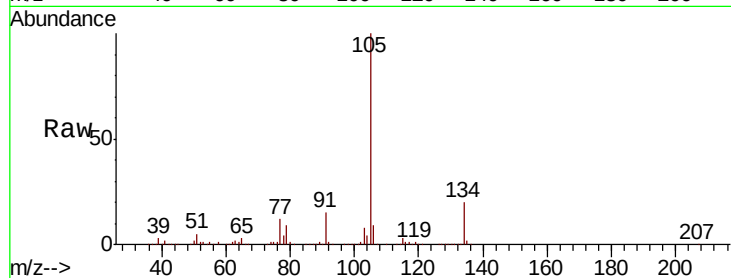
VSTDCCC050

Tgt Ion:105 Resp: 2211737

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.6



#86

p-Isopropyltoluene

Concen: 54.893 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

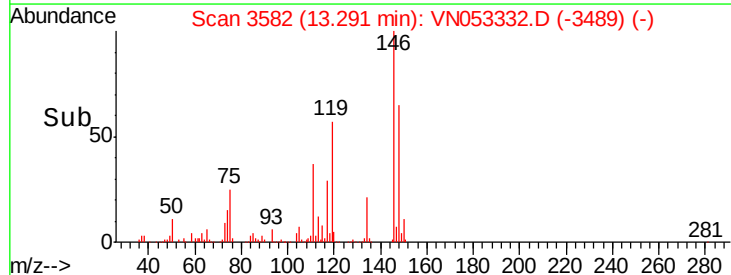
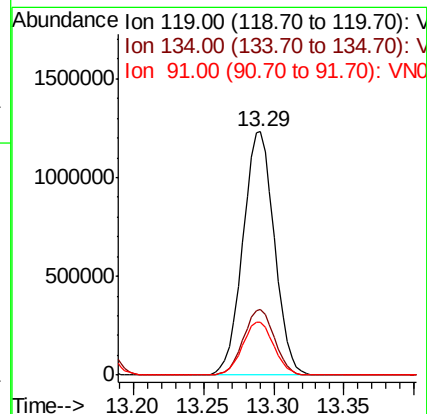
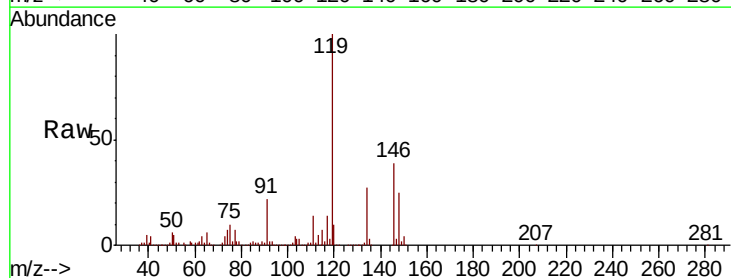
Tgt Ion:119 Resp: 1924498

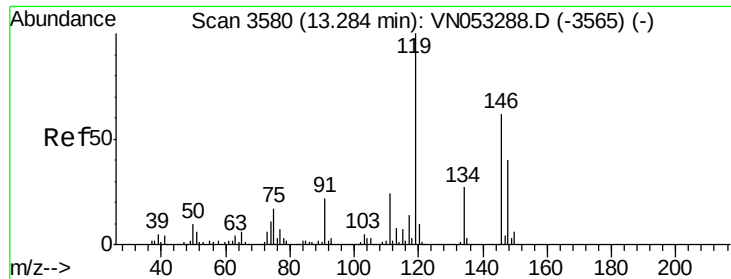
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 21.9 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 50.431 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

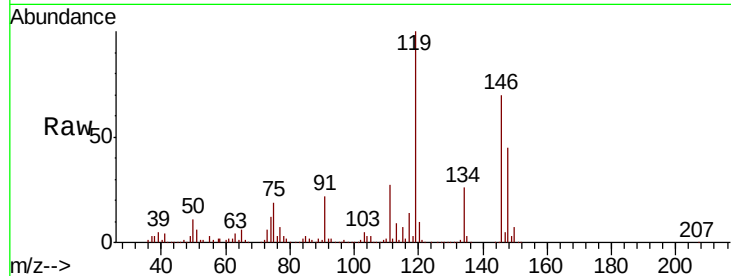
Tgt Ion:146 Resp: 1029785

Ion Ratio Lower Upper

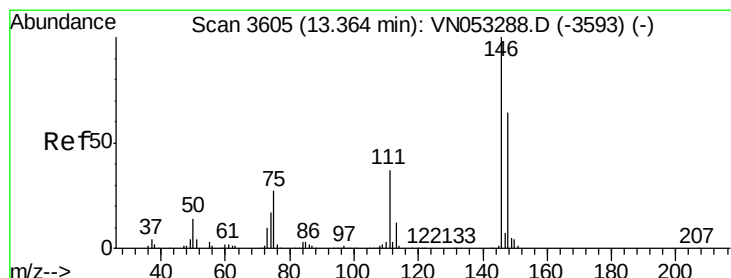
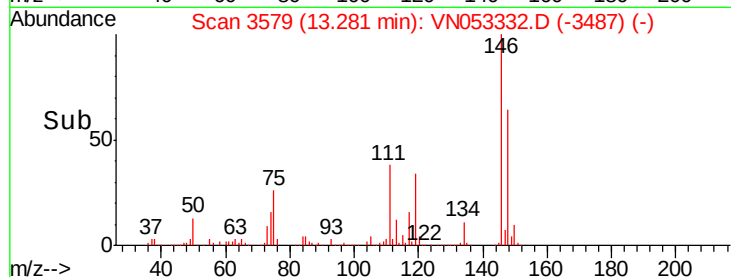
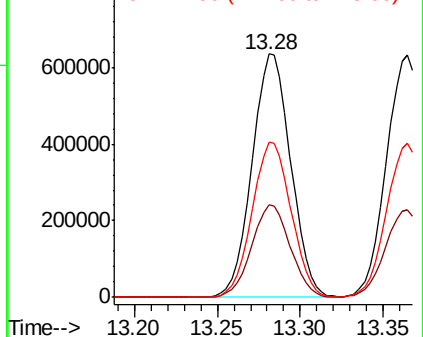
146 100

111 37.9 18.9 56.5

148 64.2 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: 50.502 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

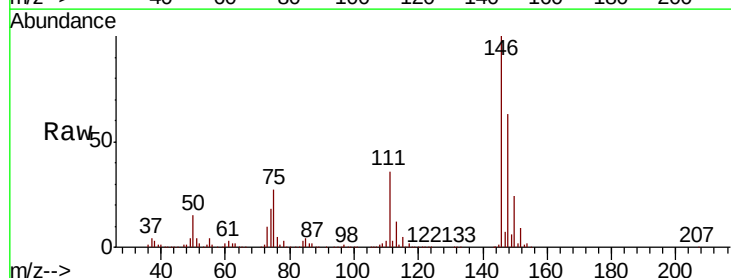
Tgt Ion:146 Resp: 1022962

Ion Ratio Lower Upper

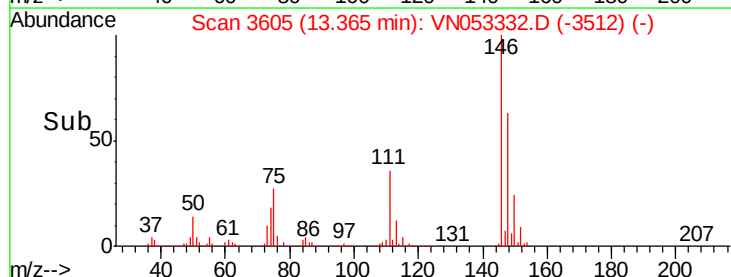
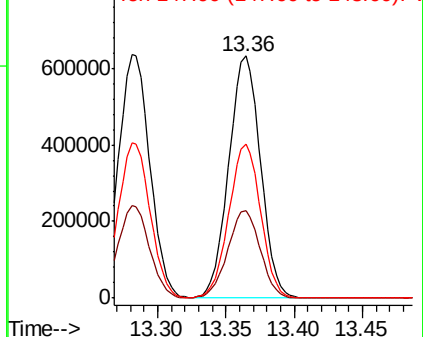
146 100

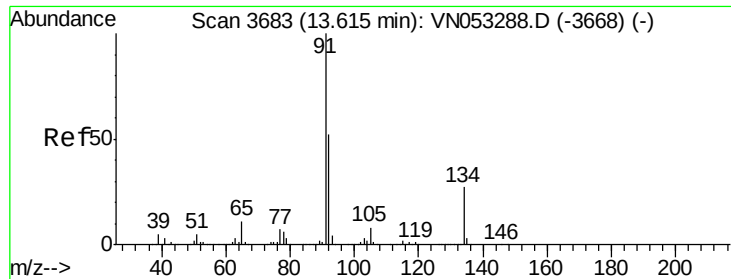
111 36.8 18.6 55.8

148 63.5 32.0 96.0



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: 55.431 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

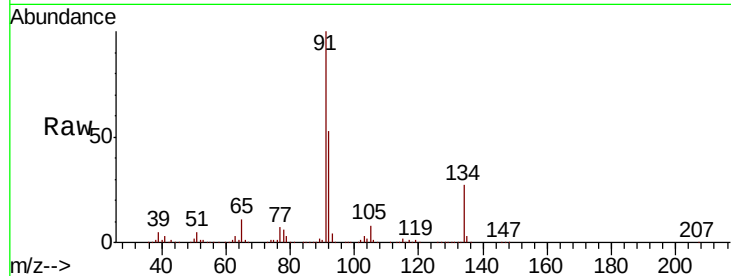
Tgt Ion: 91 Resp: 1629308

Ion Ratio Lower Upper

91 100

92 53.0 26.3 78.8

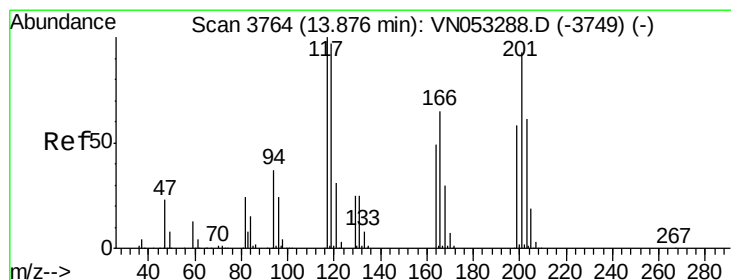
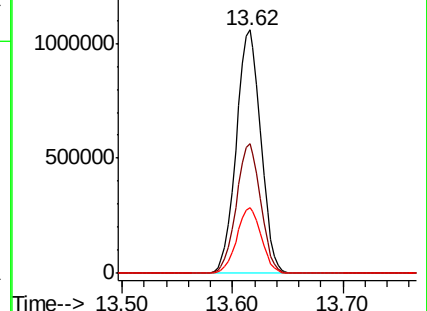
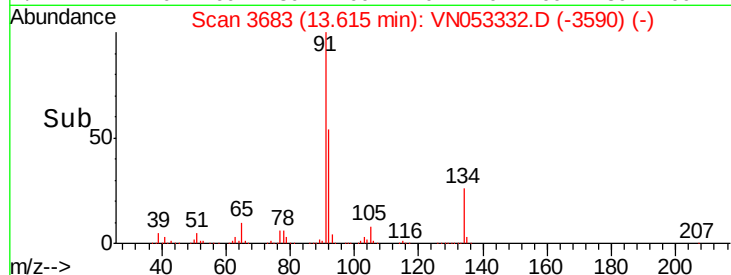
134 26.9 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VN053332.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN053332.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN053332.D (-3590) (-)



#90

Hexachloroethane

Concen: 52.356 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053332.D

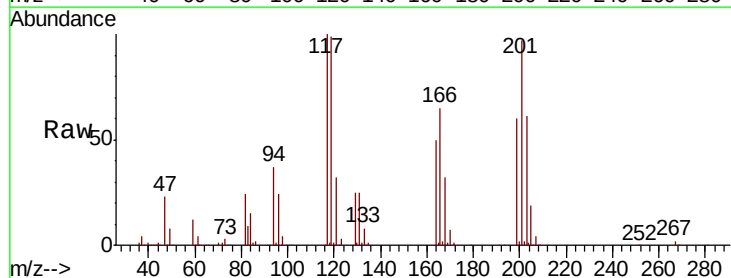
Acq: 10 Jan 2019 9:30

Tgt Ion: 117 Resp: 294208

Ion Ratio Lower Upper

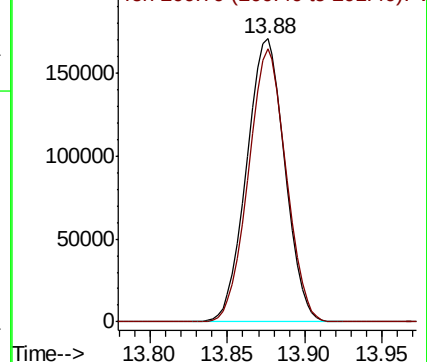
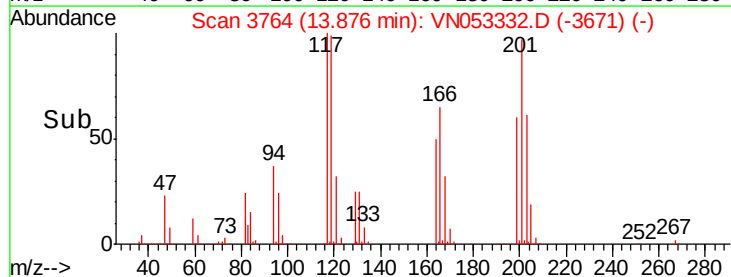
117 100

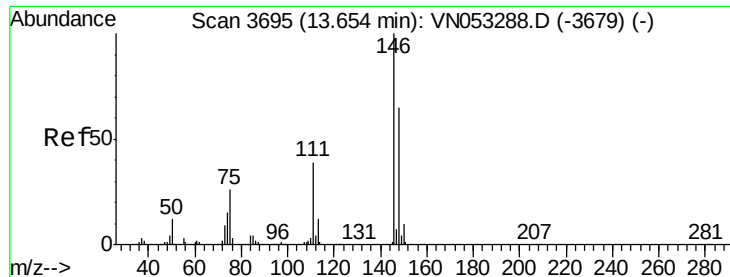
201 94.8 46.1 138.3



Abundance Ion 116.80 (116.50 to 117.50): VN053332.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN053332.D (-3671) (-)

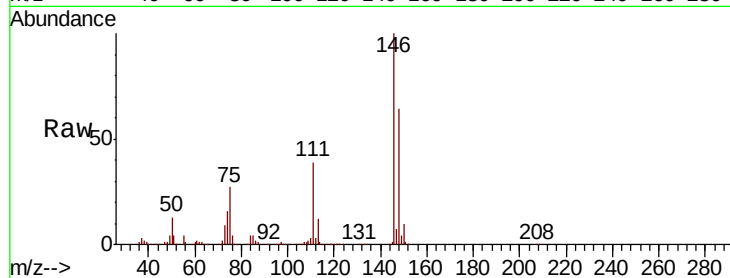




#91
 1,2-Dichlorobenzene
 Concen: 51.085 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053332.D
 Acq: 10 Jan 2019 9:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.2
148	63.7	32.2	96.6

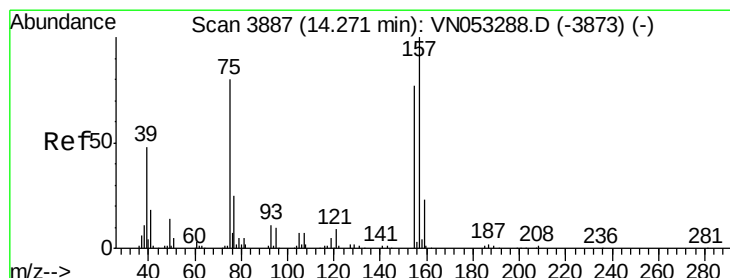
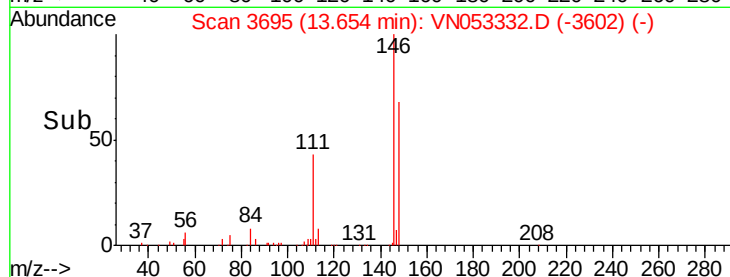
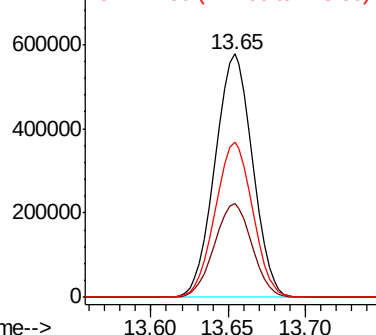


Abundance

Ion 145.90 (145.60 to 146.60): V

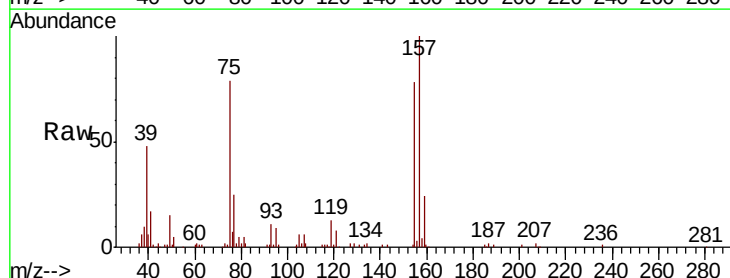
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.425 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053332.D
 Acq: 10 Jan 2019 9:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.0	48.1	144.3
157	123.6	61.5	184.4

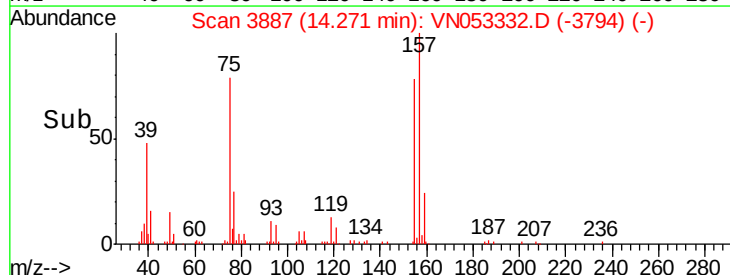
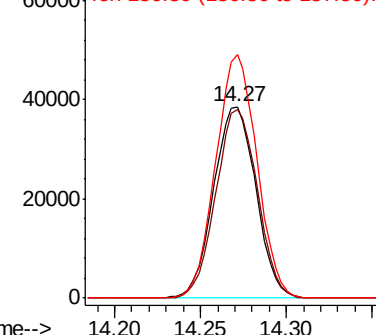


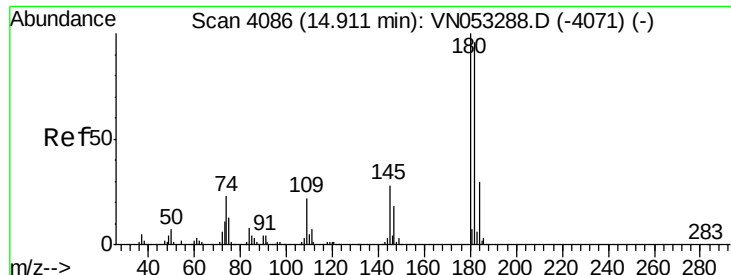
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

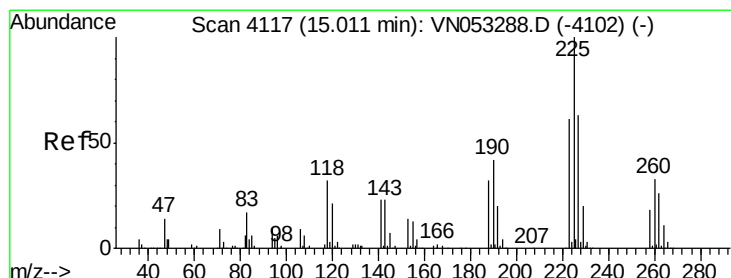
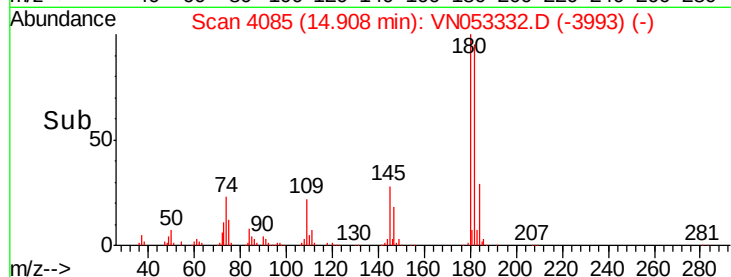
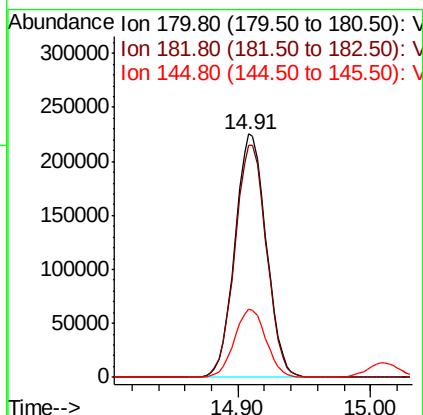
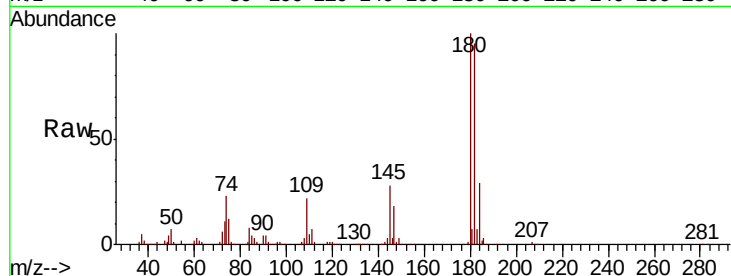




#93
 1,2,4-Trichlorobenzene
 Concen: 61.418 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053332.D
 Acq: 10 Jan 2019 9:30

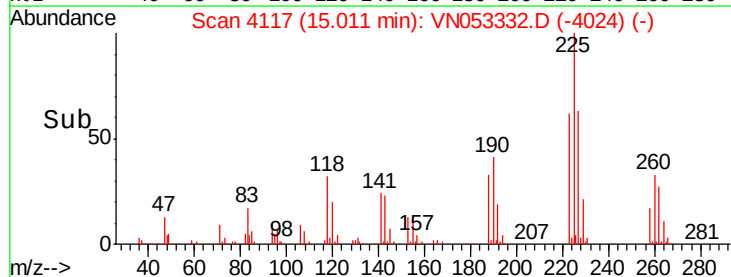
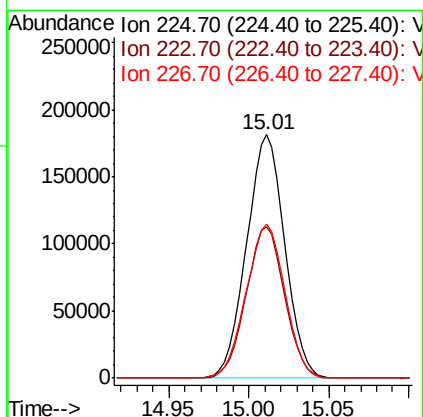
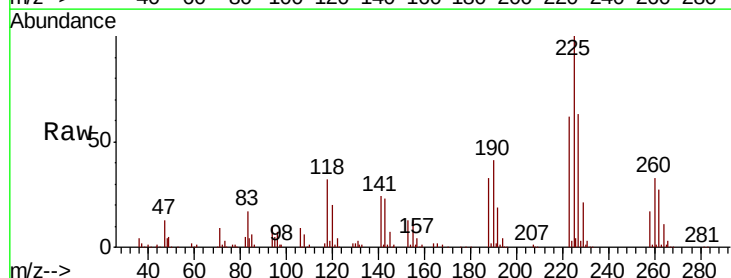
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

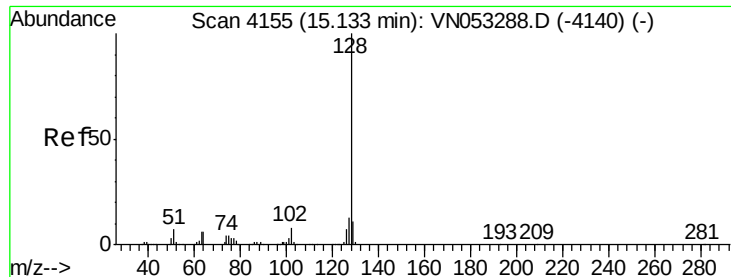
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.8	143.4
145	28.2	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 60.250 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053332.D
 Acq: 10 Jan 2019 9:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.9	92.8
227	64.3	31.4	94.2





#95

Naphthalene

Concen: 62.752 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

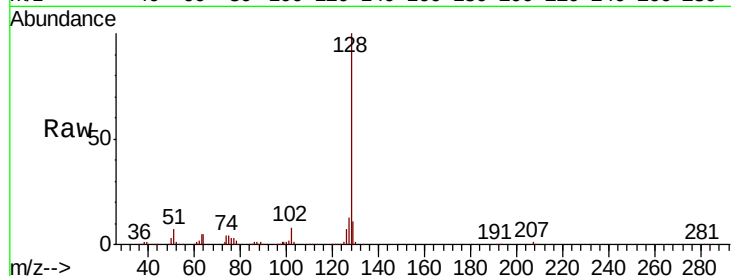
Tgt Ion:128 Resp: 643811

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

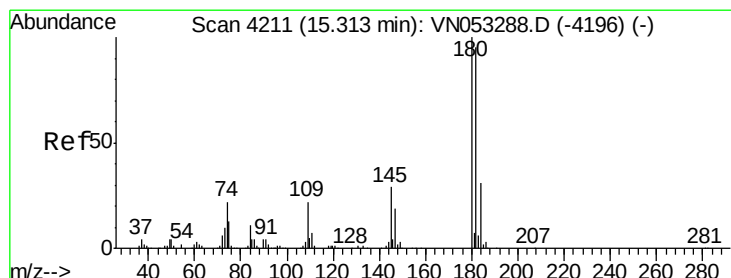
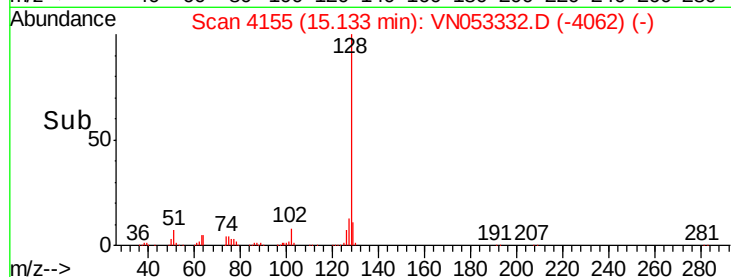
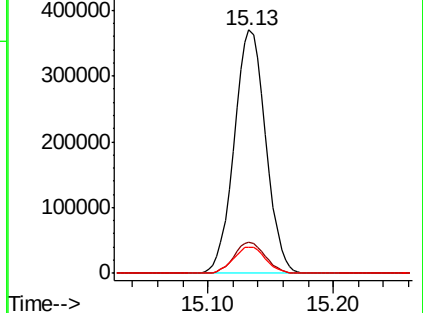
129 11.0 8.7 13.1



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: 65.900 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053332.D

Acq: 10 Jan 2019 9:30

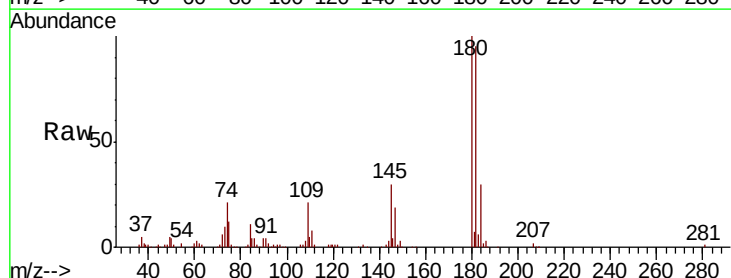
Tgt Ion:180 Resp: 259482

Ion Ratio Lower Upper

180 100

182 94.6 48.4 145.0

145 29.7 14.9 44.5



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

