

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012219\
 Data File : VN053508.D
 Acq On : 22 Jan 2019 10:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 23 02:51:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	803529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1168199	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1039113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	527174	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	370496	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	
35) Dibromofluoromethane	7.59	113	343282	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
50) Toluene-d8	10.09	98	1400829	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
62) 4-Bromofluorobenzene	12.40	95	481152	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	318114	49.241	ug/l	100
3) Chloromethane	2.06	50	404575	43.800	ug/l	100
4) Vinyl Chloride	2.19	62	415564	46.673	ug/l	99
5) Bromomethane	2.57	94	294885	48.268	ug/l	98
6) Chloroethane	2.71	64	253100	47.017	ug/l	98
7) Trichlorofluoromethane	3.02	101	591233	50.766	ug/l	100
8) Diethyl Ether	3.41	74	213577	48.827	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	389105	52.755	ug/l	98
10) Methyl Iodide	3.96	142	558549	49.555	ug/l	100
11) Tert butyl alcohol	4.78	59	91478	235.390	ug/l	100
12) 1,1-Dichloroethene	3.74	96	358183	50.068	ug/l	99
13) Acrolein	3.61	56	176215	233.976	ug/l	100
14) Allyl chloride	4.33	41	594563	51.166	ug/l	99
15) Acrylonitrile	4.98	53	575545	225.036	ug/l	100
16) Acetone	3.82	43	453051	243.136	ug/l	98
17) Carbon Disulfide	4.06	76	1024885	47.374	ug/l	100
18) Methyl Acetate	4.32	43	276743	44.082	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	919807	48.390	ug/l	100
20) Methylene Chloride	4.55	84	403523	47.433	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	385052	50.345	ug/l	100
22) Diisopropyl ether	5.95	45	1235707	50.939	ug/l	99
23) Vinyl Acetate	5.89	43	3648638	244.678	ug/l	100
24) 1,1-Dichloroethane	5.85	63	730829	50.962	ug/l	99
25) 2-Butanone	6.83	43	647709	225.568	ug/l	99
26) 2,2-Dichloropropane	6.82	77	568598	52.514	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	446580	51.061	ug/l	99
28) Bromochloromethane	7.19	49	274514	43.452	ug/l	100
29) Tetrahydrofuran	7.21	42	401853	214.972	ug/l	99
30) Chloroform	7.37	83	716386	51.272	ug/l	100
31) Cyclohexane	7.65	56	689968	49.436	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	606403	51.162	ug/l	100
36) 1,1-Dichloropropene	7.79	75	562074	52.832	ug/l	99
37) Ethyl Acetate	6.92	43	273401	44.667	ug/l	99
38) Carbon Tetrachloride	7.77	117	546081	54.216	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	725624	55.182	ug/l	99
40) Benzene	8.04	78	1675934	51.839	ug/l	100
41) Methacrylonitrile	7.17	41	167822	46.194	ug/l	97
42) 1,2-Dichloroethane	8.12	62	475993	50.538	ug/l	100
43) Isopropyl Acetate	8.16	43	514130	46.713	ug/l	98
44) Trichloroethene	8.83	130	484360	54.025	ug/l	100
45) 1,2-Dichloropropane	9.12	63	446988	52.199	ug/l	100
46) Dibromomethane	9.21	93	243431	49.479	ug/l	99
47) Bromodichloromethane	9.40	83	544313	52.609	ug/l	99
48) Methyl methacrylate	9.20	41	265160	46.661	ug/l	99
49) 1,4-Dioxane	9.20	88	57022	1027.449	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1361757	226.651	ug/l	100
52) Toluene	10.15	92	1045658	52.098	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	552241	52.659	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	665871	54.164	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	348207	50.321	ug/l	98
56) Ethyl methacrylate	10.43	69	429446	43.988	ug/l	99
57) 1,3-Dichloropropane	10.71	76	598675	50.013	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1079956	223.086	ug/l	99
59) 2-Hexanone	10.75	43	962981	228.321	ug/l	100
60) Dibromochloromethane	10.90	129	411009	52.368	ug/l	99
61) 1,2-Dibromoethane	11.00	107	342209	48.899	ug/l	100
64) Tetrachloroethene	10.63	164	539239	55.067	ug/l	98
65) Chlorobenzene	11.43	112	1175114	53.428	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	417809	54.604	ug/l	100
67) Ethyl Benzene	11.51	91	2016513	53.797	ug/l	100
68) m/p-Xylenes	11.62	106	1565138	110.592	ug/l	98
69) o-Xylene	11.95	106	751038	54.614	ug/l	98
70) Styrene	11.96	104	1232483	55.222	ug/l	100
71) Bromoform	12.13	173	268273	50.928	ug/l #	100
73) Isopropylbenzene	12.25	105	2023569	52.417	ug/l	100
74) N-amyl acetate	12.07	43	467916	45.467	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	339375	41.916	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	503027	72.408	ug/l #	100
77) Bromobenzene	12.53	156	510157	50.150	ug/l	98
78) n-propylbenzene	12.59	91	2344272	52.901	ug/l	99
79) 2-Chlorotoluene	12.67	91	1342007	51.091	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1675623	53.347	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	116206	42.721	ug/l	99
82) 4-Chlorotoluene	12.77	91	1405505	52.470	ug/l	100
83) tert-Butylbenzene	12.99	119	1478367	53.289	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1696928	53.580	ug/l	99
85) sec-Butylbenzene	13.17	105	2061344	54.179	ug/l	99
86) p-Isopropyltoluene	13.29	119	1827902	55.331	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	939082	52.480	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	927527	51.675	ug/l	99
89) n-Butylbenzene	13.61	91	1584913	56.283	ug/l	100
90) Hexachloroethane	13.87	117	289054	55.790	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	869795	52.835	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	49179	47.904	ug/l	99

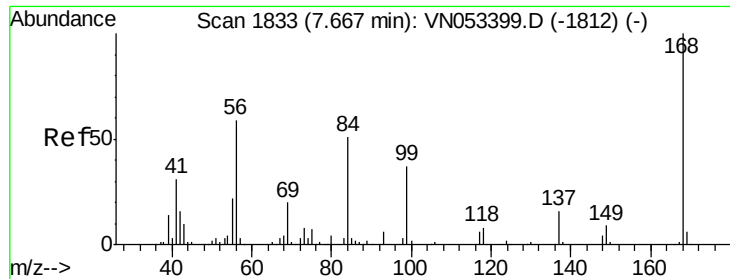
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	399353	54.704	ug/l	99
94) Hexachlorobutadiene	15.01	225	328135	63.897	ug/l	100
95) Naphthalene	15.13	128	578044	45.724	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	272900	51.240	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

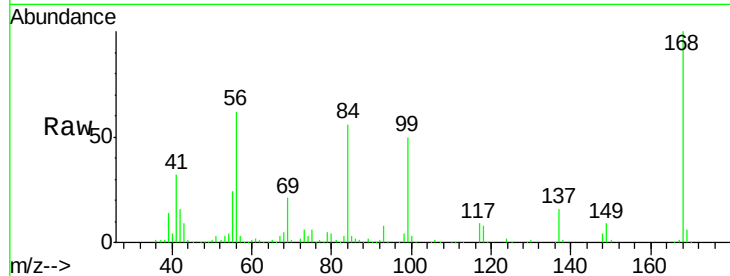
VSTDCCC050

Tot Ion:168 Resp: 803529

Ion Ratio Lower Upper

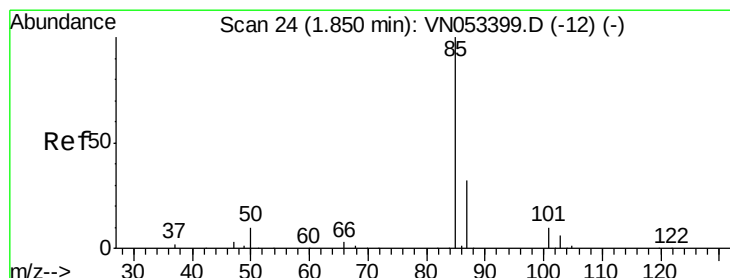
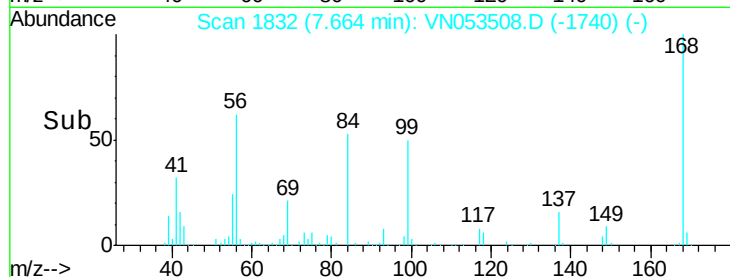
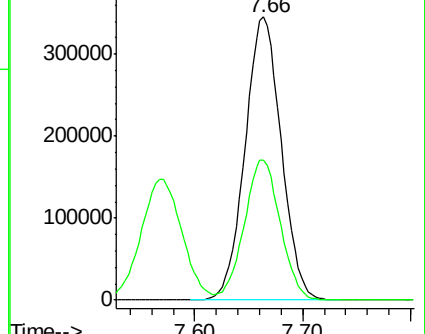
168 100

99 49.6 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: 49.241 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053508.D

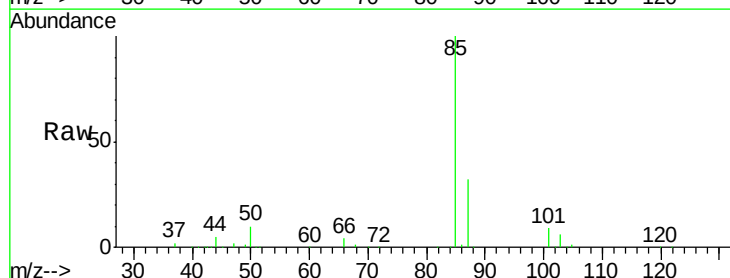
Acq: 22 Jan 2019 10:09

Tgt Ion: 85 Resp: 318114

Ion Ratio Lower Upper

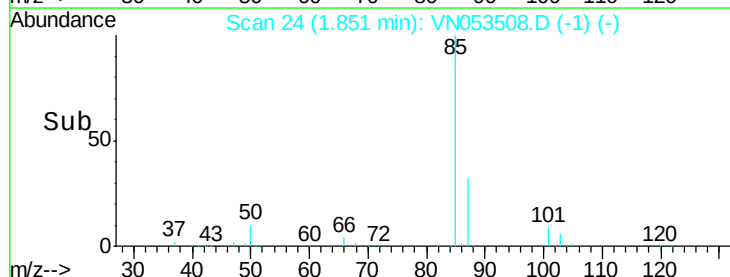
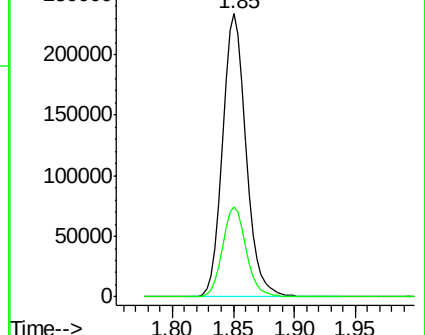
85 100

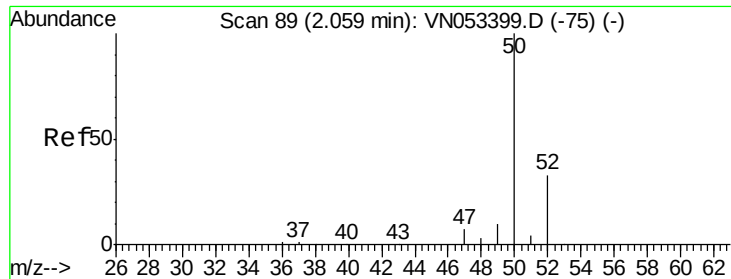
87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 43.800 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

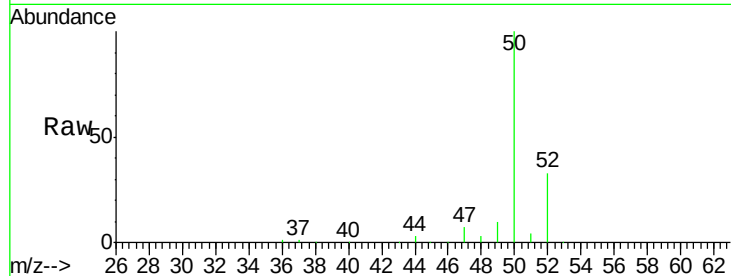
VSTDCCC050

Tot Ion: 50 Resp: 404575

Ion Ratio Lower Upper

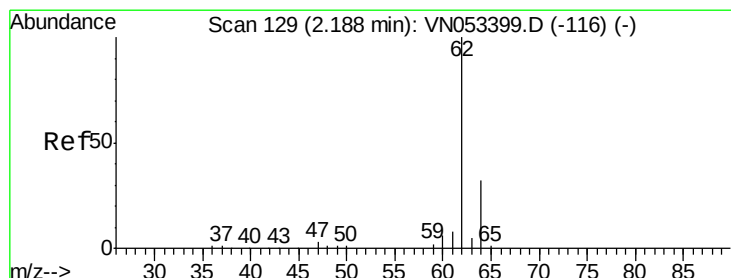
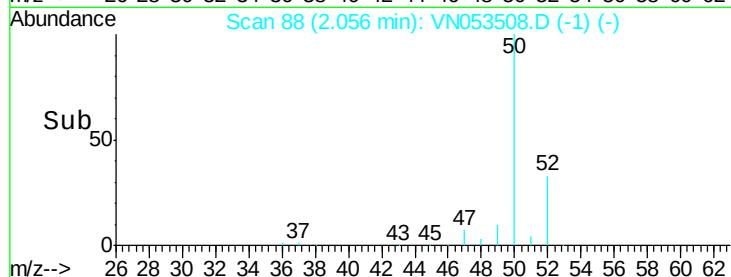
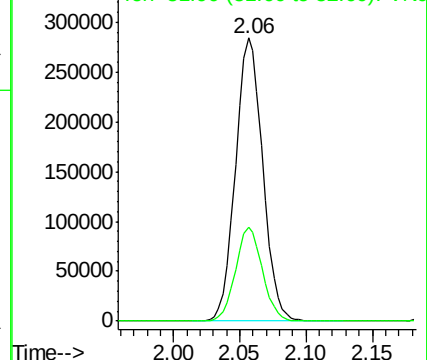
50 100

52 33.2 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.673 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053508.D

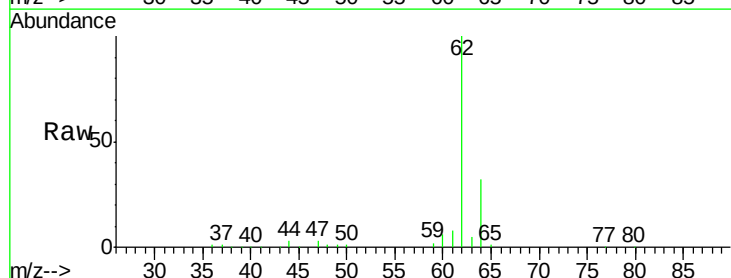
Acq: 22 Jan 2019 10:09

Tgt Ion: 62 Resp: 415564

Ion Ratio Lower Upper

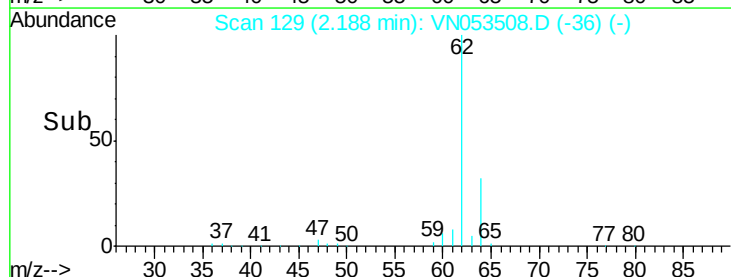
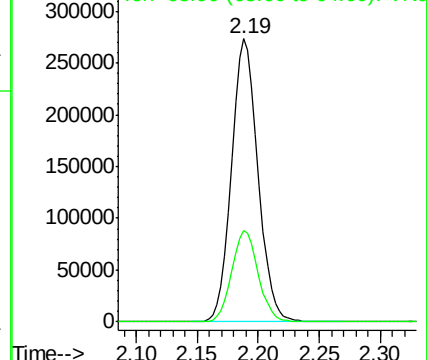
62 100

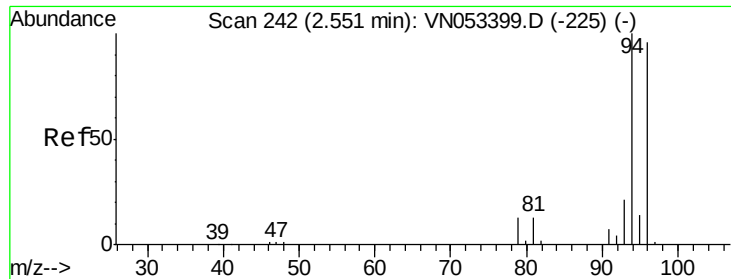
64 32.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

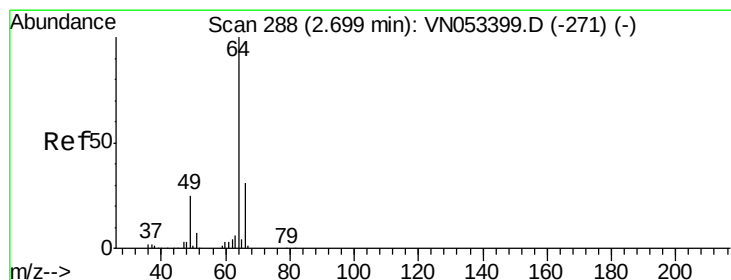
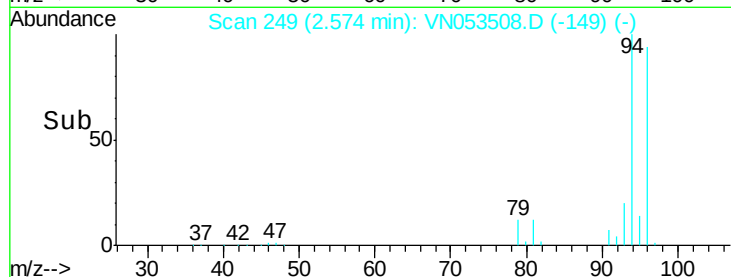
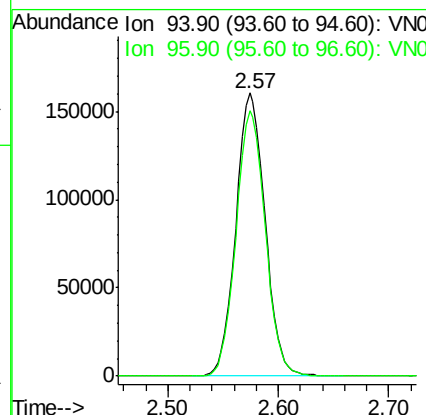
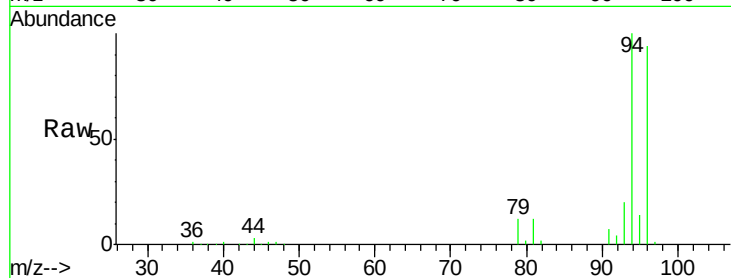




#5
Bromomethane
Concen: 48.268 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.02 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

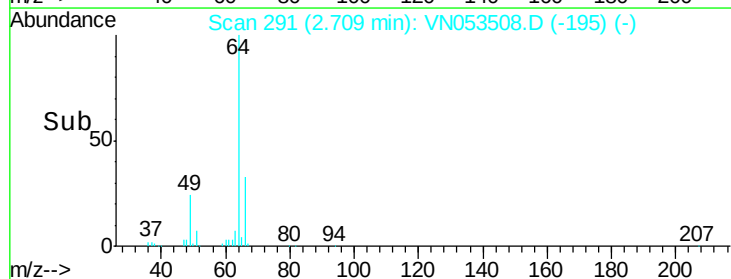
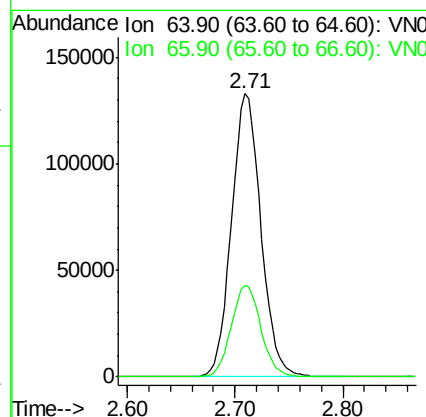
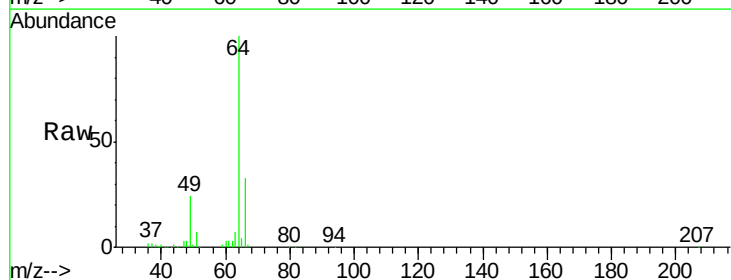
Instrument :
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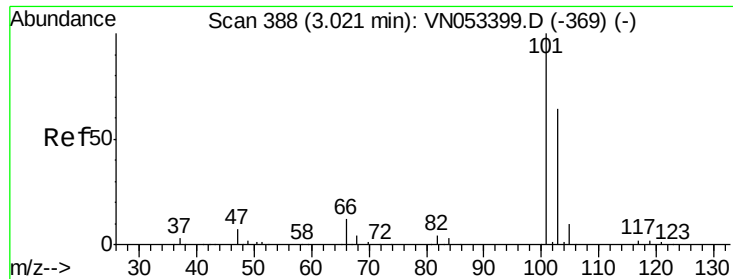
Tot Ion: 94 Resp: 294885
Ion Ratio Lower Upper
94 100
96 93.7 76.8 115.2



#6
Chloroethane
Concen: 47.017 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.01 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion: 64 Resp: 253100
Ion Ratio Lower Upper
64 100
66 32.5 25.1 37.7



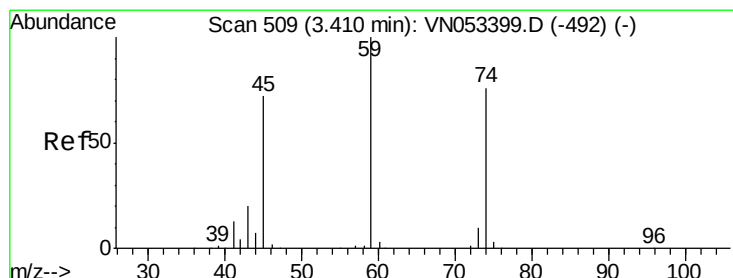
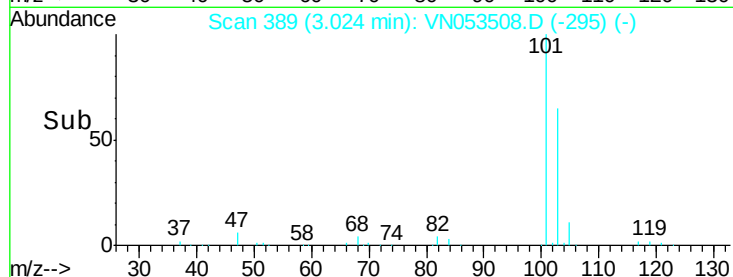
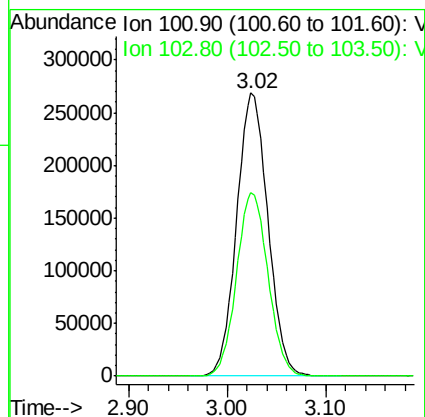
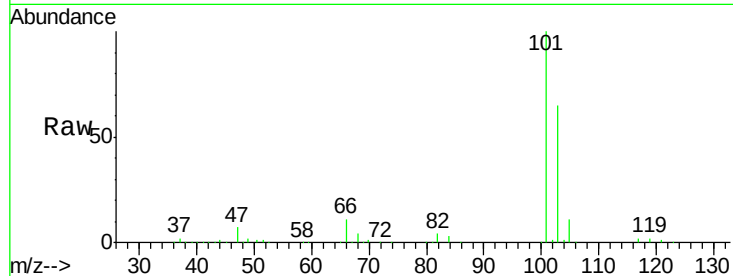


#7

Trichlorofluoromethane
Concen: 50.766 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Instrument :
MSVOA_N
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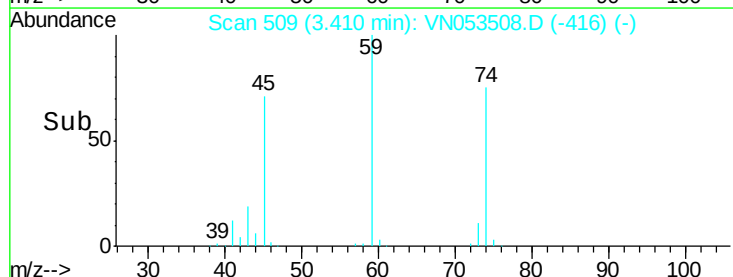
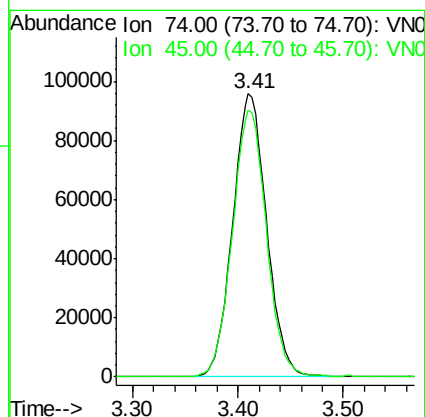
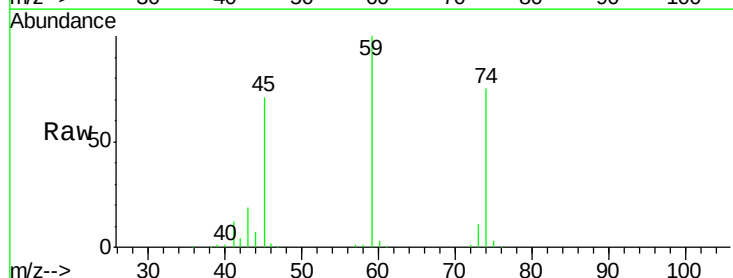
Tot Ion:101 Resp: 591233
Ion Ratio Lower Upper
101 100
103 64.9 51.6 77.4

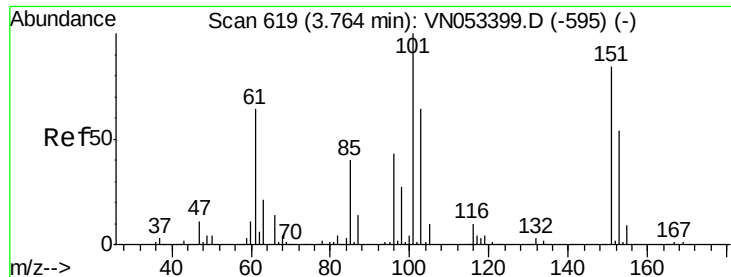


#8

Diethyl Ether
Concen: 48.827 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion: 74 Resp: 213577
Ion Ratio Lower Upper
74 100
45 94.7 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.755 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

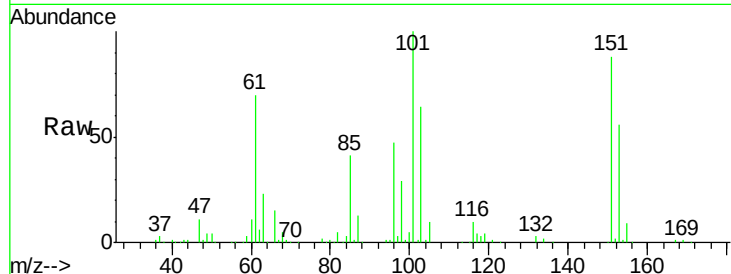
Tot Ion:101 Resp: 389105

Ion Ratio Lower Upper

101 100

85 41.5 32.8 49.2

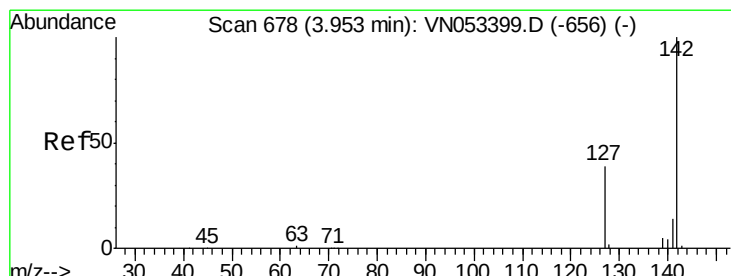
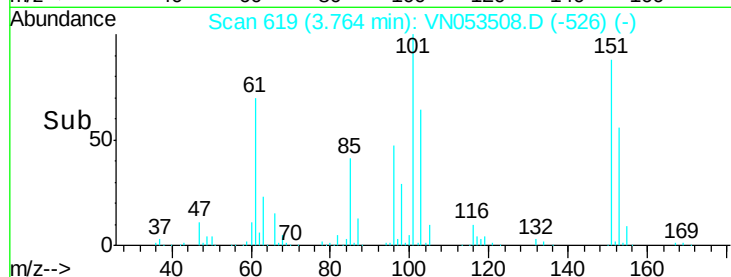
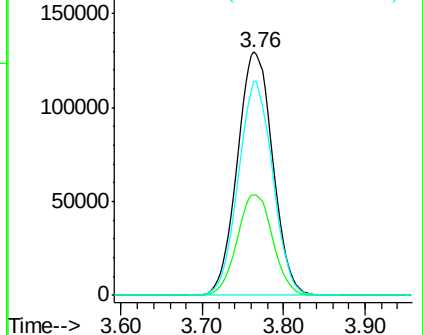
151 85.4 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.555 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

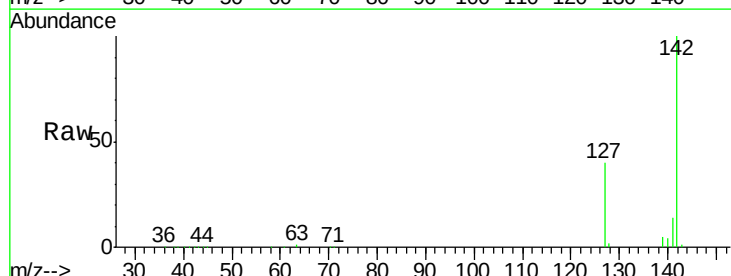
Tgt Ion:142 Resp: 558549

Ion Ratio Lower Upper

142 100

127 39.0 31.0 46.4

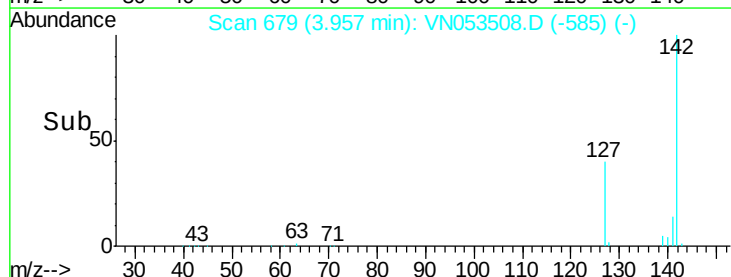
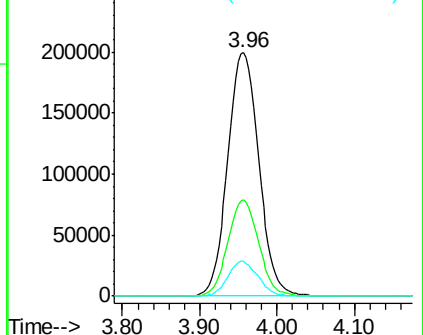
141 13.9 11.1 16.7

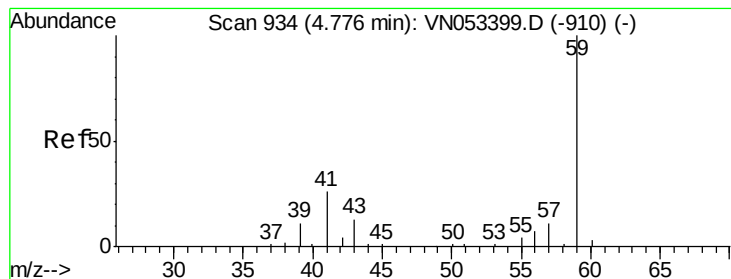


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



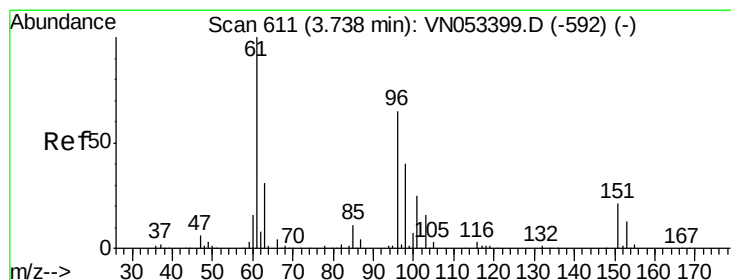
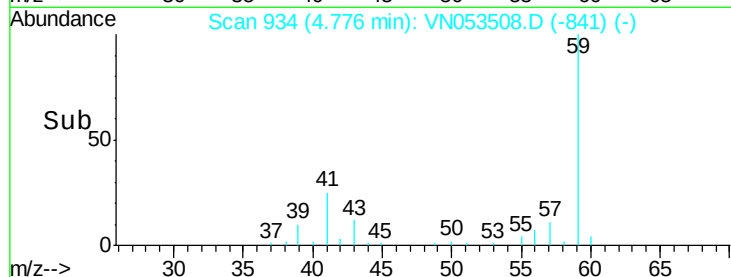
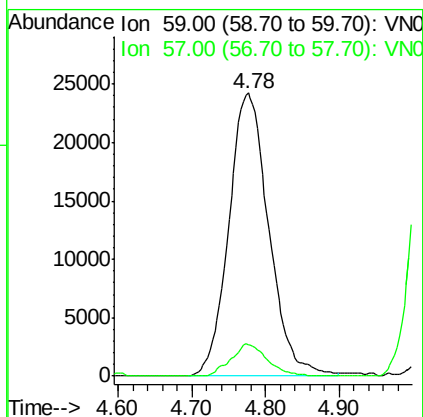
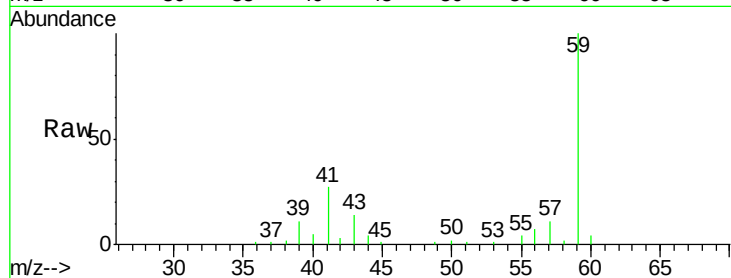


#11

Tert butyl alcohol
 Concen: 235.390 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

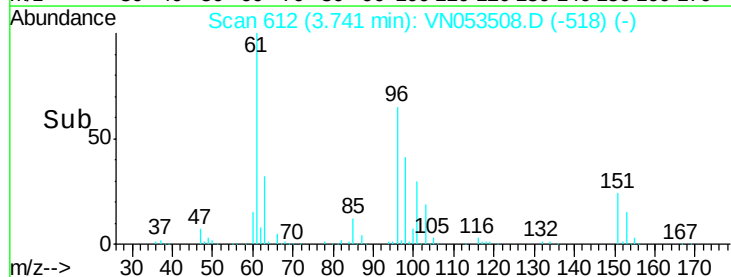
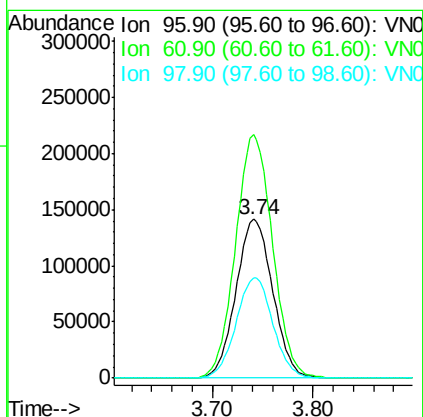
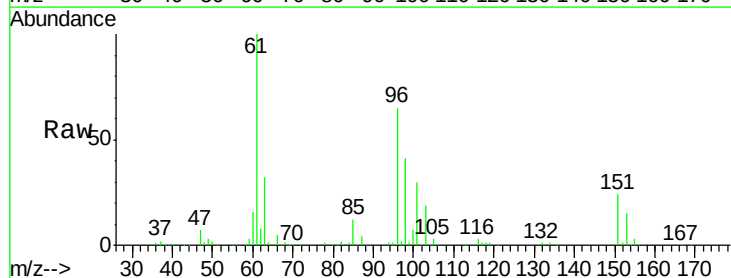
Tot Ion: 59 Resp: 91478
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.4

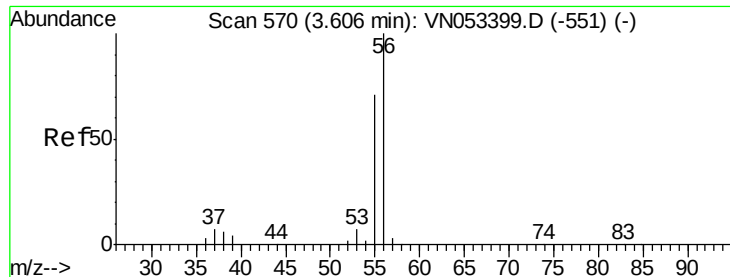


#12

1,1-Dichloroethene
 Concen: 50.068 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Tgt Ion: 96 Resp: 358183
 Ion Ratio Lower Upper
 96 100
 61 153.4 122.9 184.3
 98 63.3 49.4 74.0





#13

Acrolein

Concen: 233.976 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

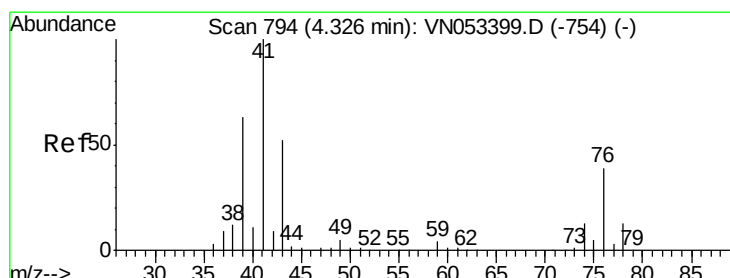
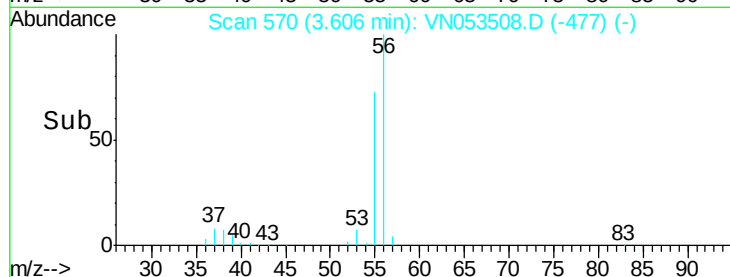
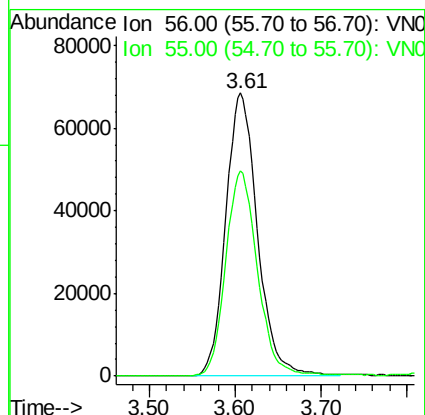
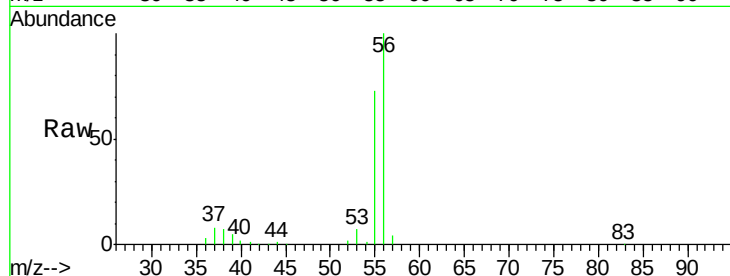
VSTDCCC050

Tot Ion: 56 Resp: 176215

Ion Ratio Lower Upper

56 100

55 72.1 57.4 86.0



#14

Allyl chloride

Concen: 51.166 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

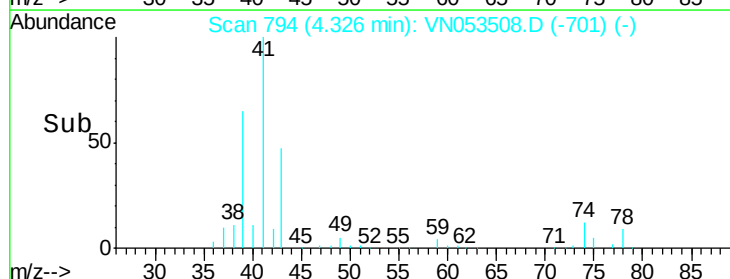
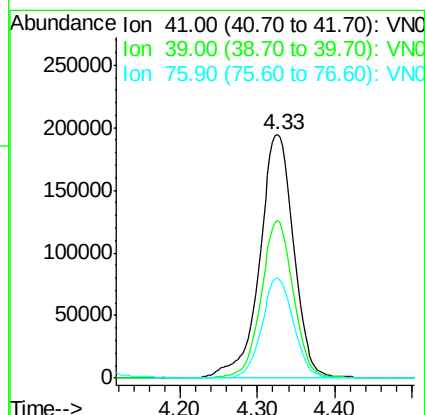
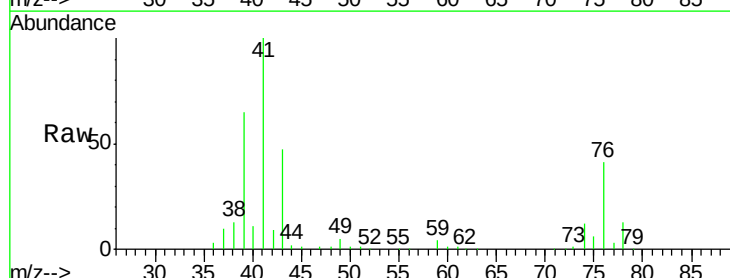
Tgt Ion: 41 Resp: 594563

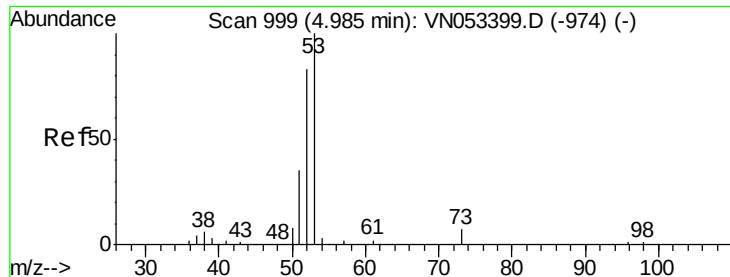
Ion Ratio Lower Upper

41 100

39 61.4 48.9 73.3

76 37.8 29.4 44.2





#15

Acrylonitrile

Concen: 225.036 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

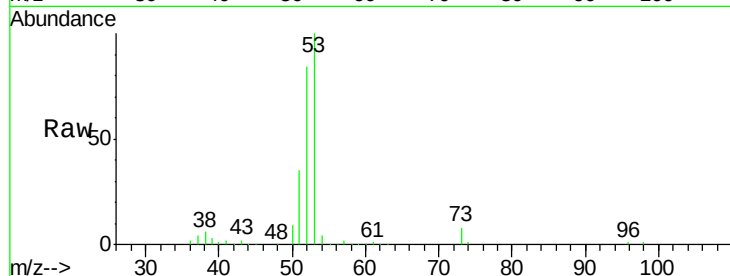
Tot Ion: 53 Resp: 575545

Ion Ratio Lower Upper

53 100

52 82.1 66.0 99.0

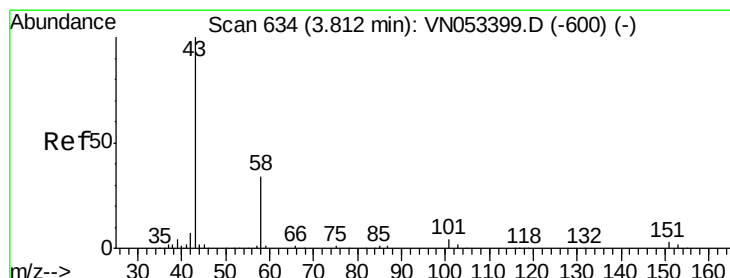
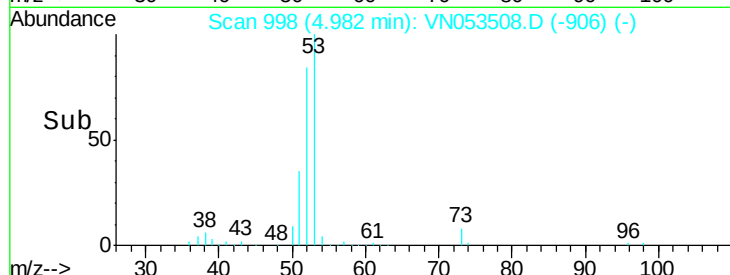
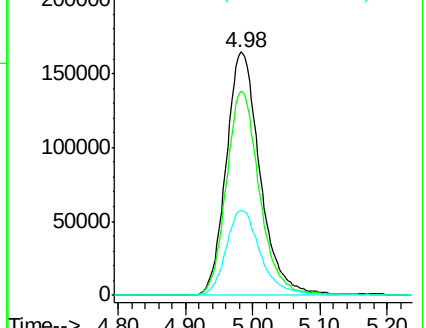
51 35.7 28.3 42.5



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: 243.136 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053508.D

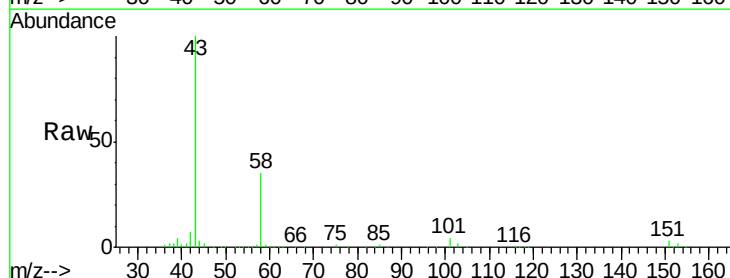
Acq: 22 Jan 2019 10:09

Tgt Ion: 43 Resp: 453051

Ion Ratio Lower Upper

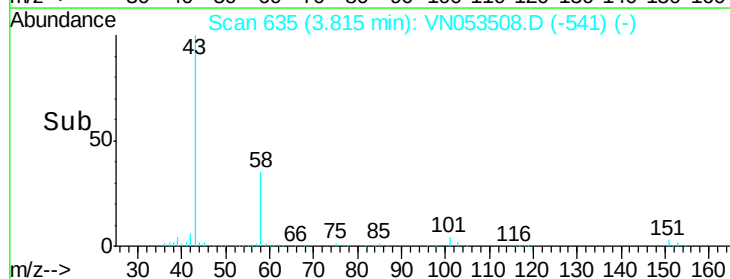
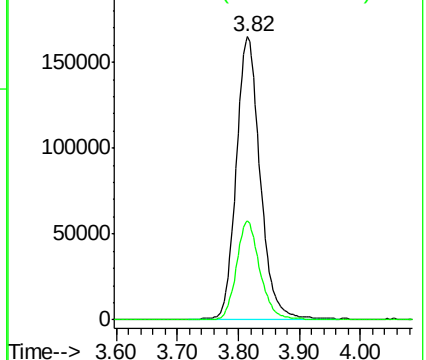
43 100

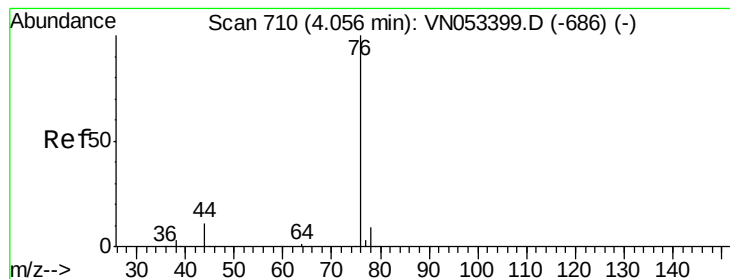
58 35.0 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 47.374 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

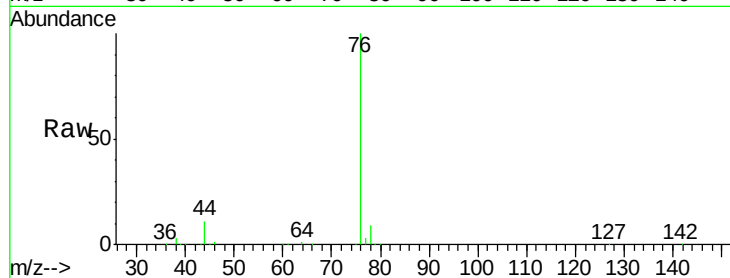
VSTDCCC050

Tot Ion: 76 Resp: 1024885

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

400000

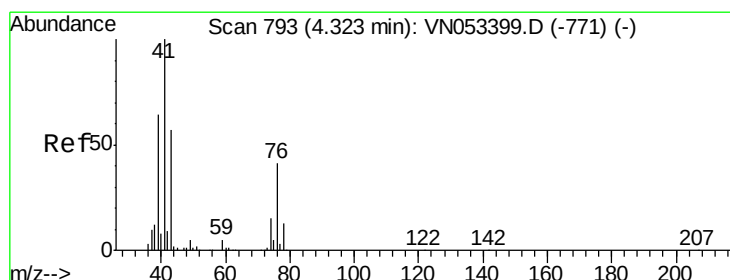
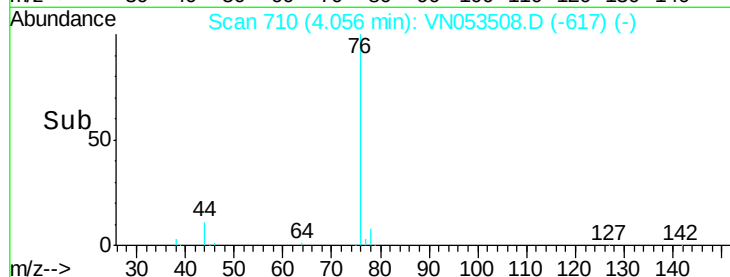
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 44.082 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN053508.D

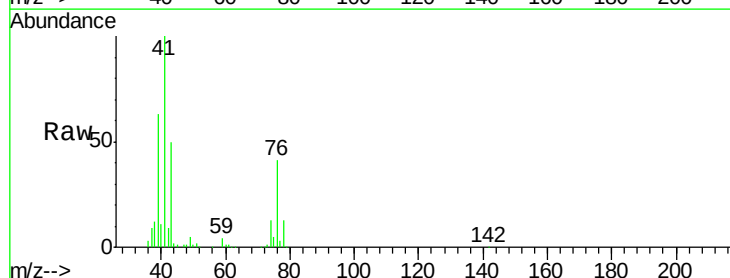
Acq: 22 Jan 2019 10:09

Tgt Ion: 43 Resp: 276743

Ion Ratio Lower Upper

43 100

74 25.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

100000

80000

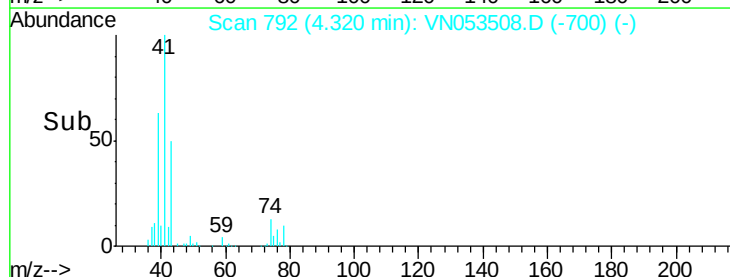
60000

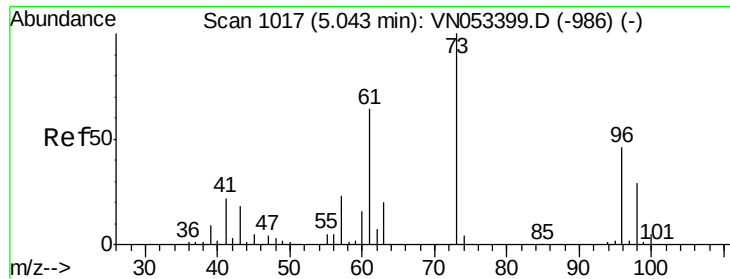
40000

20000

0

Time-->

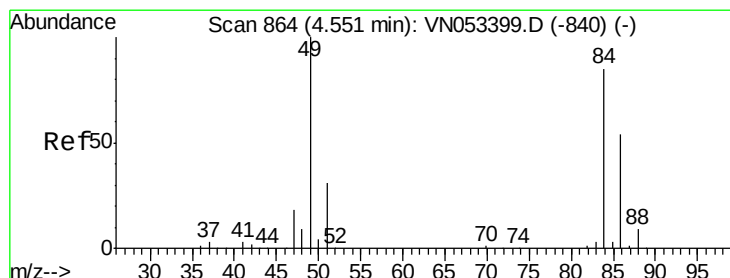
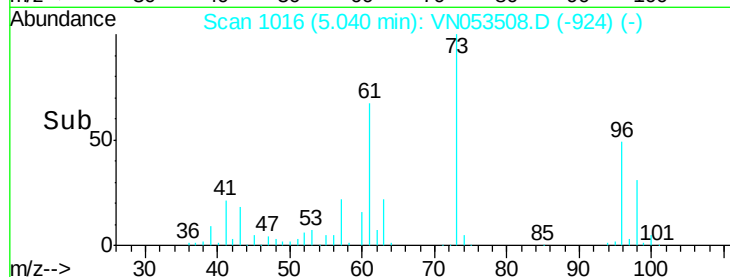
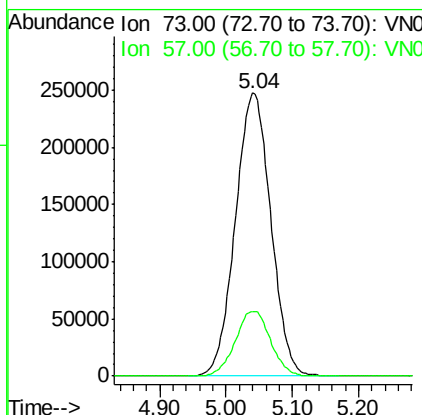
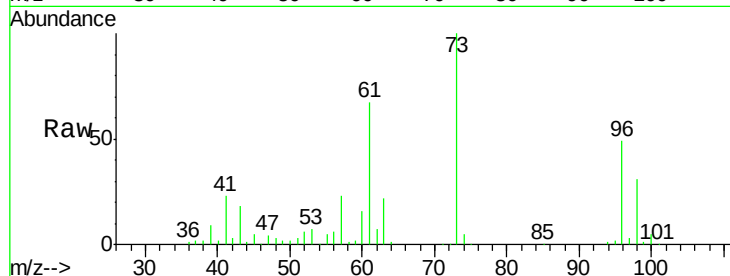




#19
Methyl tert-butyl Ether
Concen: 48.390 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

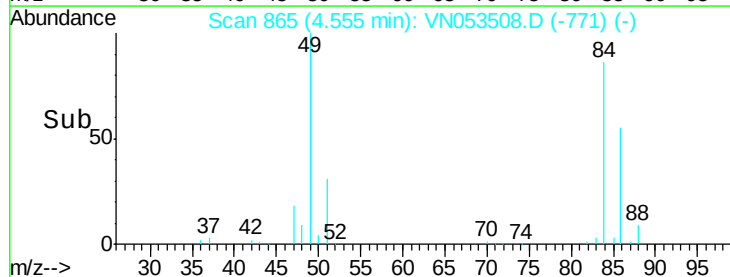
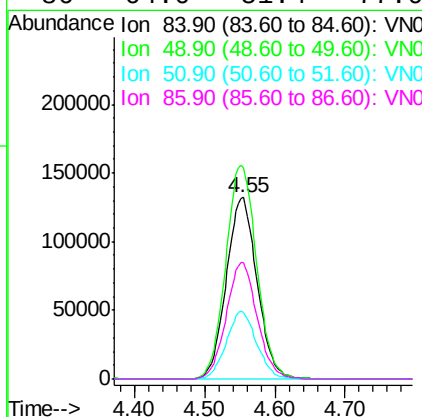
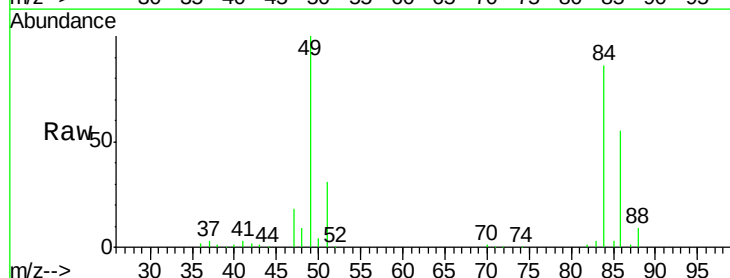
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

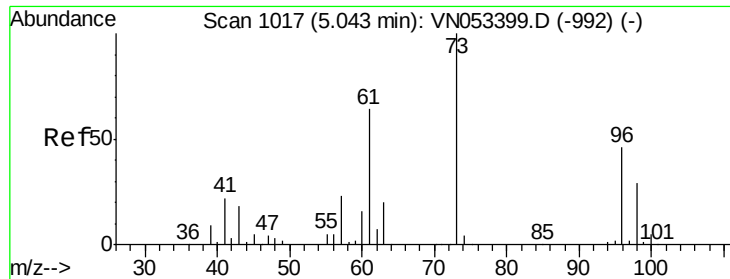
Tot Ion: 73 Resp: 919807
Ion Ratio Lower Upper
73 100
57 22.8 18.3 27.5



#20
Methylene Chloride
Concen: 47.433 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion: 84 Resp: 403523
Ion Ratio Lower Upper
84 100
49 116.5 94.3 141.5
51 36.7 29.4 44.2
86 64.0 51.4 77.0

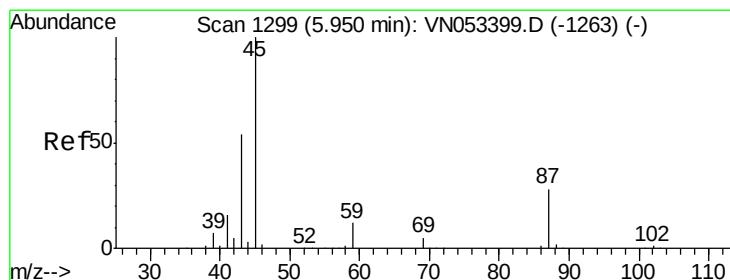
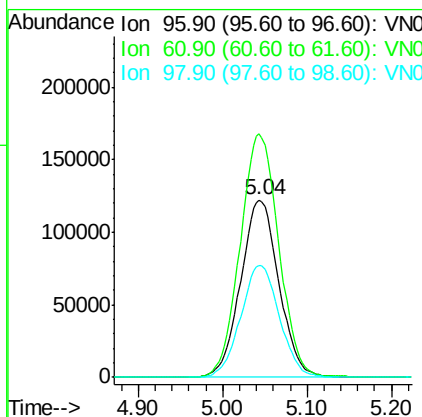
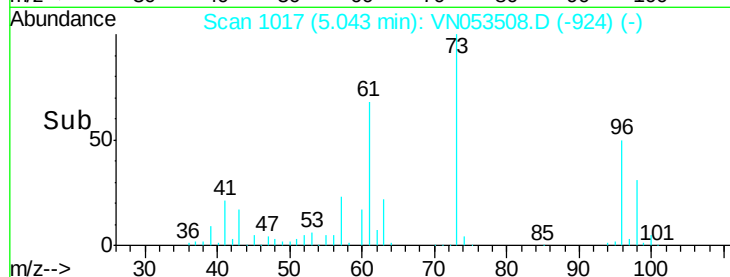
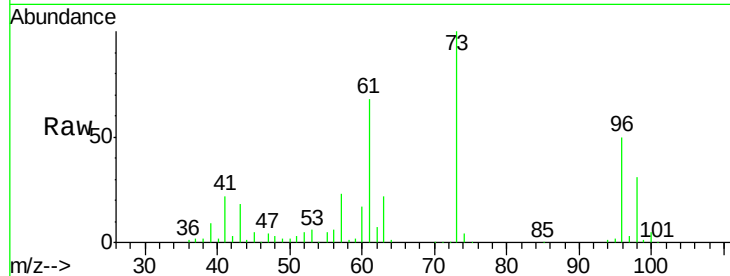




#21
trans-1,2-Dichloroethene
Concen: 50.345 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

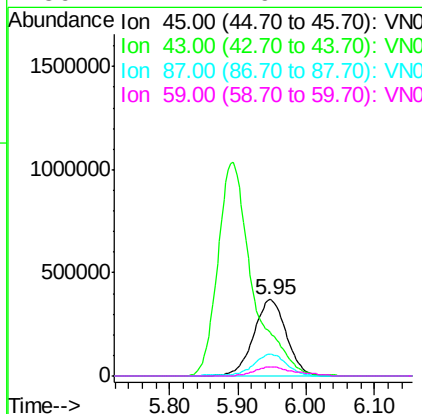
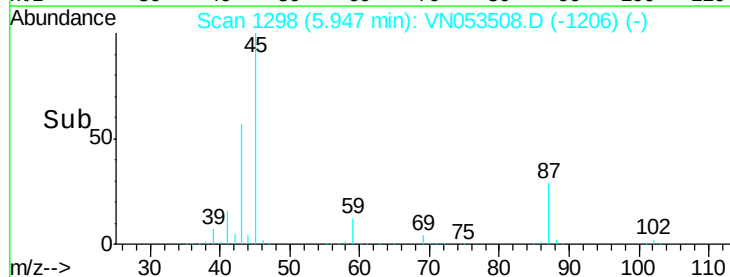
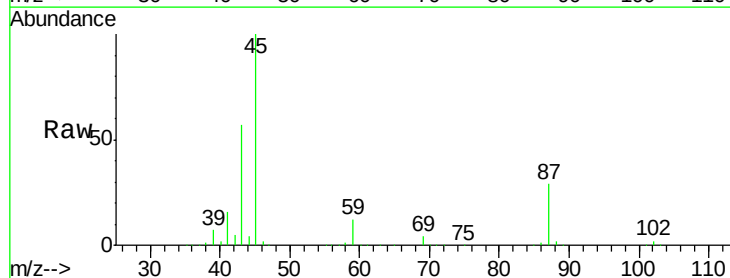
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

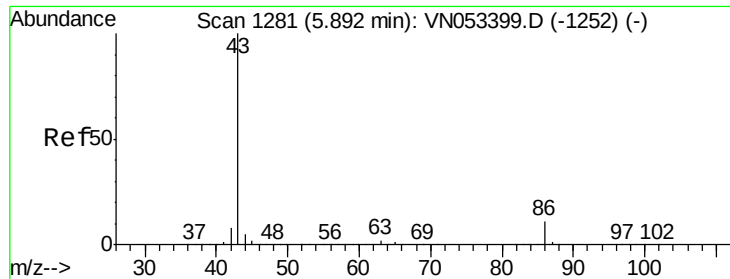
Tot Ion: 96 Resp: 385052
Ion Ratio Lower Upper
96 100
61 137.3 110.1 165.1
98 63.1 50.0 75.0



#22
Diisopropyl ether
Concen: 50.939 ug/l
RT: 5.95 min Scan# 1298
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion: 45 Resp: 1235707
Ion Ratio Lower Upper
45 100
43 56.4 44.2 66.4
87 28.6 22.7 34.1
59 12.1 9.4 14.2





#23

Vinyl Acetate

Concen: 244.678 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

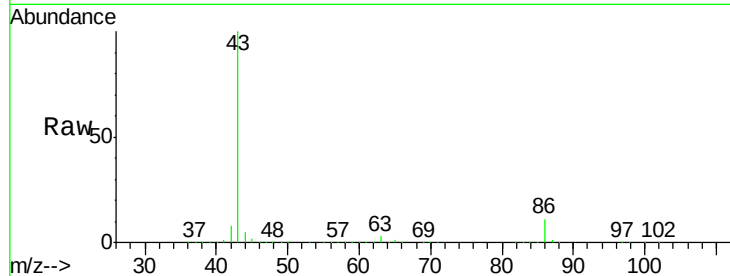
VSTDCCC050

Tot Ion: 43 Resp: 3648638

Ion Ratio Lower Upper

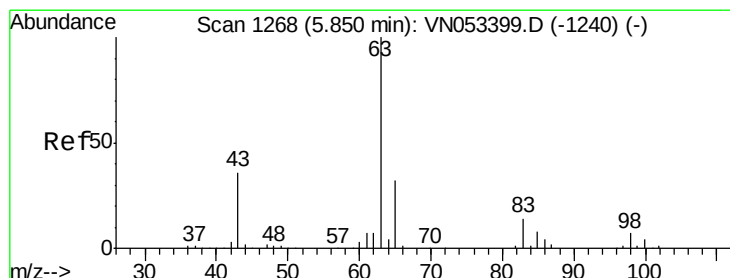
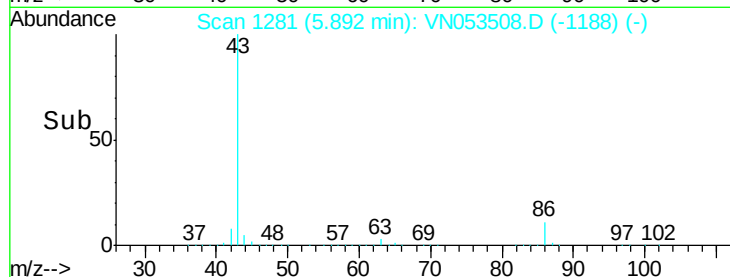
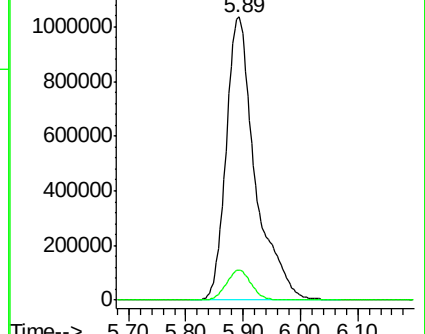
43 100

86 10.6 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1252) (-)

Ion 86.00 (85.70 to 86.70): VN053399.D (-1252) (-)



#24

1,1-Dichloroethane

Concen: 50.962 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

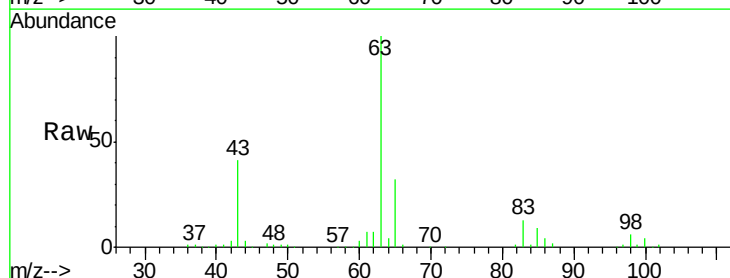
Tgt Ion: 63 Resp: 730829

Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.9

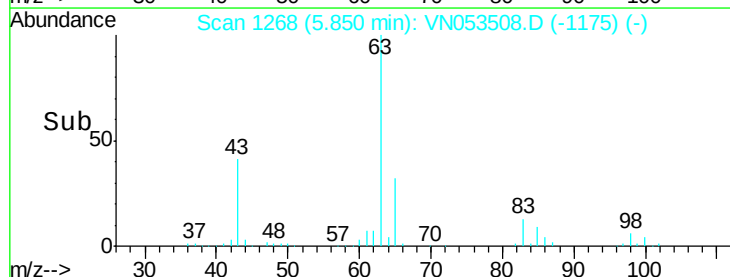
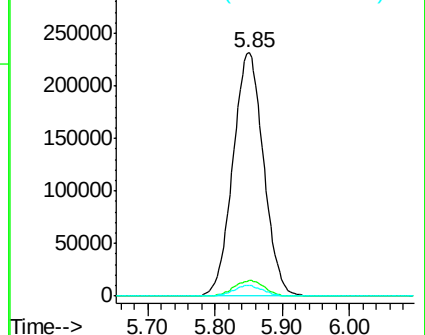
100 4.3 2.1 6.5

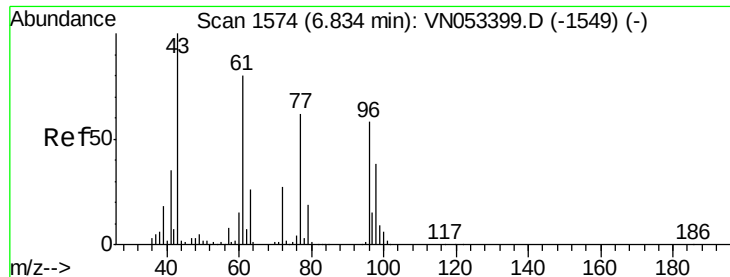


Abundance Ion 62.90 (62.60 to 63.60): VN053399.D (-1240) (-)

Ion 97.90 (97.60 to 98.60): VN053399.D (-1240) (-)

Ion 99.90 (99.60 to 100.60): VN053399.D (-1240) (-)

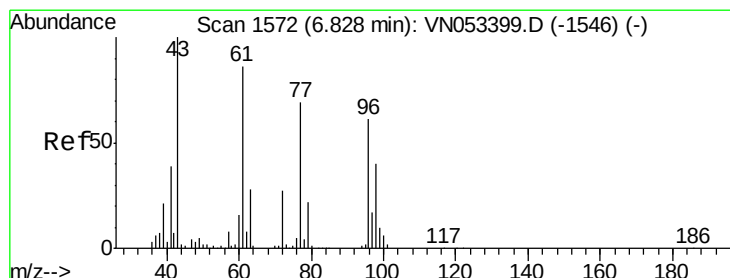
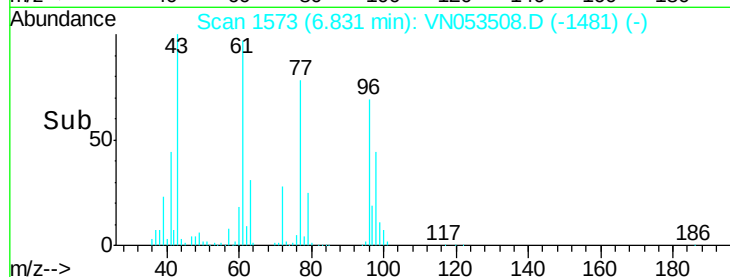
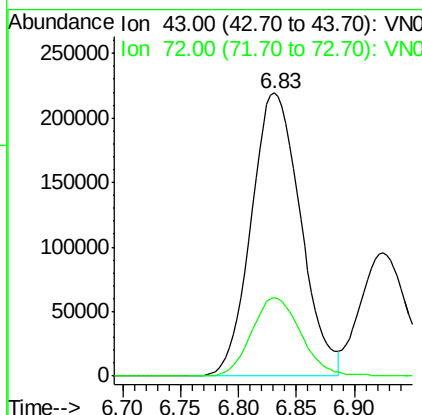
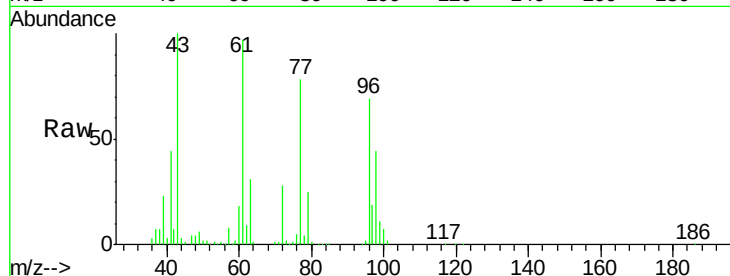




#25
2-Butanone
Concen: 225.568 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

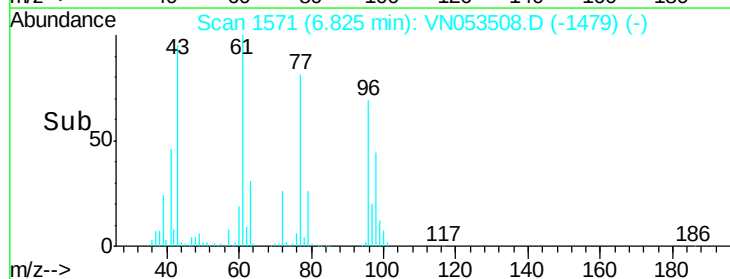
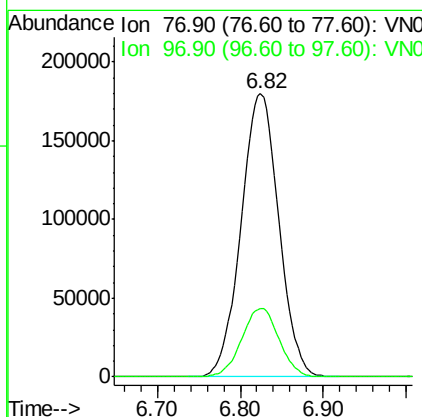
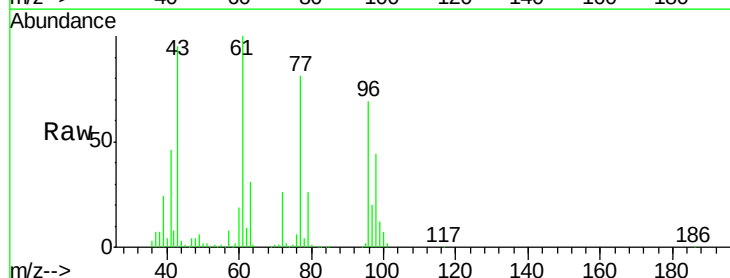
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

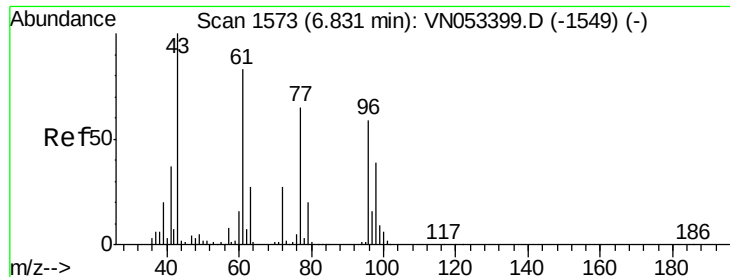
Tot Ion: 43 Resp: 647709
Ion Ratio Lower Upper
43 100
72 28.0 22.0 33.0



#26
2,2-Dichloropropane
Concen: 52.514 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion: 77 Resp: 568598
Ion Ratio Lower Upper
77 100
97 24.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 51.061 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

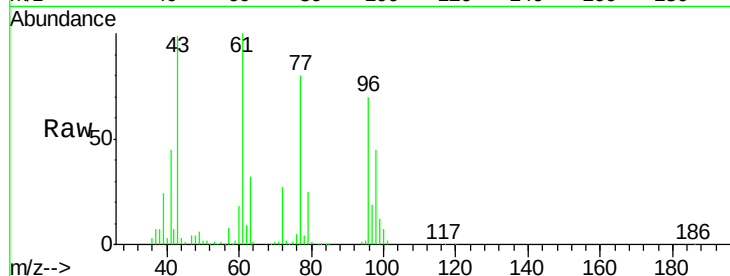
Tot Ion: 96 Resp: 446580

Ion Ratio Lower Upper

96 100

61 144.2 0.0 283.8

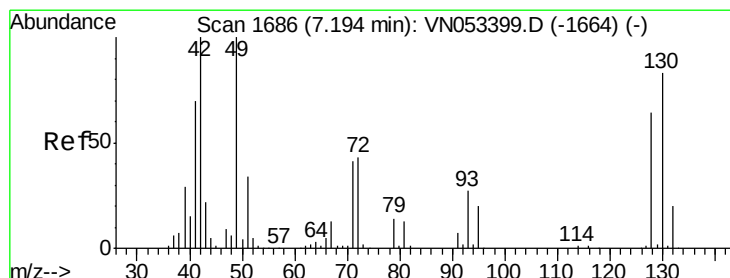
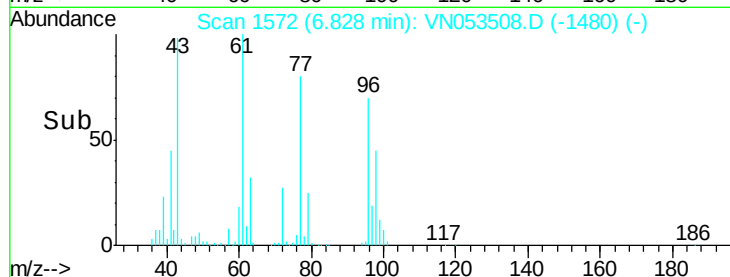
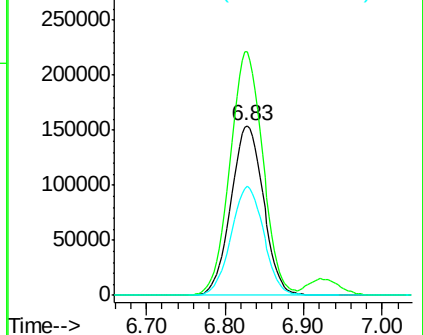
98 64.2 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053399.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN053399.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN053399.D (-1549) (-)



#28

Bromochloromethane

Concen: 43.452 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

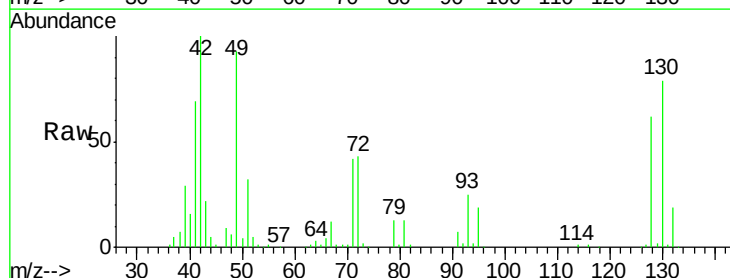
Tgt Ion: 49 Resp: 274514

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

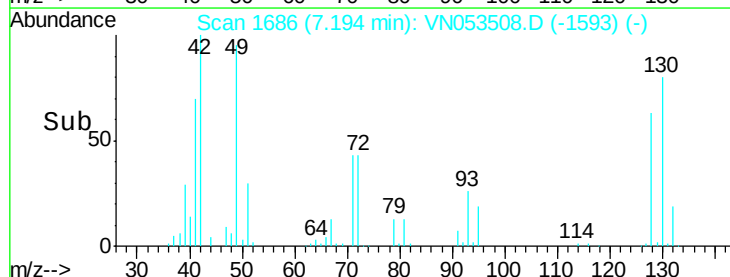
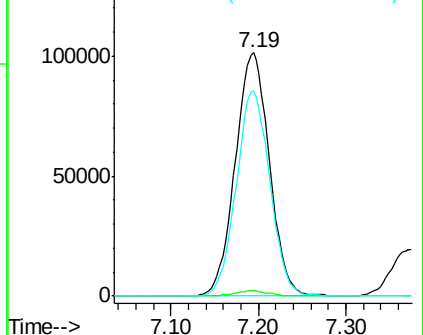
130 83.3 66.3 99.5

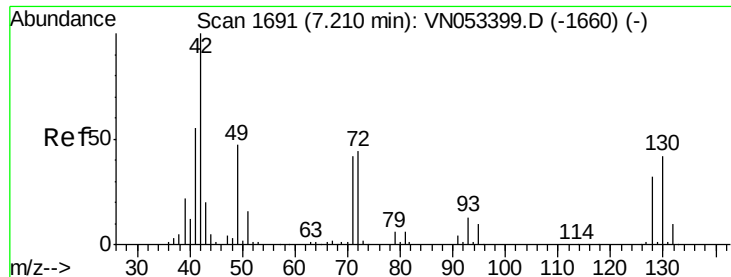


Abundance Ion 48.90 (48.60 to 49.60): VN053399.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN053399.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN053399.D (-1664) (-)





#29

Tetrahydrofuran

Concen: 214.972 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

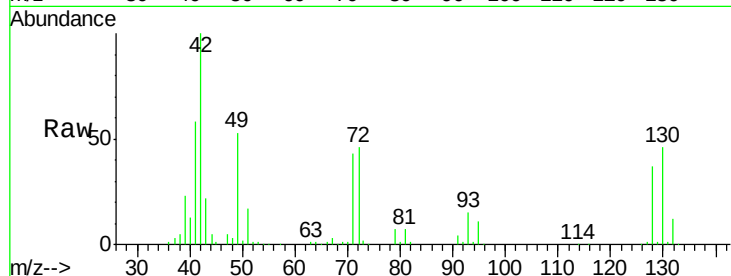
Tot Ion: 42 Resp: 401853

Ion Ratio Lower Upper

42 100

72 44.3 35.2 52.8

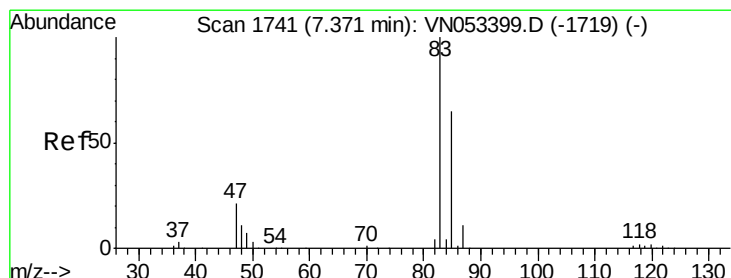
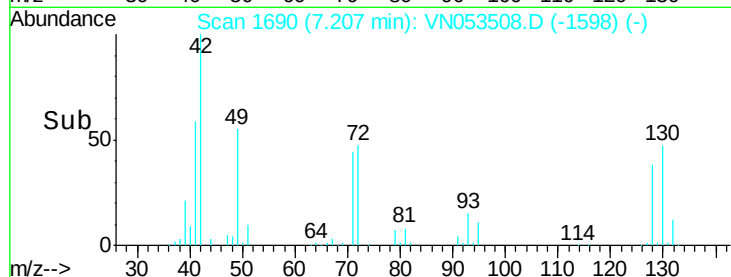
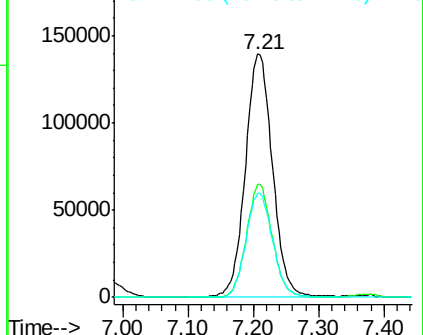
71 42.1 33.0 49.4



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 51.272 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN053508.D

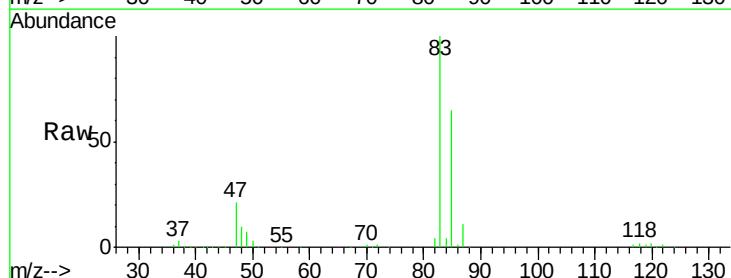
Acq: 22 Jan 2019 10:09

Tgt Ion: 83 Resp: 716386

Ion Ratio Lower Upper

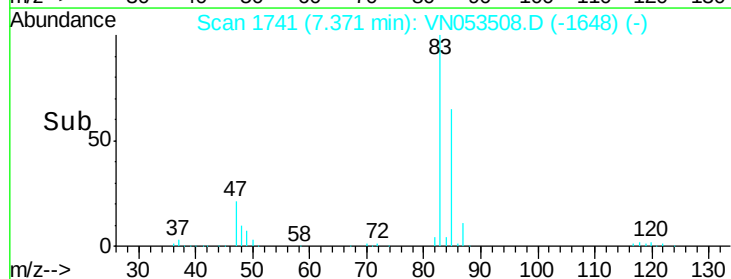
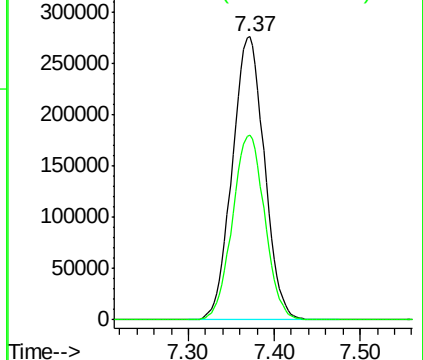
83 100

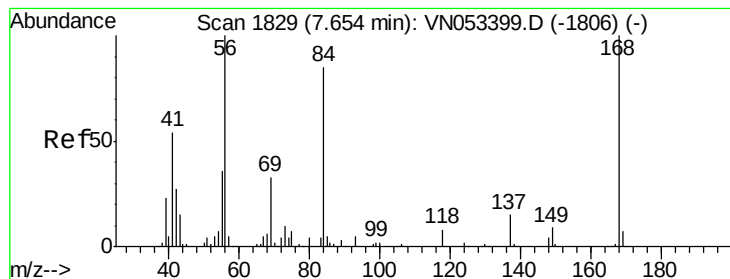
85 65.3 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 49.436 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

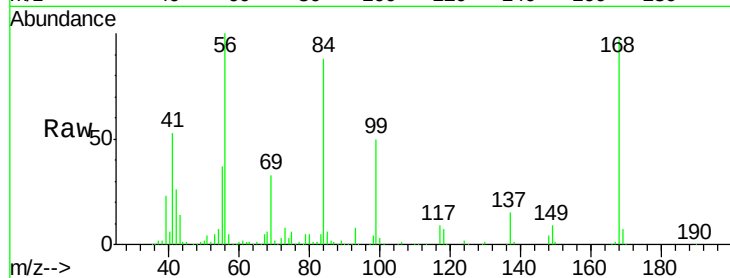
Tot Ion: 56 Resp: 689968

Ion Ratio Lower Upper

56 100

69 33.0 26.4 39.6

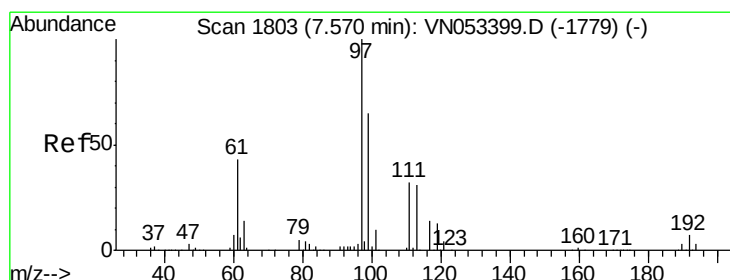
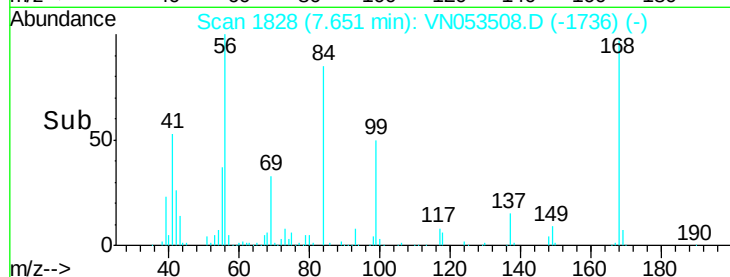
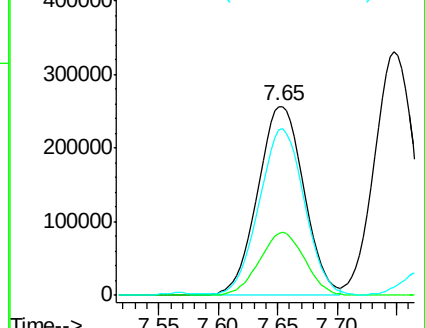
84 86.9 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN053399.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN053399.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN053399.D (-1806) (-)



#32

1,1,1-Trichloroethane

Concen: 51.162 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

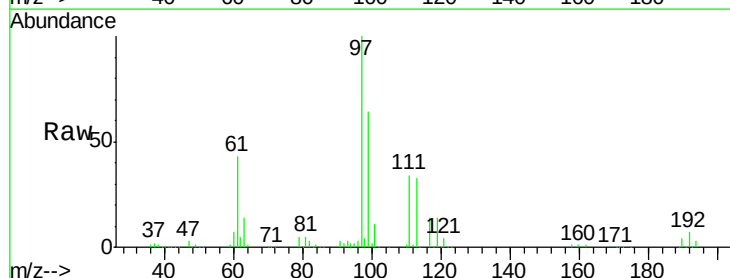
Tgt Ion: 97 Resp: 606403

Ion Ratio Lower Upper

97 100

99 64.7 52.0 78.0

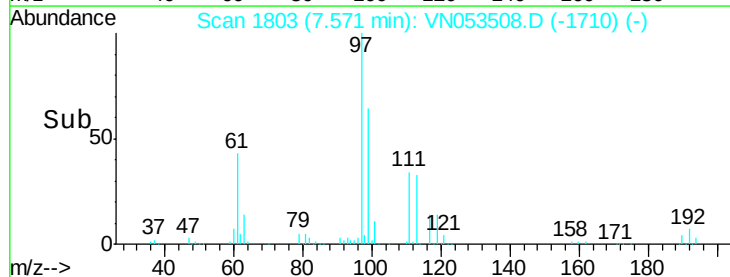
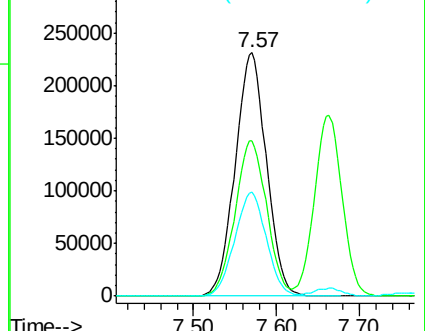
61 43.2 34.4 51.6

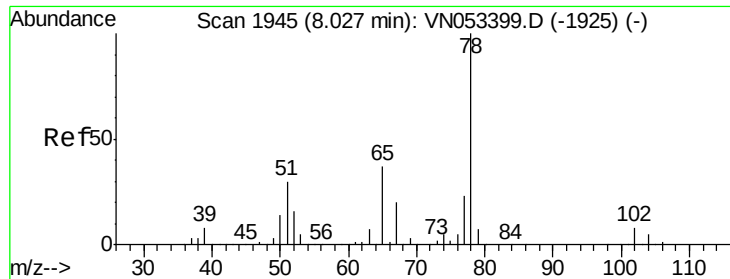


Abundance Ion 96.90 (96.60 to 97.60): VN053399.D (-1779) (-)

Ion 98.90 (98.60 to 99.60): VN053399.D (-1779) (-)

Ion 60.90 (60.60 to 61.60): VN053399.D (-1779) (-)

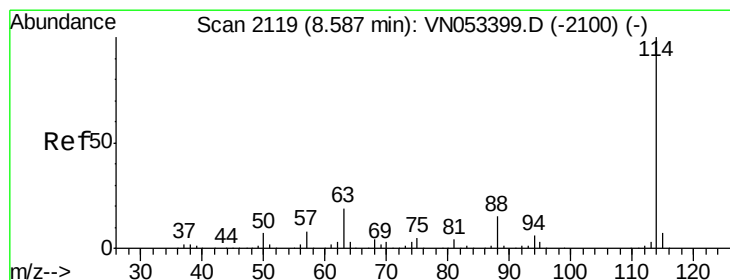
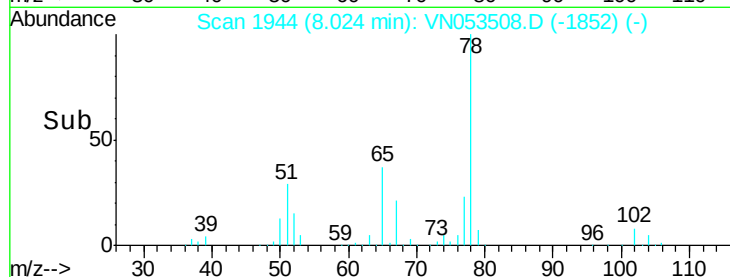
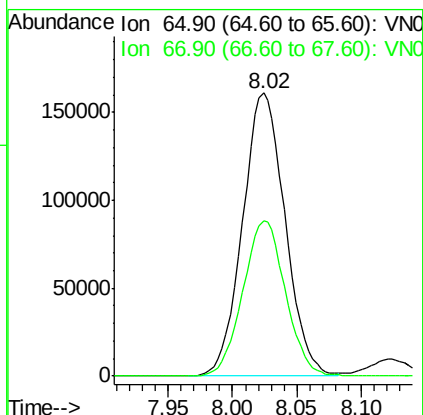
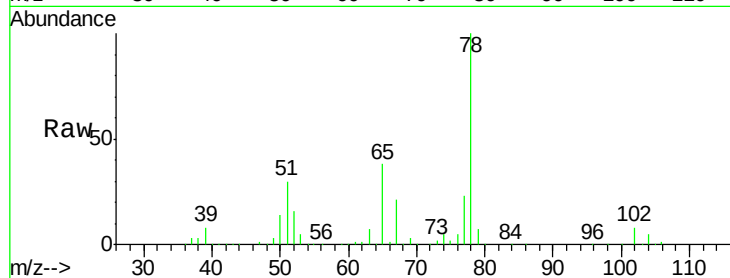




#33
 1,2-Dichloroethane-d4
 Concen: 51.162 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

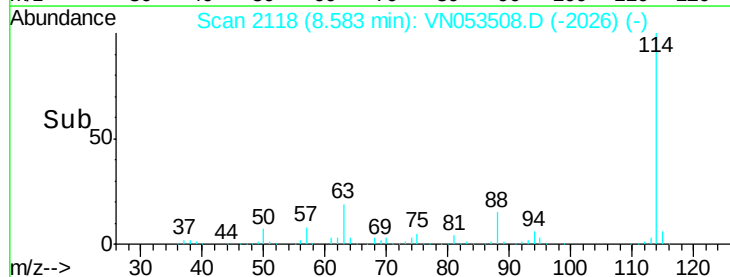
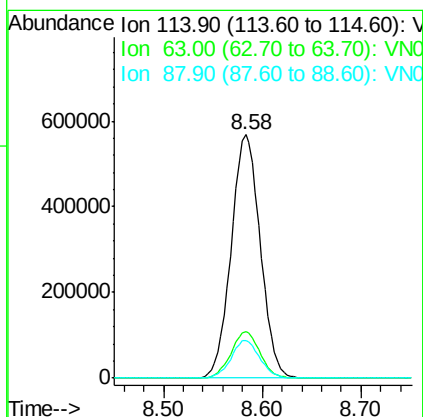
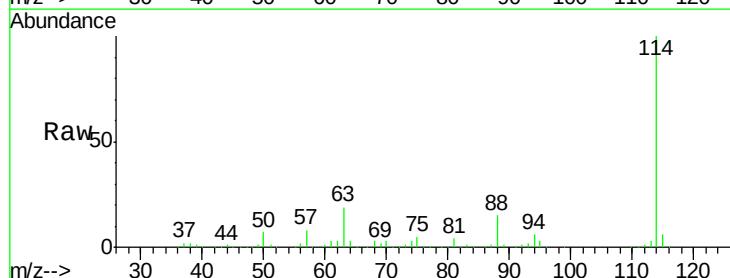
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

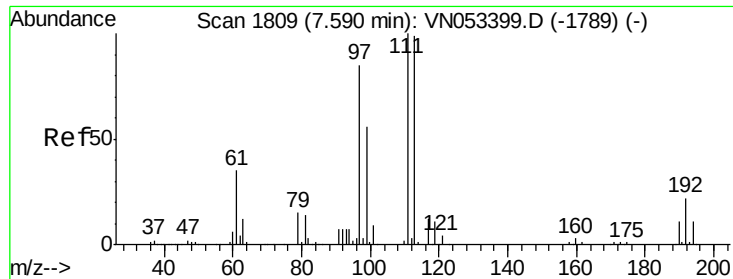
Tot Ion: 65 Resp: 370496
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Tgt Ion: 114 Resp: 1168199
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 15.4 0.0 30.4

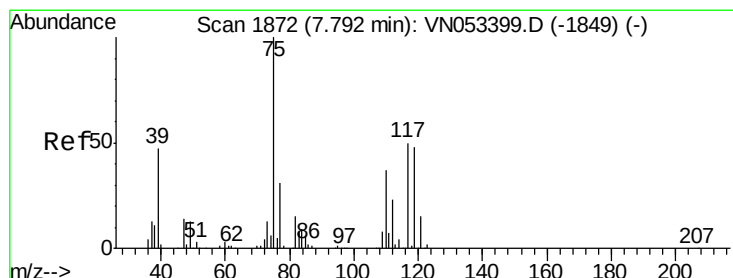
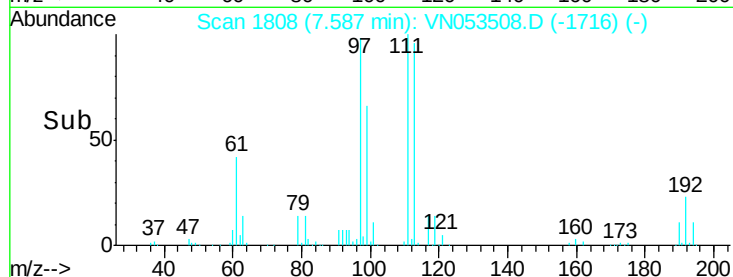
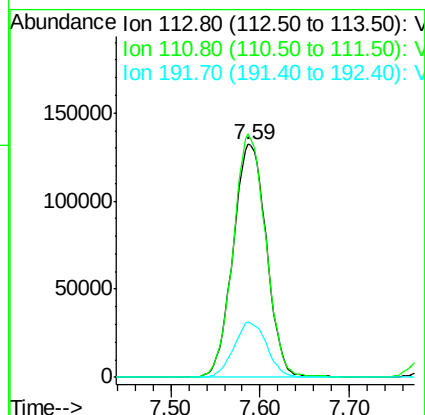
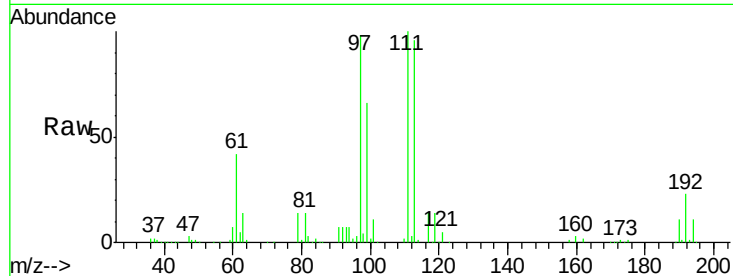




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

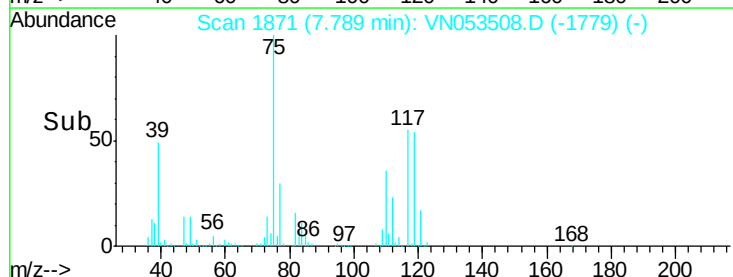
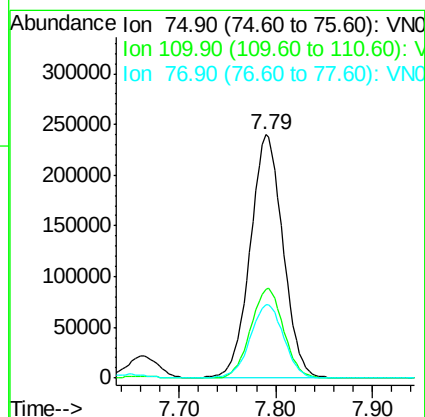
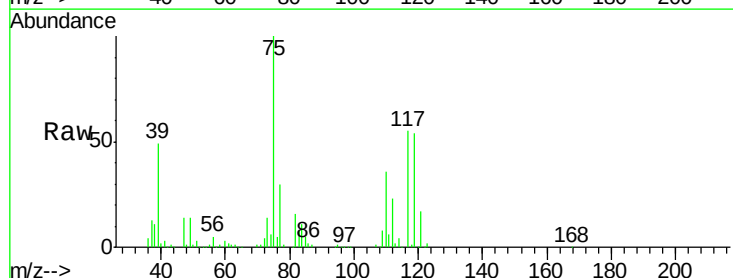
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

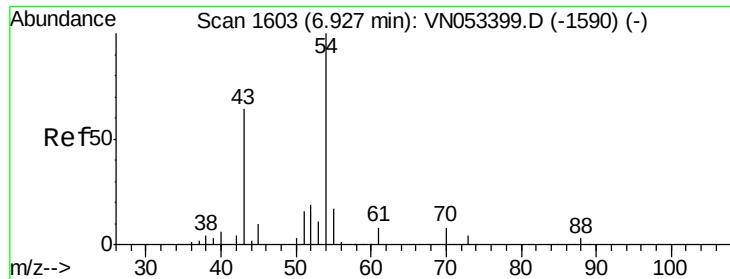
Tot Ion:113 Resp: 343282
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.1 121.7
 192 23.2 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 52.832 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Tgt Ion: 75 Resp: 562074
 Ion Ratio Lower Upper
 75 100
 110 37.0 18.1 54.3
 77 31.2 25.1 37.7

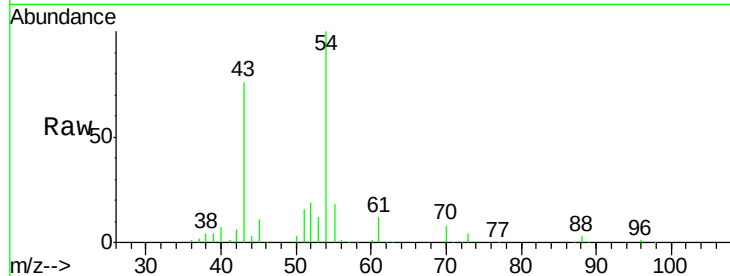




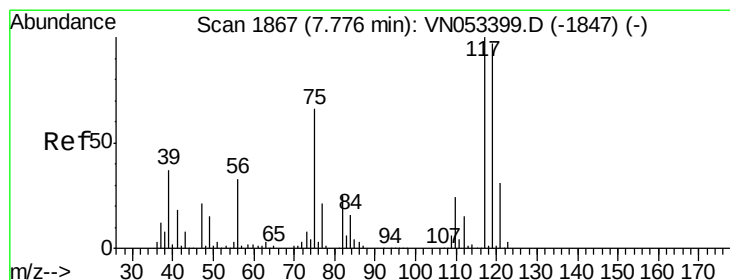
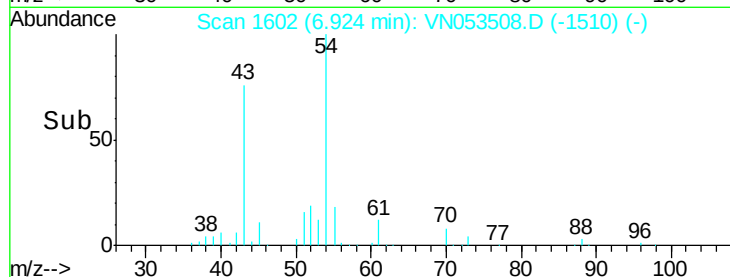
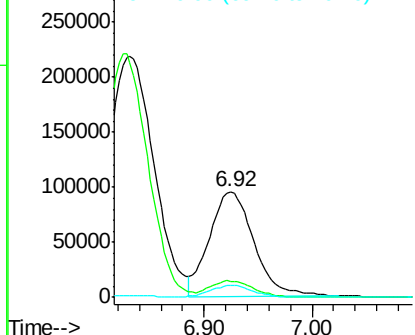
#37
Ethyl Acetate
Concen: 44.667 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 273401
Ion Ratio Lower Upper
43 100
61 15.2 11.8 17.6
70 10.9 8.6 12.8

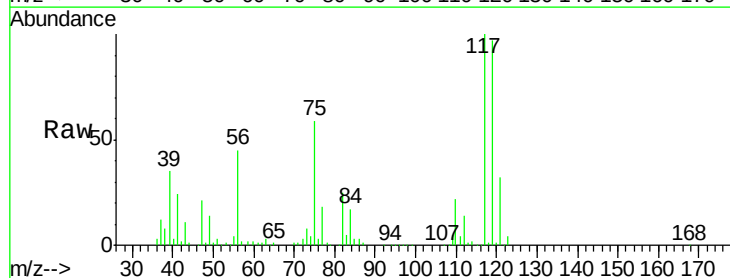


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

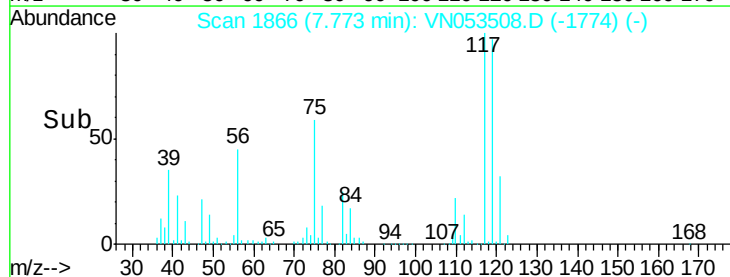
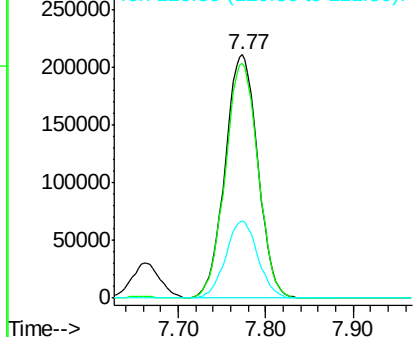


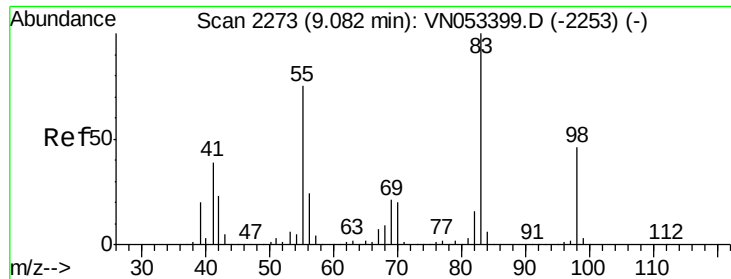
#38
Carbon Tetrachloride
Concen: 54.216 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion: 117 Resp: 546081
Ion Ratio Lower Upper
117 100
119 96.5 77.2 115.8
121 31.6 24.6 37.0



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

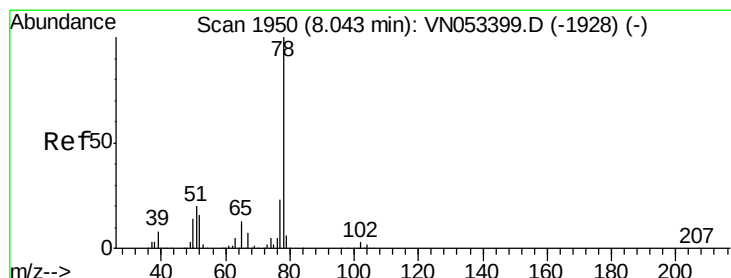
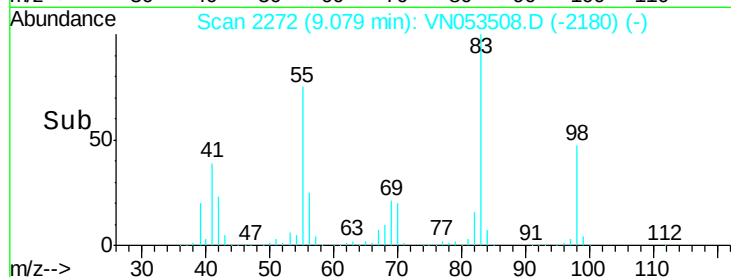
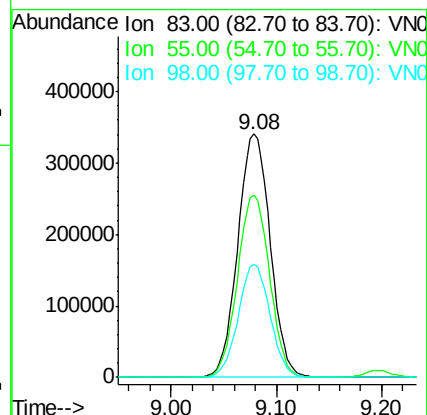
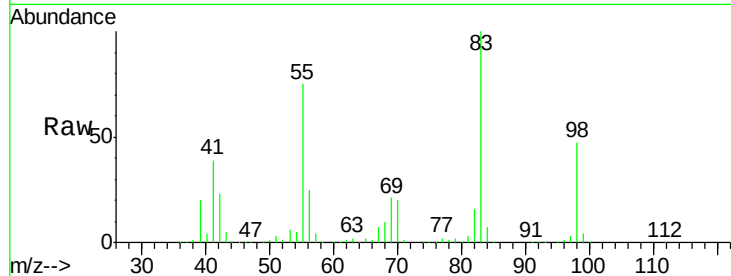




#39
Methylvlcyclohexane
Concen: 55.182 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

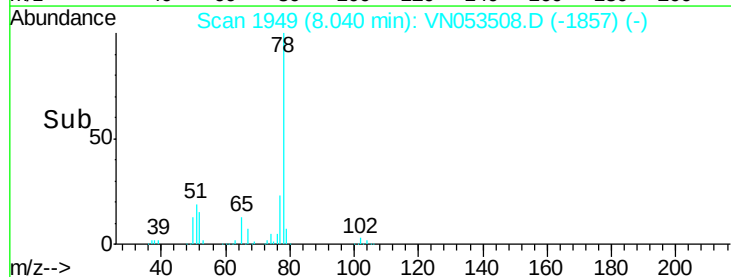
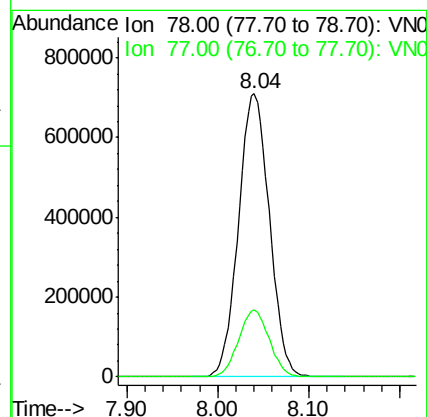
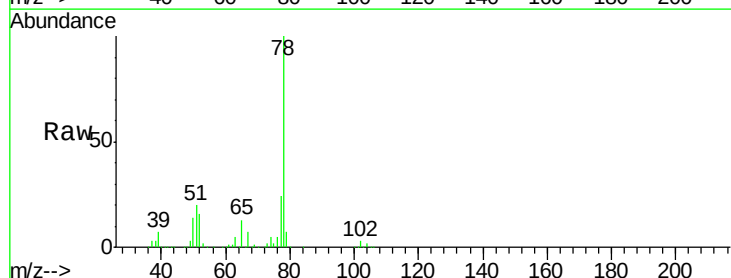
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

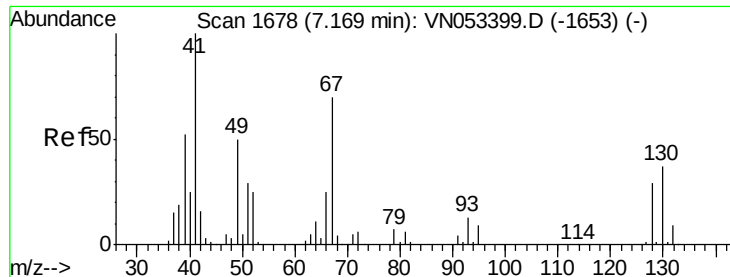
Tot Ion: 83 Resp: 725624
Ion Ratio Lower Upper
83 100
55 75.0 60.1 90.1
98 46.6 36.6 55.0



#40
Benzene
Concen: 51.839 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion: 78 Resp: 1675934
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2

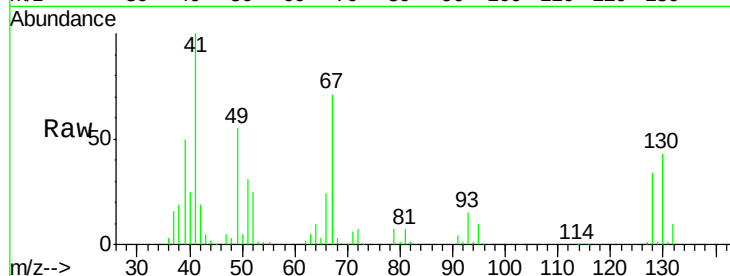




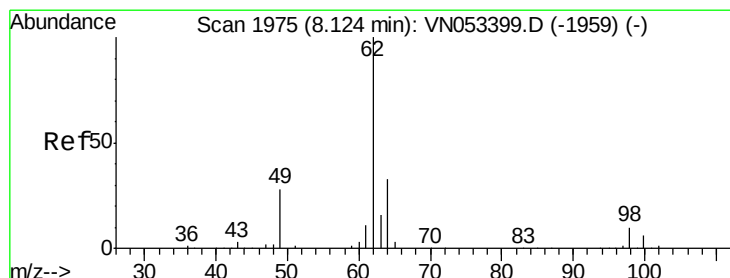
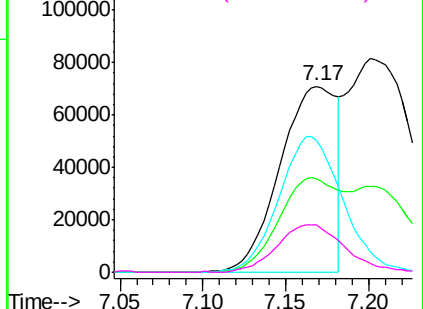
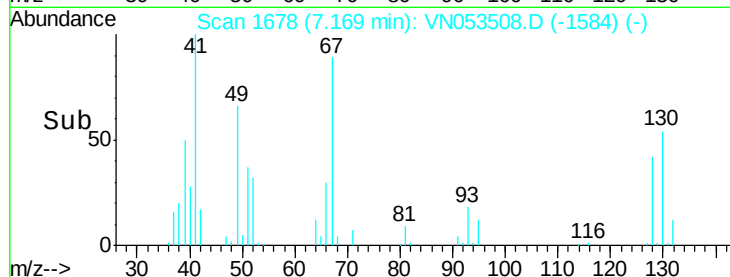
#41
Methacrylonitrile
Concen: 46.194 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 167822
Ion Ratio Lower Upper
41 100
39 57.2 46.8 70.2
67 82.9 63.0 94.6
52 30.2 23.8 35.8

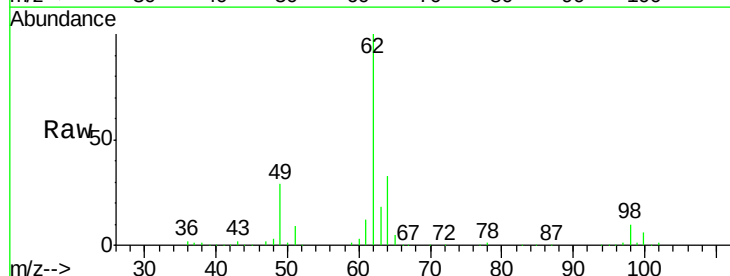


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

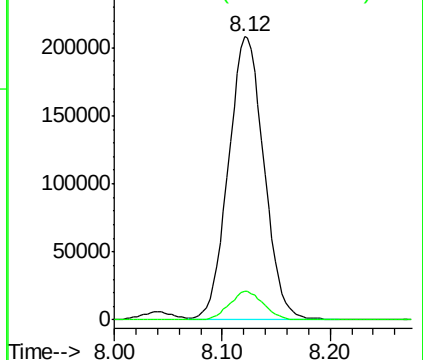
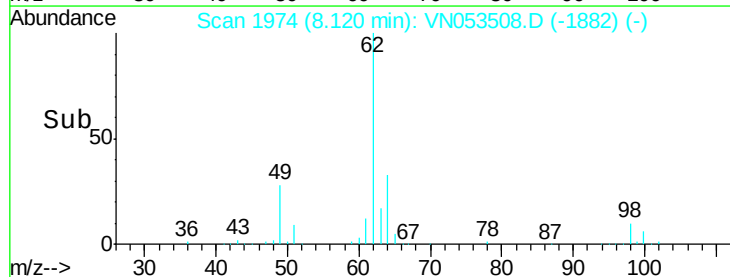


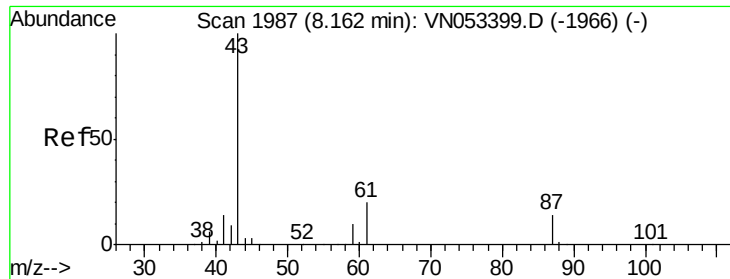
#42
1,2-Dichloroethane
Concen: 50.538 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion: 62 Resp: 475993
Ion Ratio Lower Upper
62 100
98 9.8 0.0 19.6



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





#43

Isopropyl Acetate

Concen: 46.713 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

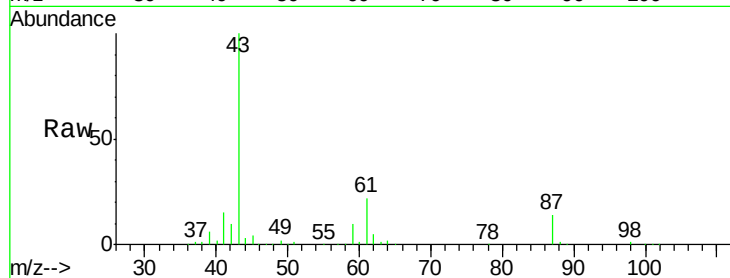
Tot Ion: 43 Resp: 514130

Ion Ratio Lower Upper

43 100

61 31.3 23.9 35.9

87 13.8 11.0 16.6

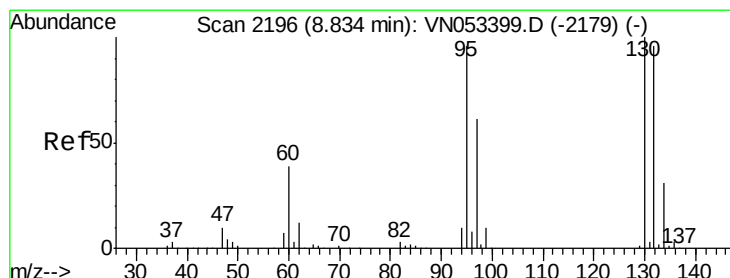
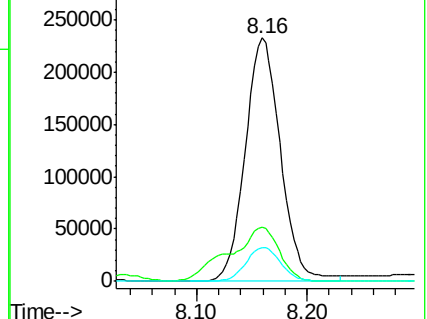
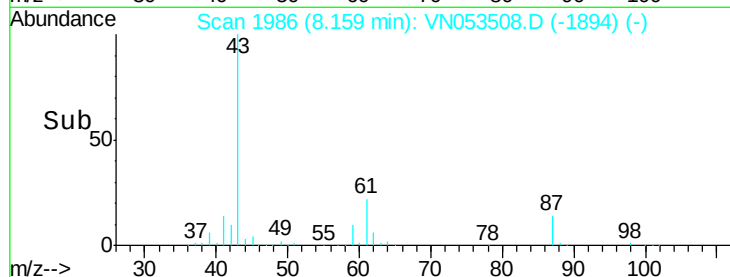


Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1966) (-)

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

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

Time-->



#44

Trichloroethene

Concen: 54.025 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053508.D

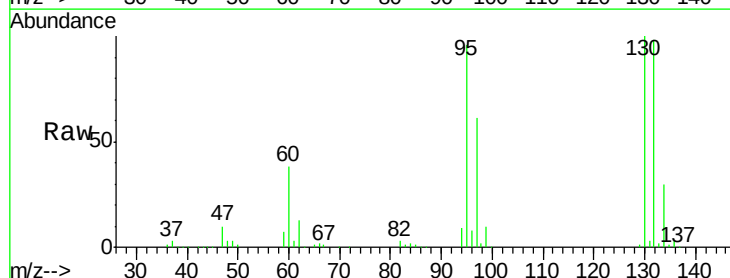
Acq: 22 Jan 2019 10:09

Tgt Ion:130 Resp: 484360

Ion Ratio Lower Upper

130 100

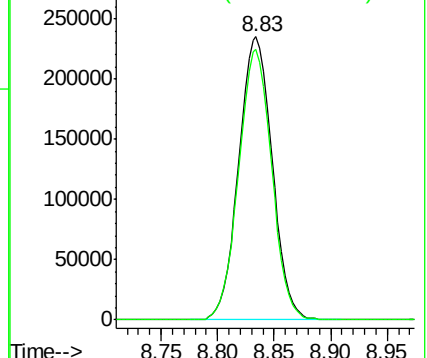
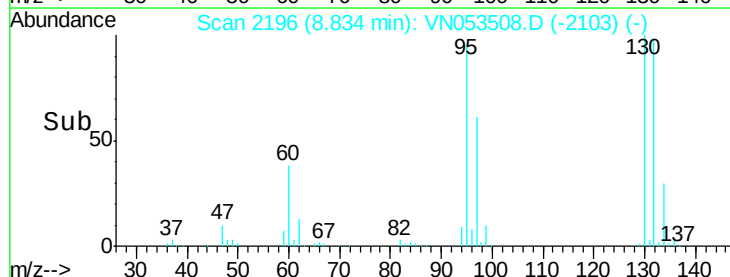
95 95.8 0.0 191.4

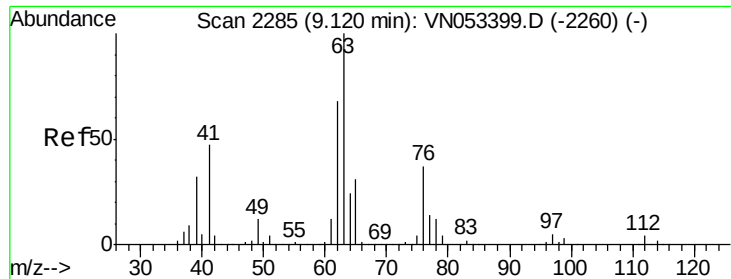


Abundance Ion 129.80 (129.50 to 130.50): VN053399.D (-2179) (-)

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

Time-->

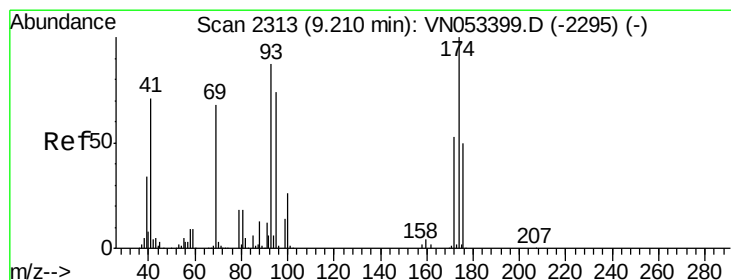
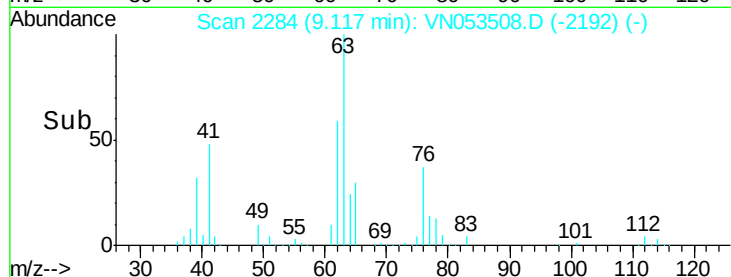
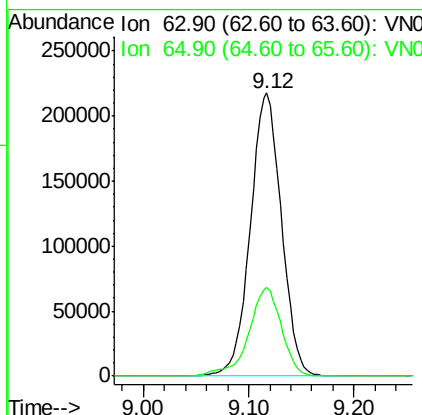
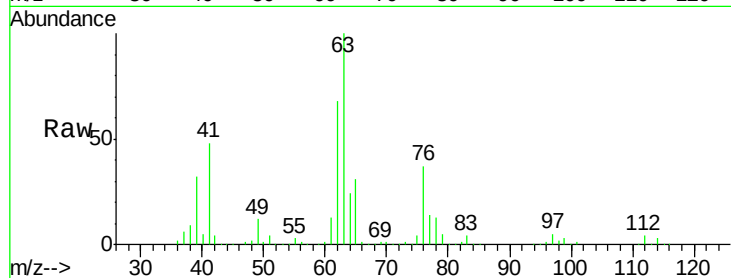




#45
 1,2-Dichloropropane
 Concen: 52.199 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

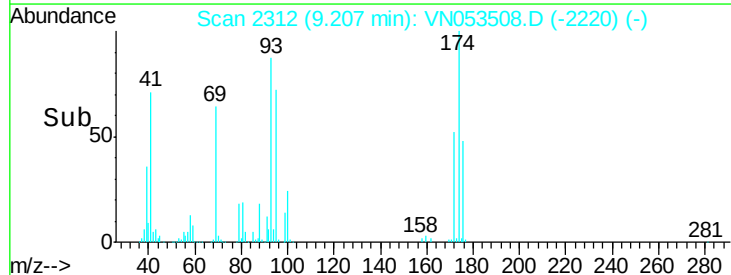
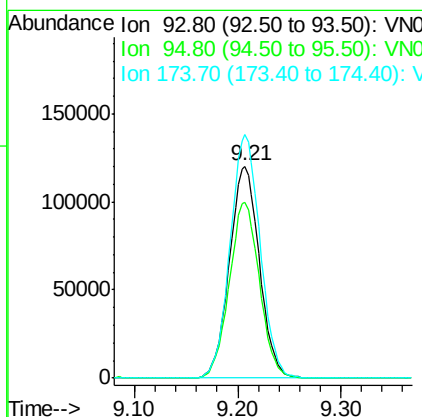
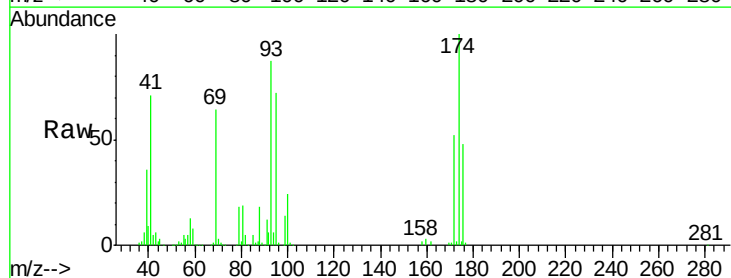
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

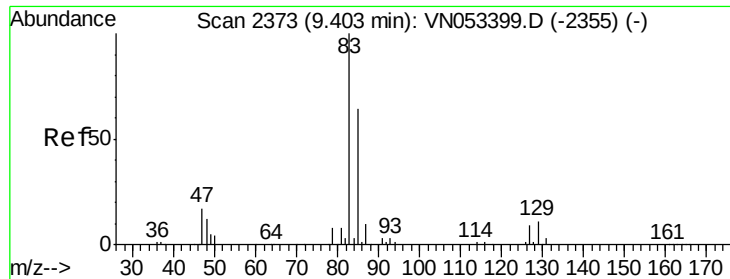
Tot Ion: 63 Resp: 446988
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.4



#46
 Dibromomethane
 Concen: 49.479 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Tgt Ion: 93 Resp: 243431
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.3 100.9
 174 115.4 91.0 136.4

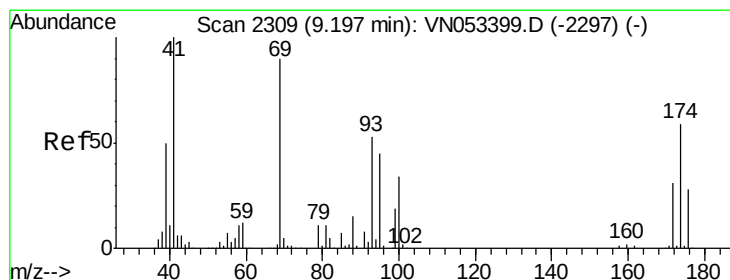
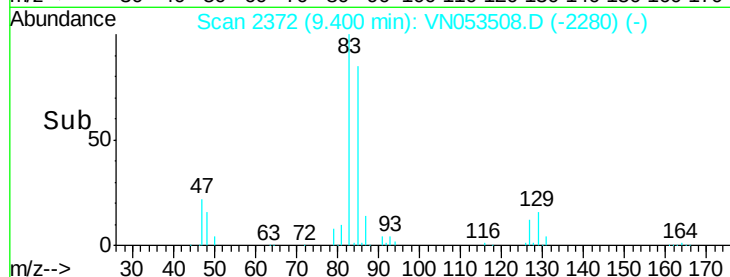
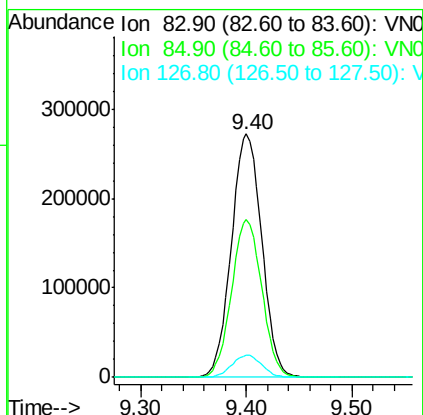
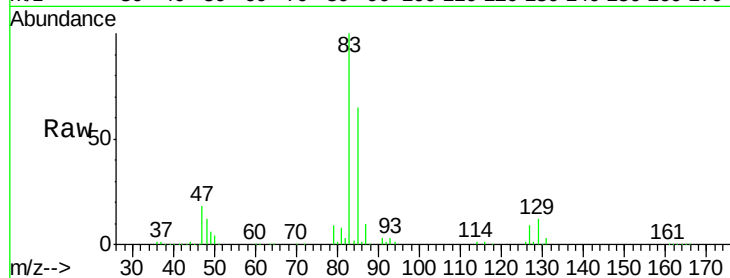




#47
Bromodichloromethane
Concen: 52.609 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

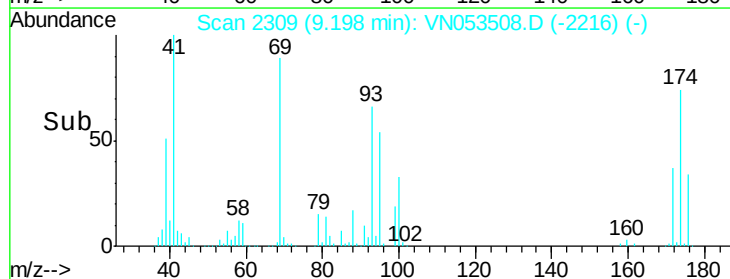
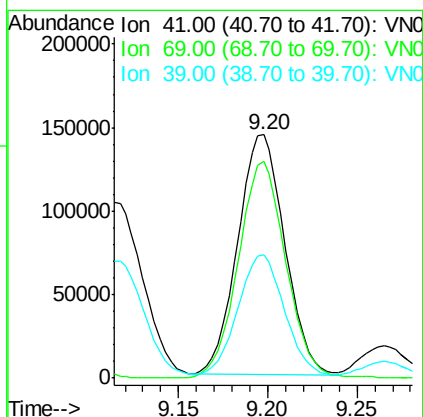
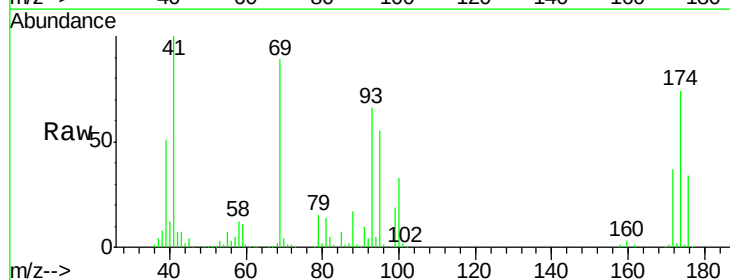
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

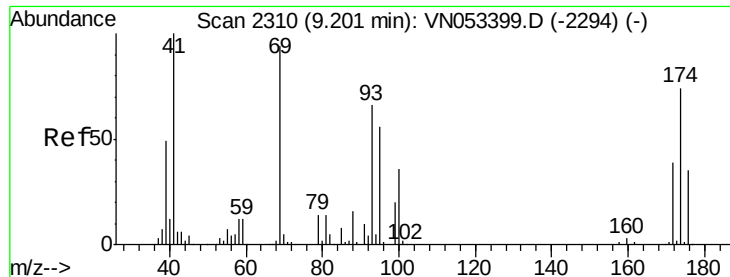
Tot Ion: 83 Resp: 544313
Ion Ratio Lower Upper
83 100
85 64.7 51.0 76.6
127 9.2 7.0 10.6



#48
Methyl methacrylate
Concen: 46.661 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion: 41 Resp: 265160
Ion Ratio Lower Upper
41 100
69 91.7 73.8 110.6
39 49.5 40.0 60.0





#49

1,4-Dioxane

Concen: 1027.449 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

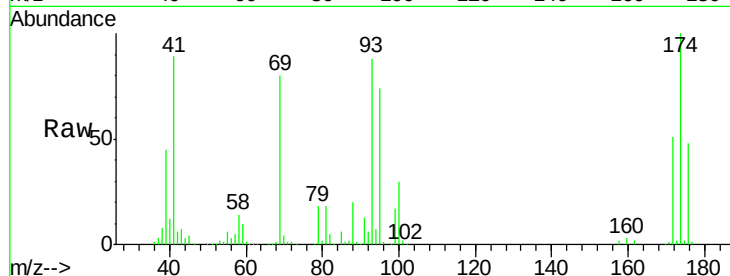
Tot Ion: 88 Resp: 57022

Ion Ratio Lower Upper

88 100

43 32.1 27.8 41.6

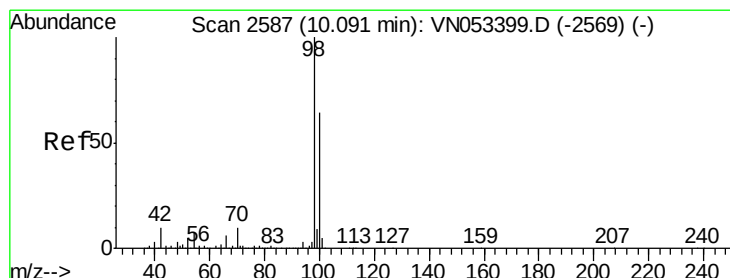
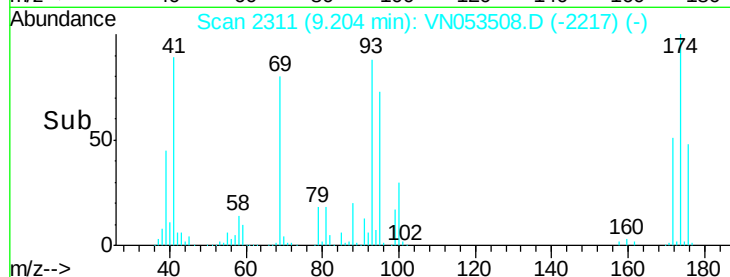
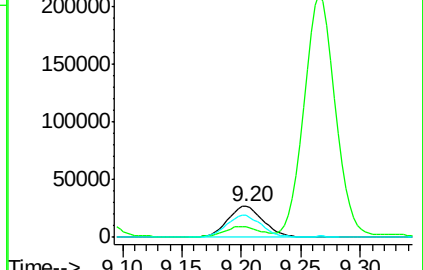
58 70.4 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN053399.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN053399.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-2294) (-)



#50

Toluene-d8

Concen: 1027.449 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN053508.D

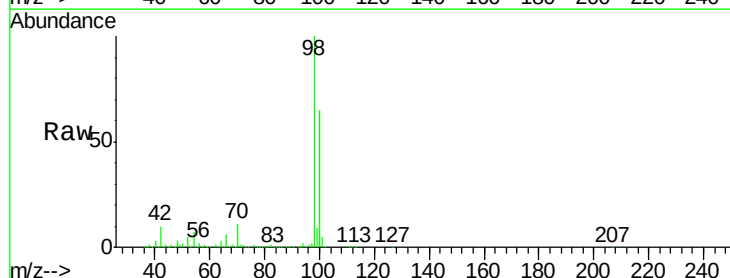
Acq: 22 Jan 2019 10:09

Tgt Ion: 98 Resp: 1400829

Ion Ratio Lower Upper

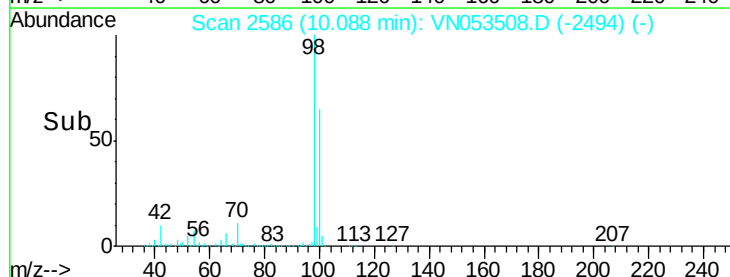
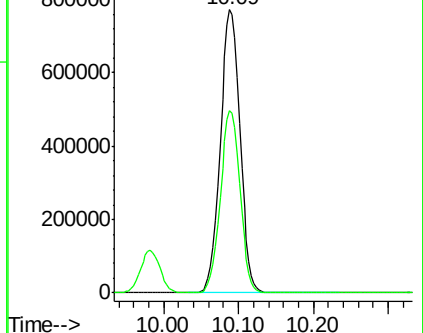
98 100

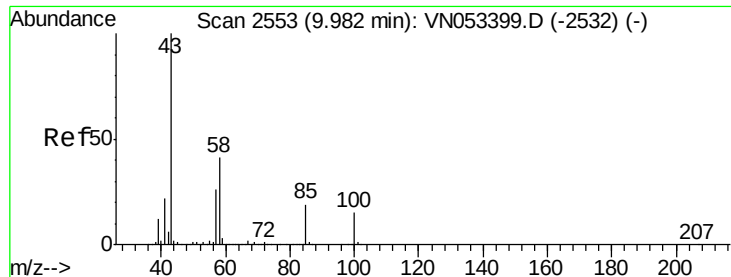
100 64.1 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053399.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN053399.D (-2569) (-)

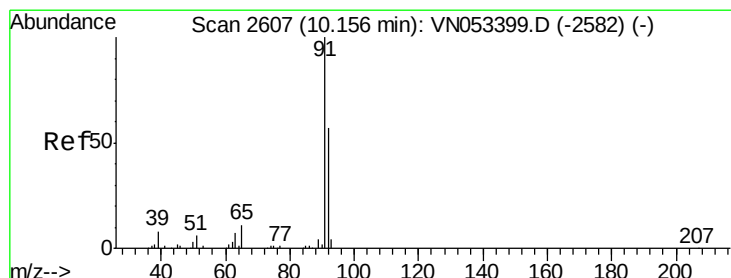
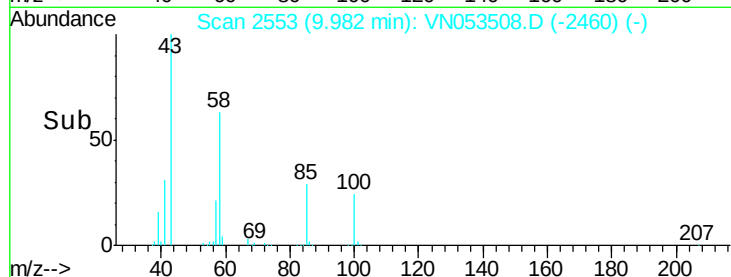
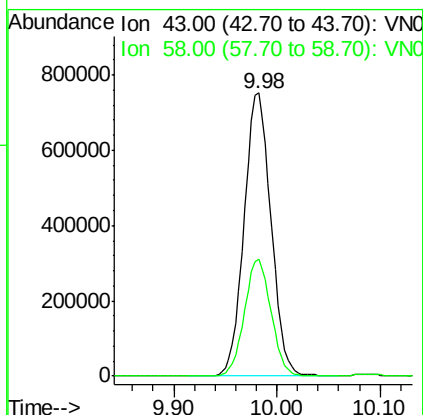
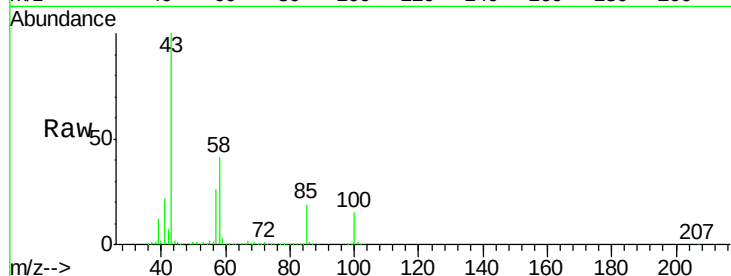




#51
4-Methyl-2-Pentanone
Concen: 226.651 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

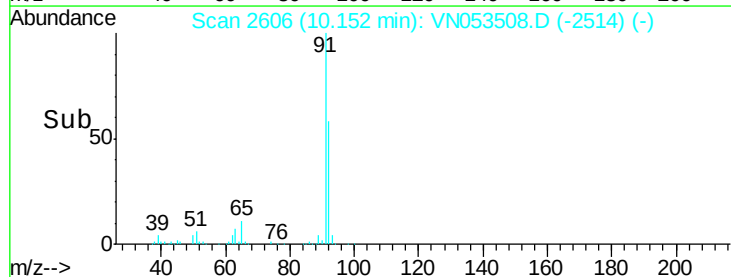
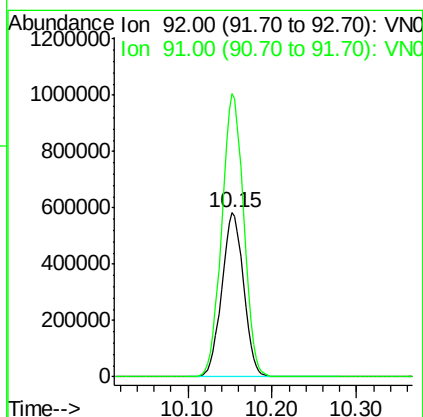
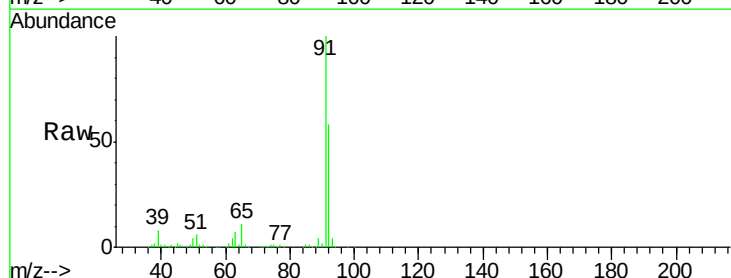
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

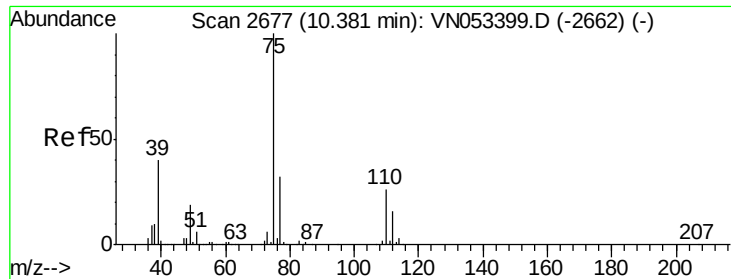
Tot Ion: 43 Resp: 1361757
Ion Ratio Lower Upper
43 100
58 40.8 32.8 49.2



#52
Toluene
Concen: 52.098 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion: 92 Resp: 1045658
Ion Ratio Lower Upper
92 100
91 173.4 139.9 209.9

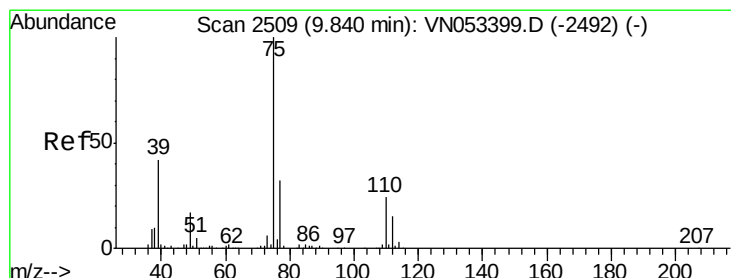
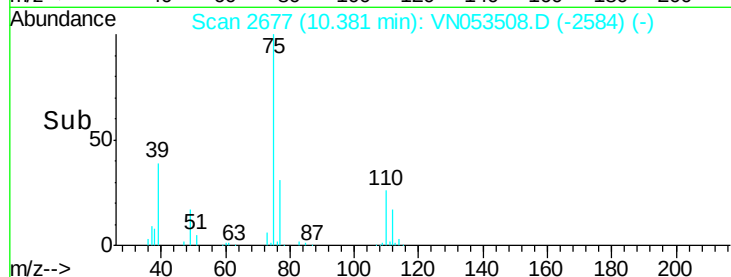
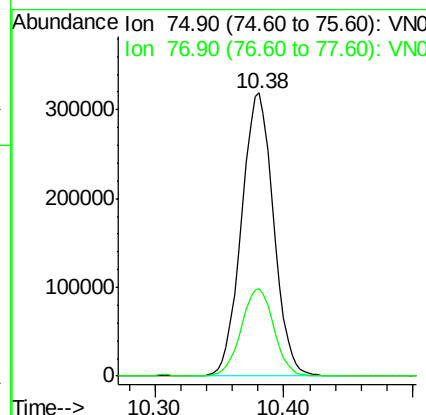
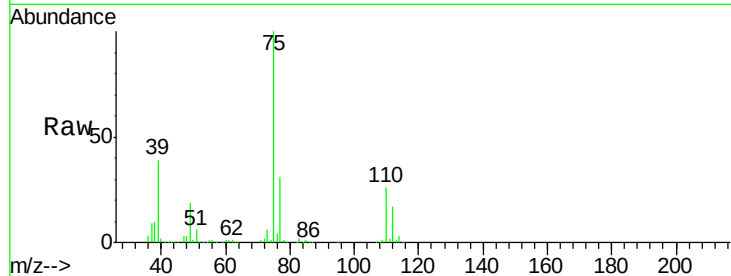




#53
t-1,3-Dichloropropene
Concen: 52.659 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

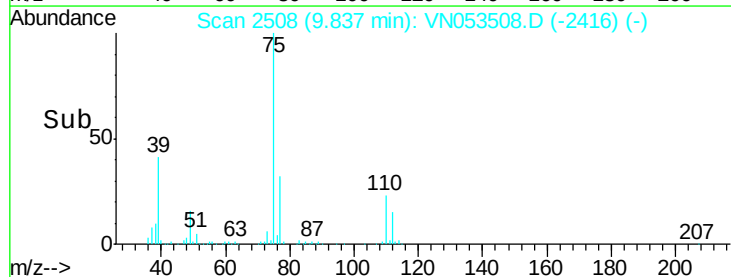
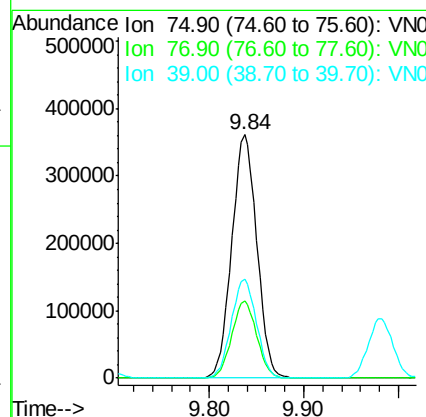
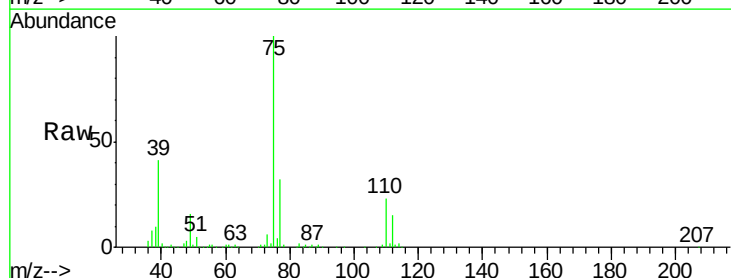
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

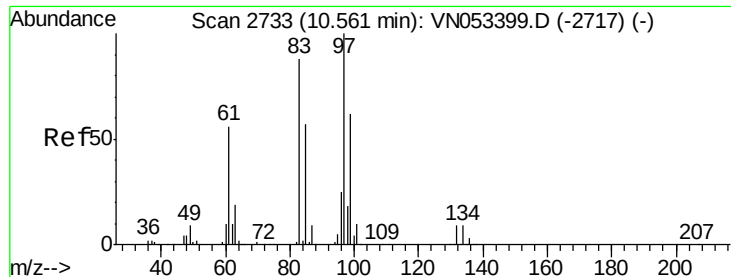
Tot Ion: 75 Resp: 552241
Ion Ratio Lower Upper
75 100
77 30.9 25.5 38.3



#54
cis-1,3-Dichloropropene
Concen: 54.164 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion: 75 Resp: 665871
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.6
39 40.5 33.4 50.0



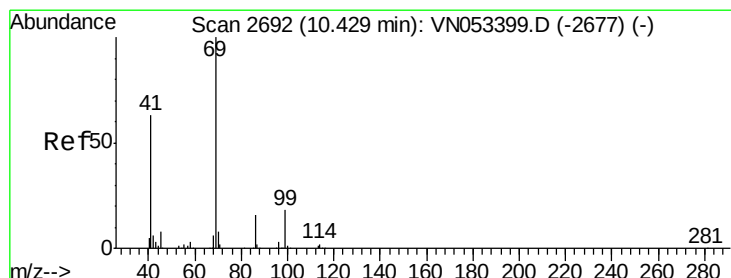
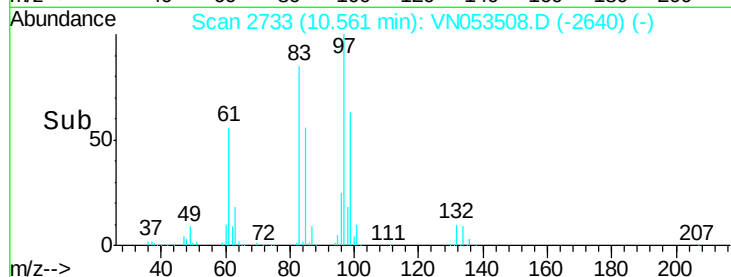
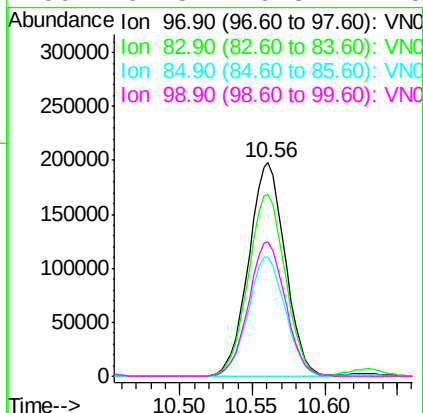
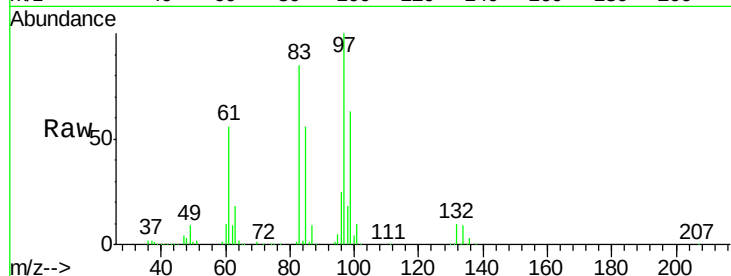


#55
 1,1,2-Trichloroethane
 Concen: 50.321 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 348207

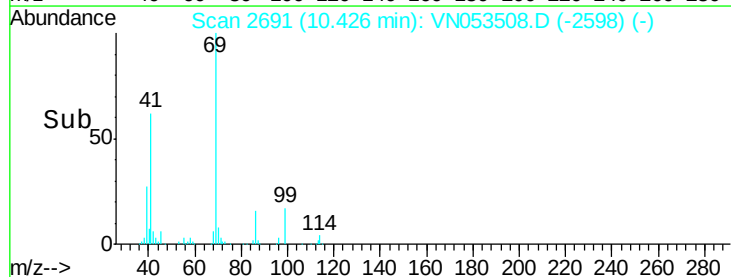
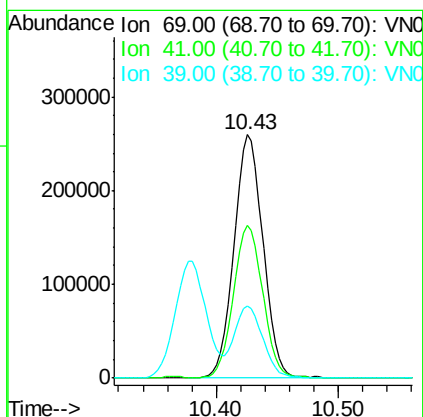
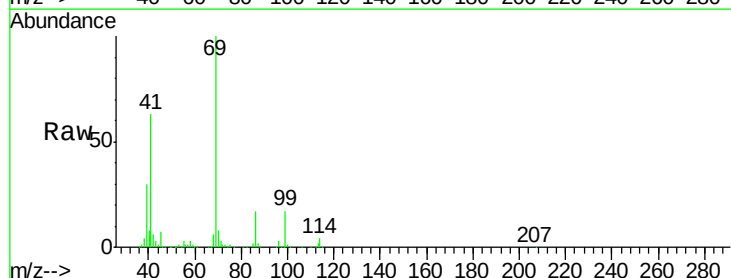
Ion	Ratio	Lower	Upper
97	100		
83	85.4	70.1	105.1
85	55.8	45.4	68.0
99	62.8	49.8	74.8

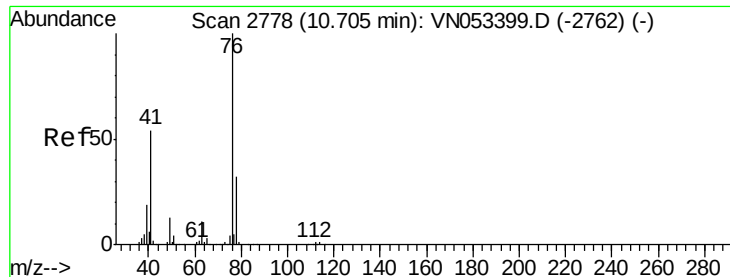


#56
 Ethyl methacrylate
 Concen: 43.988 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Tgt Ion: 69 Resp: 429446

Ion	Ratio	Lower	Upper
69	100		
41	62.9	49.4	74.0
39	28.7	23.3	34.9





#57

1,3-Dichloropropane

Concen: 50.013 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

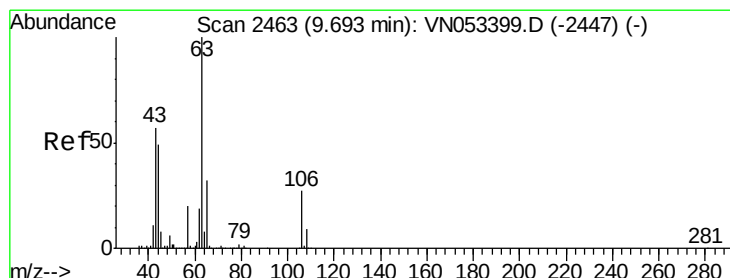
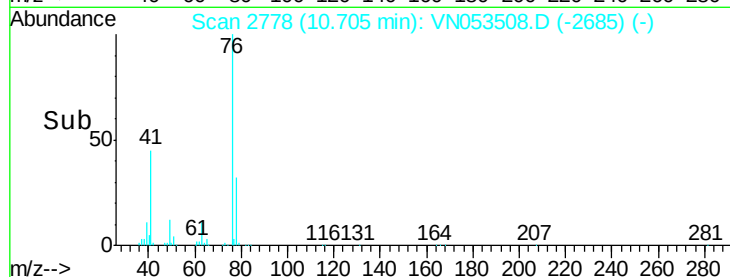
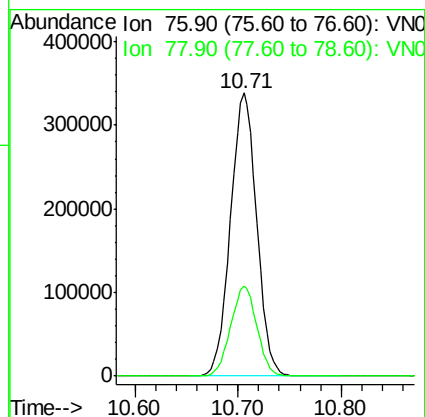
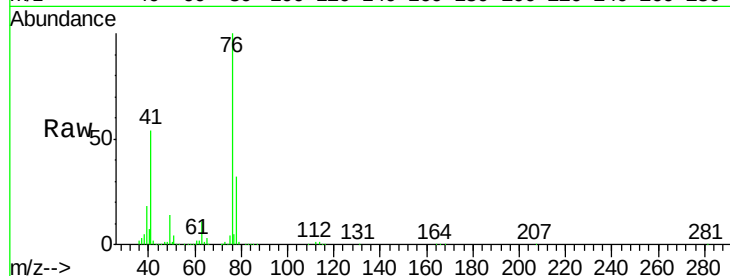
VSTDCCC050

Tot Ion: 76 Resp: 598675

Ion Ratio Lower Upper

76 100

78 31.9 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 223.086 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053508.D

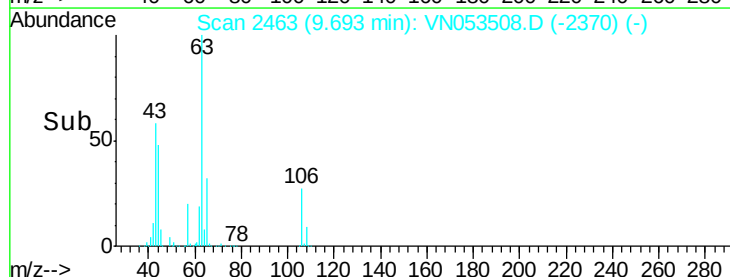
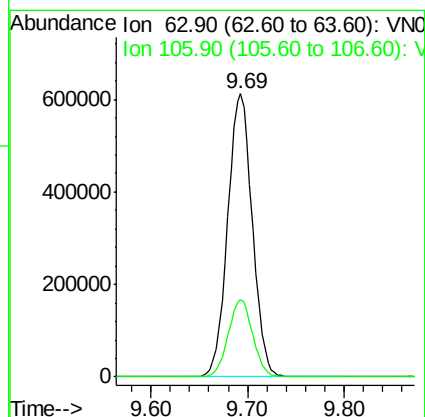
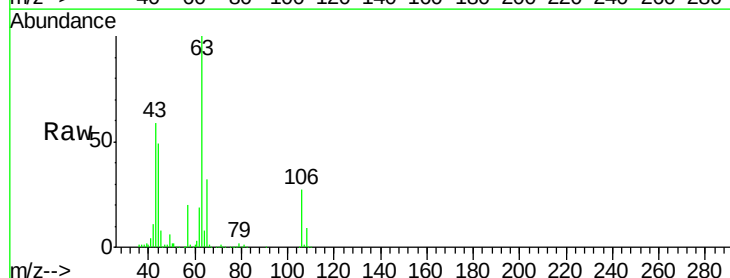
Acq: 22 Jan 2019 10:09

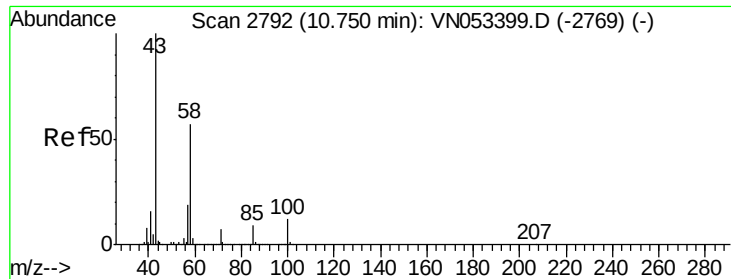
Tgt Ion: 63 Resp: 1079956

Ion Ratio Lower Upper

63 100

106 27.2 21.5 32.3

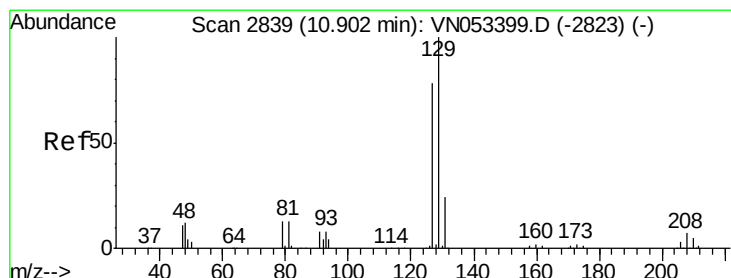
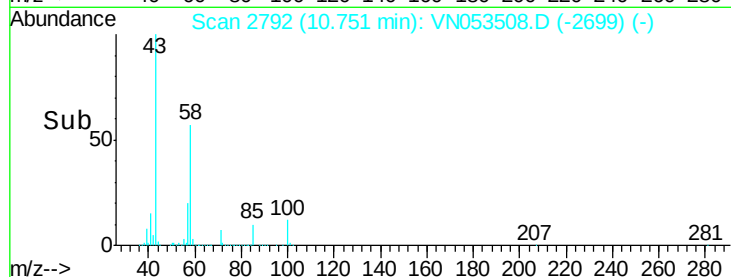
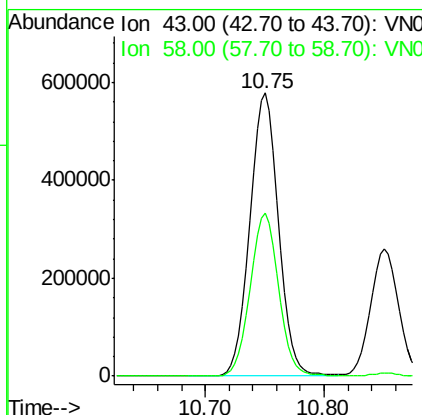
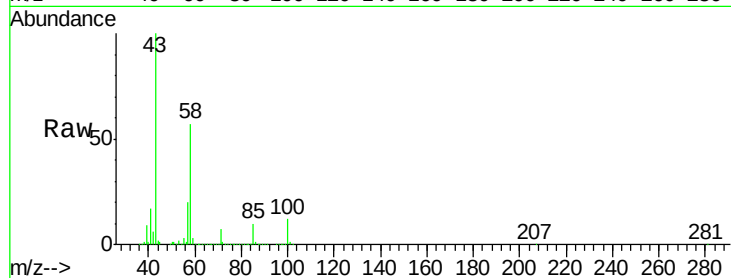




#59
2-Hexanone
Concen: 228.321 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

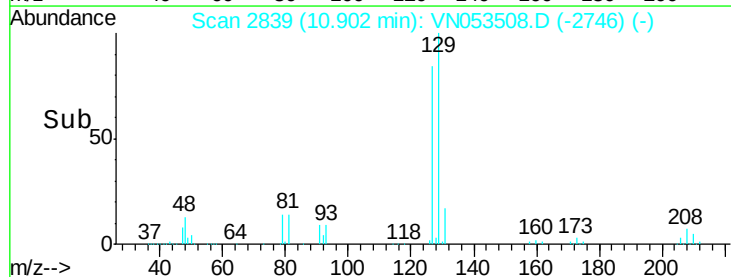
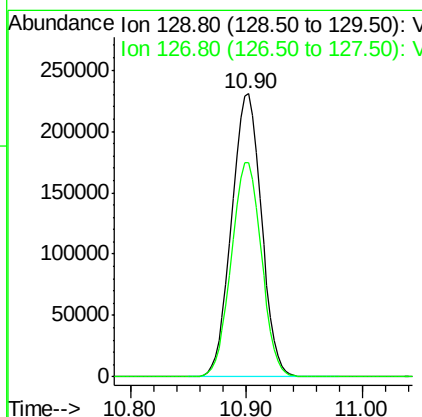
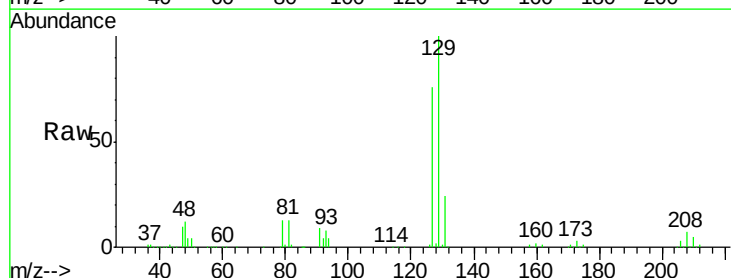
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

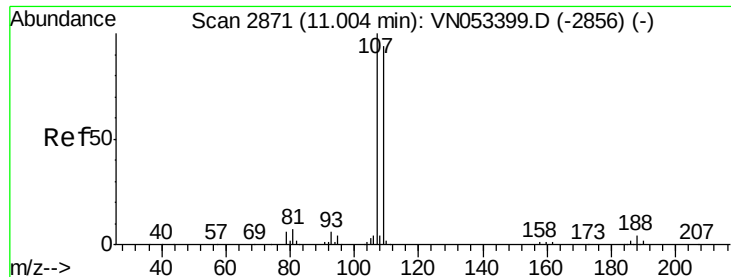
Tot Ion: 43 Resp: 962981
Ion Ratio Lower Upper
43 100
58 57.4 28.6 85.8



#60
Dibromochloromethane
Concen: 52.368 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion: 129 Resp: 411009
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.8

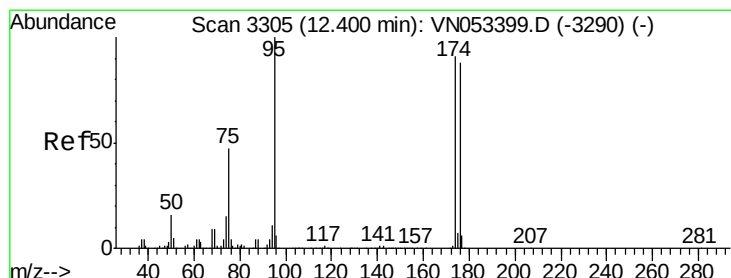
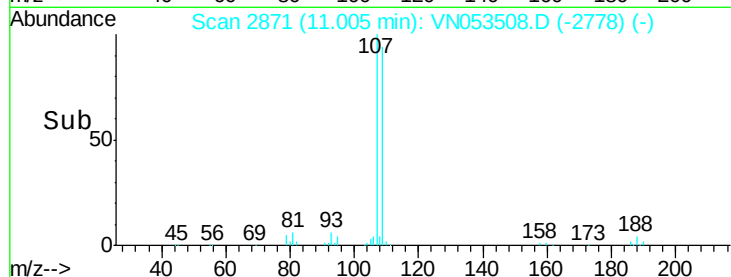
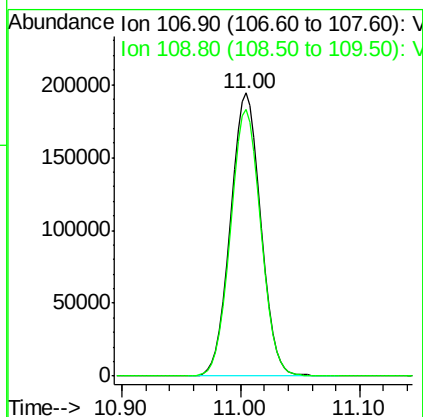
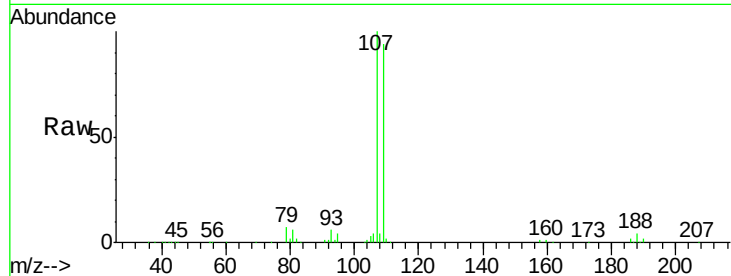




#61
 1,2-Dibromoethane
 Concen: 48.899 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

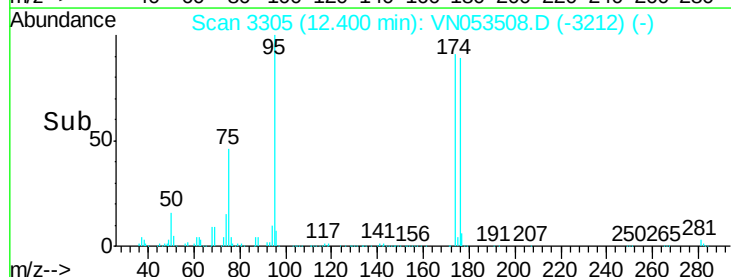
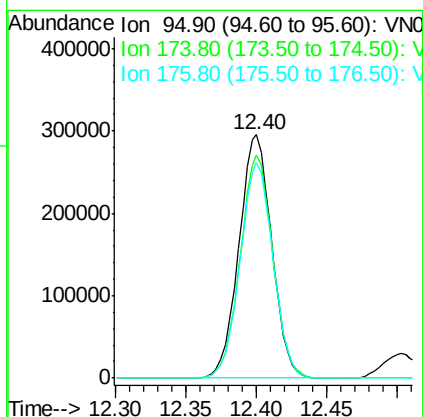
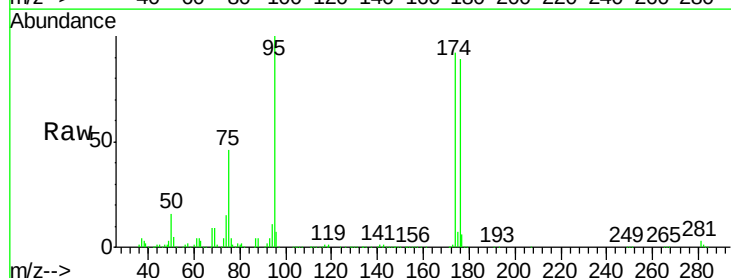
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

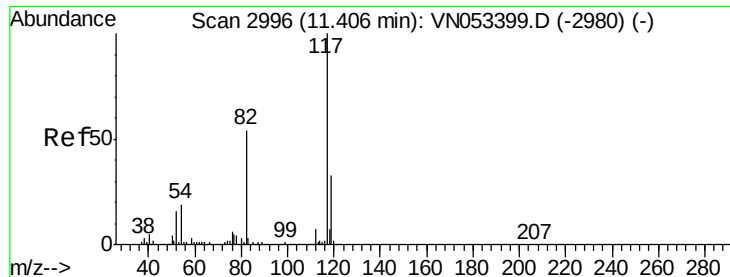
Tot Ion:107 Resp: 342209
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 48.899 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Tgt Ion: 95 Resp: 481152
 Ion Ratio Lower Upper
 95 100
 174 91.5 0.0 183.2
 176 88.9 0.0 177.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

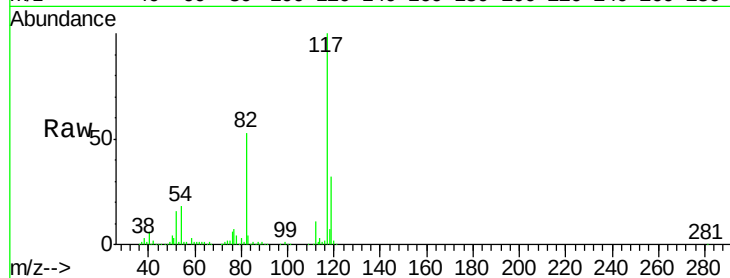
Tot Ion:117 Resp: 1039113

Ion Ratio Lower Upper

117 100

82 52.7 42.9 64.3

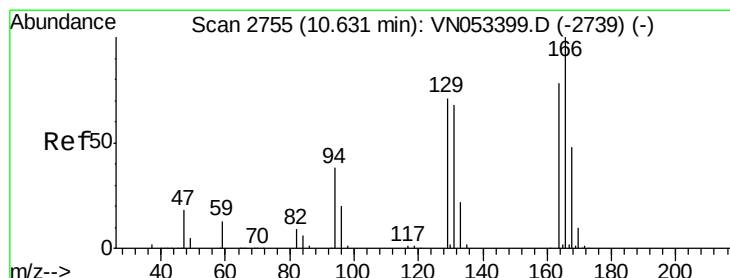
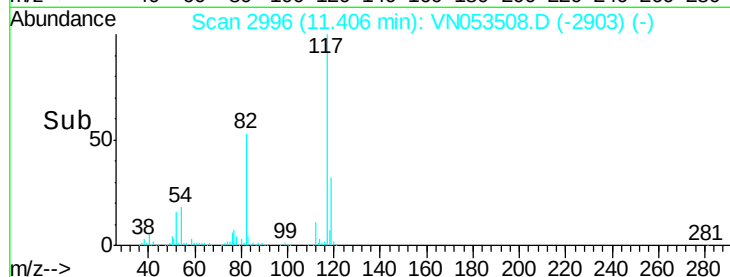
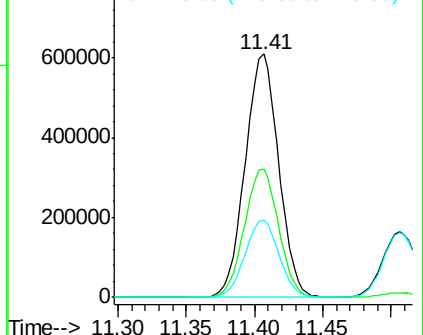
119 31.9 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 55.067 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Tgt Ion:164 Resp: 539239

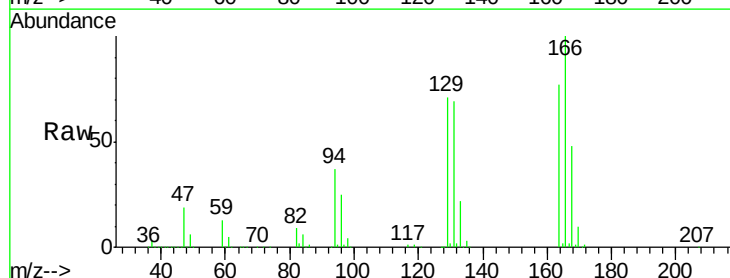
Ion Ratio Lower Upper

164 100

166 129.4 102.2 153.4

129 92.3 72.6 109.0

131 88.7 69.5 104.3

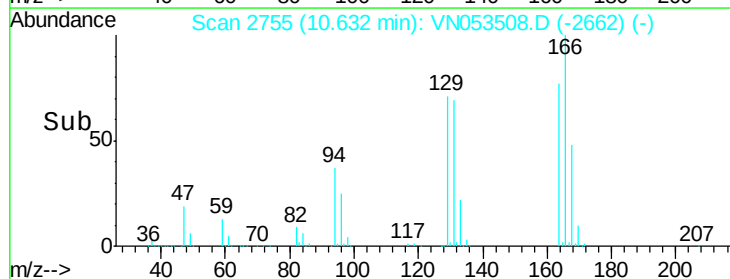
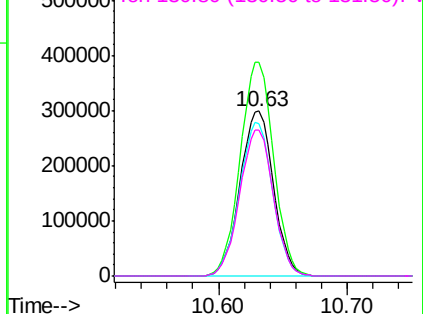


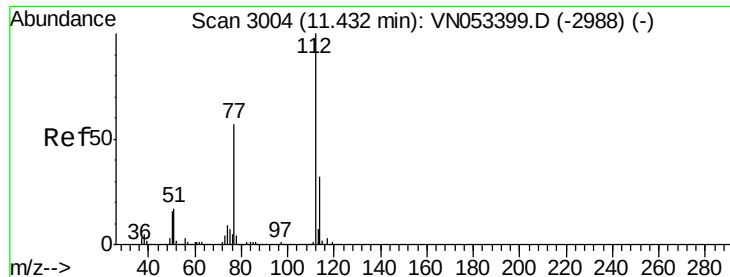
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

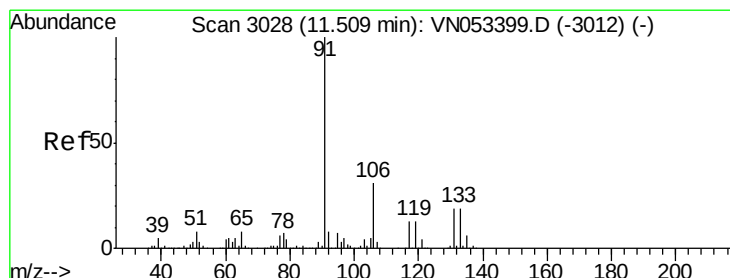
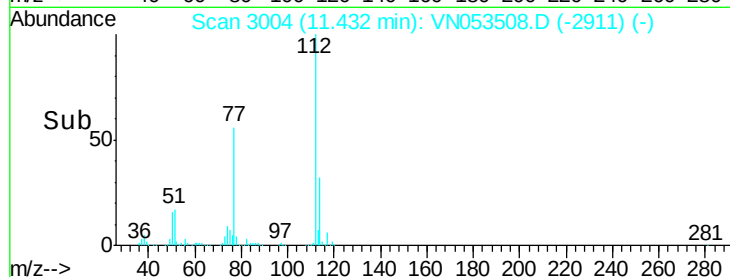
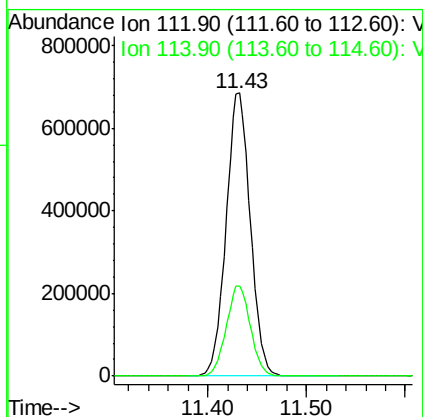
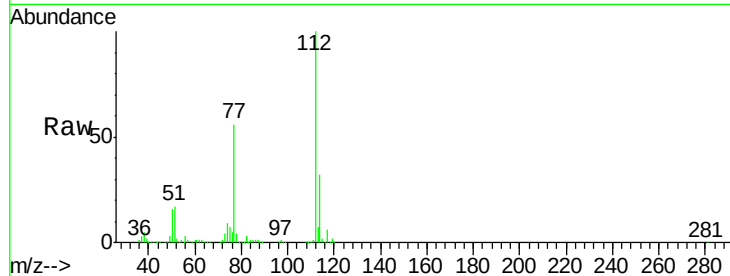




#65
Chlorobenzene
Concen: 53.428 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

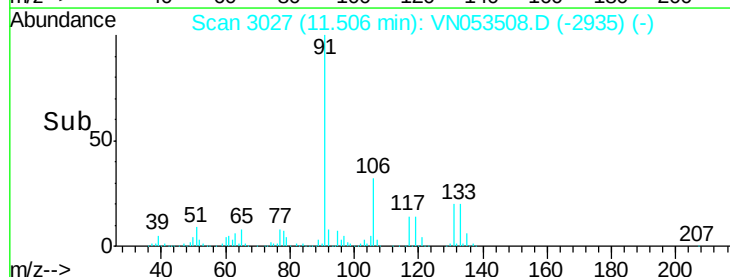
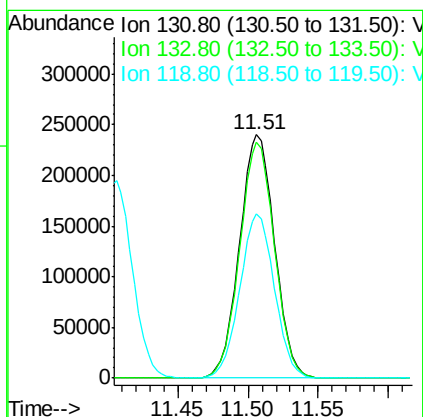
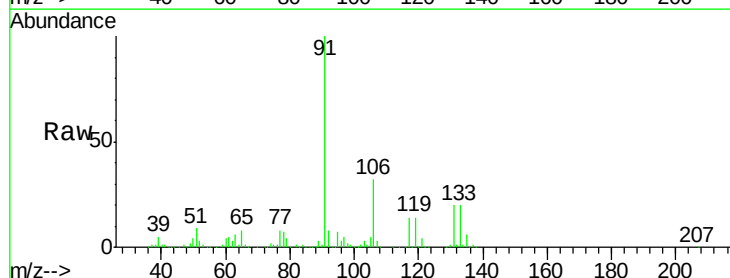
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

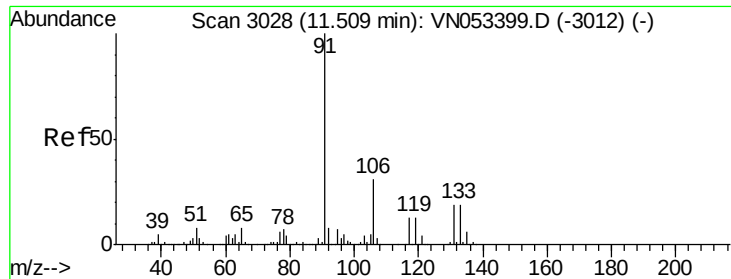
Tot Ion:112 Resp: 1175114
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 54.604 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion:131 Resp: 417809
Ion Ratio Lower Upper
131 100
133 96.4 48.0 144.0
119 66.7 33.5 100.5





#67

Ethyl Benzene

Concen: 53.797 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

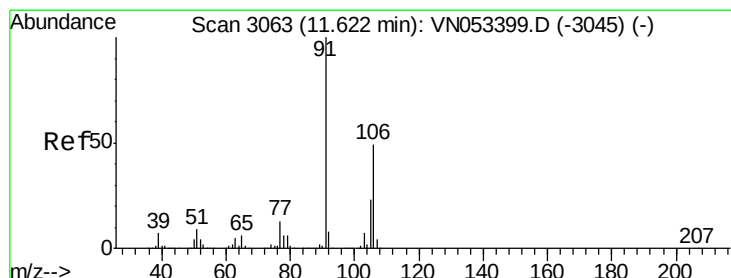
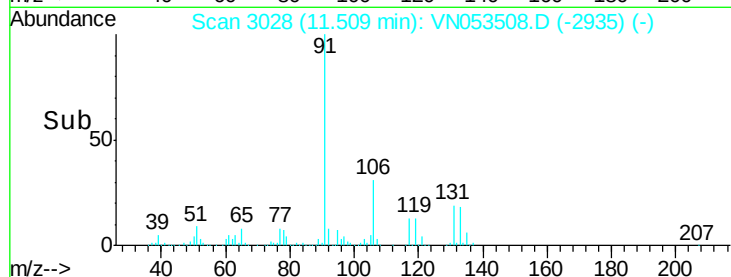
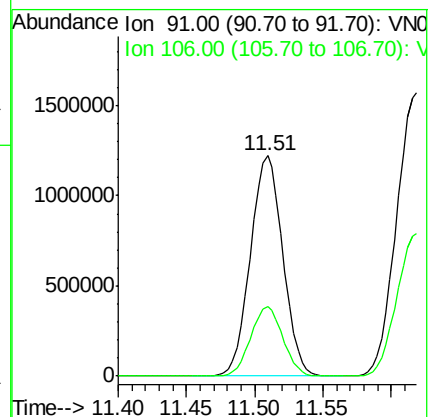
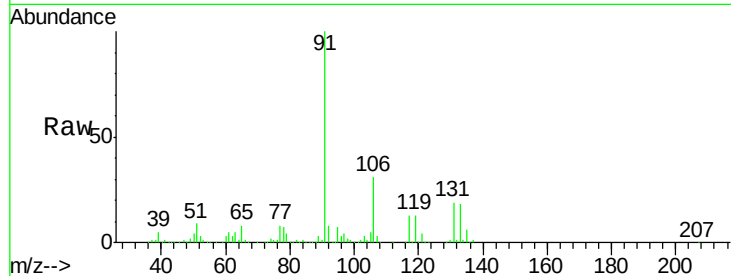
VSTDCCC050

Tot Ion: 91 Resp: 2016513

Ion Ratio Lower Upper

91 100

106 31.5 25.0 37.6



#68

m/p-Xylenes

Concen: 110.592 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN053508.D

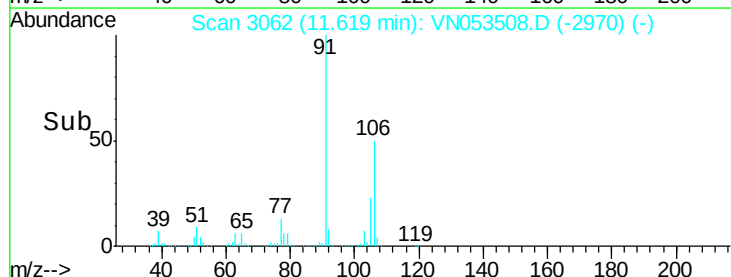
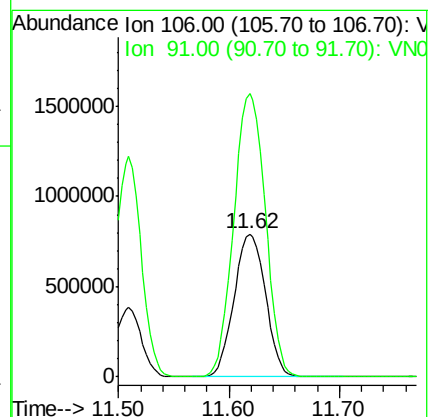
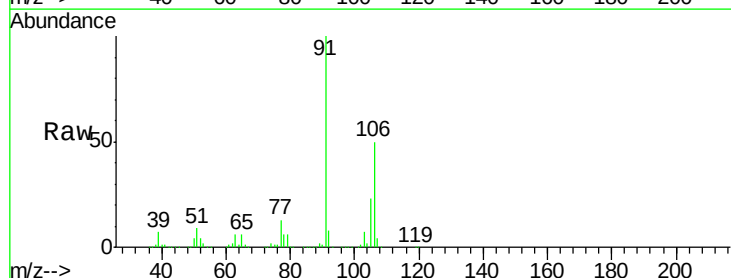
Acq: 22 Jan 2019 10:09

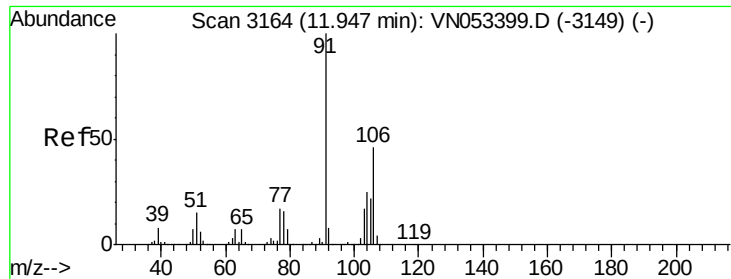
Tgt Ion: 106 Resp: 1565138

Ion Ratio Lower Upper

106 100

91 199.2 161.4 242.2

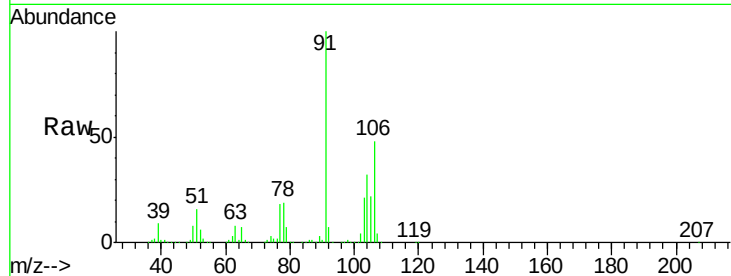




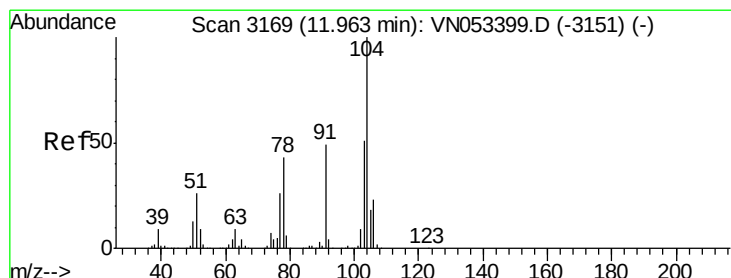
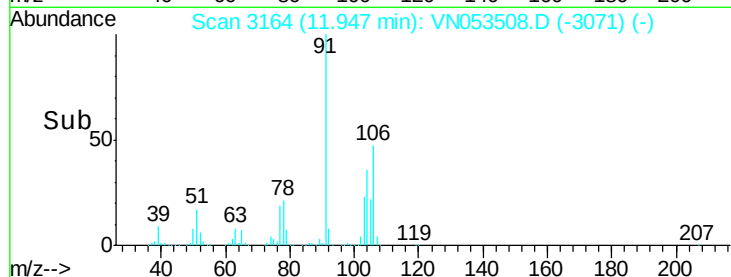
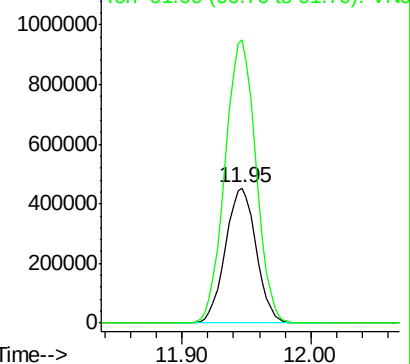
#69
o-Xylene
Concen: 54.614 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 751038
Ion Ratio Lower Upper
106 100
91 211.0 106.9 320.8

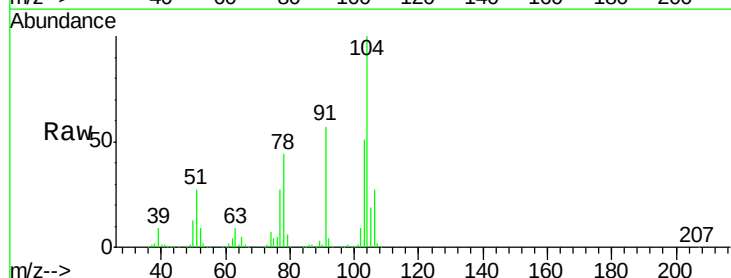


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

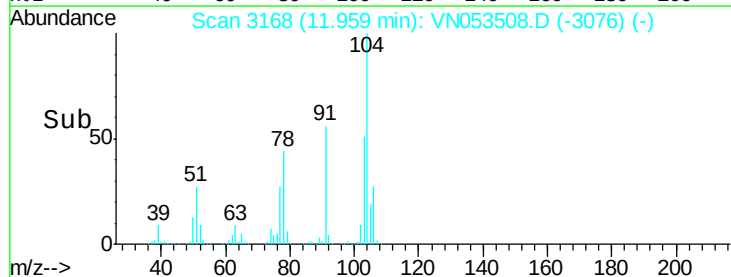
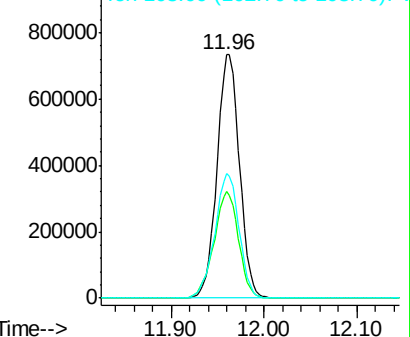


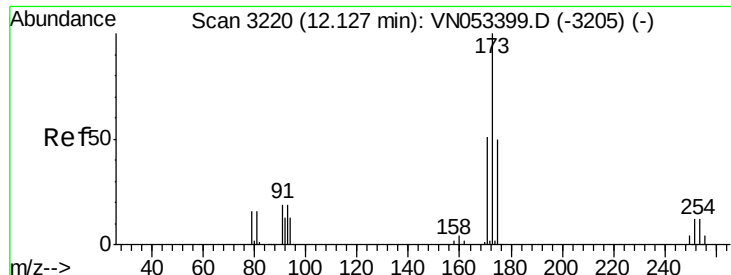
#70
Styrene
Concen: 55.222 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion:104 Resp: 1232483
Ion Ratio Lower Upper
104 100
78 47.8 38.2 57.2
103 55.2 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 50.928 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

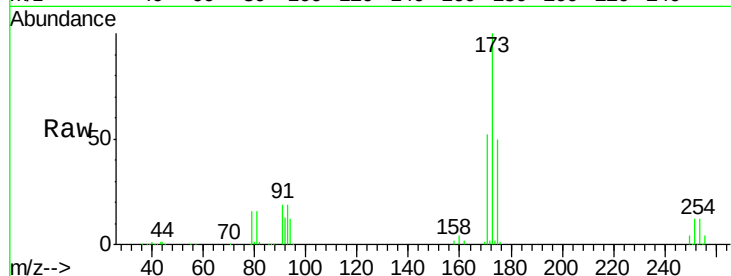
Tot Ion:173 Resp: 268273

Ion Ratio Lower Upper

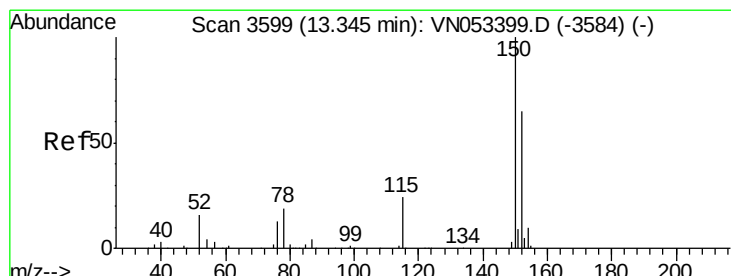
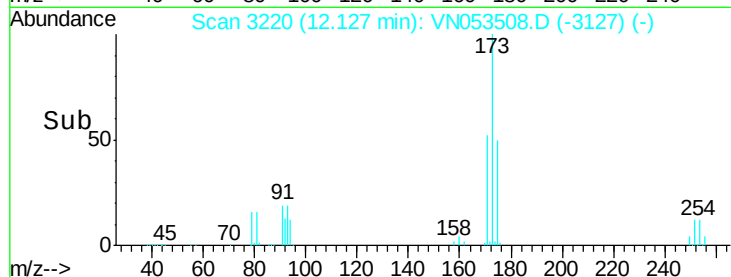
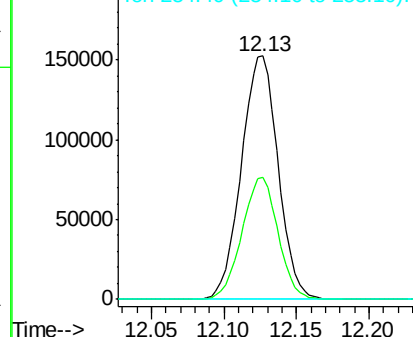
173 100

175 49.0 24.6 74.0

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.01 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

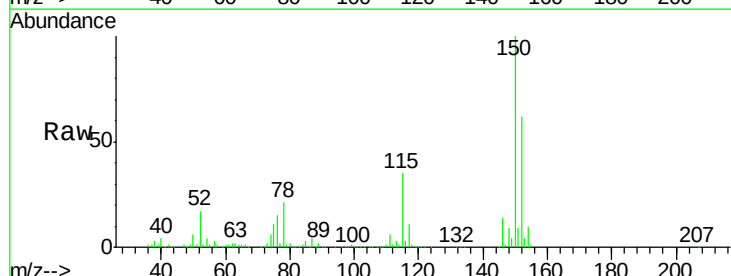
Tgt Ion:152 Resp: 527174

Ion Ratio Lower Upper

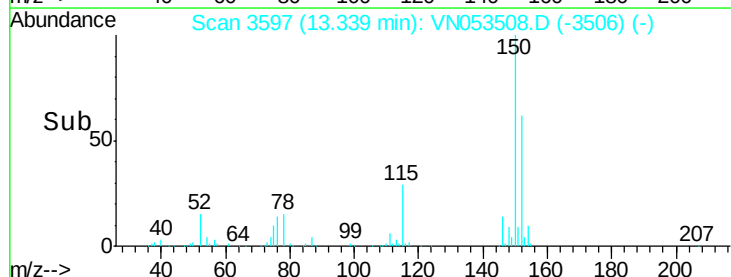
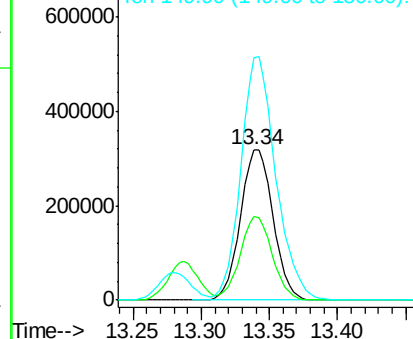
152 100

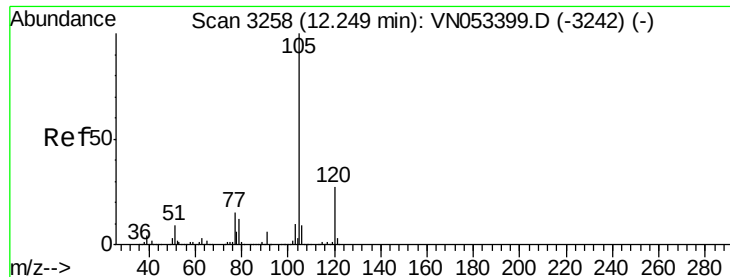
115 55.0 27.8 83.4

150 173.5 0.0 349.0



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





#73

Isopropylbenzene

Concen: 52.417 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

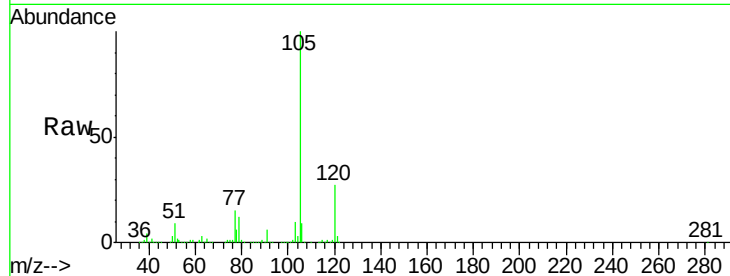
VSTDCCC050

Tot Ion:105 Resp: 2023569

Ion Ratio Lower Upper

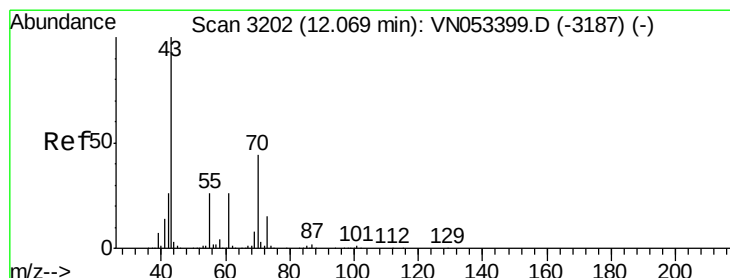
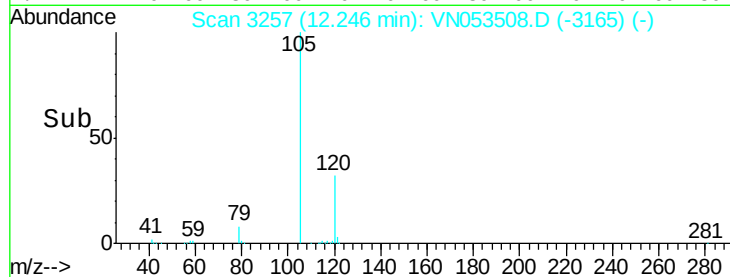
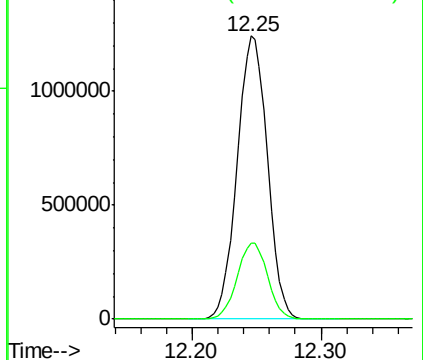
105 100

120 27.1 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.467 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Tgt Ion: 43 Resp: 467916

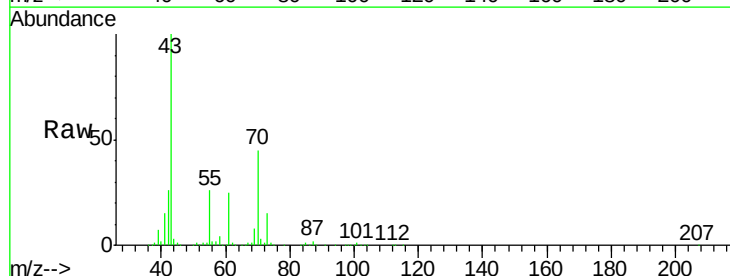
Ion Ratio Lower Upper

43 100

70 44.3 35.4 53.2

55 26.0 20.9 31.3

61 25.3 20.5 30.7

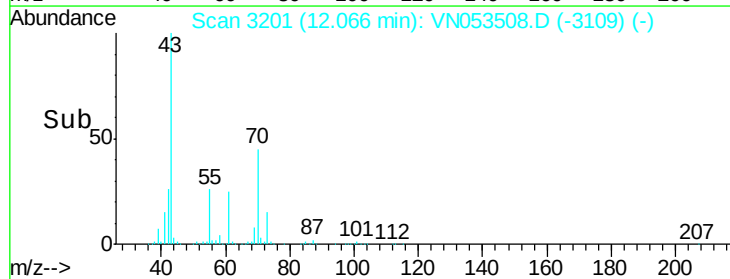
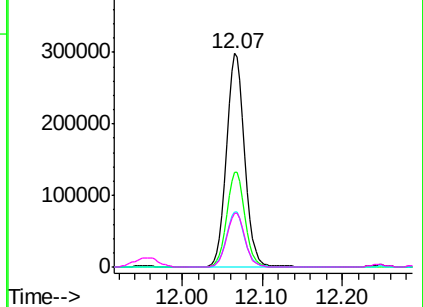


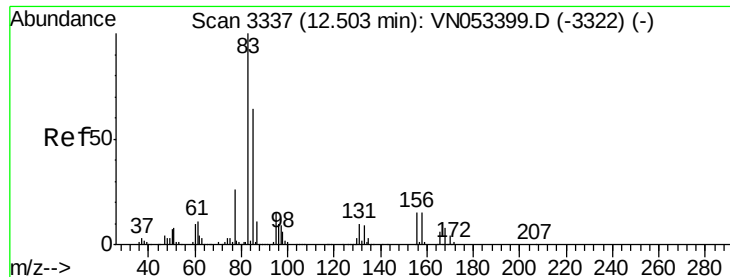
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 41.916 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

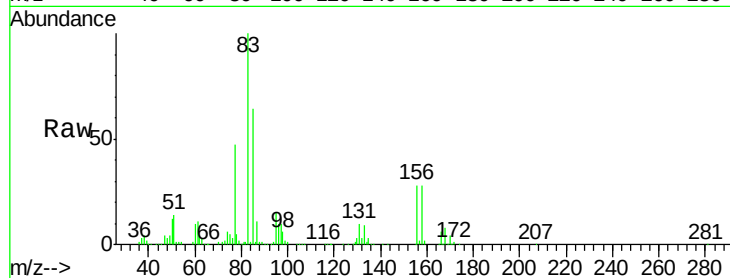
Tot Ion: 83 Resp: 339375

Ion Ratio Lower Upper

83 100

131 11.1 5.3 15.8

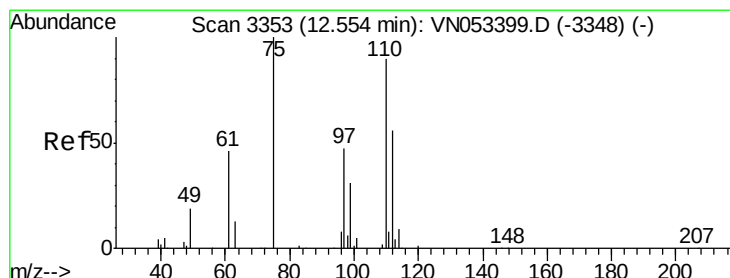
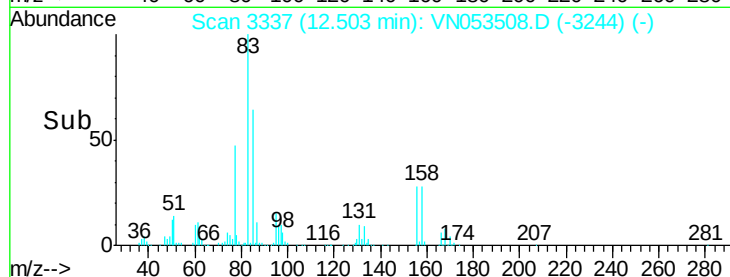
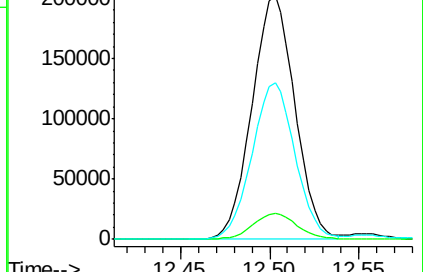
85 64.4 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN053399.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN053399.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN053399.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 72.408 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN053508.D

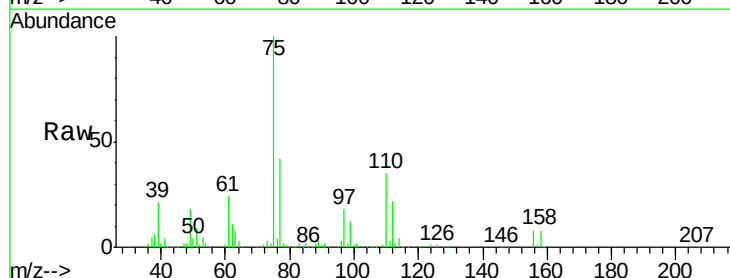
Acq: 22 Jan 2019 10:09

Tgt Ion: 75 Resp: 503027

Ion Ratio Lower Upper

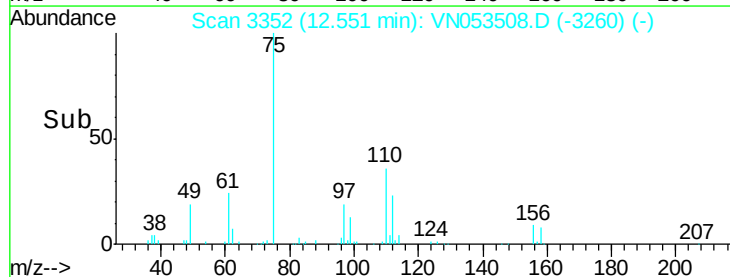
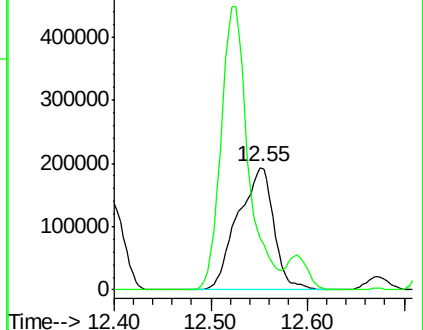
75 100

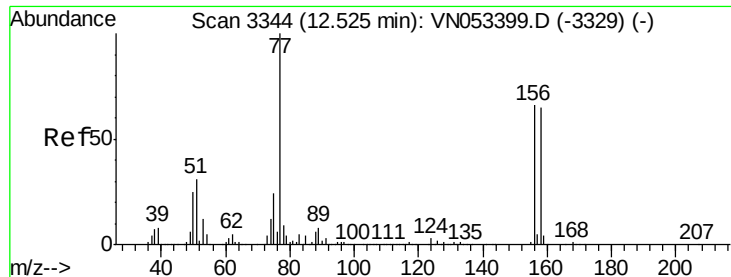
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN053399.D (-3348) (-)





#77

Bromobenzene

Concen: 50.150 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

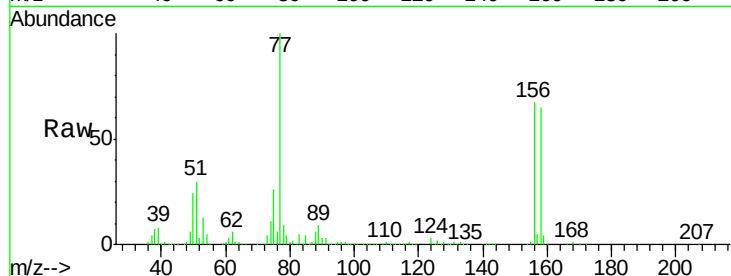
Tot Ion:156 Resp: 510157

Ion Ratio Lower Upper

156 100

77 171.5 87.9 263.8

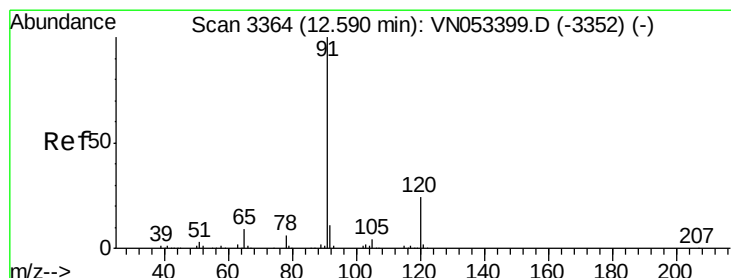
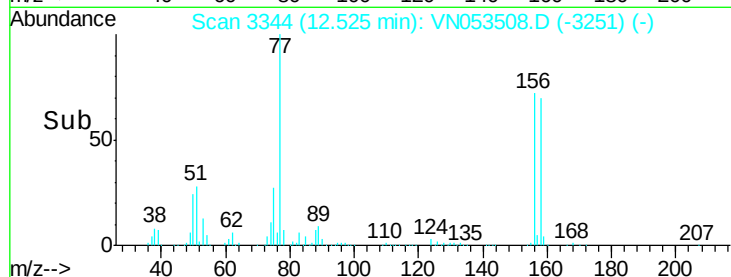
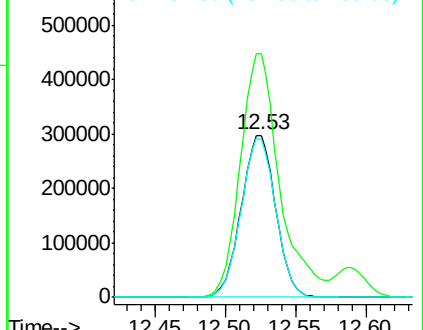
158 98.6 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.901 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053508.D

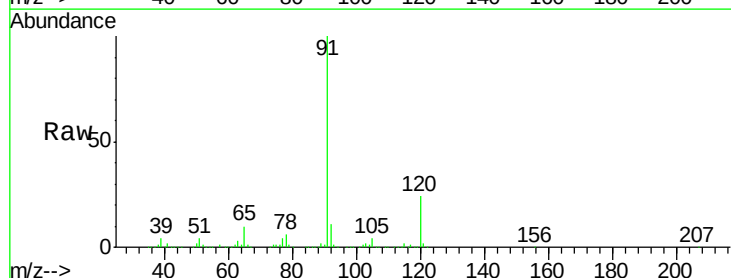
Acq: 22 Jan 2019 10:09

Tgt Ion: 91 Resp: 2344272

Ion Ratio Lower Upper

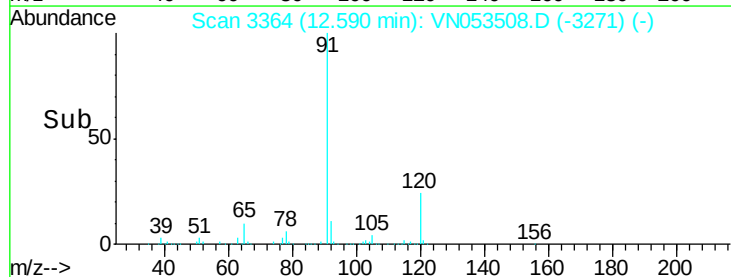
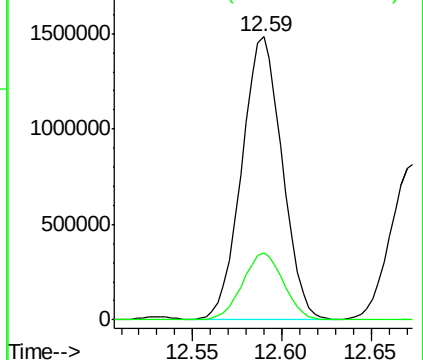
91 100

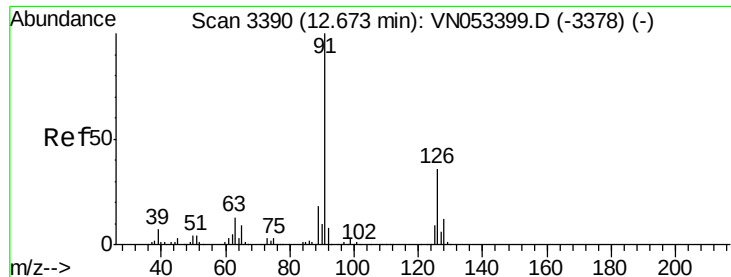
120 24.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.091 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

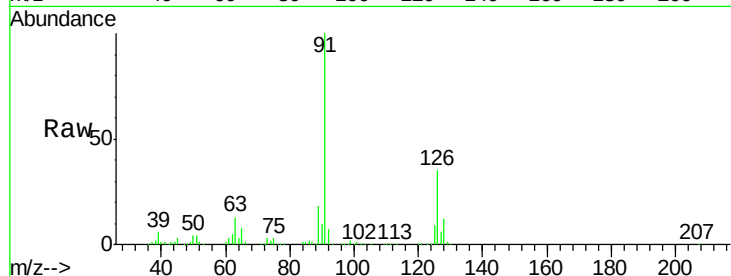
VSTDCCC050

Tot Ion: 91 Resp: 1342007

Ion Ratio Lower Upper

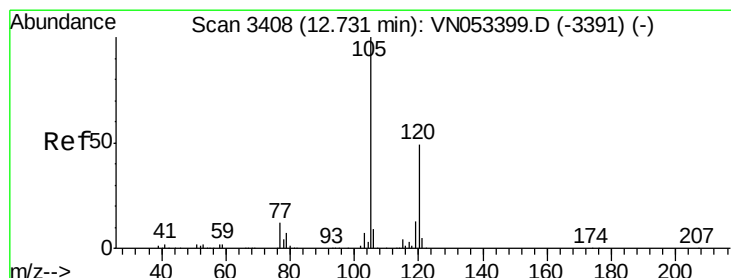
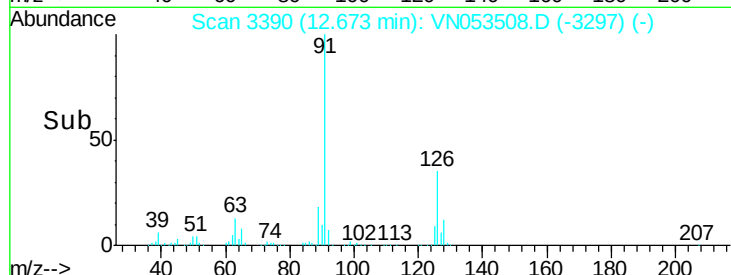
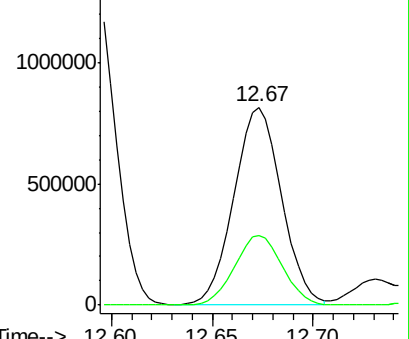
91 100

126 35.8 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN053399.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053399.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.347 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053508.D

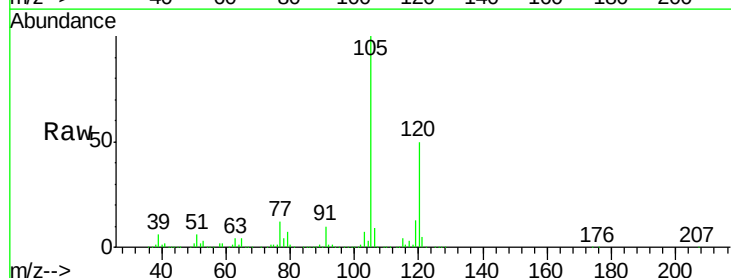
Acq: 22 Jan 2019 10:09

Tgt Ion: 105 Resp: 1675623

Ion Ratio Lower Upper

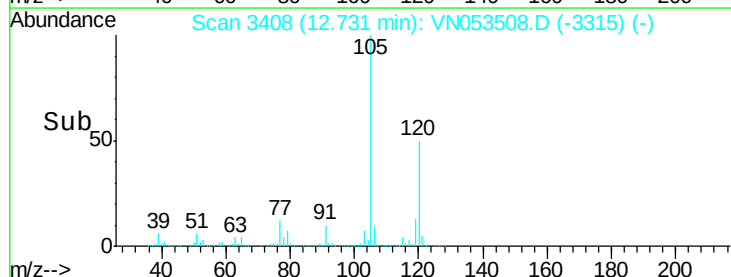
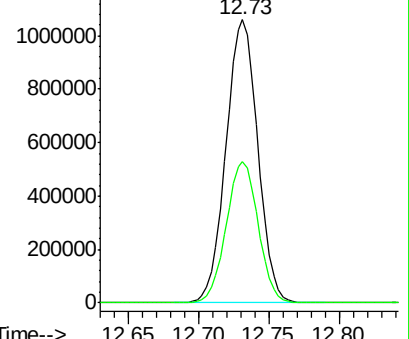
105 100

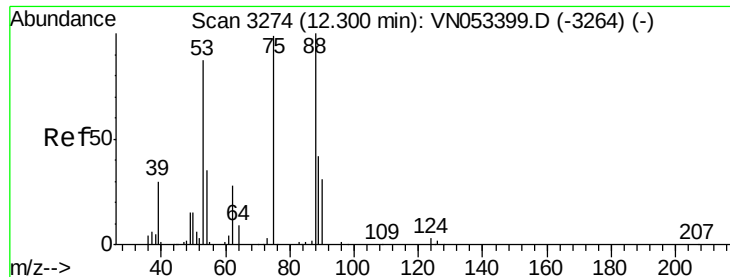
120 50.1 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053399.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN053399.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 42.721 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

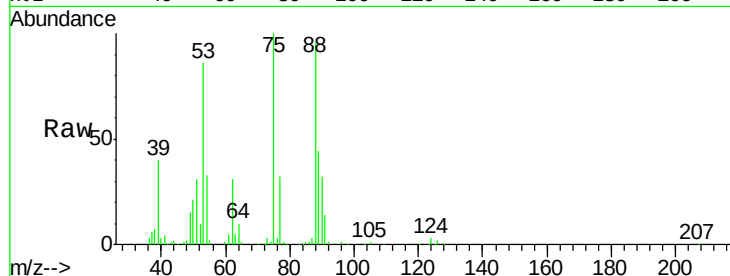
Tot Ion: 75 Resp: 116206

Ion Ratio Lower Upper

75 100

53 86.5 69.8 104.6

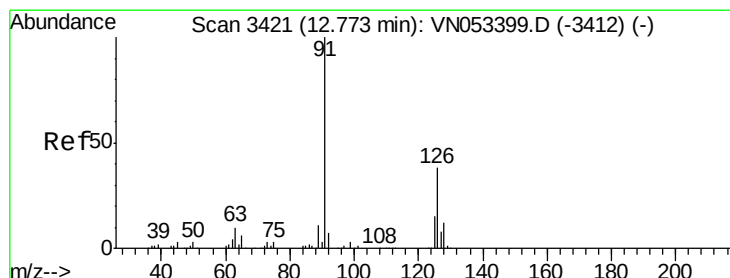
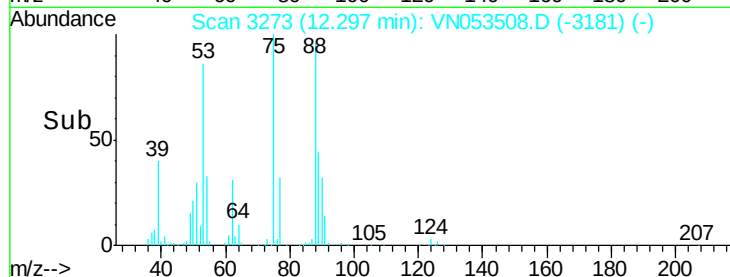
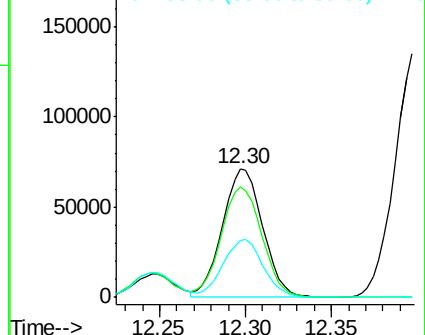
89 44.9 35.6 53.4



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: 52.470 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN053508.D

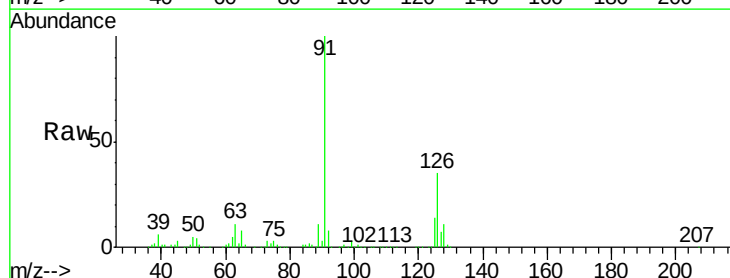
Acq: 22 Jan 2019 10:09

Tgt Ion: 91 Resp: 1405505

Ion Ratio Lower Upper

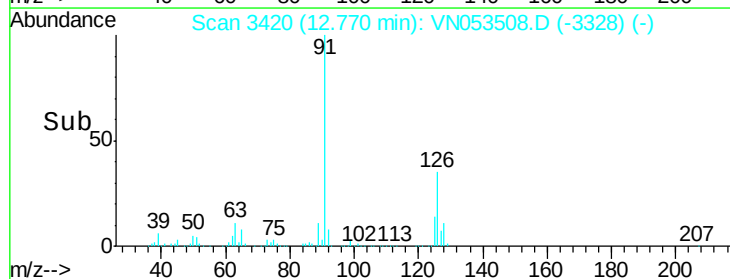
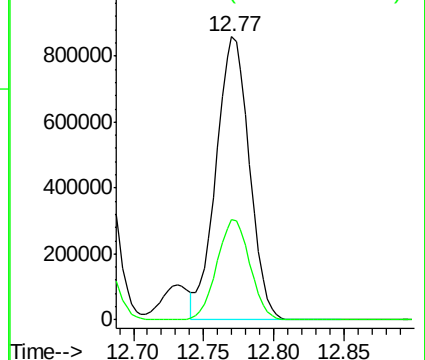
91 100

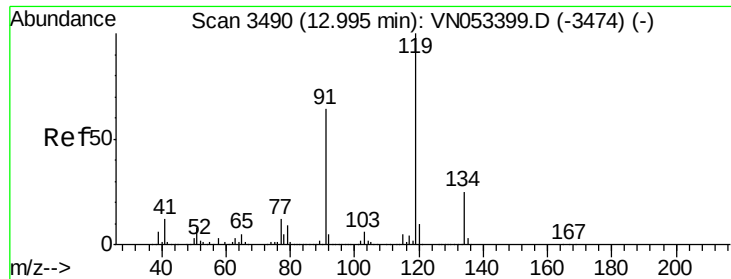
126 35.2 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

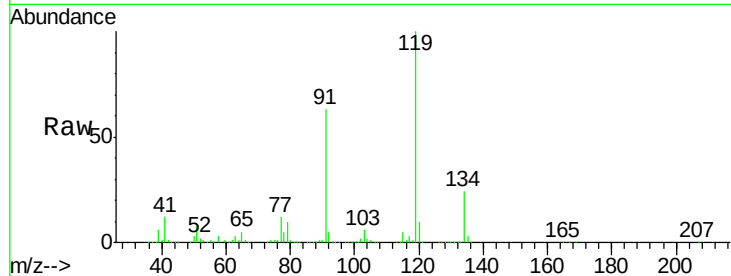




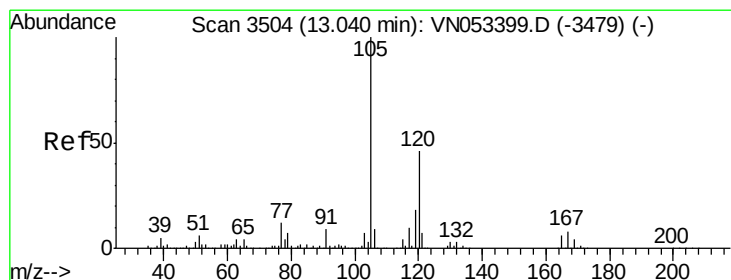
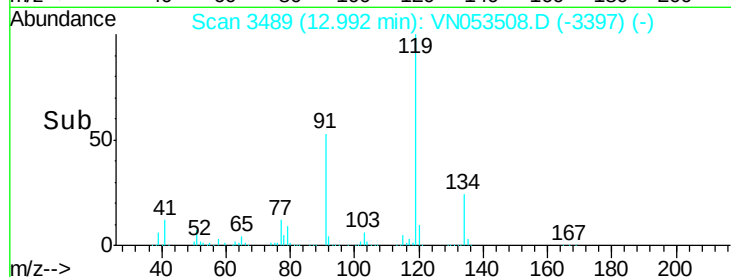
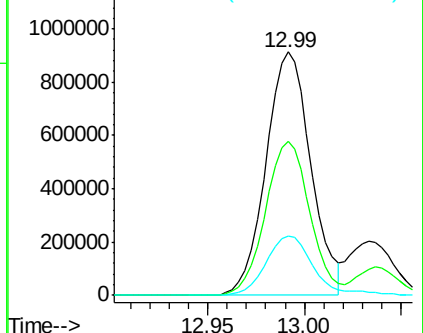
#83
 tert-Butylbenzene
 Concen: 53.289 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1478367
 Ion Ratio Lower Upper
 119 100
 91 62.7 31.3 93.8
 134 25.8 12.9 38.7

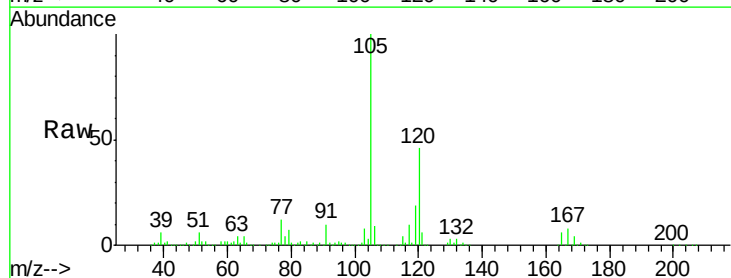


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

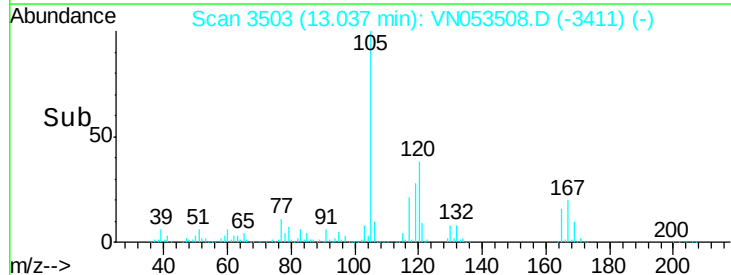
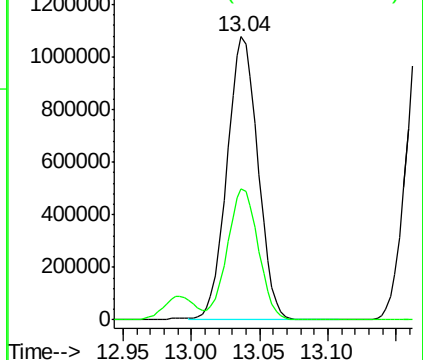


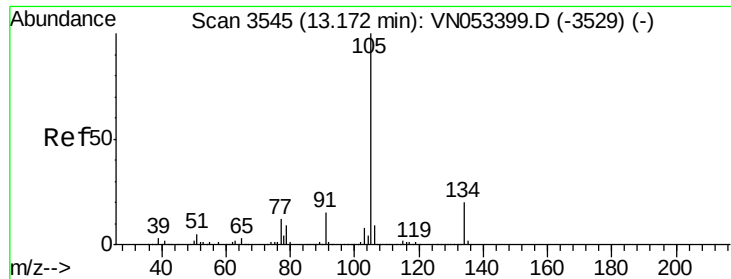
#84
 1,2,4-Trimethylbenzene
 Concen: 53.580 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Tgt Ion:105 Resp: 1696928
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 54.179 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampled :

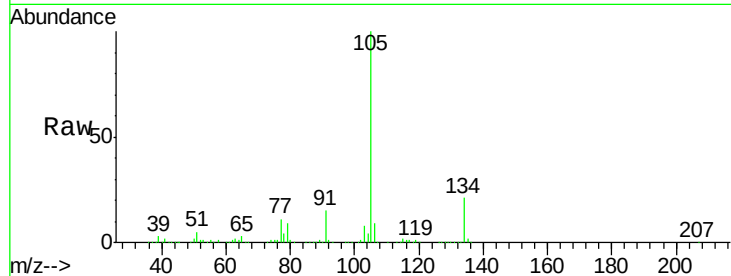
VSTDCCC050

Tot Ion:105 Resp: 2061344

Ion Ratio Lower Upper

105 100

134 20.7 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1500000

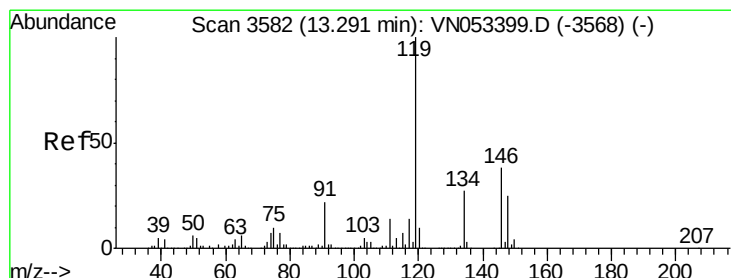
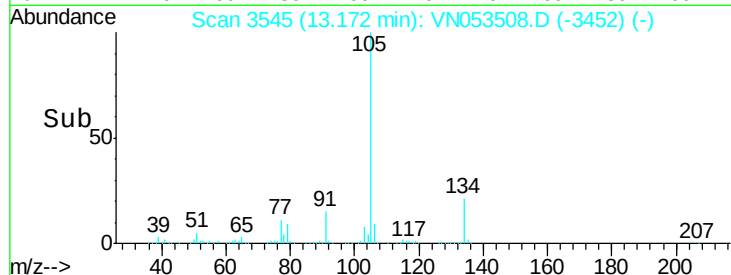
1000000

500000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 55.331 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

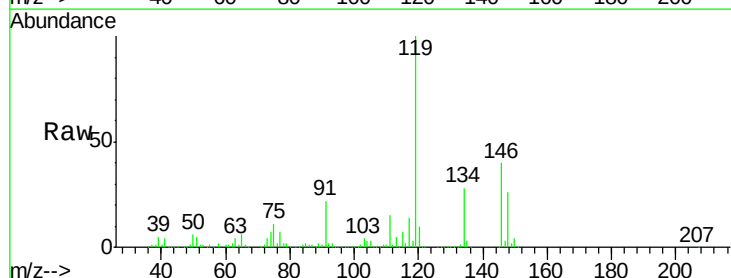
Tgt Ion:119 Resp: 1827902

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

91 21.9 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1500000

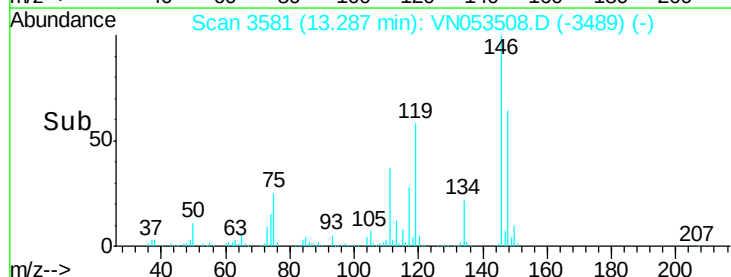
1000000

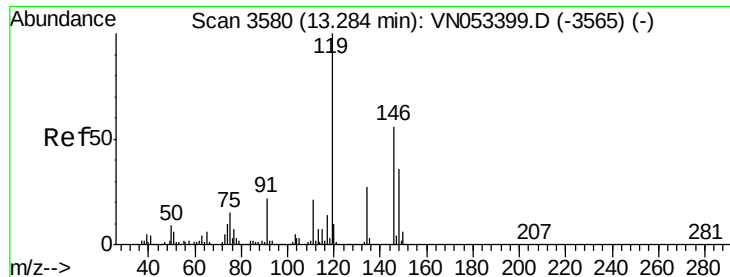
500000

0

13.20 13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 52.480 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

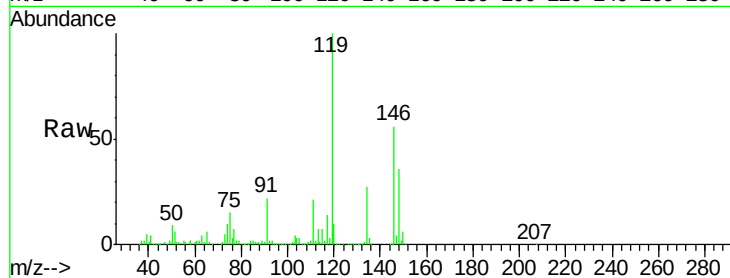
Tot Ion:146 Resp: 939082

Ion Ratio Lower Upper

146 100

111 38.0 18.8 56.3

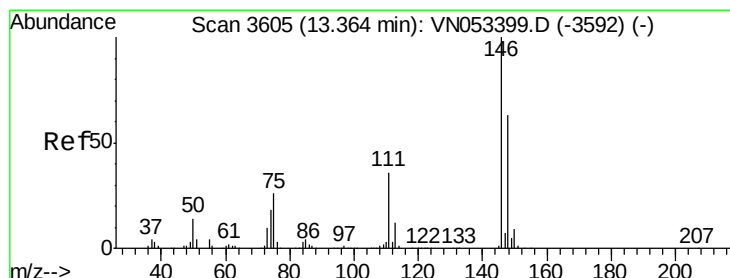
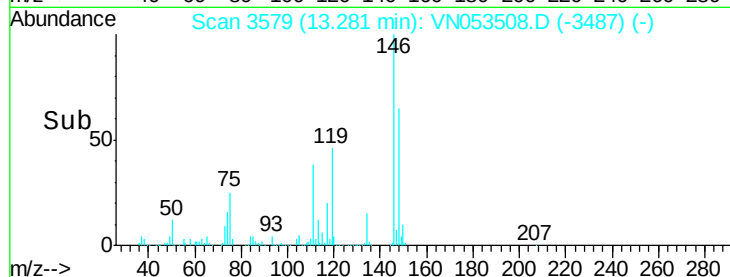
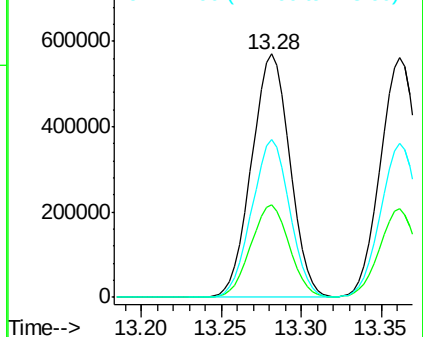
148 64.2 32.0 96.2



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: 51.675 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN053508.D

Acq: 22 Jan 2019 10:09

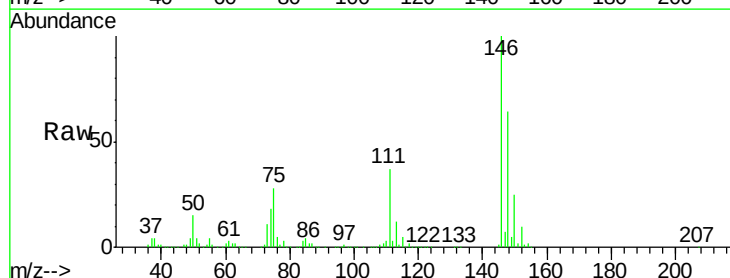
Tgt Ion:146 Resp: 927527

Ion Ratio Lower Upper

146 100

111 37.0 18.6 55.8

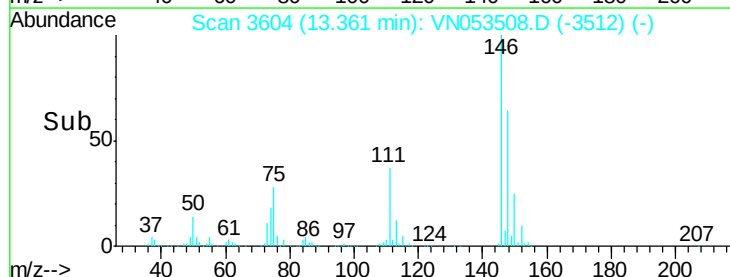
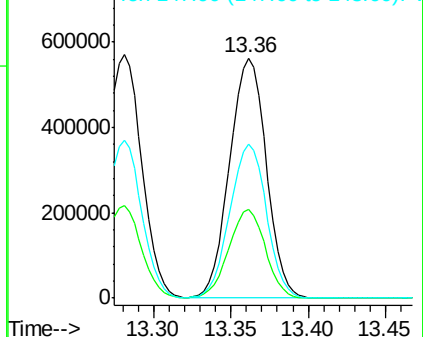
148 64.2 32.4 97.0

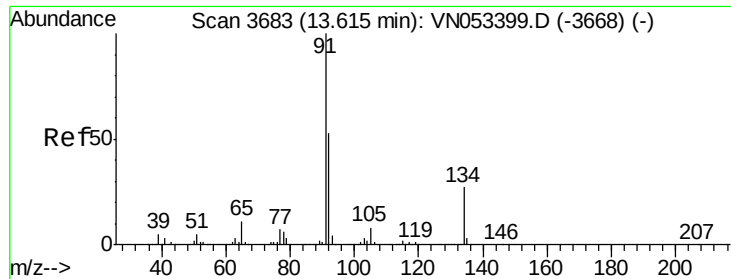


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

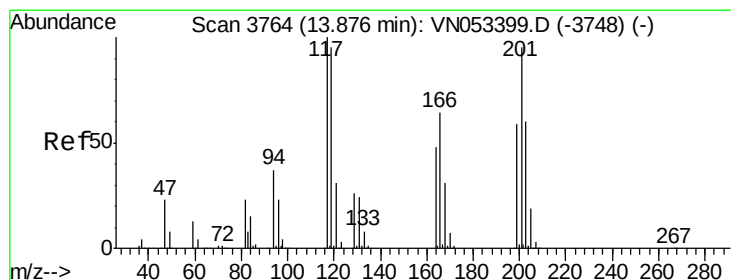
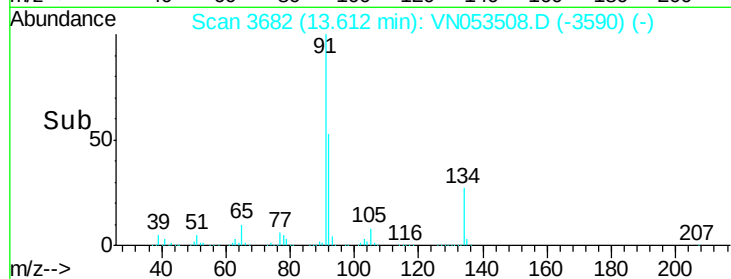
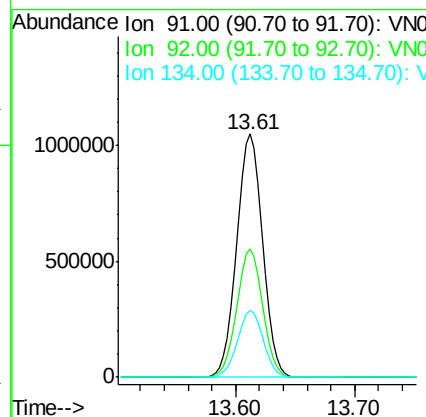
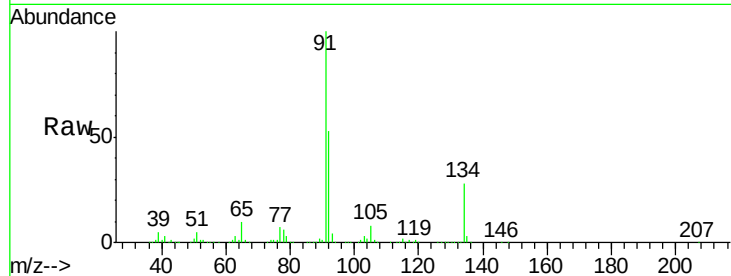




#89
n-Butylbenzene
Concen: 56.283 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

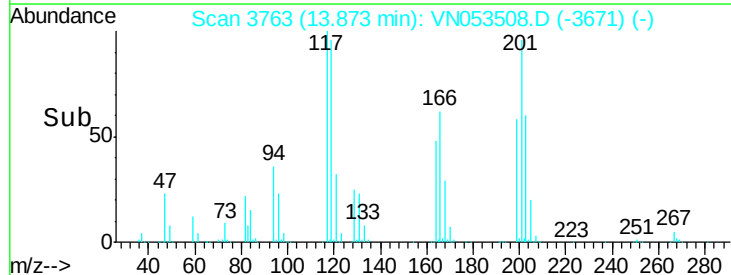
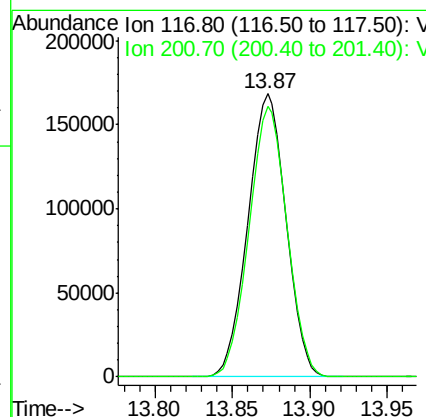
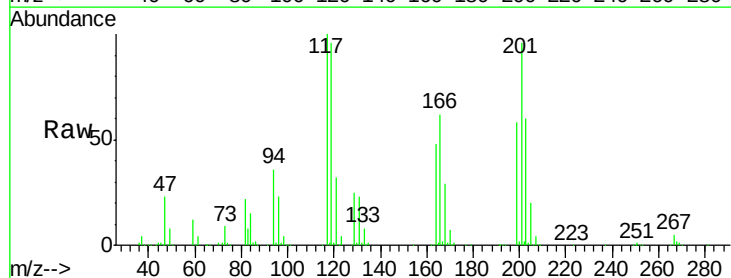
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

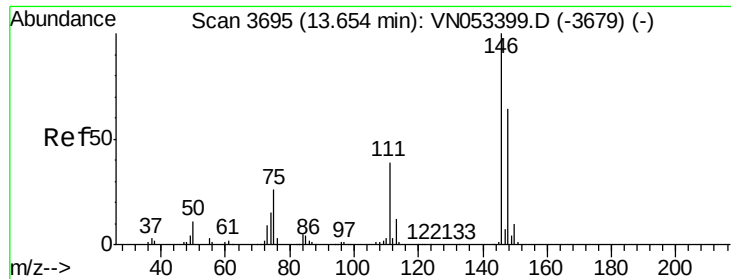
Tot Ion: 91 Resp: 1584913
Ion Ratio Lower Upper
91 100
92 52.5 26.3 78.8
134 27.4 13.5 40.5



#90
Hexachloroethane
Concen: 55.790 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion: 117 Resp: 289054
Ion Ratio Lower Upper
117 100
201 95.1 46.8 140.4

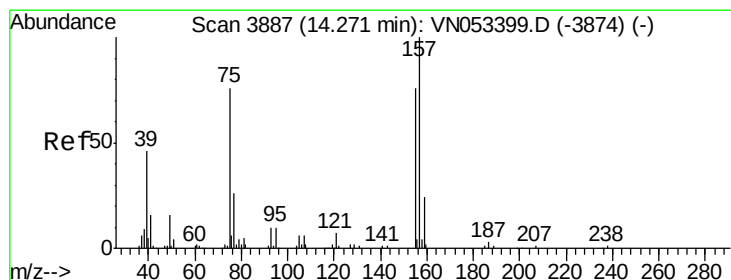
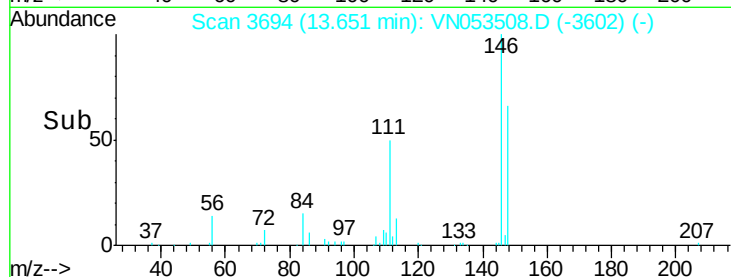
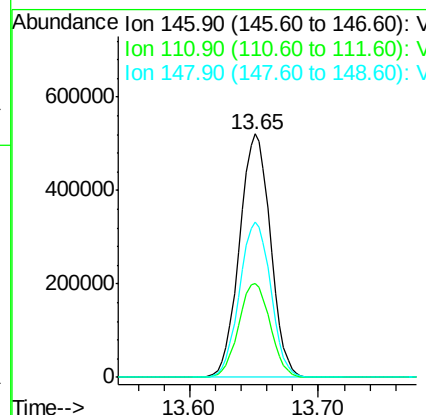
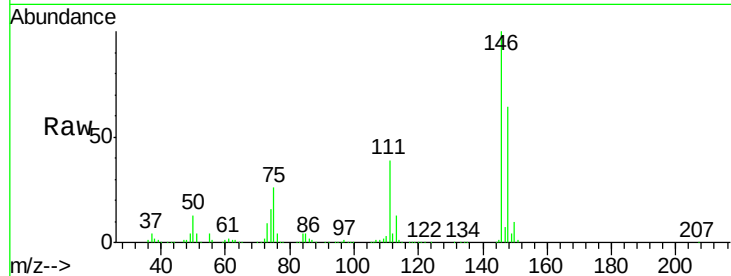




#91
 1,2-Dichlorobenzene
 Concen: 52.835 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

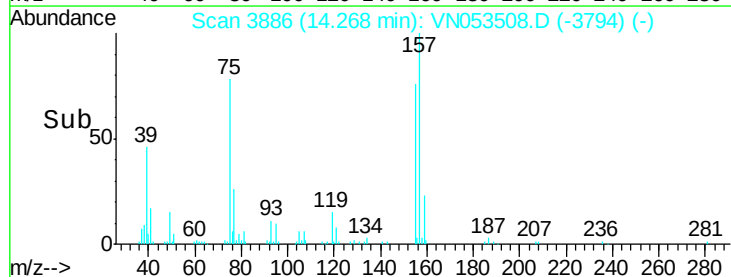
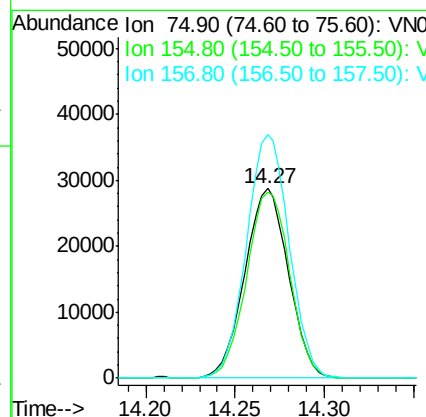
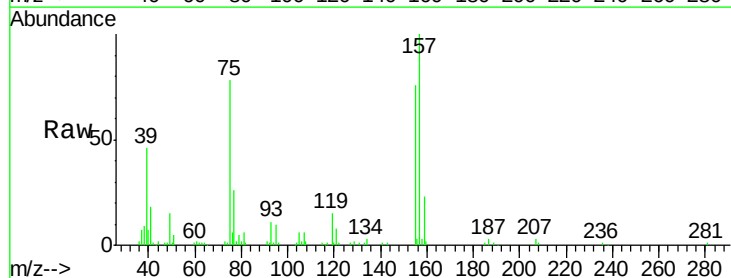
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

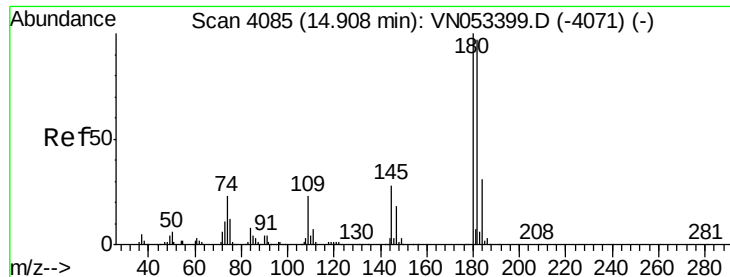
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.5	58.5
148	64.5	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.904 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	48.9	146.7
157	125.7	63.7	191.3

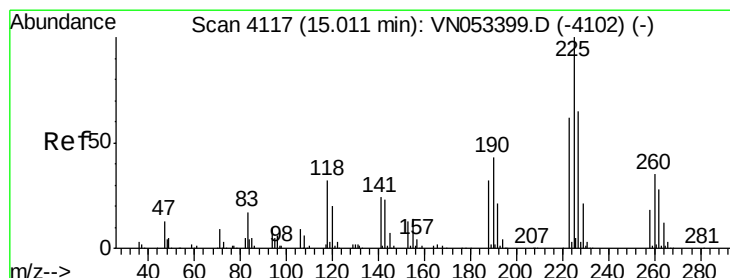
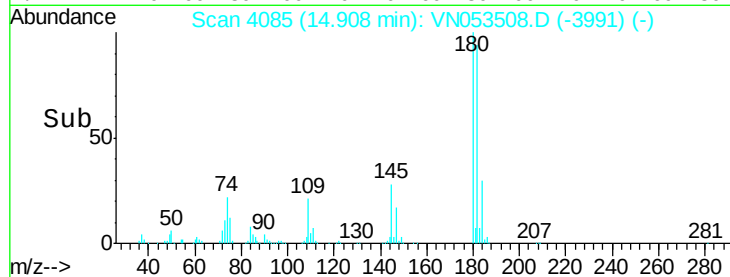
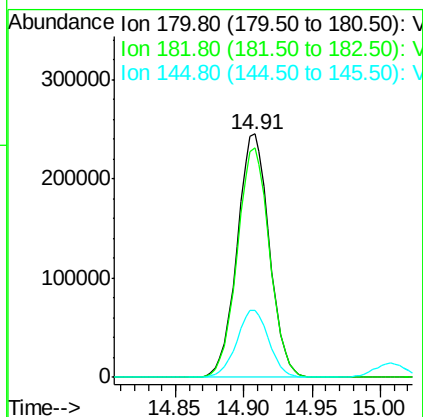
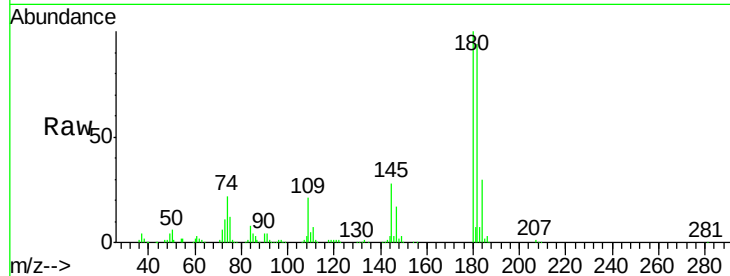




#93
 1,2,4-Trichlorobenzene
 Concen: 54.704 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

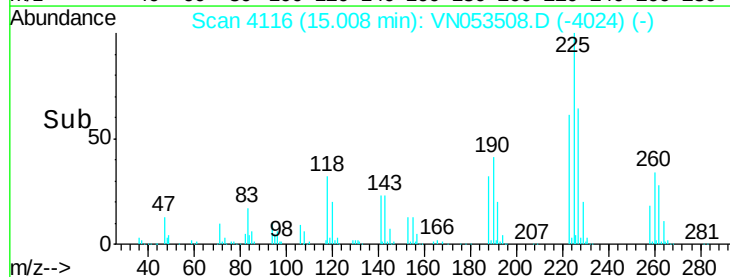
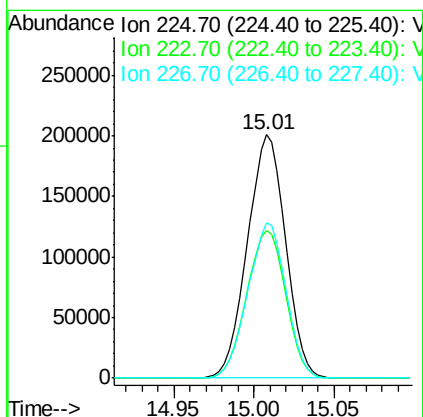
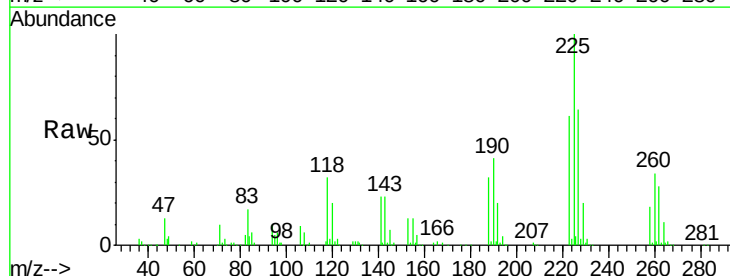
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

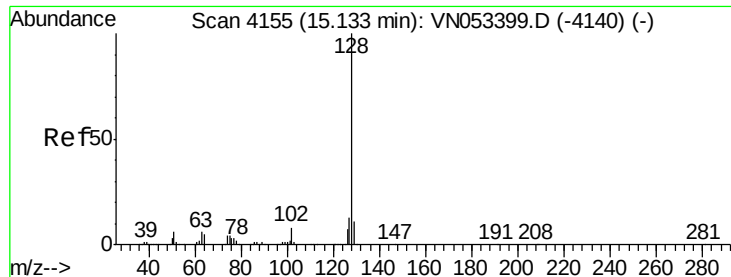
Tot Ion:180 Resp: 399353
 Ion Ratio Lower Upper
 180 100
 182 94.9 48.1 144.3
 145 27.7 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 63.897 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053508.D
 Acq: 22 Jan 2019 10:09

Tgt Ion:225 Resp: 328135
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.1 93.2
 227 63.7 32.0 96.2

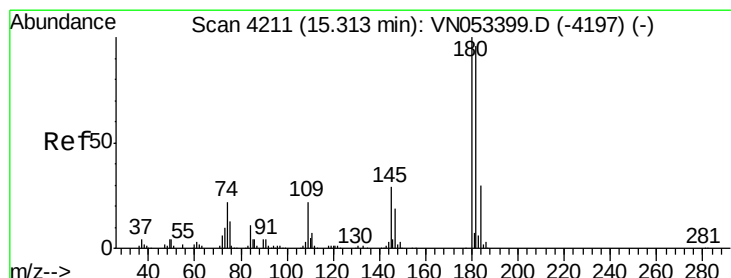
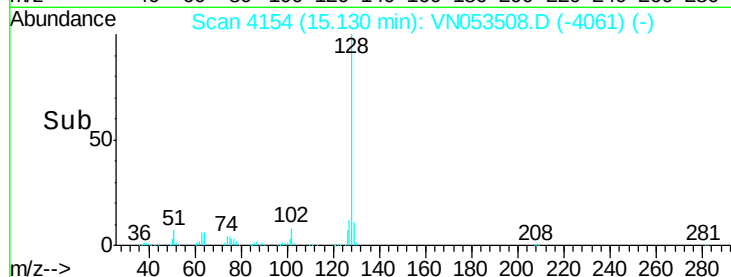
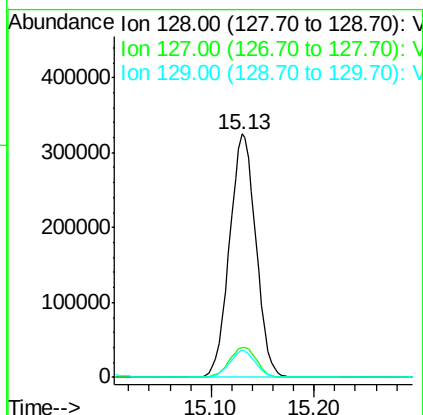
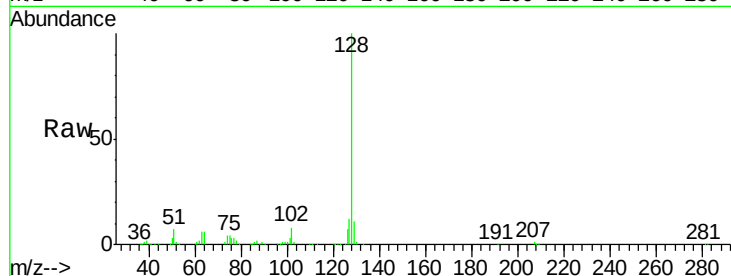




#95
Naphthalene
Concen: 45.724 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 578044
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 51.240 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053508.D
Acq: 22 Jan 2019 10:09

Tgt Ion:180 Resp: 272900
Ion Ratio Lower Upper
180 100
182 96.9 47.9 143.8
145 29.6 14.7 44.1

