

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021120\
 Data File : VN060053.D
 Acq On : 11 Feb 2020 9:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 12 04:19:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	183379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	284065	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	263359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	135657	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	109463	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
35) Dibromofluoromethane	7.57	113	90855	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	
50) Toluene-d8	10.08	98	343032	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
62) 4-Bromofluorobenzene	12.40	95	133443	56.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	85986	39.663	ug/l	100
3) Chloromethane	2.04	50	89691	42.721	ug/l	99
4) Vinyl Chloride	2.17	62	117955	49.104	ug/l	96
5) Bromomethane	2.54	94	66901	45.636	ug/l	99
6) Chloroethane	2.69	64	54752	48.178	ug/l	97
7) Trichlorofluoromethane	3.00	101	141765	49.142	ug/l	97
8) Diethyl Ether	3.38	74	53140	52.489	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.74	101	86150	53.656	ug/l	93
10) Methyl Iodide	3.93	142	108879	41.953	ug/l	95
11) Tert butyl alcohol	4.73	59	83720	244.203	ug/l	99
12) 1,1-Dichloroethene	3.72	96	77641	46.278	ug/l	92
13) Acrolein	3.58	56	48326	199.134	ug/l	99
14) Allyl chloride	4.29	41	117784	52.085	ug/l #	85
15) Acrylonitrile	4.94	53	219963	281.275	ug/l	99
16) Acetone	3.78	43	265176	387.275	ug/l	98
17) Carbon Disulfide	4.03	76	177731	37.188	ug/l	99
18) Methyl Acetate	4.29	43	134321	56.467	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	304207	55.613	ug/l	96
20) Methylene Chloride	4.52	84	93561	50.801	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	85959	48.200	ug/l	91
22) Diisopropyl ether	5.91	45	290116	56.611	ug/l	95
23) Vinyl Acetate	5.86	43	1105835	278.705	ug/l	96
24) 1,1-Dichloroethane	5.82	63	167783	53.582	ug/l	98
25) 2-Butanone	6.80	43	341229	295.887	ug/l	93
26) 2,2-Dichloropropane	6.79	77	164996	54.809	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	109378	53.323	ug/l	90
28) Bromochloromethane	7.17	49	73294	58.563	ug/l #	80
29) Tetrahydrofuran	7.18	42	188902	264.742	ug/l	89
30) Chloroform	7.35	83	182360	56.207	ug/l	99
31) Cyclohexane	7.63	56	134418	44.611	ug/l	91
32) 1,1,1-Trichloroethane	7.55	97	164576	54.862	ug/l	97
36) 1,1-Dichloropropene	7.77	75	126880	51.291	ug/l	97
37) Ethyl Acetate	6.90	43	124370	53.604	ug/l	98
38) Carbon Tetrachloride	7.75	117	144431	53.674	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	151357	49.622	ug/l	93
40) Benzene	8.02	78	382520	51.849	ug/l	100
41) Methacrylonitrile	7.18	41	178906	156.550	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	142760	57.072	ug/l	97
43) Isopropyl Acetate	8.14	43	219576	55.021	ug/l	96
44) Trichloroethene	8.82	130	108319	53.783	ug/l	94
45) 1,2-Dichloropropane	9.10	63	103879	56.902	ug/l	99
46) Dibromomethane	9.19	93	70664	54.873	ug/l	93
47) Bromodichloromethane	9.39	83	151728	58.467	ug/l	99
48) Methyl methacrylate	9.18	41	97060	54.374	ug/l	92
49) 1,4-Dioxane	9.18	88	32162	984.210	ug/l	94
51) 4-Methyl-2-Pentanone	9.97	43	654104	283.538	ug/l	96
52) Toluene	10.14	92	251999	54.077	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	170505	58.843	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	176352	57.842	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	105719	57.280	ug/l	97
56) Ethyl methacrylate	10.42	69	154931	54.937	ug/l	94
57) 1,3-Dichloropropane	10.70	76	171555	58.548	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	195005	229.570	ug/l	93
59) 2-Hexanone	10.74	43	521574	306.893	ug/l	95
60) Dibromochloromethane	10.89	129	124199	59.093	ug/l	98
61) 1,2-Dibromoethane	10.99	107	109270	56.486	ug/l	99
64) Tetrachloroethene	10.62	164	107123	49.908	ug/l	96
65) Chlorobenzene	11.43	112	283628	54.792	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	115037	57.514	ug/l	98
67) Ethyl Benzene	11.51	91	508265	54.089	ug/l	98
68) m/p-Xylenes	11.62	106	381356	107.437	ug/l	95
69) o-Xylene	11.94	106	186243	53.594	ug/l	97
70) Styrene	11.96	104	316978	54.511	ug/l	98
71) Bromoform	12.12	173	95381	59.533	ug/l #	98
73) Isopropylbenzene	12.25	105	519050	52.171	ug/l	100
74) N-amyl acetate	12.07	43	200163	51.849	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	155809	54.021	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	208313	91.246	ug/l #	100
77) Bromobenzene	12.52	156	129944	51.576	ug/l	85
78) n-propylbenzene	12.59	91	591171	52.940	ug/l	98
79) 2-Chlorotoluene	12.67	91	345921	52.072	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	436047	52.114	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	56908	53.531	ug/l	95
82) 4-Chlorotoluene	12.77	91	360406	54.090	ug/l	96
83) tert-Butylbenzene	12.99	119	376660	52.050	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	433690	52.392	ug/l	98
85) sec-Butylbenzene	13.17	105	515192	54.187	ug/l	99
86) p-Isopropyltoluene	13.29	119	474806	53.971	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	237876	54.354	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	234970	53.819	ug/l	98
89) n-Butylbenzene	13.61	91	430650	57.412	ug/l	99
90) Hexachloroethane	13.87	117	89875	54.602	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	230540	53.284	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	33833	54.855	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	147165	56.607	ug/l	99
94) Hexachlorobutadiene	15.01	225	79781	55.688	ug/l	100
95) Naphthalene	15.13	128	391194	52.902	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	140669	55.589	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

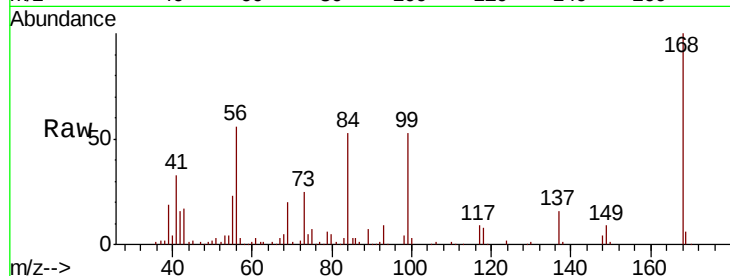
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 183379

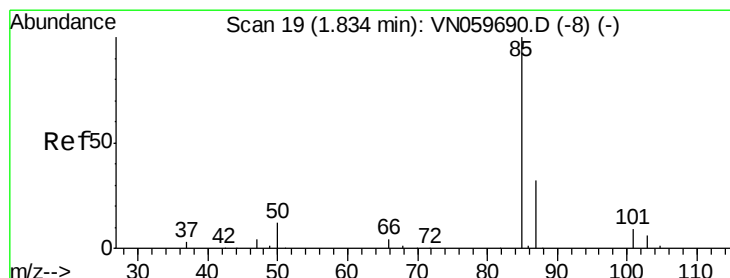
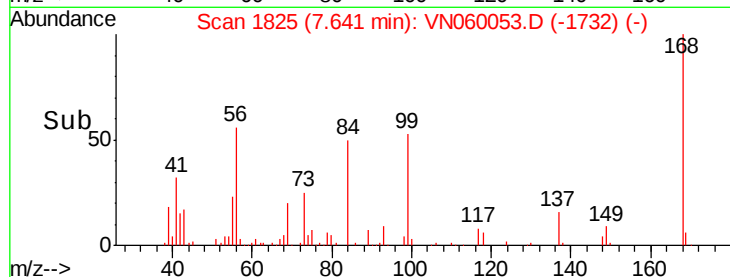
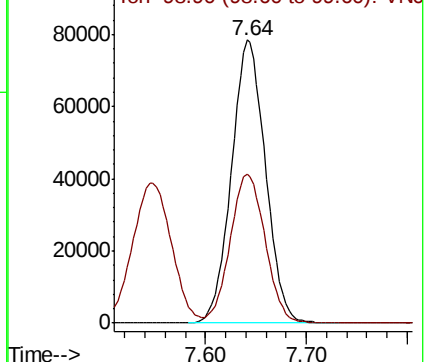
Ion Ratio Lower Upper

168 100

99 52.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): V



#2

Dichlorodifluoromethane

Concen: 39.663 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060053.D

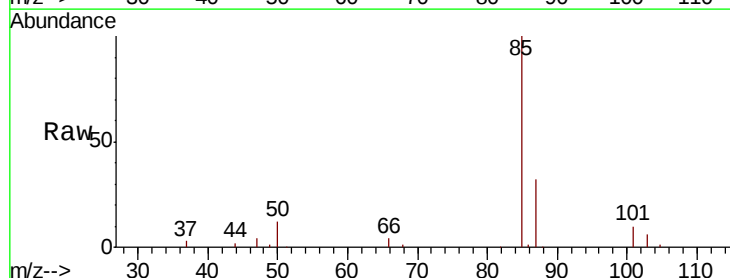
Acq: 11 Feb 2020 9:50

Tgt Ion: 85 Resp: 85986

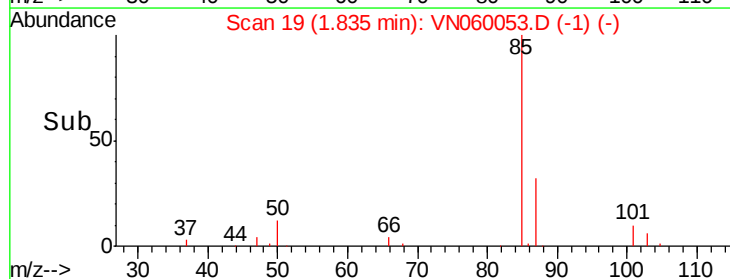
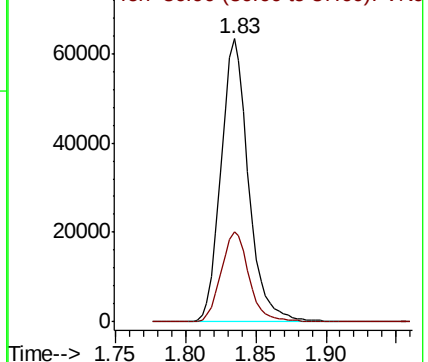
Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): V
Ion 86.90 (86.60 to 87.60): V

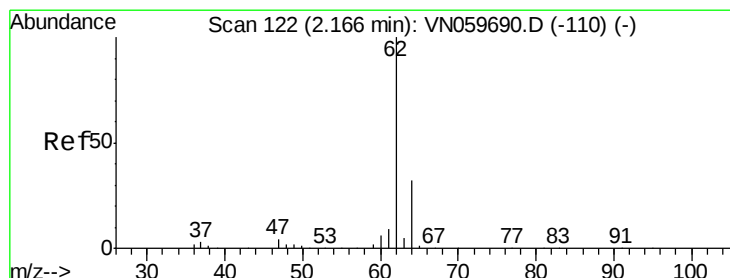
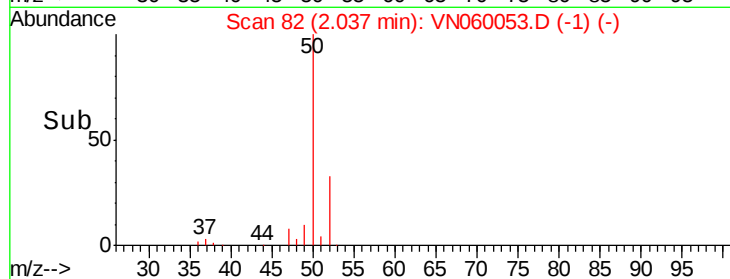
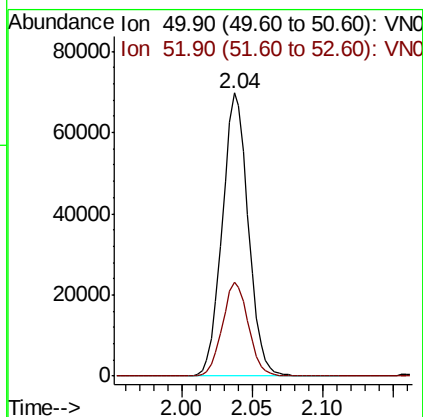
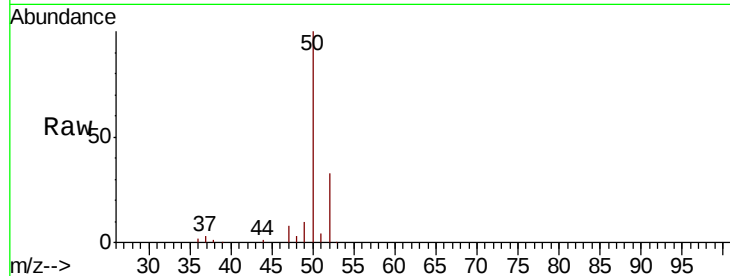




#3
 Chloromethane
 Concen: 42.721 ug/l
 RT: 2.04 min Scan# 82
 Delta R.T. 0.00 min
 Lab File: VN060053.D
 Acq: 11 Feb 2020 9:50

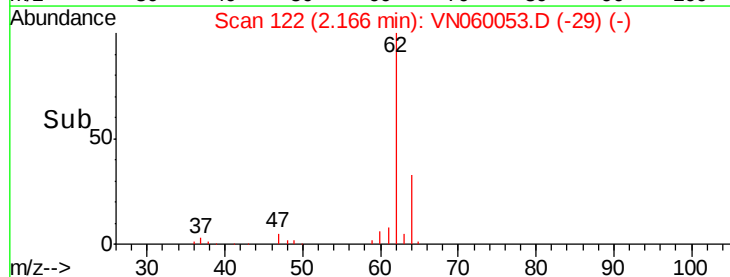
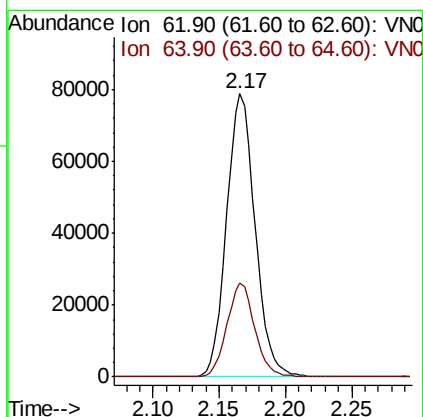
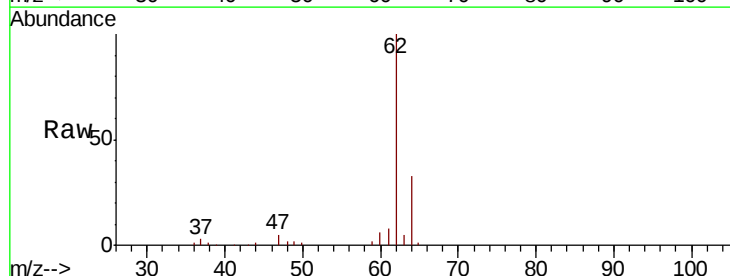
Instrument :
 MSVOA_N
 ClientSampled :

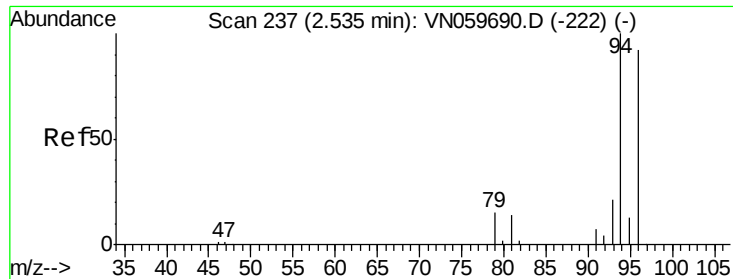
Tot Ion: 50 Resp: 89691
 Ion Ratio Lower Upper
 50 100
 52 33.2 25.9 38.9



#4
 Vinyl Chloride
 Concen: 49.104 ug/l
 RT: 2.17 min Scan# 122
 Delta R.T. 0.00 min
 Lab File: VN060053.D
 Acq: 11 Feb 2020 9:50

Tgt Ion: 62 Resp: 117955
 Ion Ratio Lower Upper
 62 100
 64 33.2 24.6 37.0

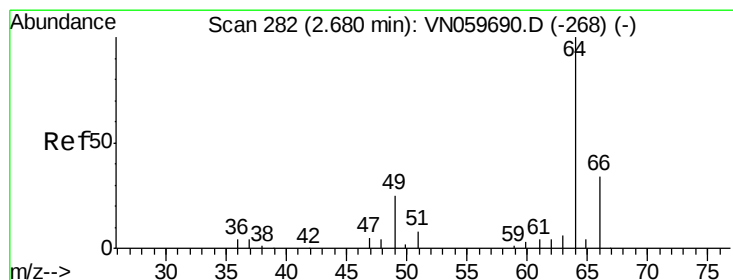
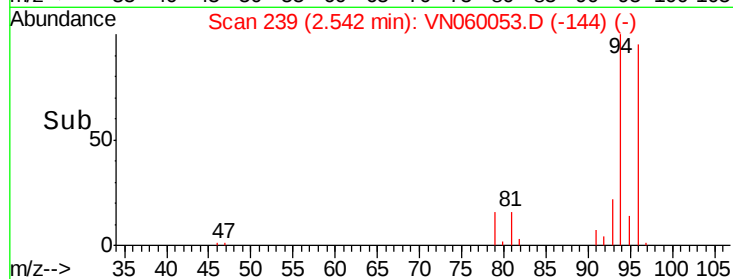
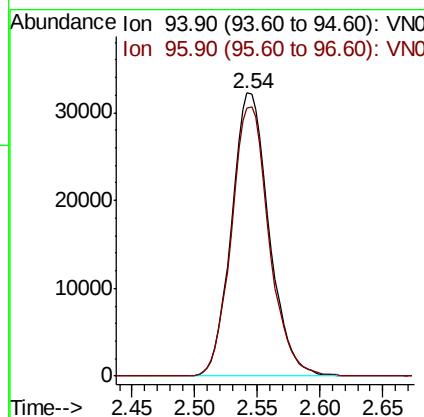
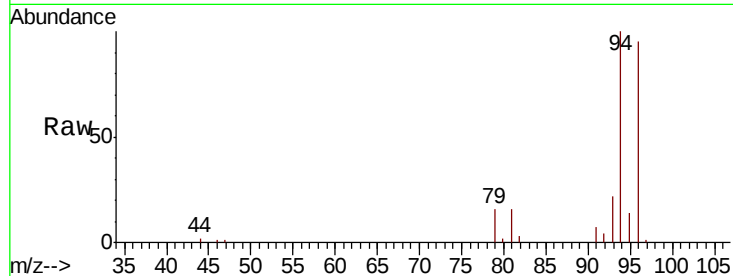




#5
Bromomethane
Concen: 45.636 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.01 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

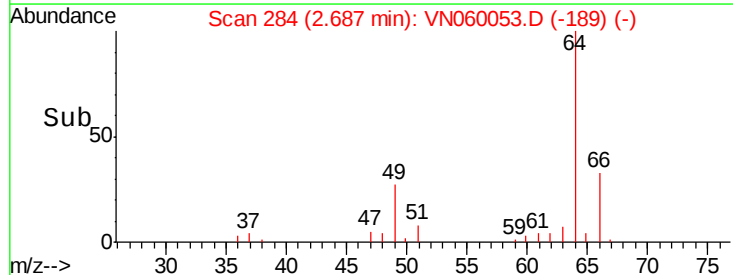
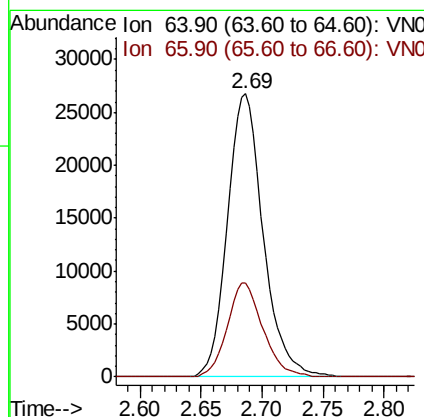
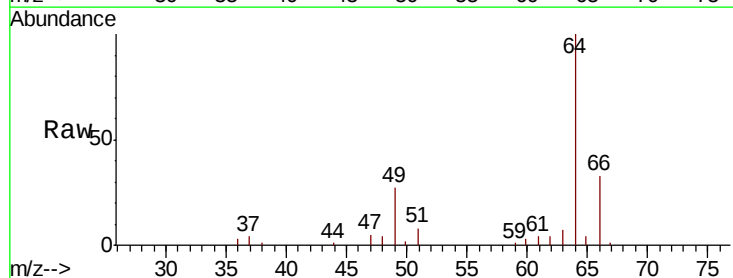
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 66901
Ion Ratio Lower Upper
94 100
96 94.7 74.7 112.1



#6
Chloroethane
Concen: 48.178 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.01 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Tgt Ion: 64 Resp: 54752
Ion Ratio Lower Upper
64 100
66 33.1 25.1 37.7



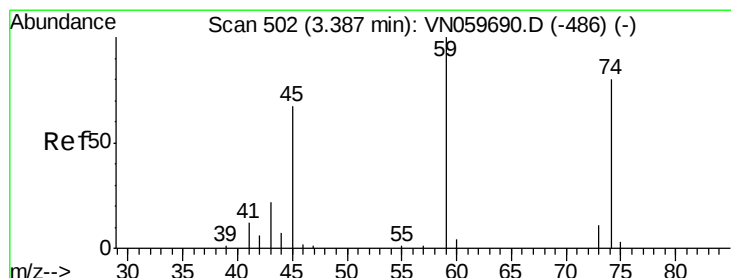
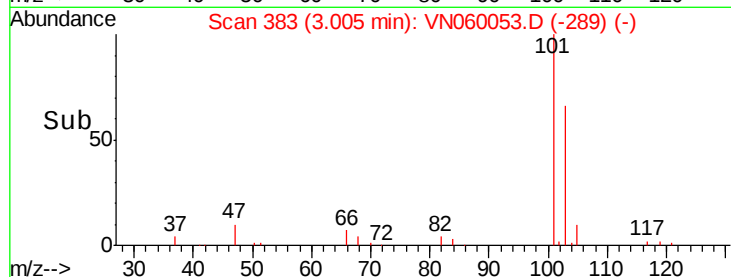
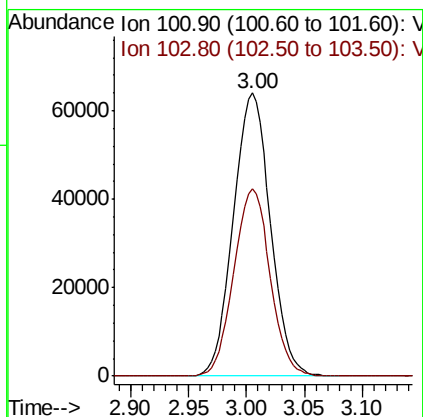
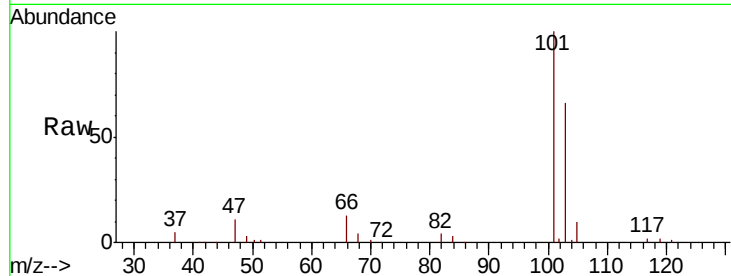


#7

Trichlorofluoromethane
Concen: 49.142 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Instrument :
MSVOA_N
ClientSampled :

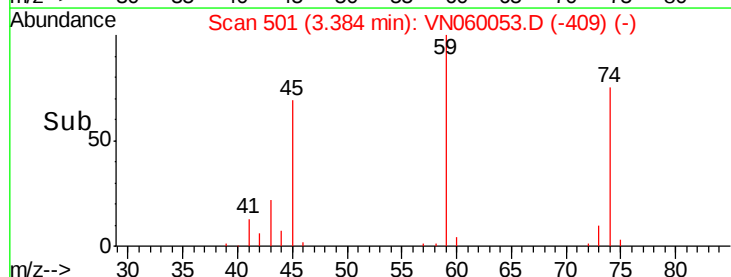
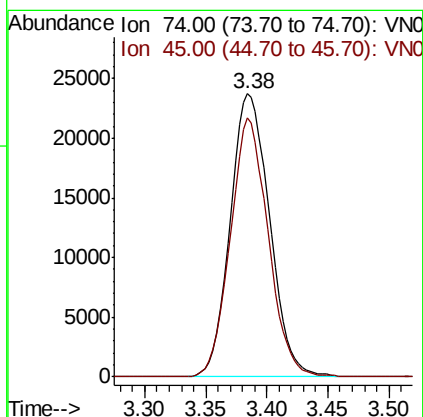
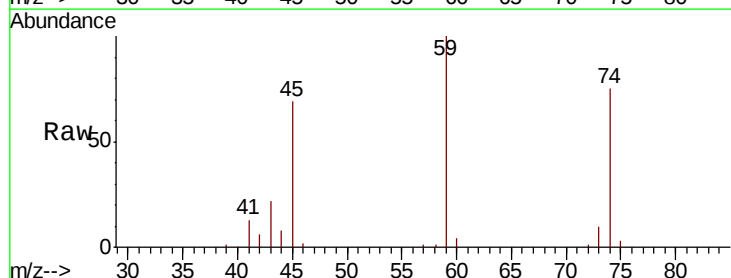
Tot Ion:101 Resp: 141765
Ion Ratio Lower Upper
101 100
103 66.1 51.0 76.6



#8

Diethyl Ether
Concen: 52.489 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Tgt Ion: 74 Resp: 53140
Ion Ratio Lower Upper
74 100
45 87.8 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.656 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

Instrument :

MSVOA_N

ClientSampleId :

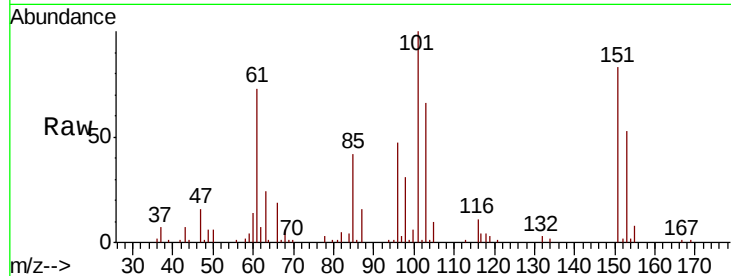
Tot Ion:101 Resp: 86150

Ion Ratio Lower Upper

101 100

85 42.7 36.6 54.8

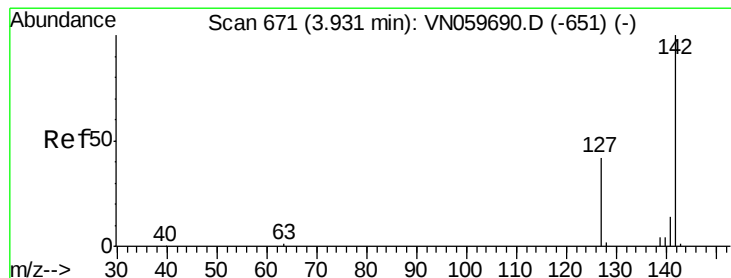
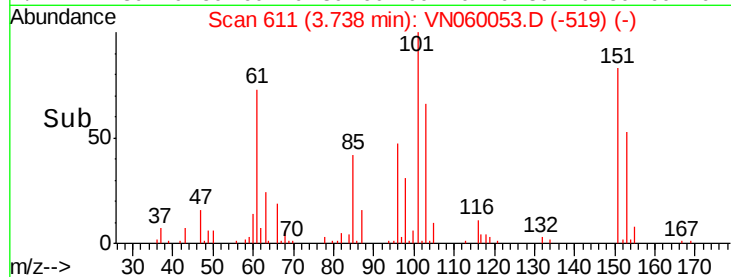
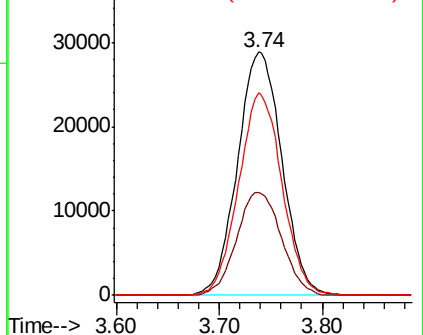
151 81.3 59.7 89.5



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: 41.953 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

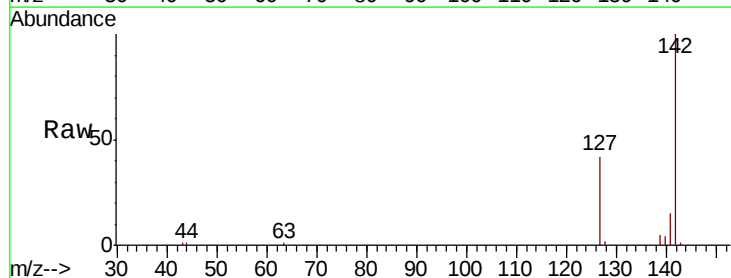
Tgt Ion:142 Resp: 108879

Ion Ratio Lower Upper

142 100

127 41.9 36.7 55.1

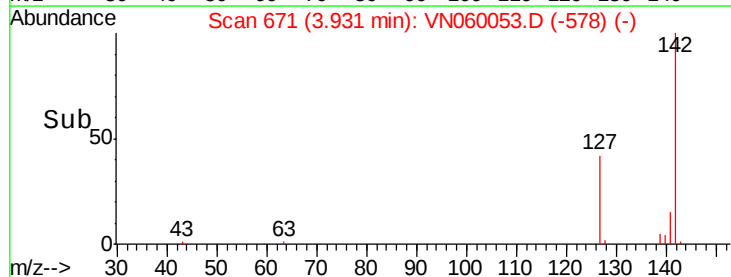
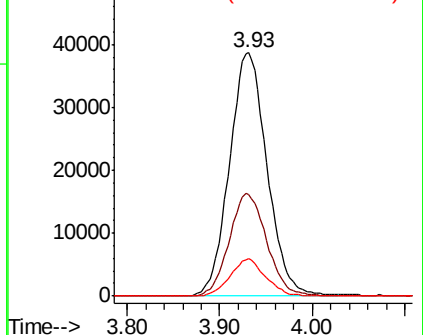
141 14.2 11.7 17.5

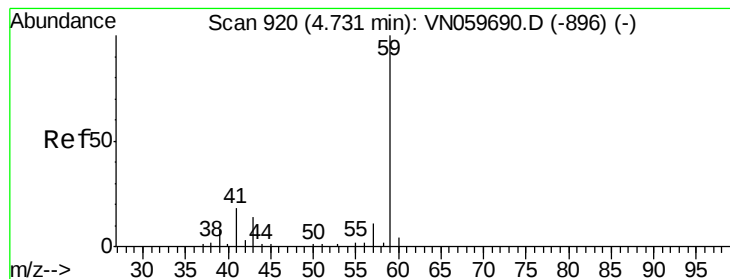


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



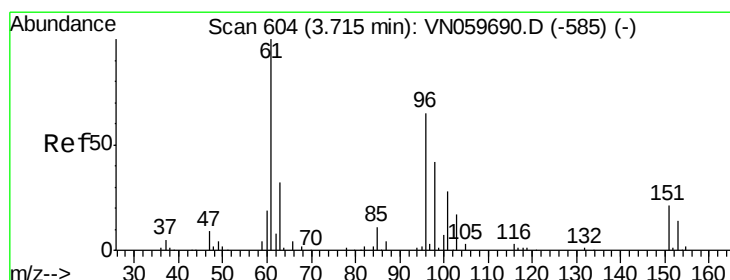
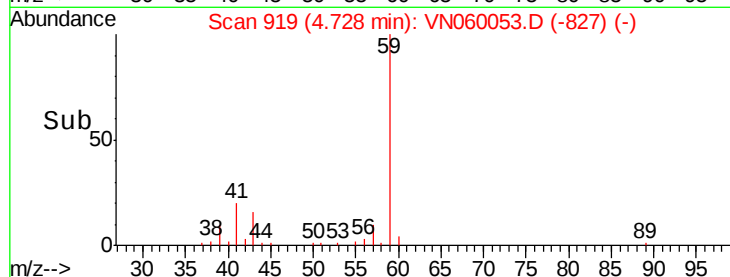
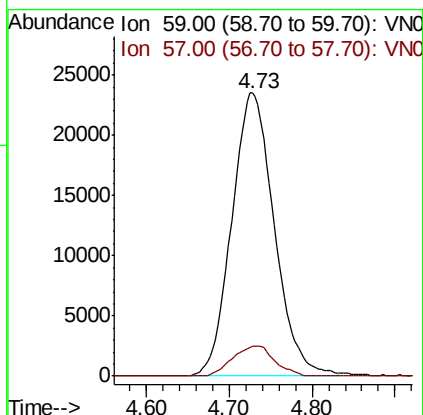
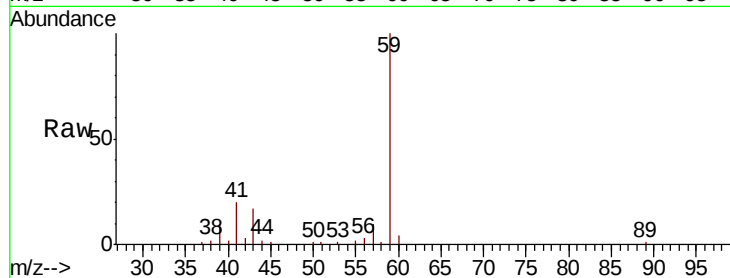


#11

Tert butyl alcohol
Concen: 244.203 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Instrument :
MSVOA_N
ClientSampled :

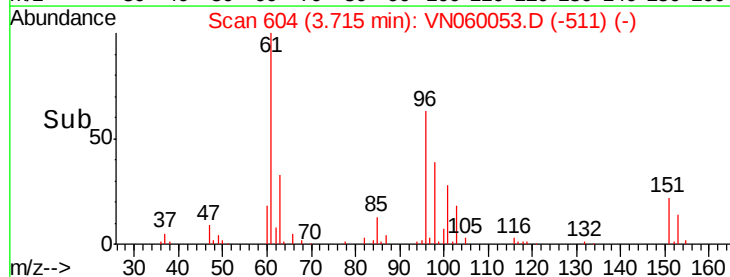
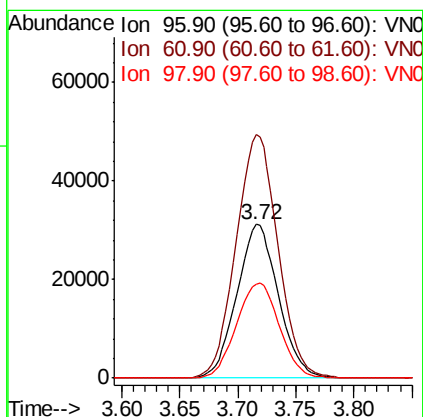
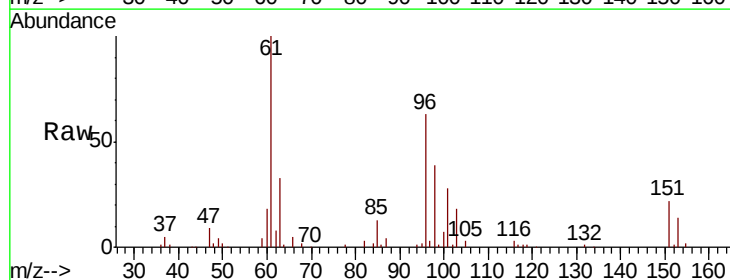
Tot Ion: 59 Resp: 83720
Ion Ratio Lower Upper
59 100
57 10.5 8.6 12.8



#12

1,1-Dichloroethene
Concen: 46.278 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Tgt Ion: 96 Resp: 77641
Ion Ratio Lower Upper
96 100
61 158.4 137.5 206.3
98 61.3 50.2 75.4





#13

Acrolein

Concen: 199.134 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

Instrument :

MSVOA_N

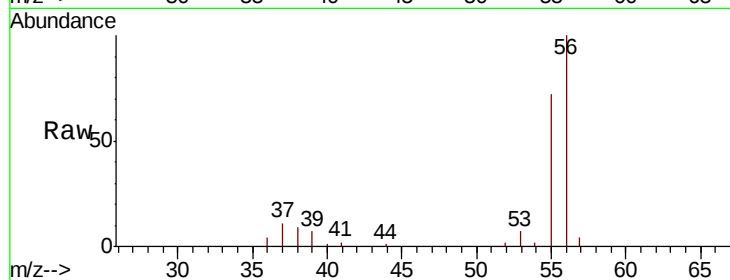
ClientSampled :

Tot Ion: 56 Resp: 48326

Ion Ratio Lower Upper

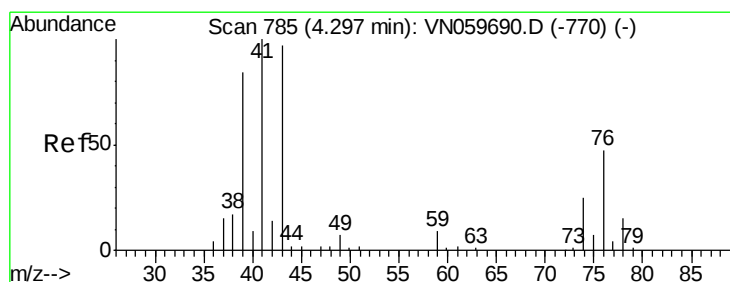
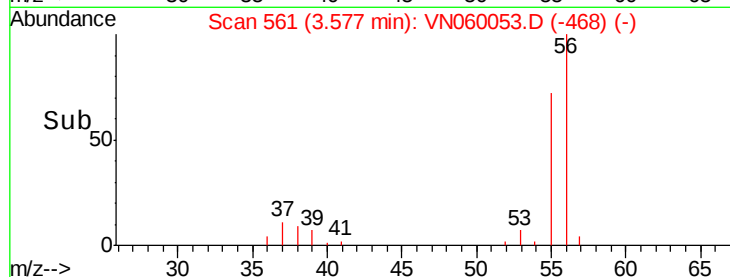
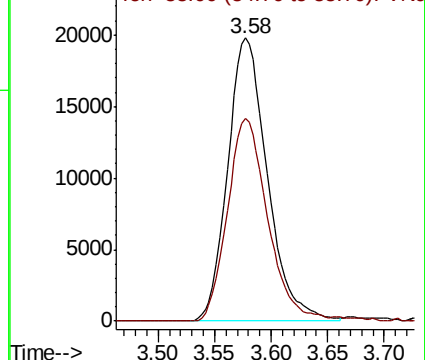
56 100

55 72.4 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 52.085 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

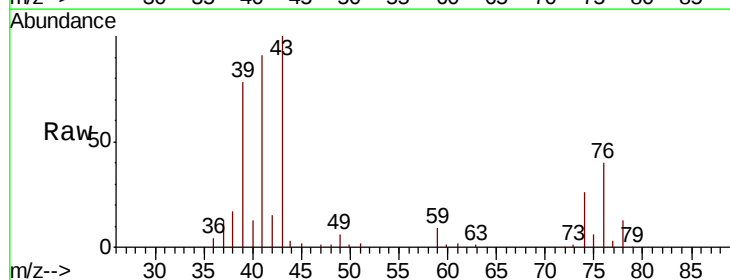
Tgt Ion: 41 Resp: 117784

Ion Ratio Lower Upper

41 100

39 83.8 57.8 86.8

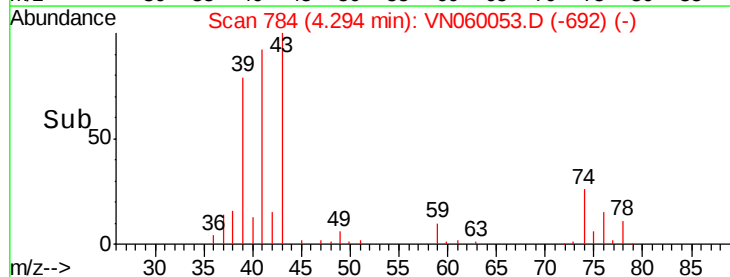
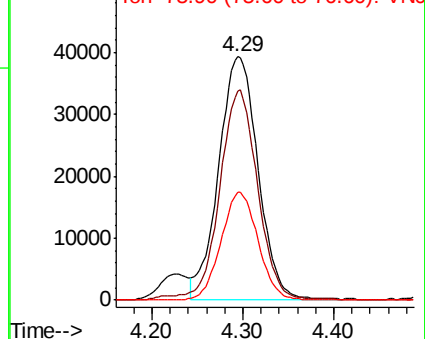
76 41.7 25.4 38.0#

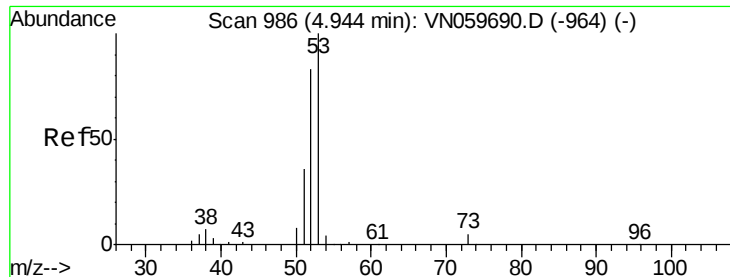


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 281.275 ug/l

RT: 4.94 min Scan# 986

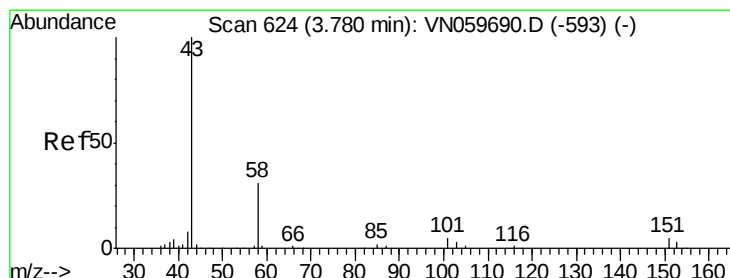
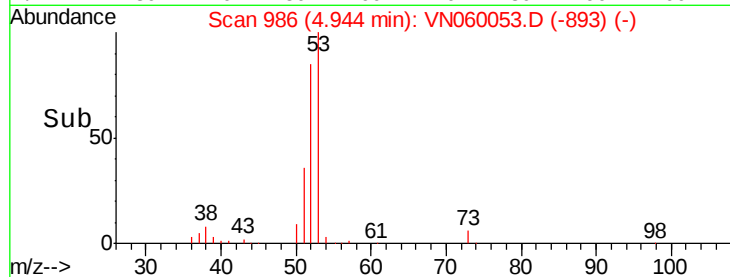
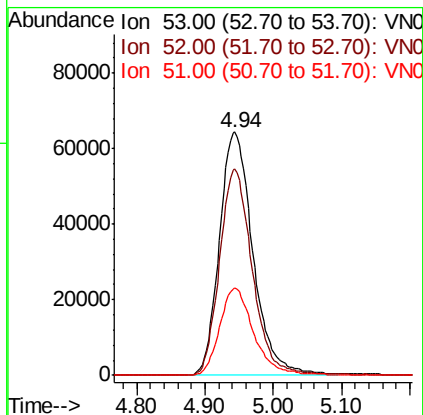
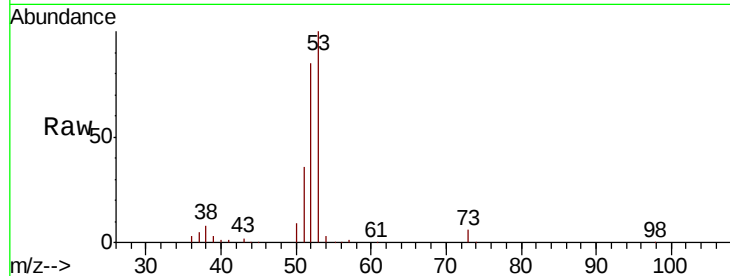
Delta R.T. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	53	Resp:	219963
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.3	99.5
51	36.6	29.7	44.5



#16

Acetone

Concen: 387.275 ug/l

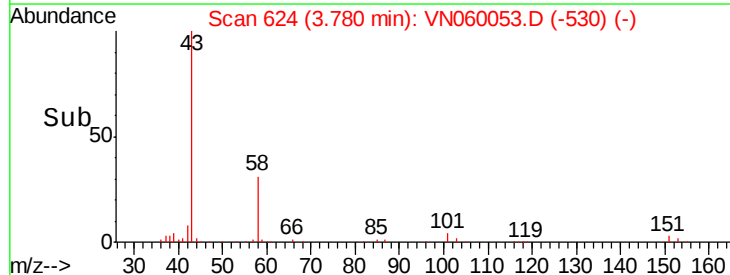
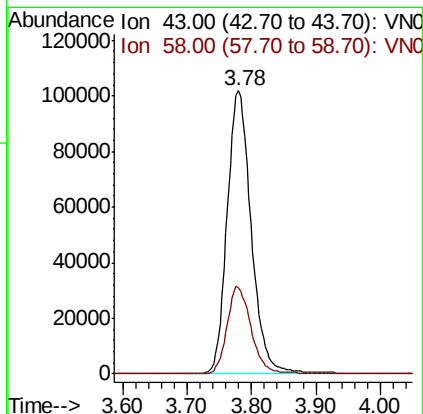
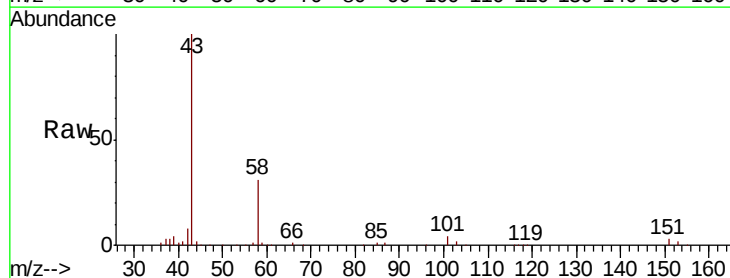
RT: 3.78 min Scan# 624

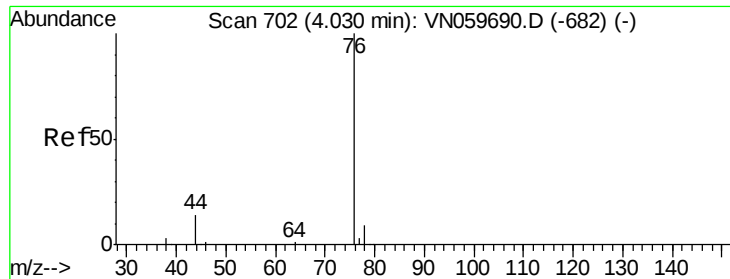
Delta R.T. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

Tgt Ion:	43	Resp:	265176
Ion	Ratio	Lower	Upper
43	100		
58	30.5	23.6	35.4

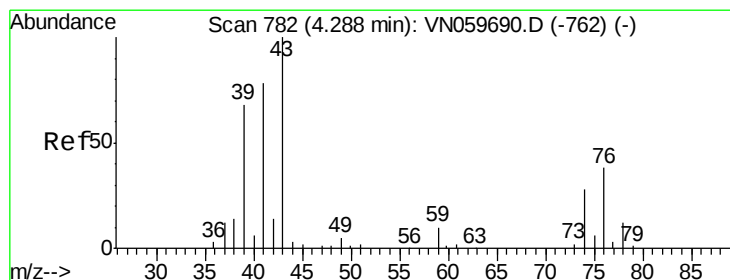
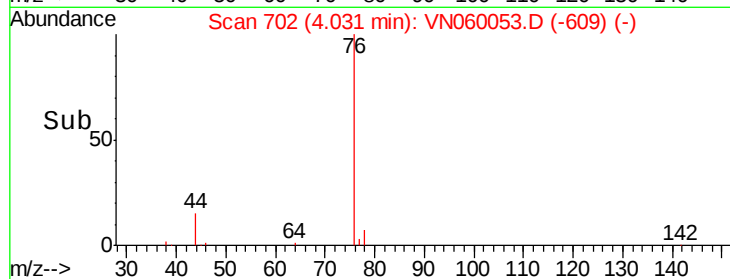
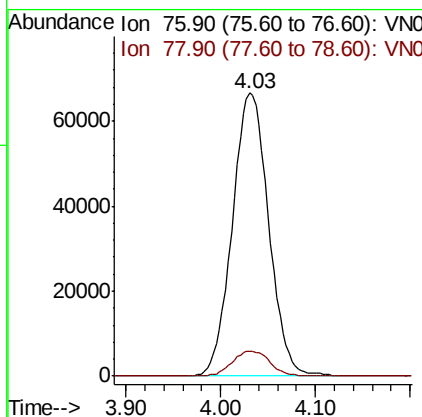
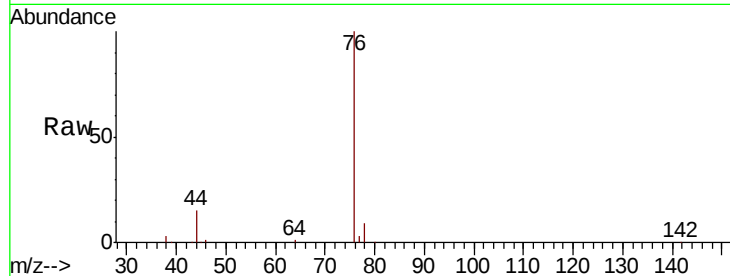




#17
Carbon Disulfide
Concen: 37.188 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

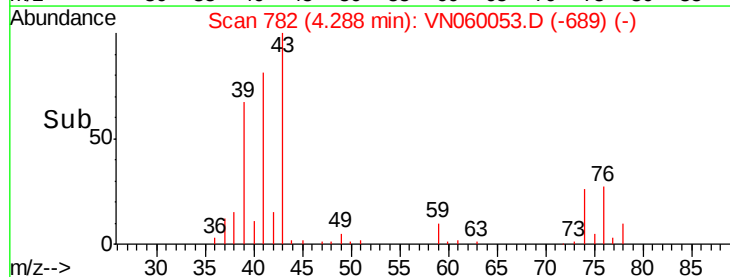
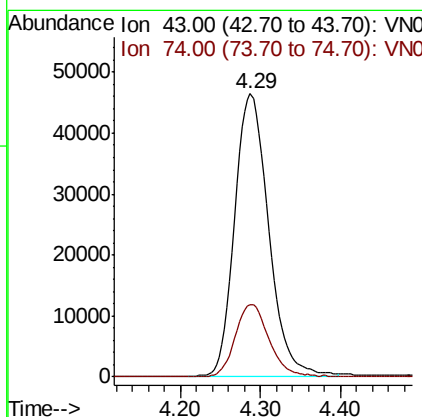
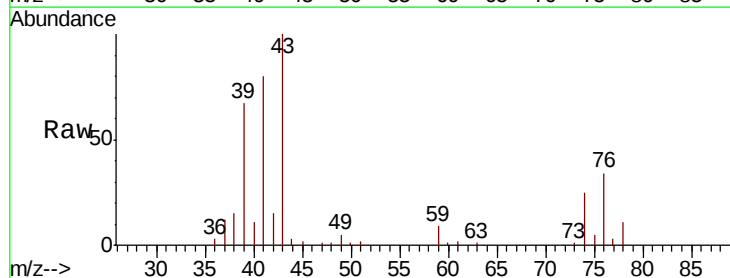
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 177731
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0



#18
Methyl Acetate
Concen: 56.467 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Tgt Ion: 43 Resp: 134321
Ion Ratio Lower Upper
43 100
74 25.3 17.5 26.3

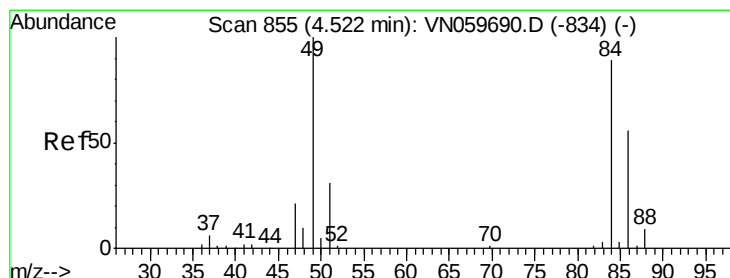
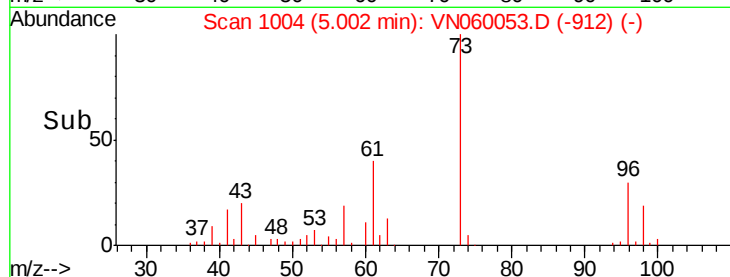
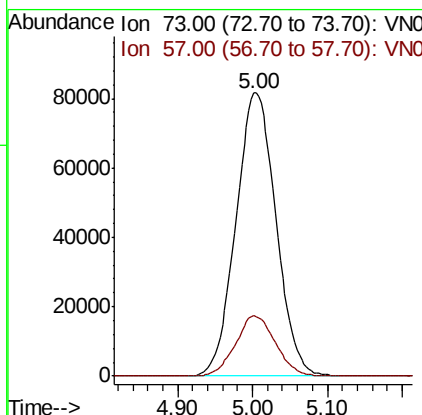
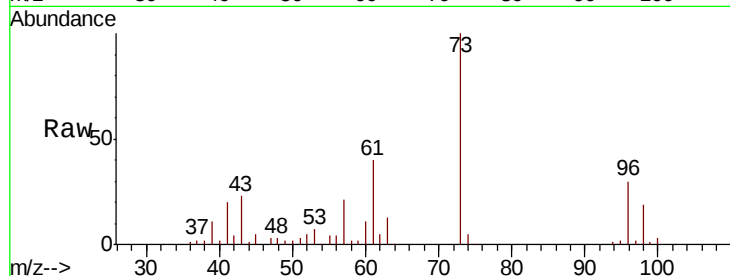




#19
Methvl tert-butvl Ether
Concen: 55.613 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

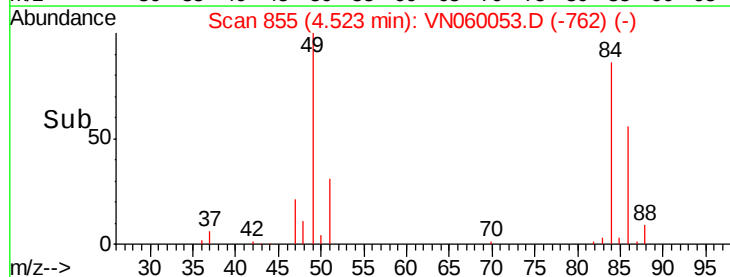
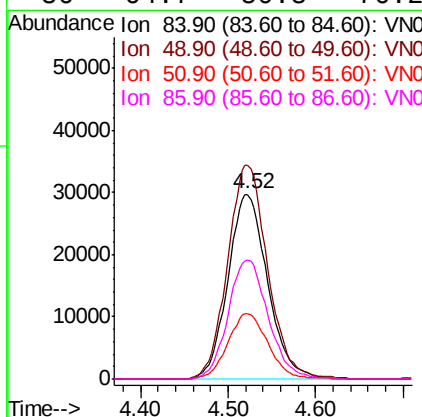
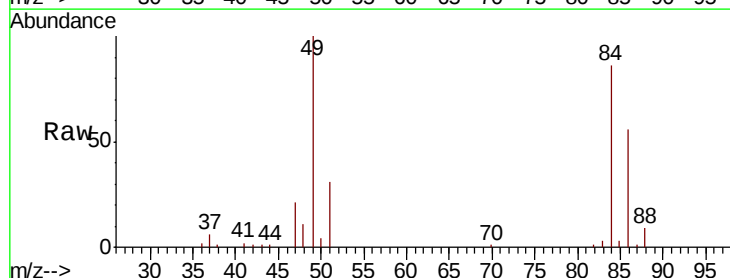
Instrument :
MSVOA_N
ClientSampleId :

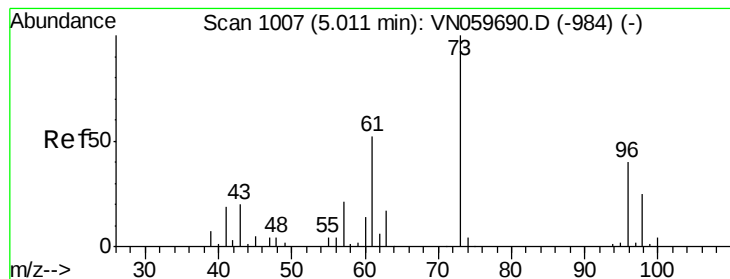
Tot Ion: 73 Resp: 304207
Ion Ratio Lower Upper
73 100
57 21.3 18.6 27.8



#20
Methylene Chloride
Concen: 50.801 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Tgt Ion: 84 Resp: 93561
Ion Ratio Lower Upper
84 100
49 115.9 106.6 160.0
51 35.4 31.9 47.9
86 64.7 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 48.200 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

Instrument :
MSVOA_N
ClientSampled :

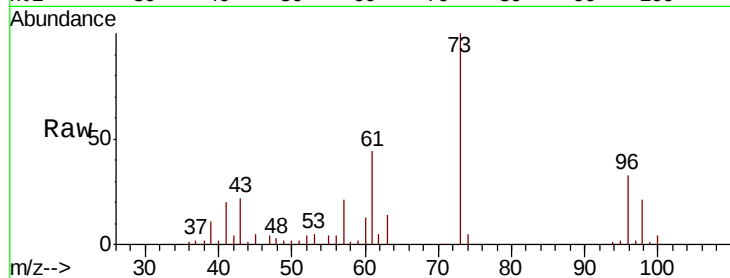
Tot Ion: 96 Resp: 85959

Ion Ratio Lower Upper

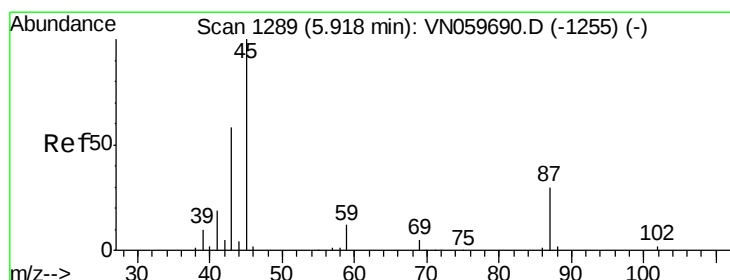
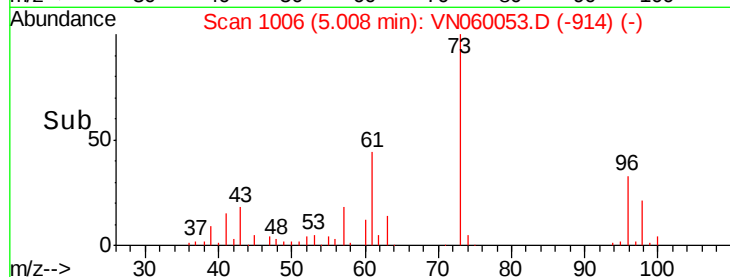
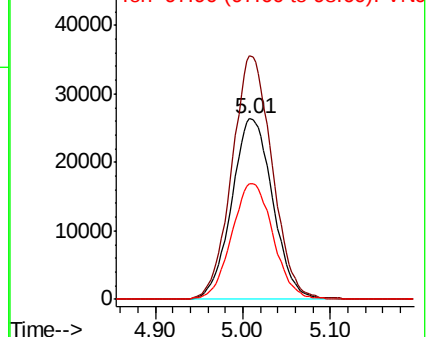
96 100

61 134.9 120.4 180.6

98 64.1 50.6 75.8



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



#22

Diisopropyl ether

Concen: 56.611 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

Tgt Ion: 45 Resp: 290116

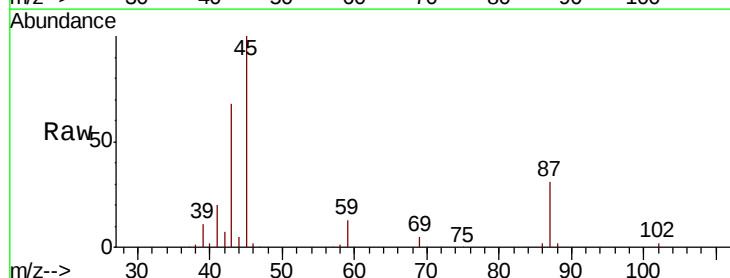
Ion Ratio Lower Upper

45 100

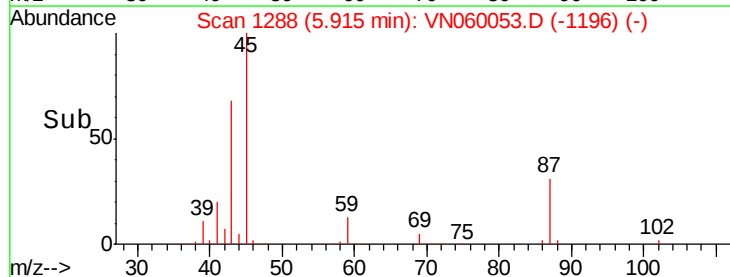
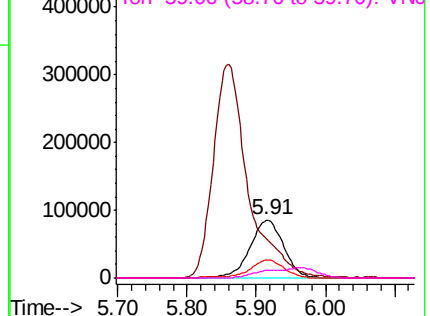
43 66.5 50.8 76.2

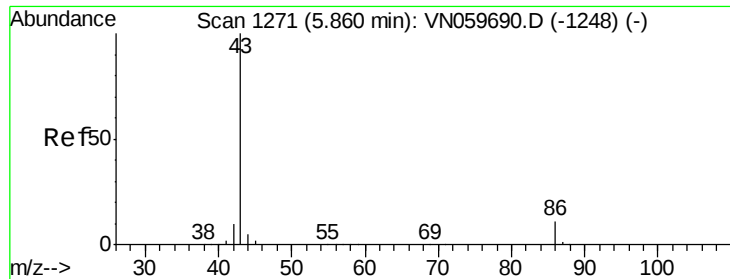
87 30.5 21.0 31.6

59 12.3 9.1 13.7



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

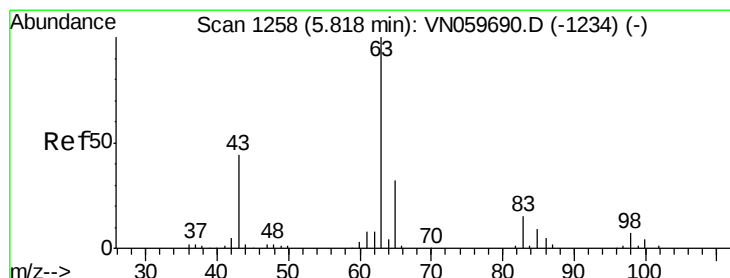
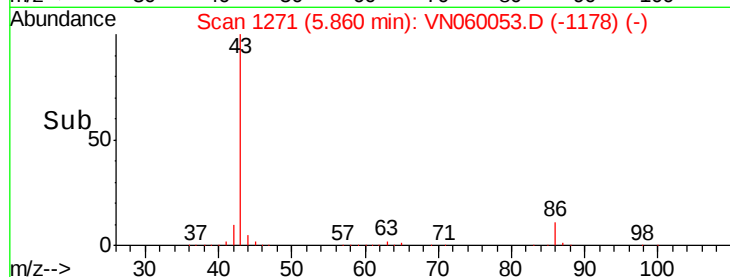
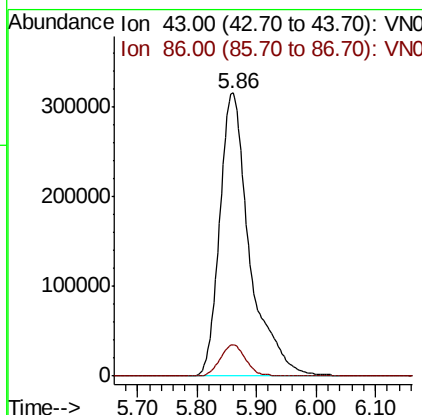
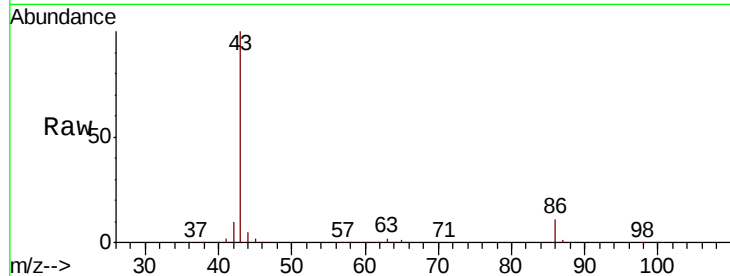




#23
 Vinyl Acetate
 Concen: 278.705 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN060053.D
 Acq: 11 Feb 2020 9:50

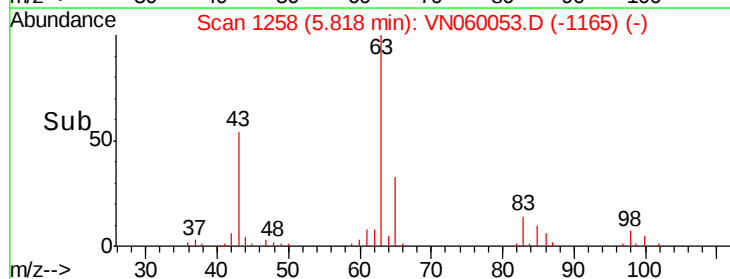
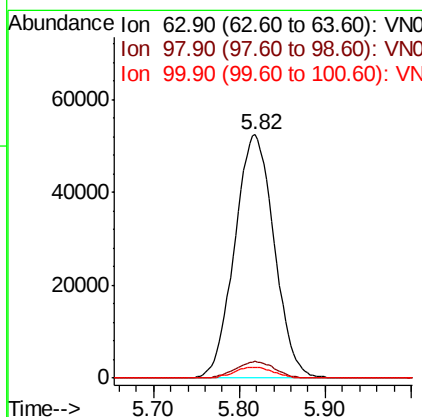
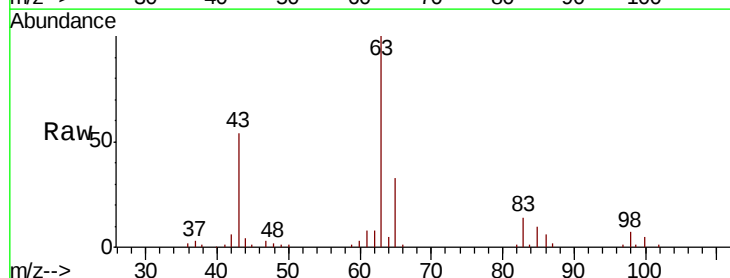
Instrument :
 MSVOA_N
 ClientSampleId :

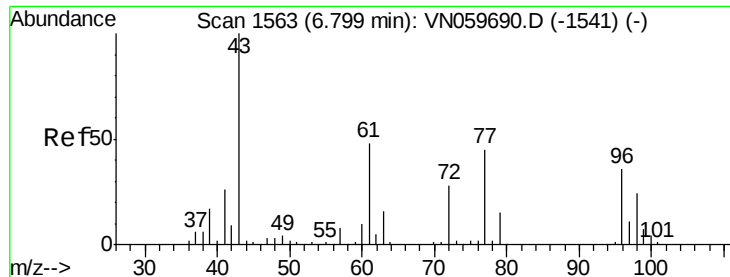
Tot Ion: 43 Resp: 1105835
 Ion Ratio Lower Upper
 43 100
 86 11.1 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 53.582 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN060053.D
 Acq: 11 Feb 2020 9:50

Tgt Ion: 63 Resp: 167783
 Ion Ratio Lower Upper
 63 100
 98 6.8 2.9 8.7
 100 4.5 2.0 6.0





#25

2-Butanone

Concen: 295.887 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

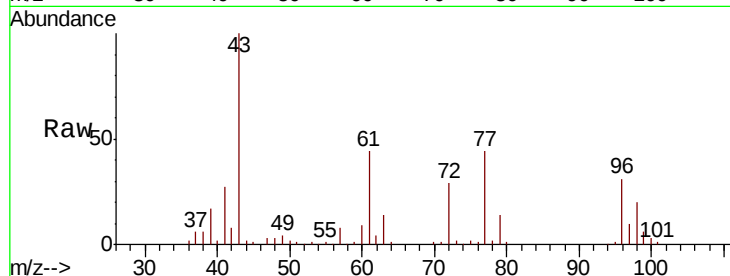
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 341229

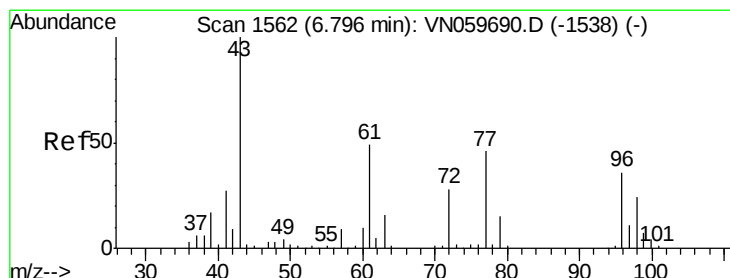
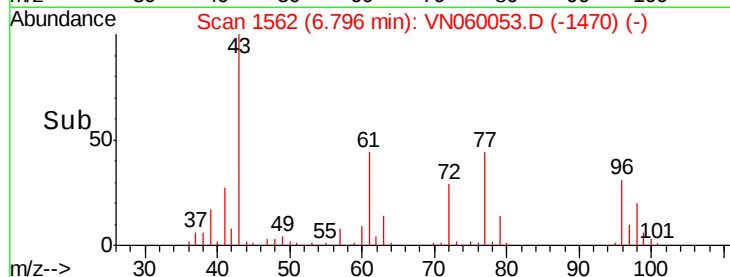
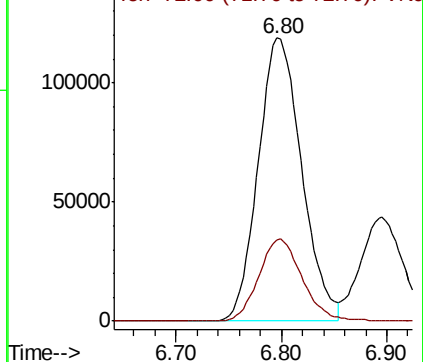
Ion Ratio Lower Upper

43 100

72 28.6 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 54.809 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060053.D

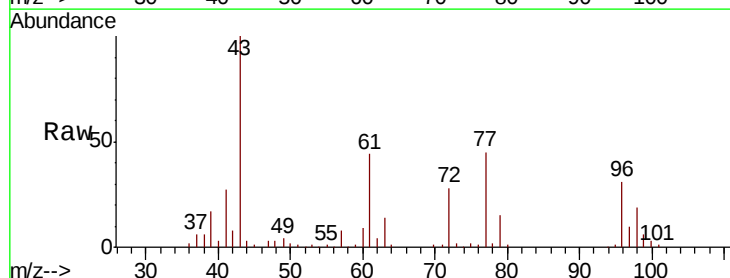
Acq: 11 Feb 2020 9:50

Tgt Ion: 77 Resp: 164996

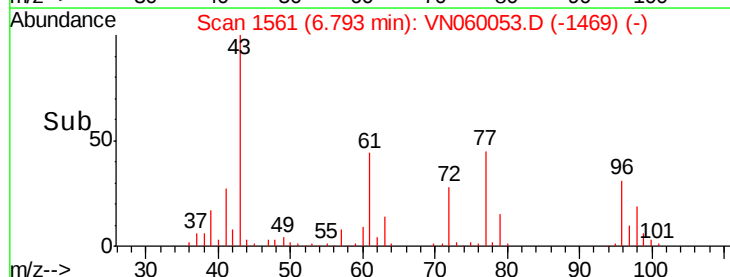
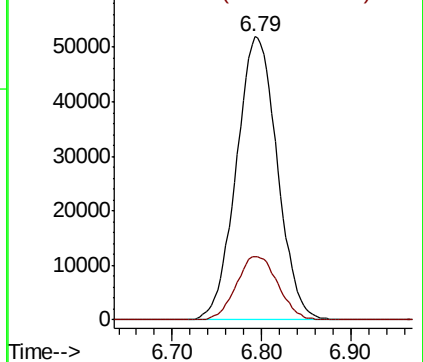
Ion Ratio Lower Upper

77 100

97 22.8 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0
Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 53.323 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

Instrument :
MSVOA_N
ClientSampled :

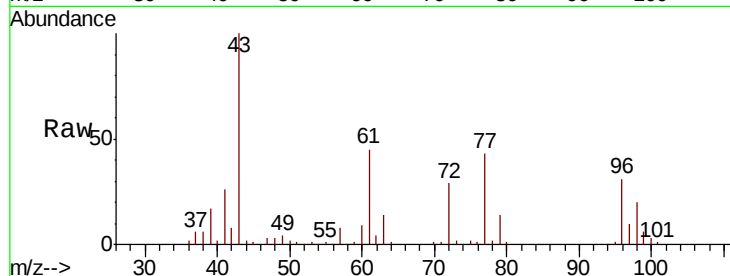
Tot Ion: 96 Resp: 109378

Ion Ratio Lower Upper

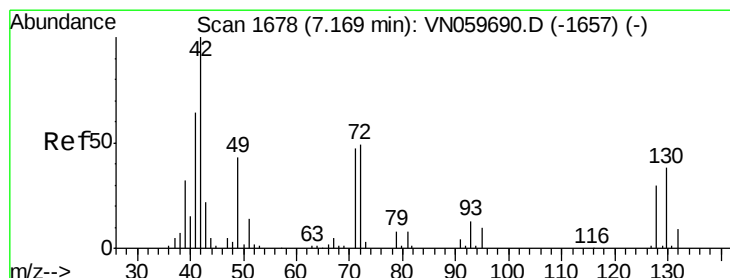
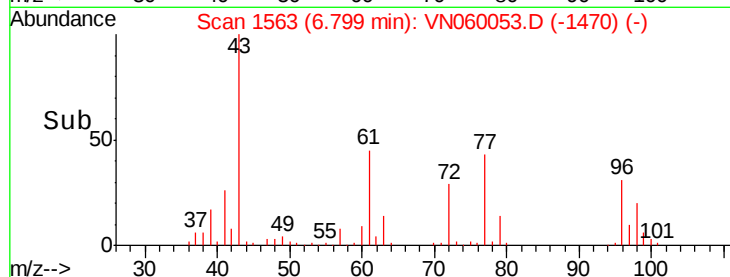
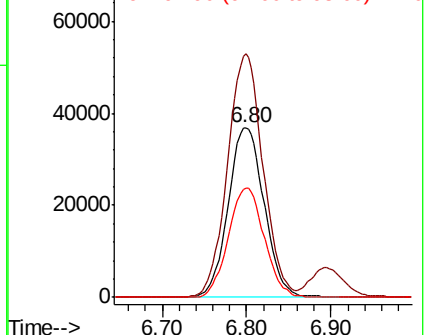
96 100

61 141.6 0.0 317.6

98 64.2 0.0 127.0



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



#28

Bromochloromethane

Concen: 58.563 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

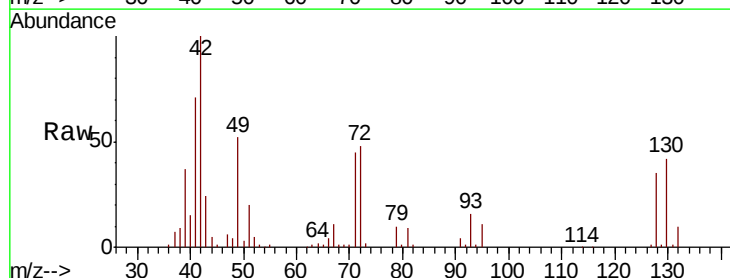
Tgt Ion: 49 Resp: 73294

Ion Ratio Lower Upper

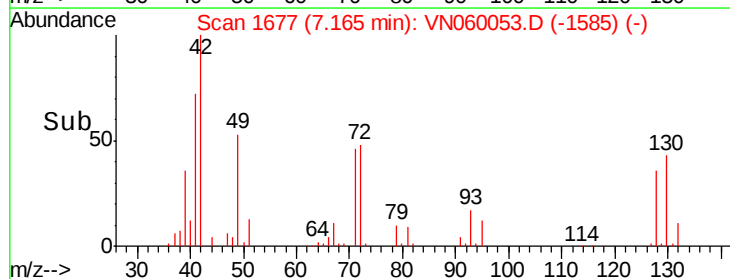
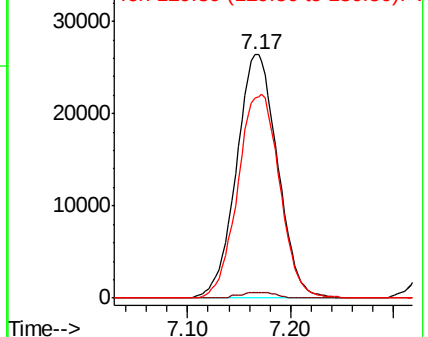
49 100

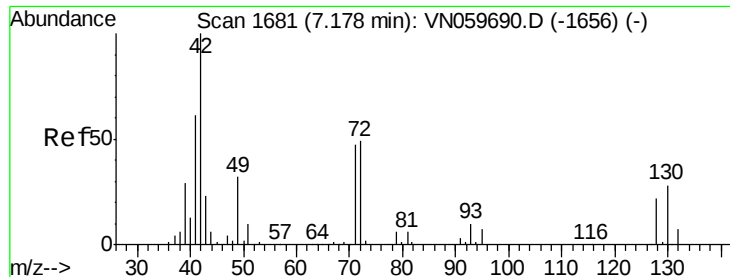
129 2.0 0.0 3.4

130 85.1 54.7 82.1#



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

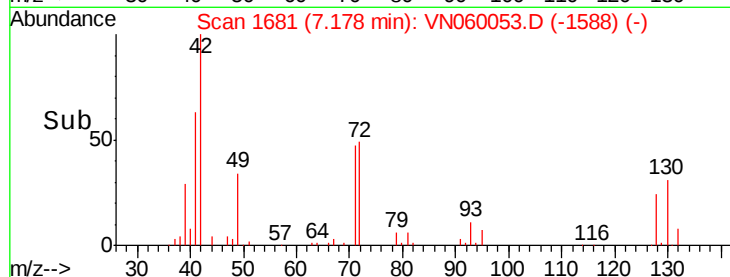
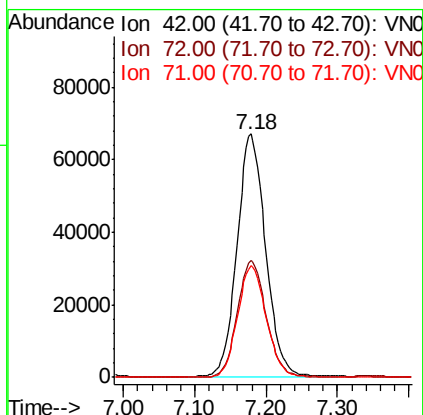
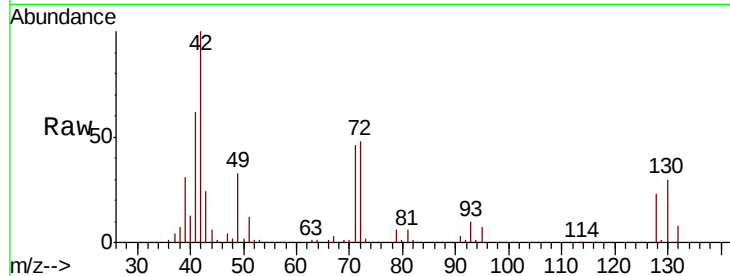




#29
Tetrahydrofuran
Concen: 264.742 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

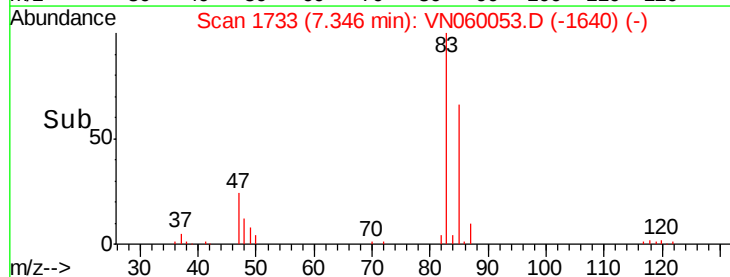
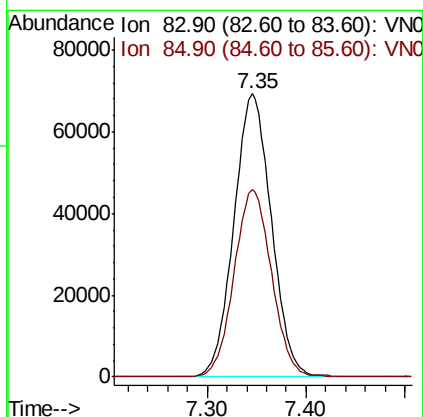
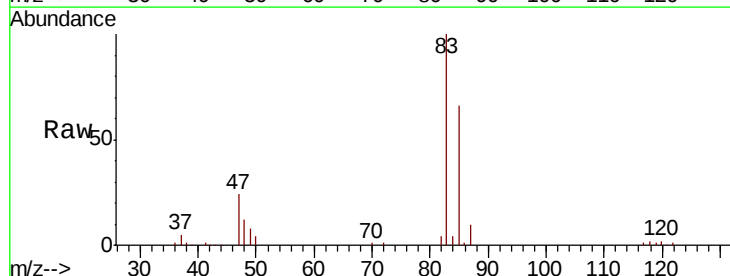
Instrument :
MSVOA_N
ClientSampled :

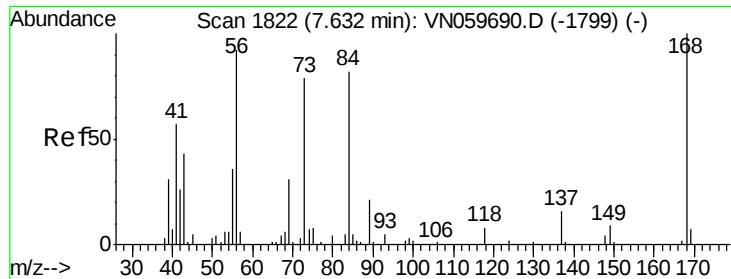
Tot Ion: 42 Resp: 188902
Ion Ratio Lower Upper
42 100
72 48.0 33.1 49.7
71 45.6 31.4 47.0



#30
Chloroform
Concen: 56.207 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Tgt Ion: 83 Resp: 182360
Ion Ratio Lower Upper
83 100
85 66.3 52.4 78.6

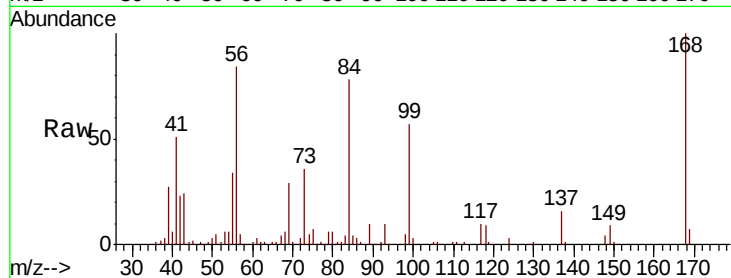




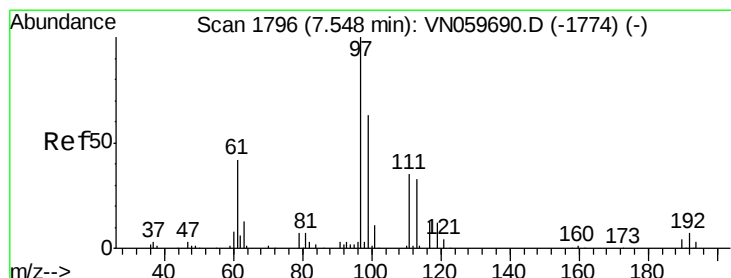
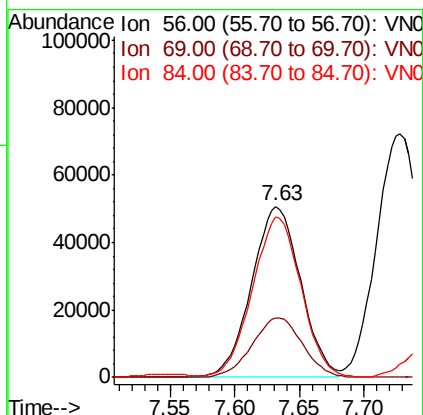
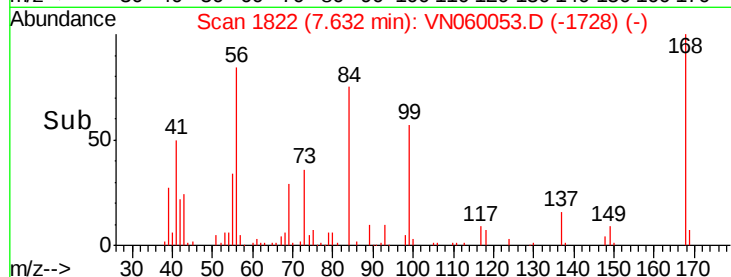
#31
Cyclohexane
Concen: 44.611 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 134418
Ion Ratio Lower Upper
56 100
69 35.0 26.5 39.7
84 92.2 65.3 97.9

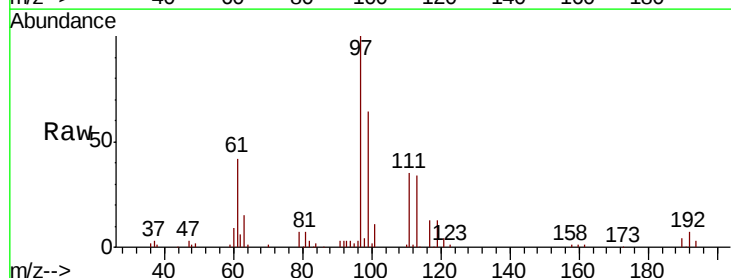


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

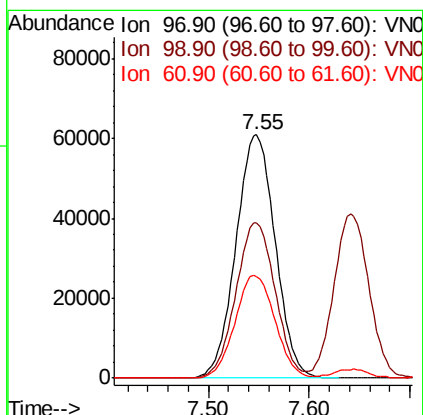
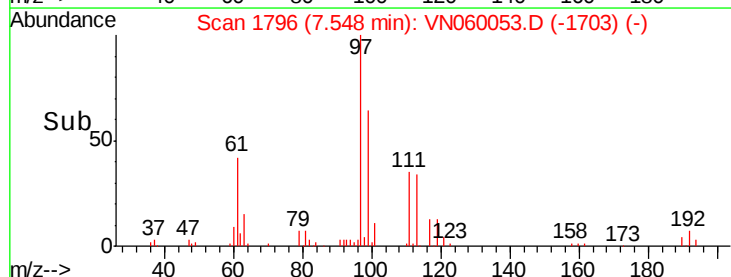


#32
1,1,1-Trichloroethane
Concen: 54.862 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Tgt Ion: 97 Resp: 164576
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.4
61 42.9 38.5 57.7



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

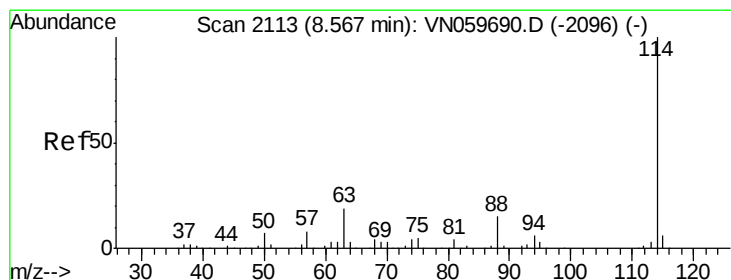
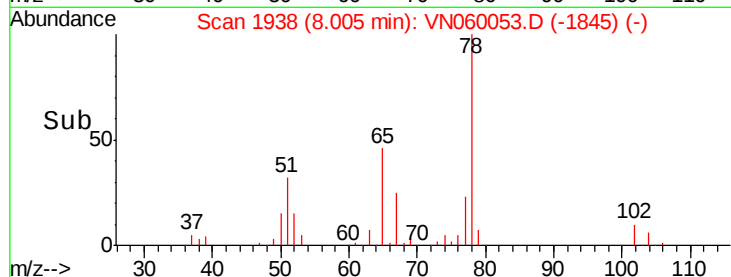
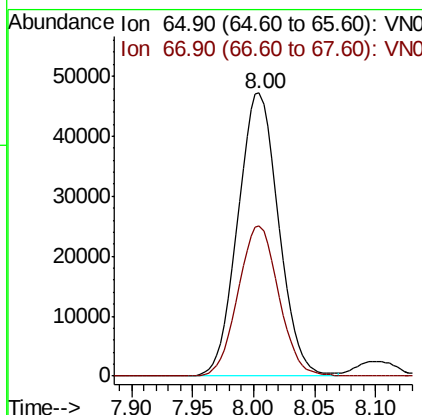
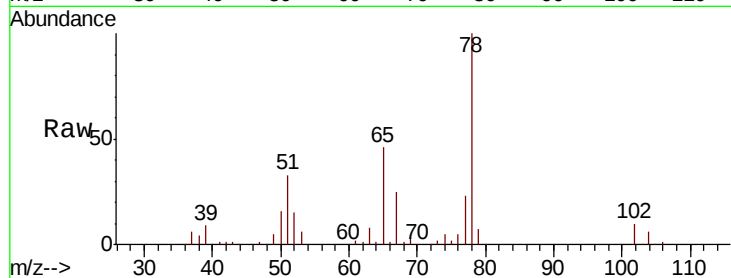




#33
 1,2-Dichloroethane-d4
 Concen: 53.751 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060053.D
 Acq: 11 Feb 2020 9:50

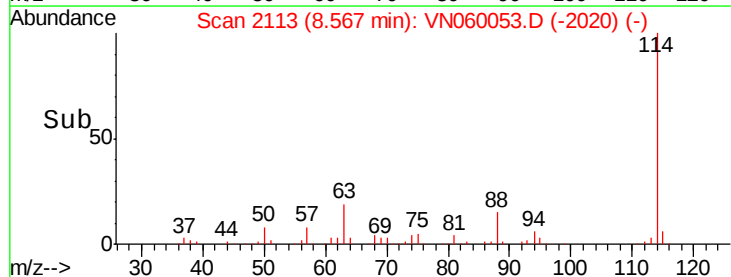
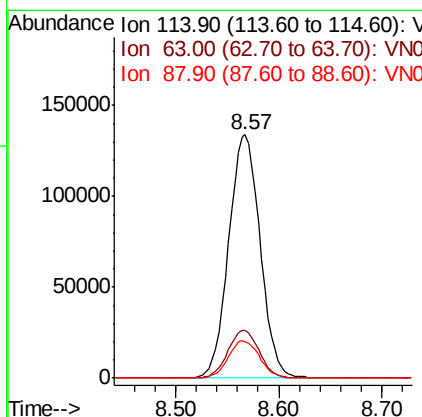
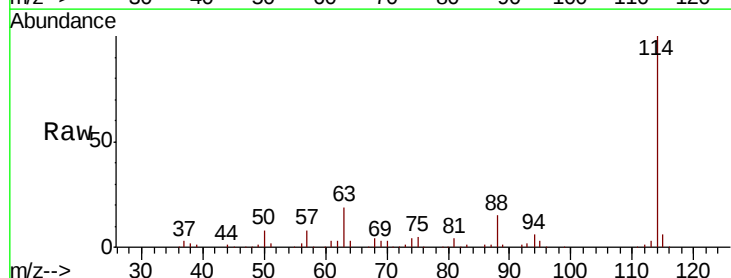
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 65 Resp: 109463
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060053.D
 Acq: 11 Feb 2020 9:50

Tgt Ion: 114 Resp: 284065
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 43.6
 88 15.1 0.0 31.4

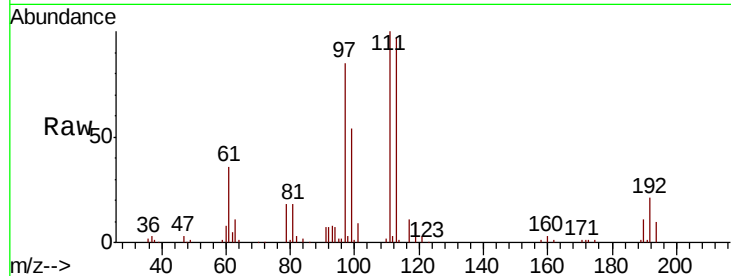




#35
 Dibromofluoromethane
 Concen: 53.633 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060053.D
 Acq: 11 Feb 2020 9:50

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.5	125.3
192	21.2	15.4	23.2

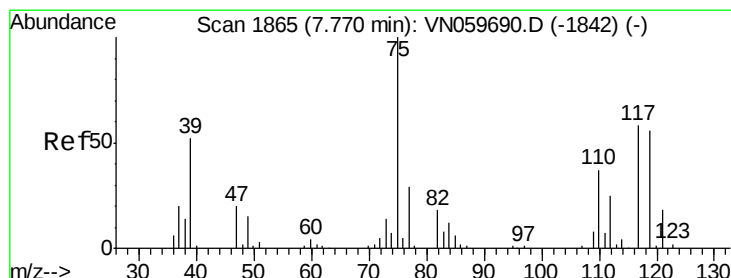
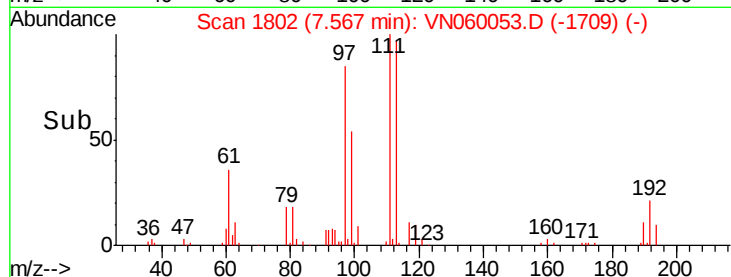
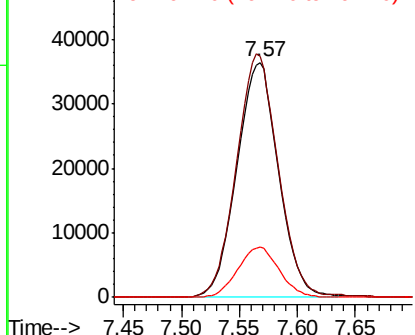


Abundance

Ion 112.80 (112.50 to 113.50): V

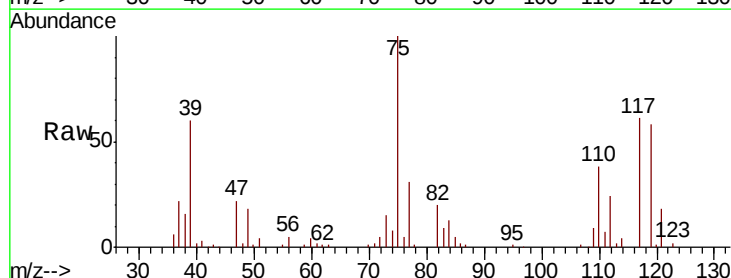
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 51.291 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060053.D
 Acq: 11 Feb 2020 9:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	16.6	49.7
77	31.3	25.1	37.7

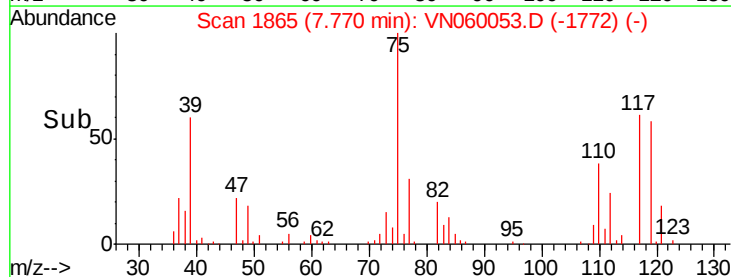
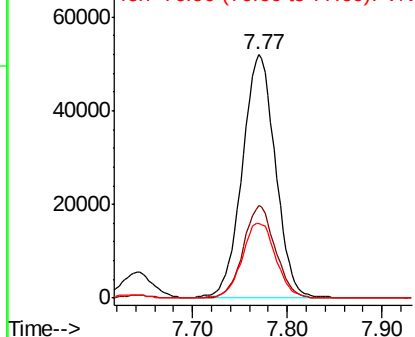


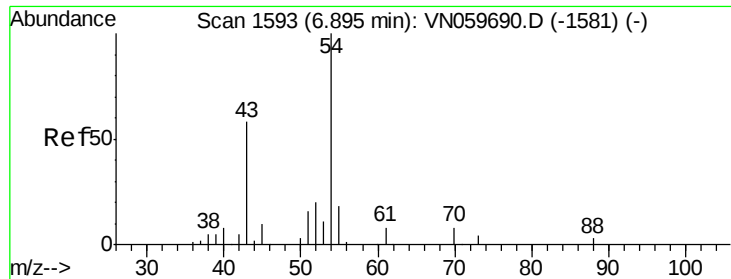
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

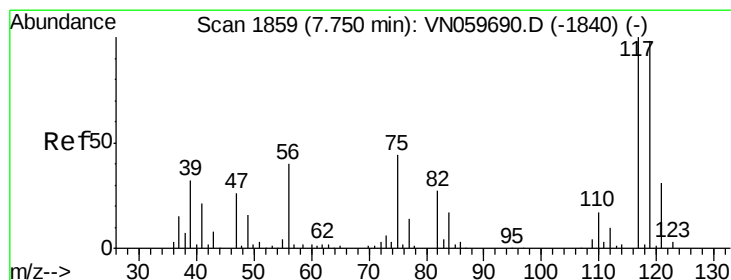
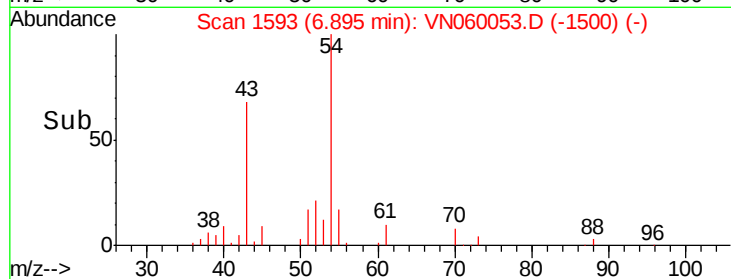
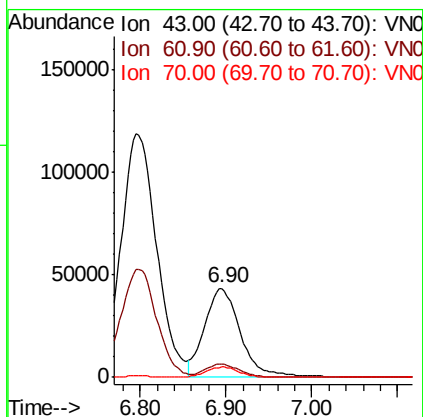
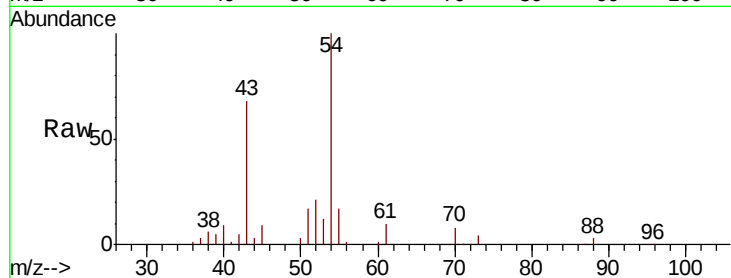




#37
Ethyl Acetate
Concen: 53.604 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

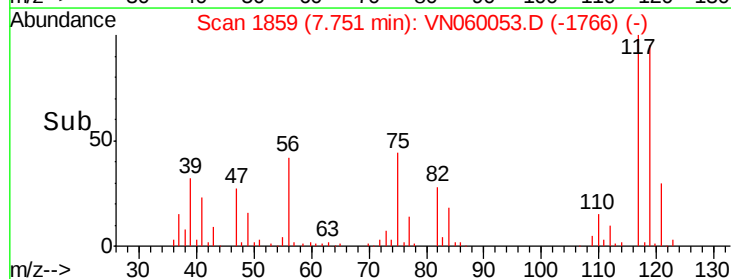
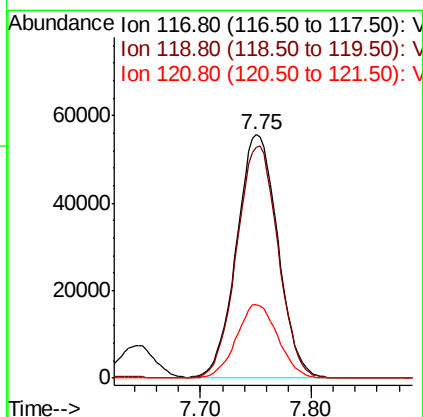
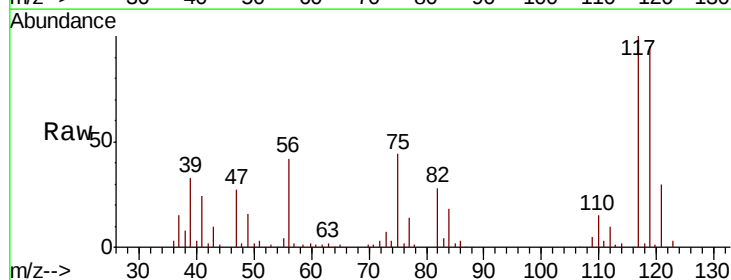
Instrument :
MSVOA_N
ClientSampled :

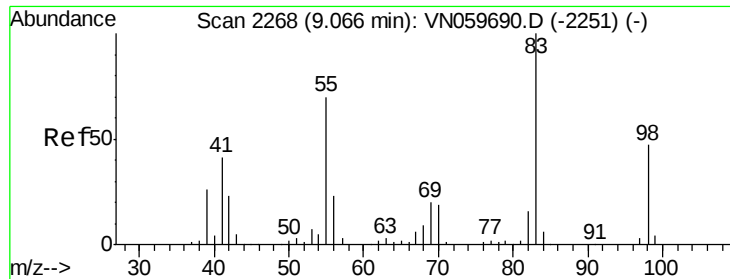
Tot Ion: 43 Resp: 124370
Ion Ratio Lower Upper
43 100
61 14.0 10.9 16.3
70 10.9 7.7 11.5



#38
Carbon Tetrachloride
Concen: 53.674 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Tgt Ion: 117 Resp: 144431
Ion Ratio Lower Upper
117 100
119 95.0 76.5 114.7
121 30.2 25.1 37.7

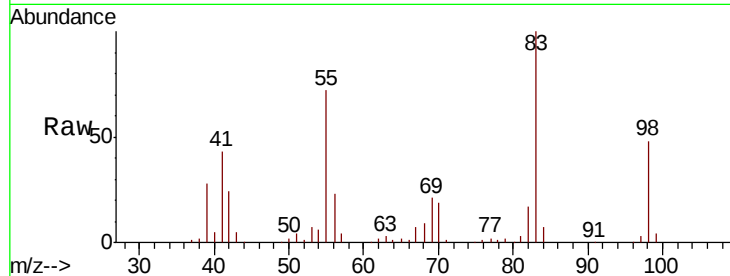




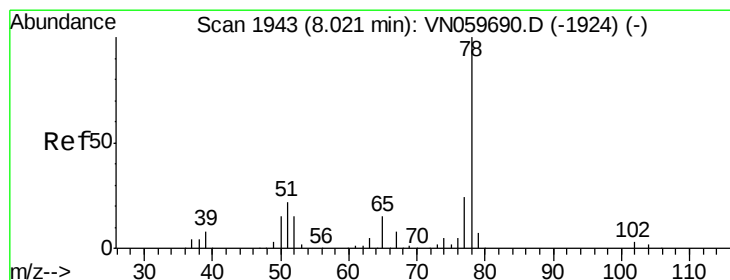
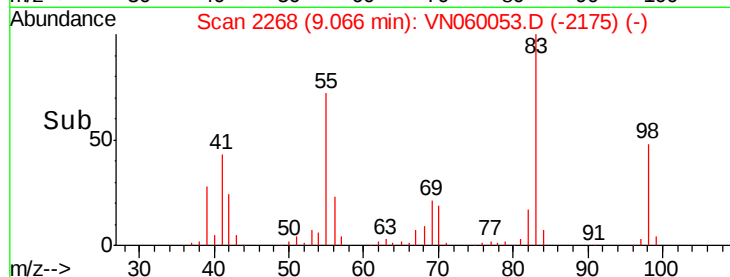
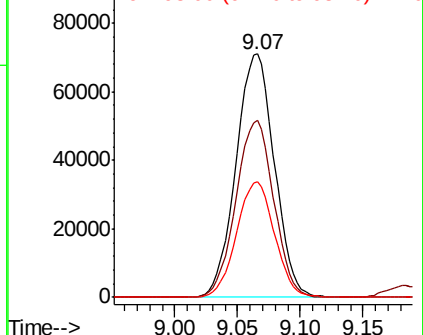
#39
Methvlcvclohexane
Concen: 49.622 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 151357
Ion Ratio Lower Upper
83 100
55 72.5 64.2 96.2
98 47.5 35.9 53.9

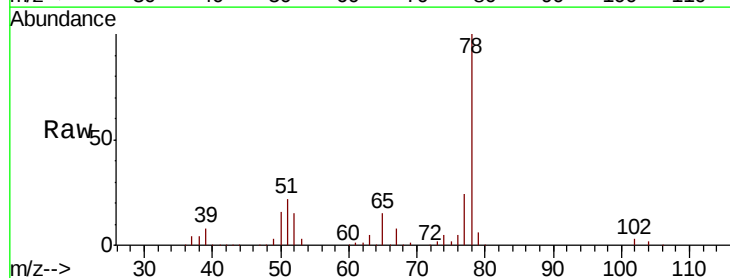


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

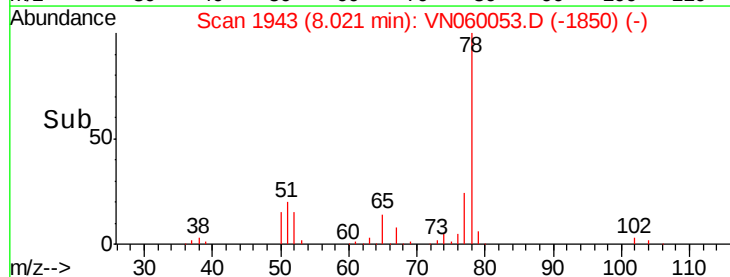
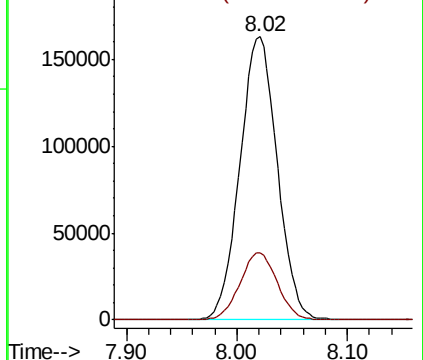


#40
Benzene
Concen: 51.849 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Tgt Ion: 78 Resp: 382520
Ion Ratio Lower Upper
78 100
77 23.8 18.9 28.3



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

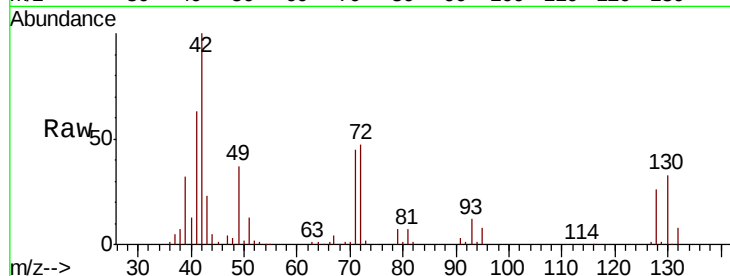




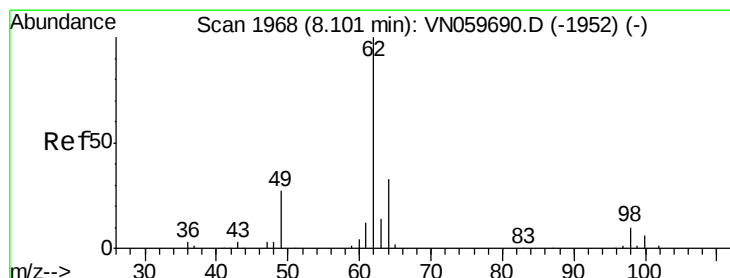
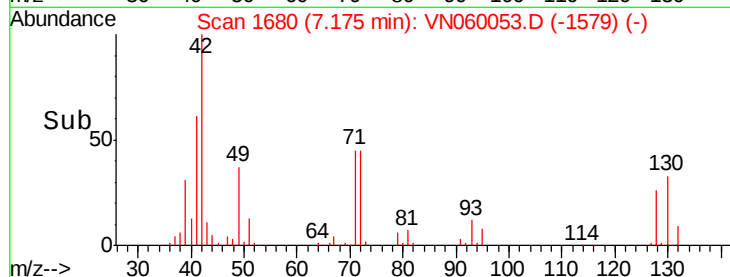
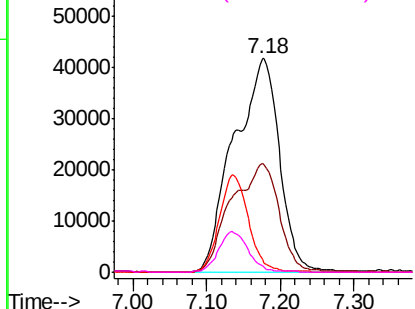
#41
Methacrylonitrile
Concen: 156.550 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	178906
Ion	Ratio	Lower	Upper
41	100		
39	53.2	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

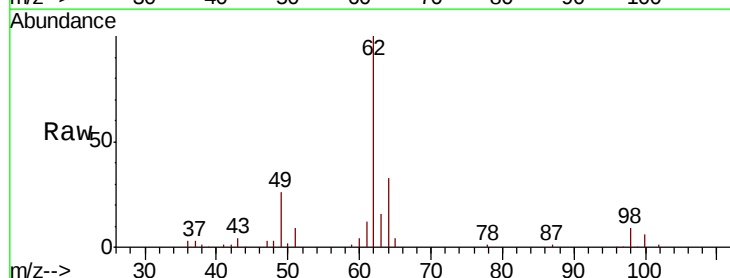


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

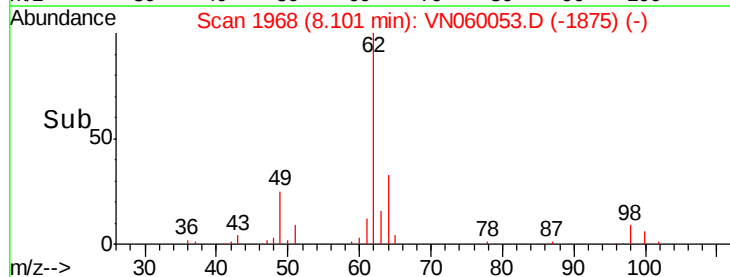
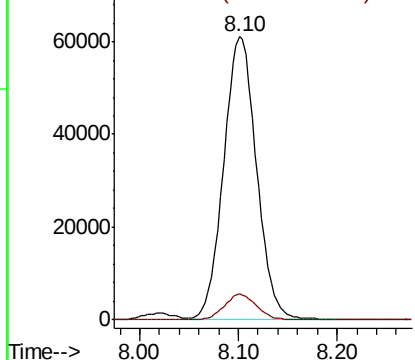


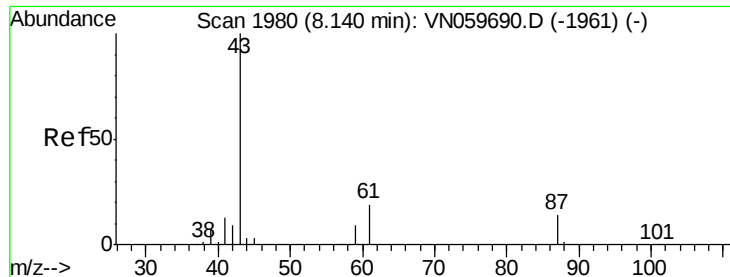
#42
1,2-Dichloroethane
Concen: 57.072 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Tgt Ion:	62	Resp:	142760
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	15.8



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





#43

Isopropyl Acetate

Concen: 55.021 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

Instrument :

MSVOA_N

ClientSampleId :

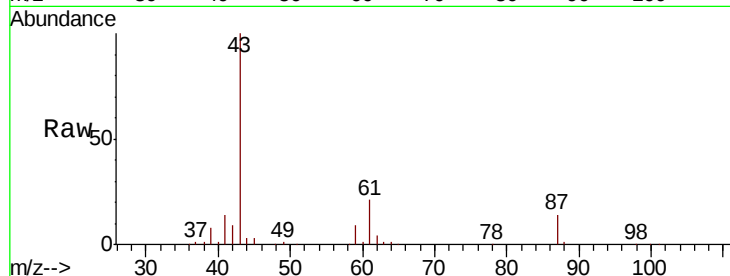
Tot Ion: 43 Resp: 219576

Ion Ratio Lower Upper

43 100

61 27.3 20.2 30.2

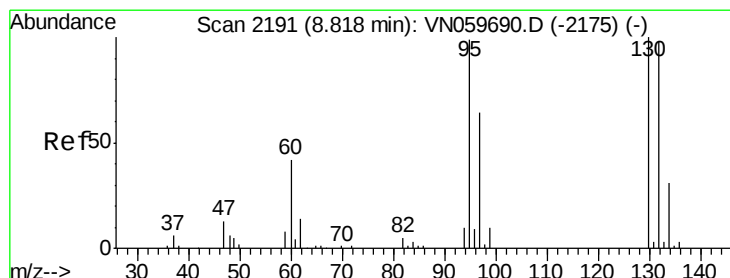
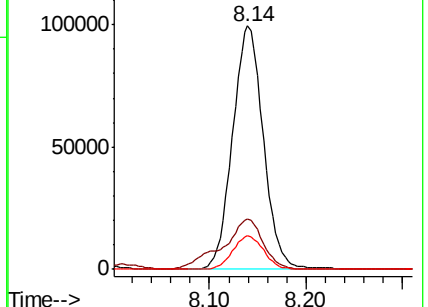
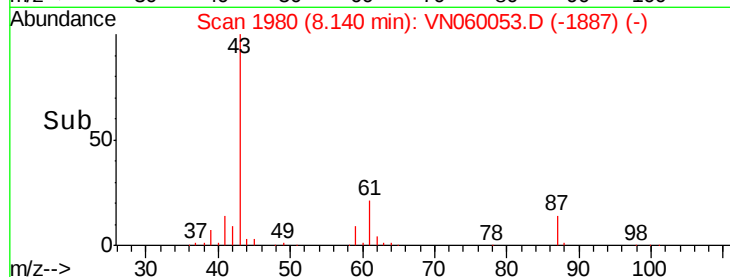
87 13.8 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN060053.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060053.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060053.D (-1887) (-)



#44

Trichloroethene

Concen: 53.783 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060053.D

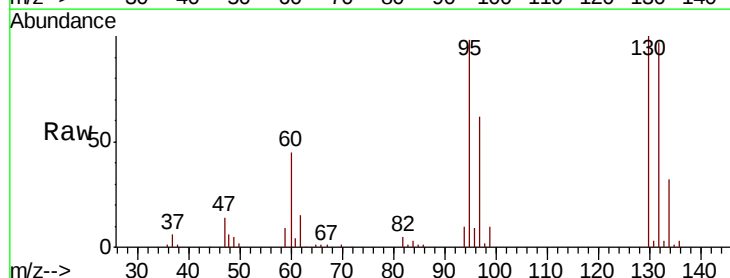
Acq: 11 Feb 2020 9:50

Tgt Ion:130 Resp: 108319

Ion Ratio Lower Upper

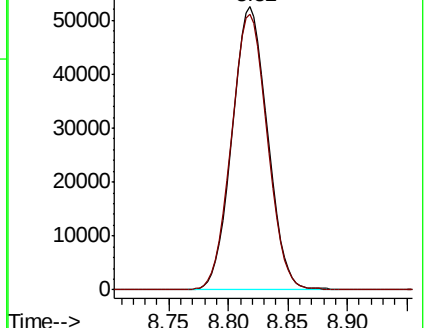
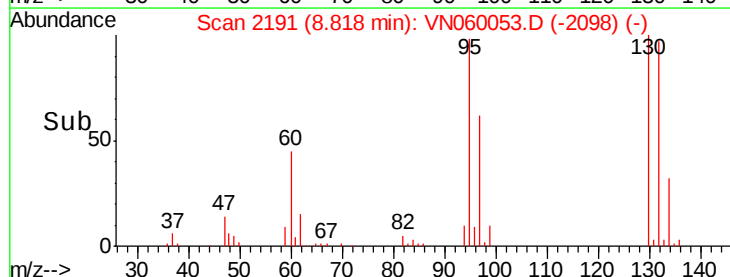
130 100

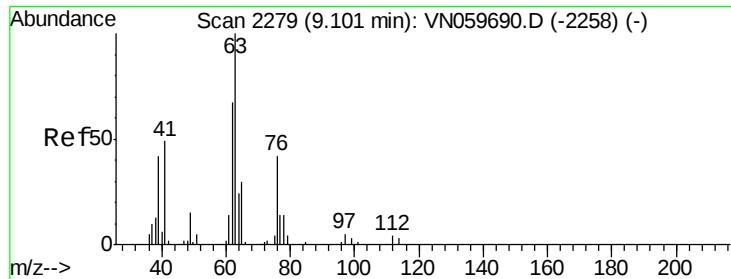
95 97.6 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN060053.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN060053.D (-2098) (-)

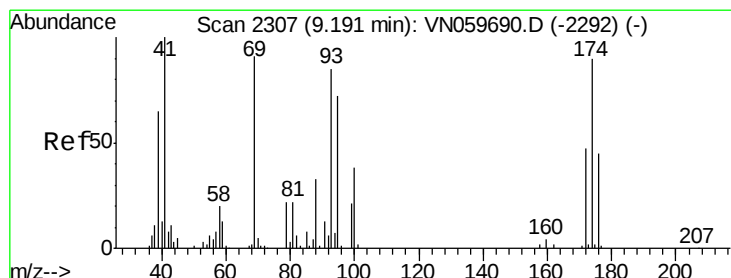
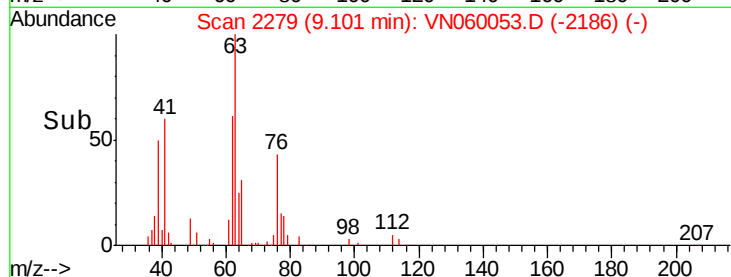
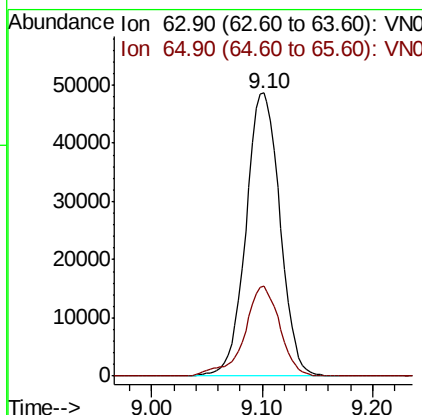
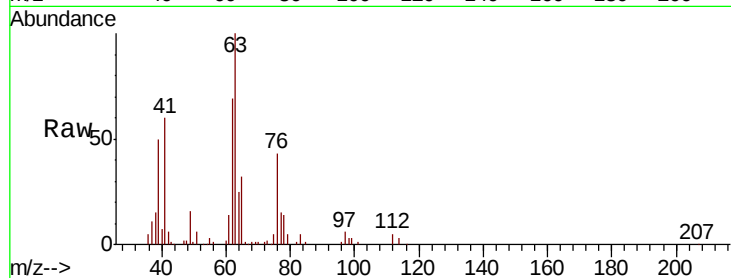




#45
 1,2-Dichloropropane
 Concen: 56.902 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060053.D
 Acq: 11 Feb 2020 9:50

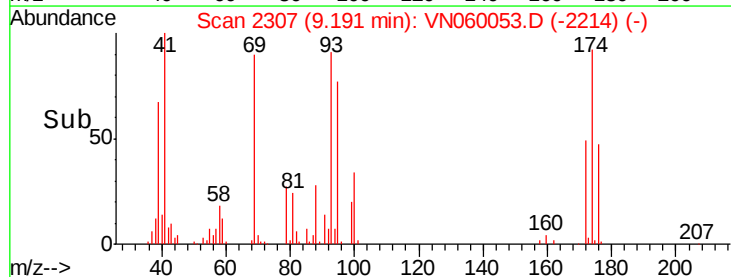
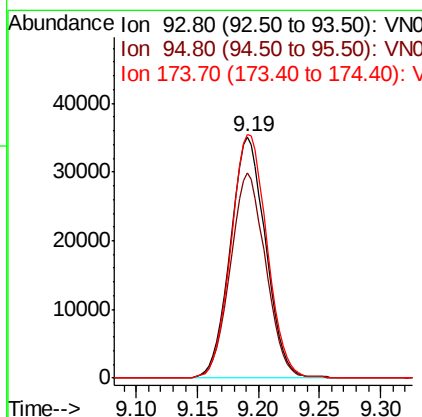
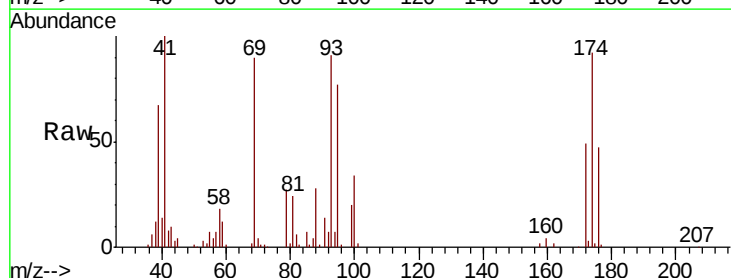
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 63 Resp: 103879
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.9 37.3



#46
 Dibromomethane
 Concen: 54.873 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060053.D
 Acq: 11 Feb 2020 9:50

Tgt Ion: 93 Resp: 70664
 Ion Ratio Lower Upper
 93 100
 95 85.0 67.0 100.6
 174 102.7 73.4 110.2

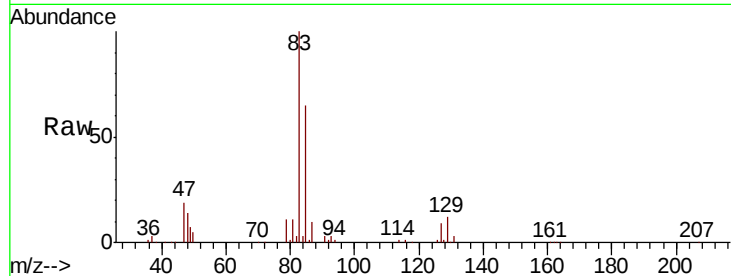




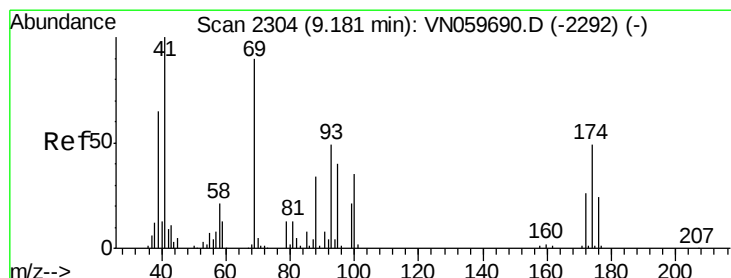
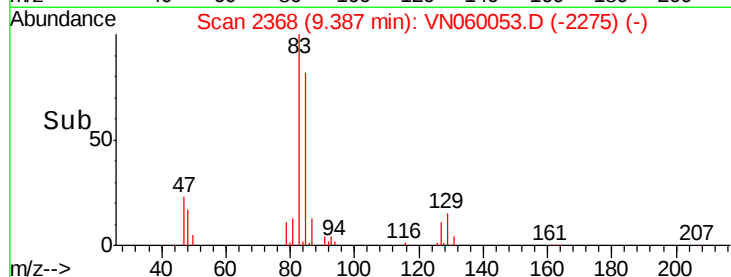
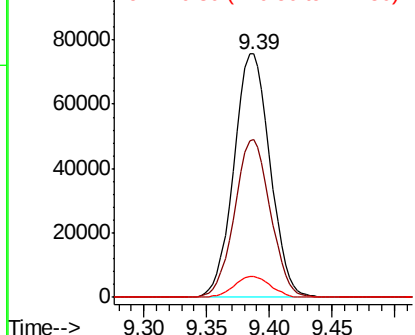
#47
Bromodichloromethane
Concen: 58.467 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 151728
Ion Ratio Lower Upper
83 100
85 64.8 51.1 76.7
127 8.7 6.6 9.8

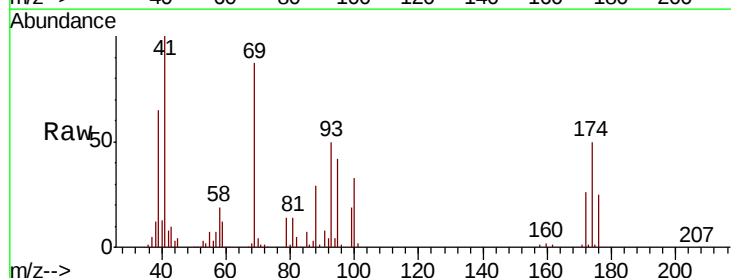


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

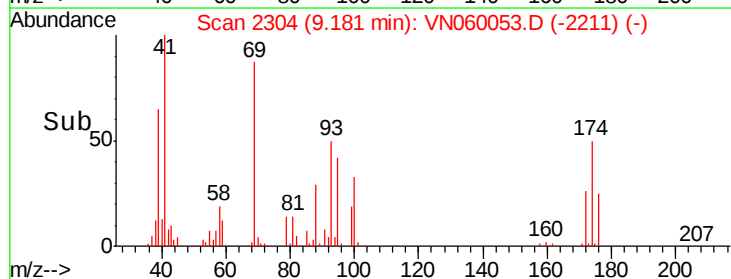
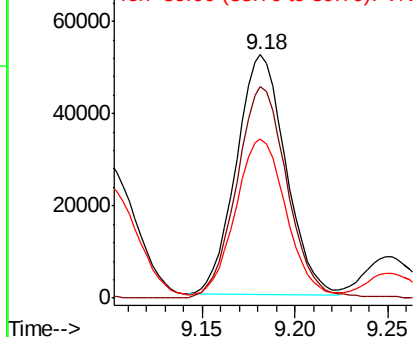


#48
Methyl methacrylate
Concen: 54.374 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Tgt Ion: 41 Resp: 97060
Ion Ratio Lower Upper
41 100
69 90.0 64.4 96.6
39 68.5 51.3 76.9



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





#49

1,4-Dioxane

Concen: 984.210 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

Instrument :
MSVOA_N
ClientSampleId :

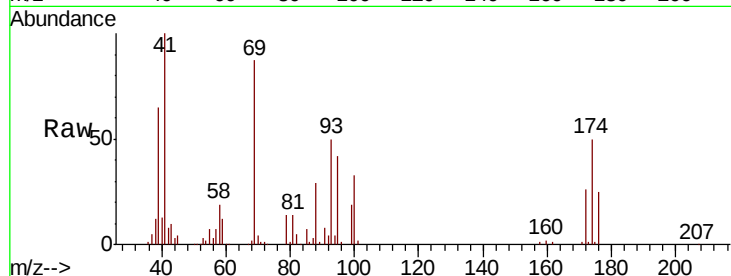
Tot Ion: 88 Resp: 32162

Ion Ratio Lower Upper

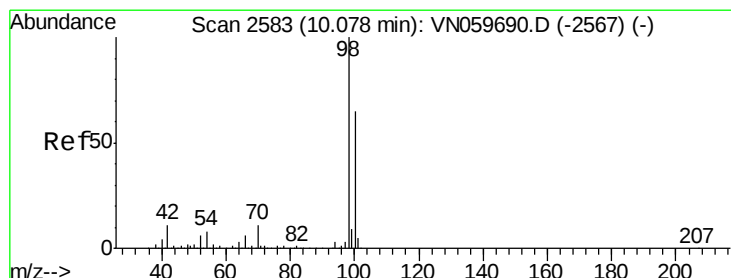
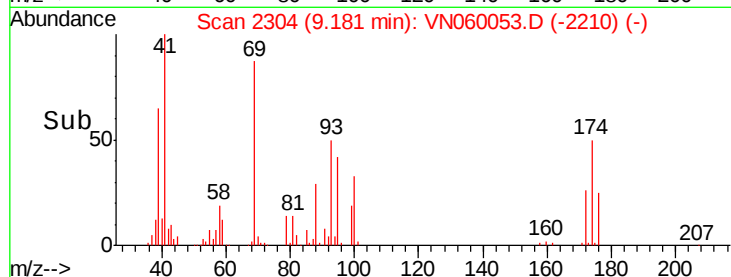
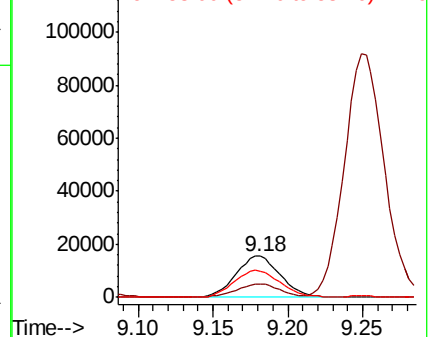
88 100

43 32.3 29.7 44.5

58 67.1 56.6 85.0



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 52.264 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060053.D

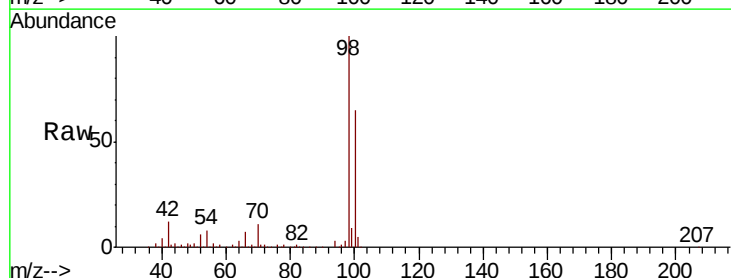
Acq: 11 Feb 2020 9:50

Tgt Ion: 98 Resp: 343032

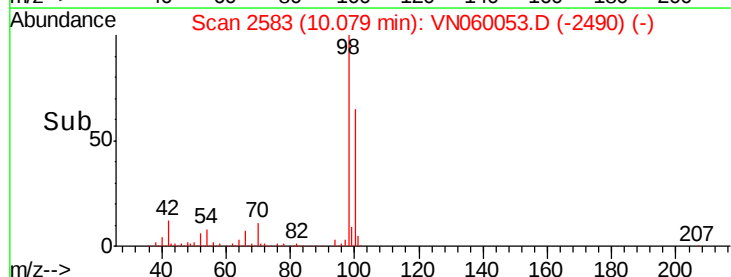
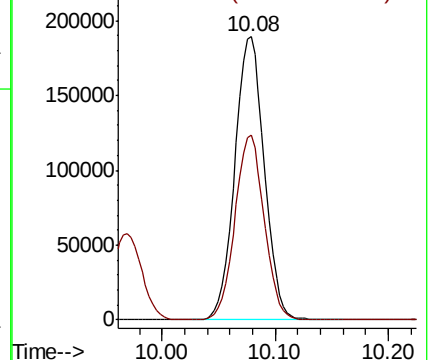
Ion Ratio Lower Upper

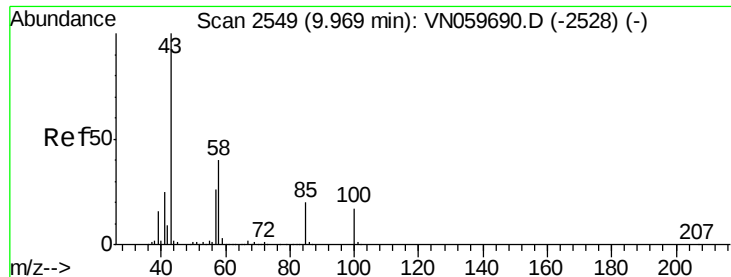
98 100

100 64.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

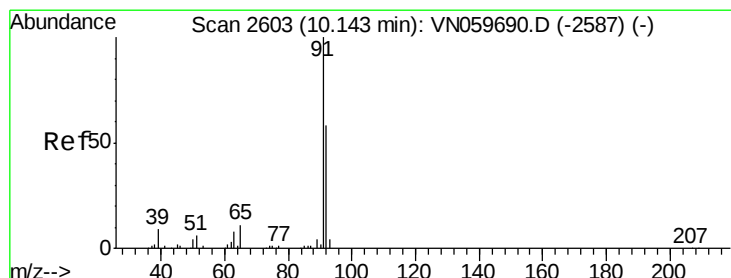
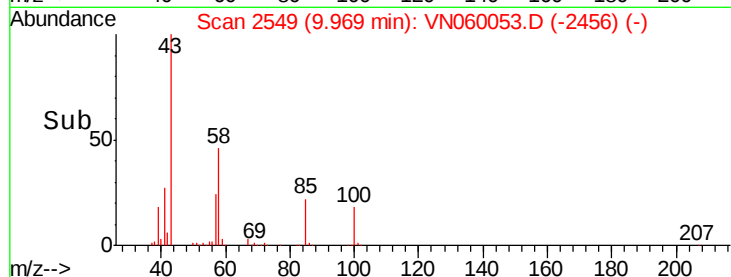
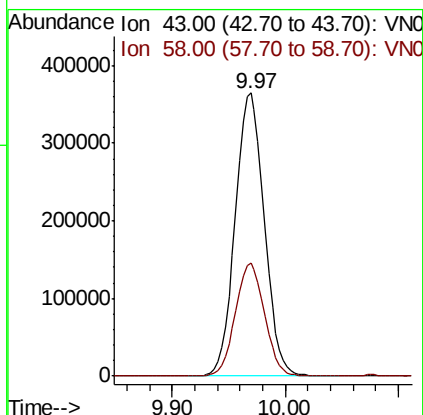
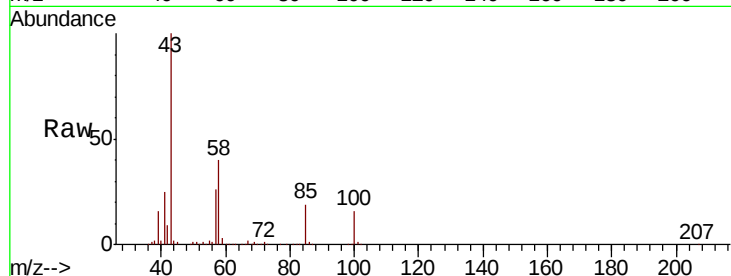




#51
4-Methyl-2-Pentanone
Concen: 283.538 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

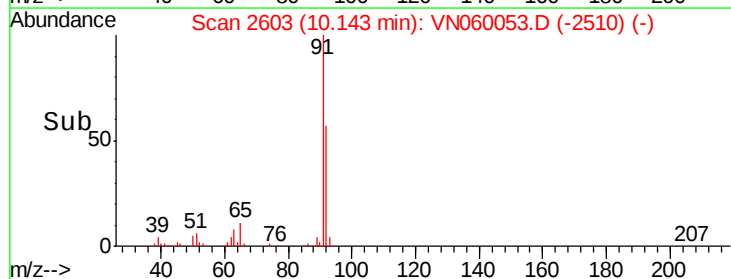
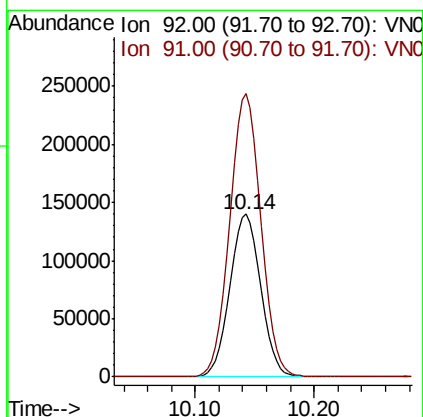
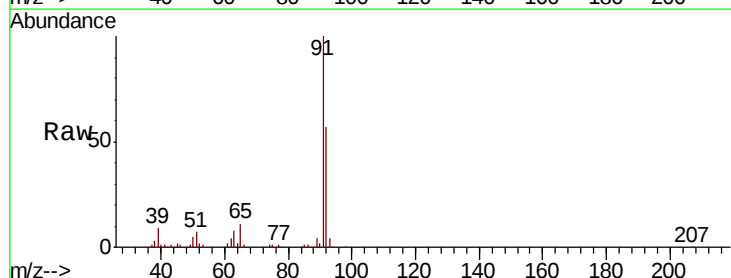
Instrument :
MSVOA_N
ClientSampled :

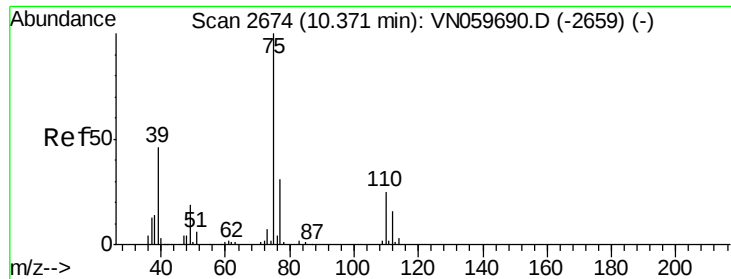
Tot Ion: 43 Resp: 654104
Ion Ratio Lower Upper
43 100
58 39.9 29.8 44.8



#52
Toluene
Concen: 54.077 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Tgt Ion: 92 Resp: 251999
Ion Ratio Lower Upper
92 100
91 175.3 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 58.843 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

Instrument :

MSVOA_N

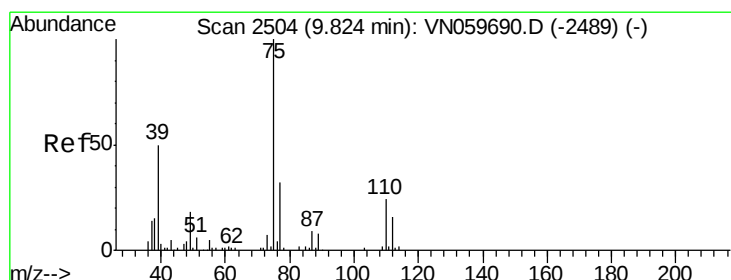
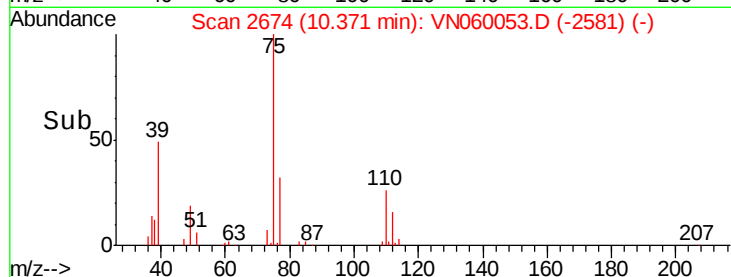
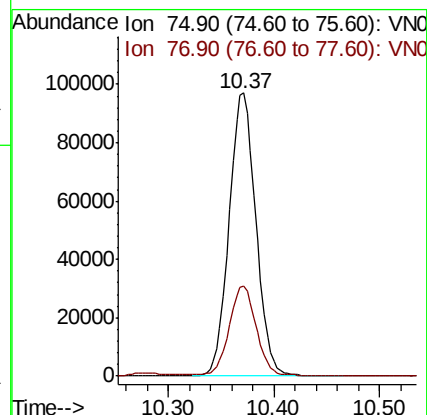
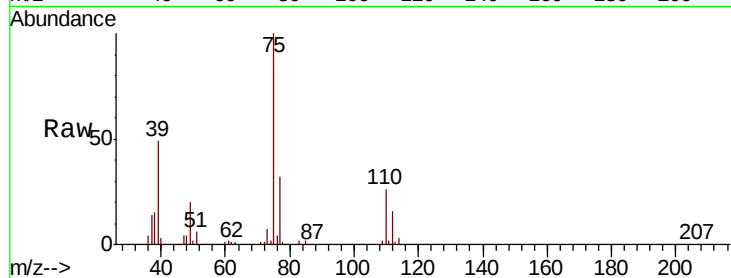
ClientSampled :

Tot Ion: 75 Resp: 170505

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 57.842 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

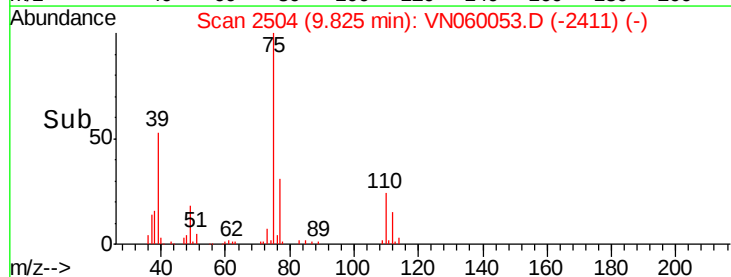
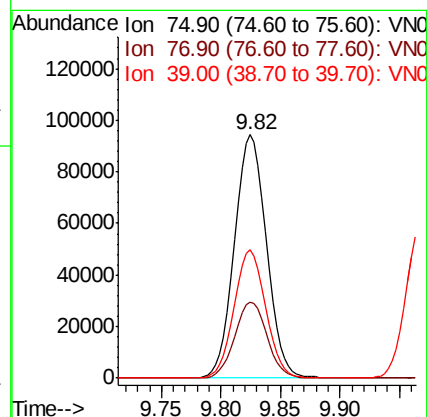
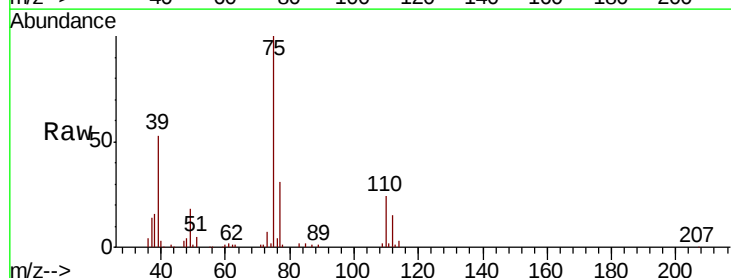
Tgt Ion: 75 Resp: 176352

Ion Ratio Lower Upper

75 100

77 31.1 25.1 37.7

39 52.6 46.1 69.1

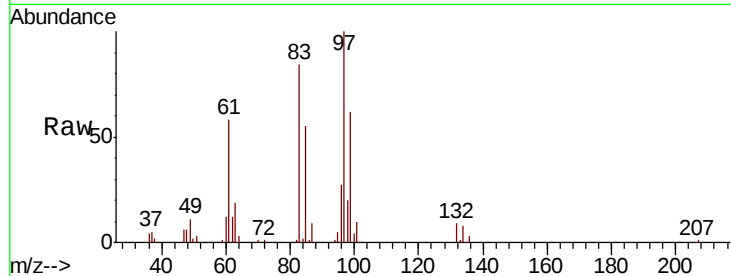




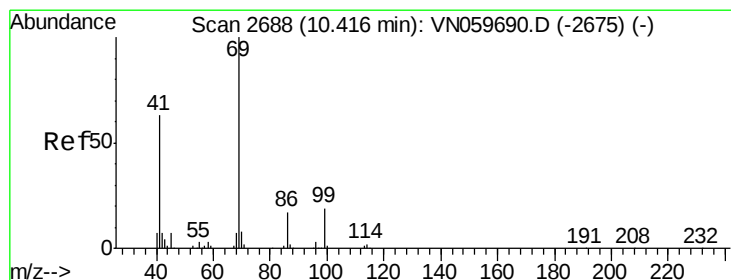
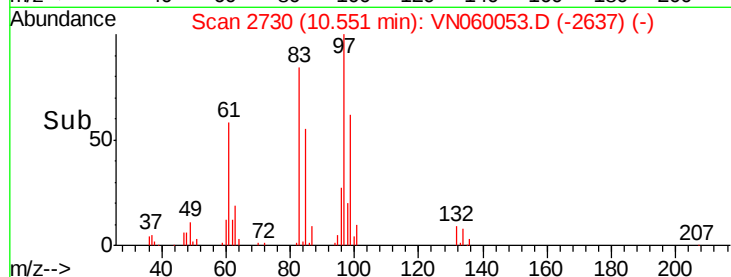
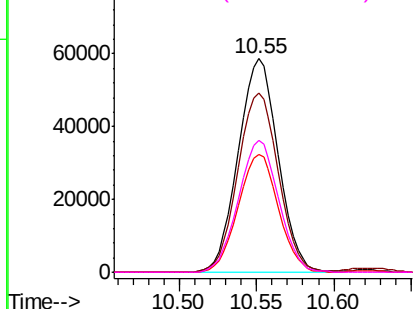
#55
 1,1,2-Trichloroethane
 Concen: 57.280 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060053.D
 Acq: 11 Feb 2020 9:50

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	105719
Ion	Ratio	Lower	Upper
97	100		
83	83.7	71.3	106.9
85	55.4	45.8	68.8
99	62.0	50.0	75.0

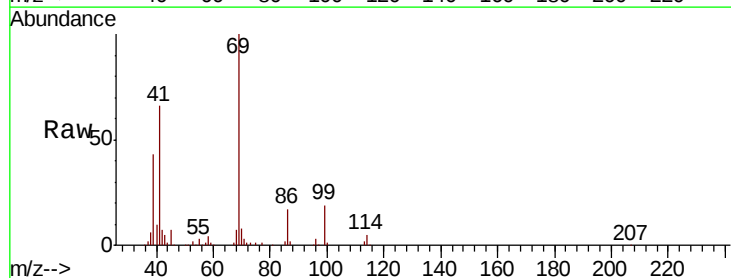


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

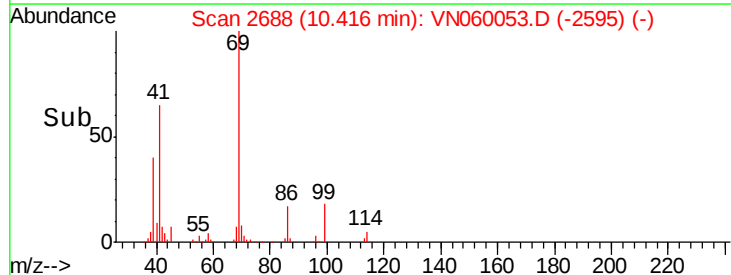
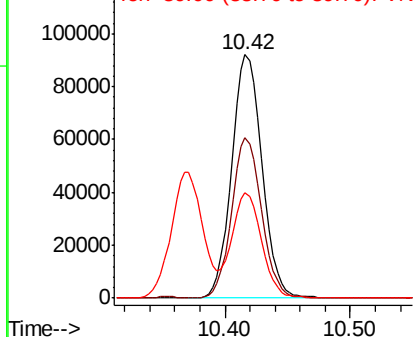


#56
 Ethyl methacrylate
 Concen: 54.937 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060053.D
 Acq: 11 Feb 2020 9:50

Tgt Ion:	69	Resp:	154931
Ion	Ratio	Lower	Upper
69	100		
41	64.2	57.1	85.7
39	42.7	34.7	52.1



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 58.548 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

Instrument :

MSVOA_N

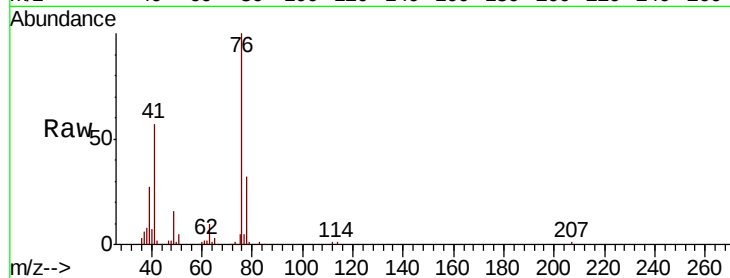
ClientSampled :

Tot Ion: 76 Resp: 171555

Ion Ratio Lower Upper

76 100

78 31.7 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN060053.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060053.D (-2682) (-)

10.70

100000

80000

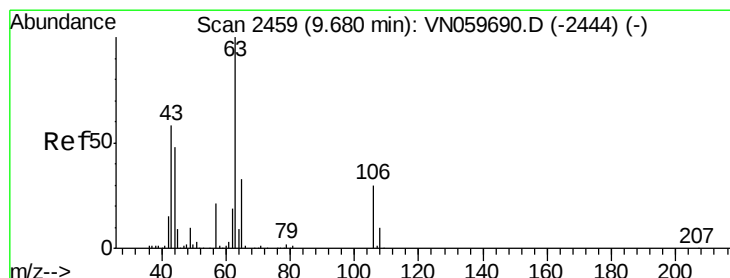
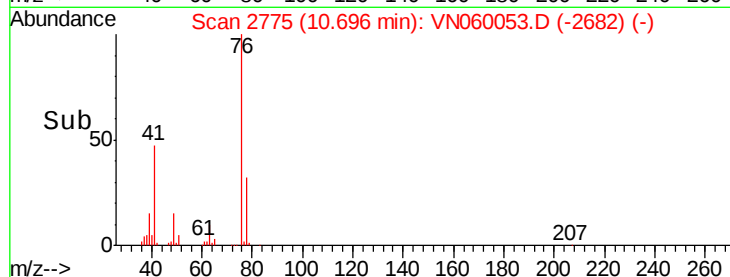
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 229.570 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060053.D

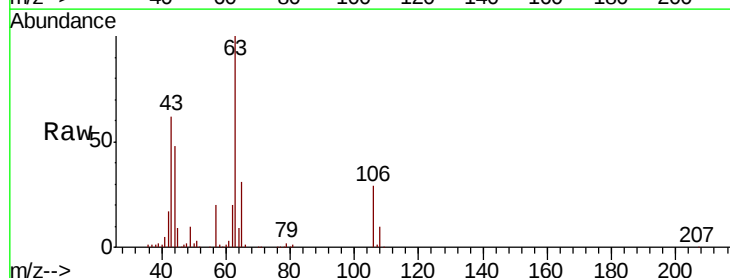
Acq: 11 Feb 2020 9:50

Tgt Ion: 63 Resp: 195005

Ion Ratio Lower Upper

63 100

106 28.9 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN060053.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060053.D (-2366) (-)

9.68

120000

100000

80000

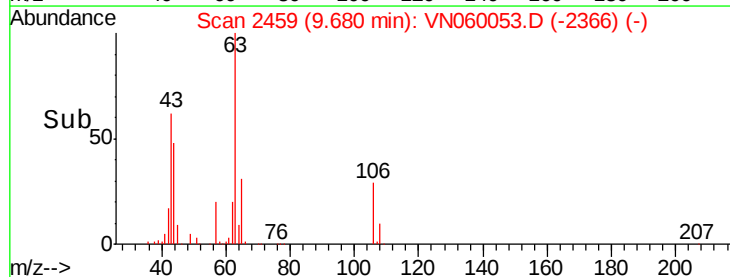
60000

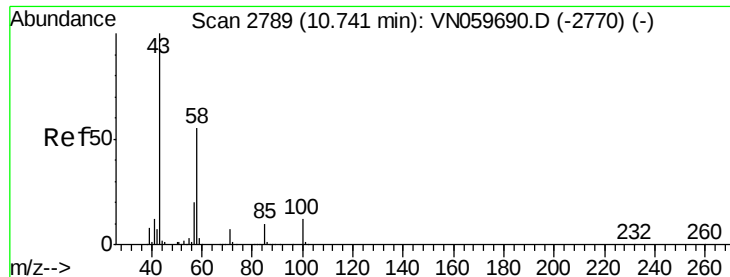
40000

20000

0

Time--> 9.60 9.65 9.70 9.75

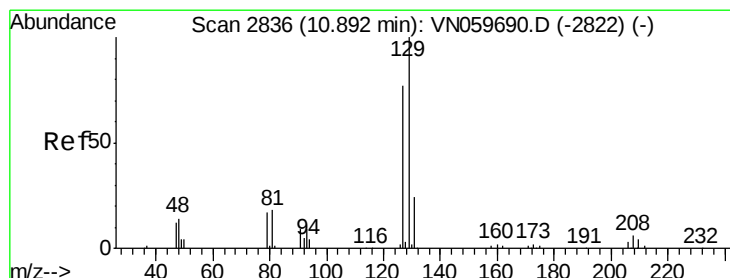
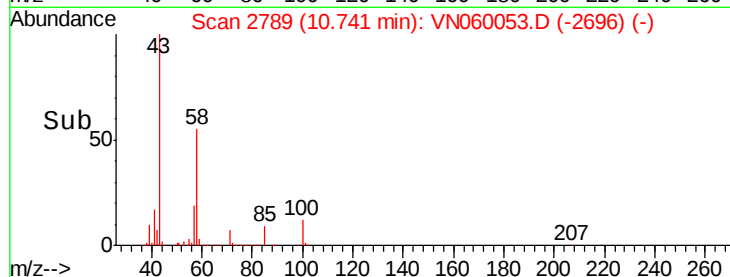
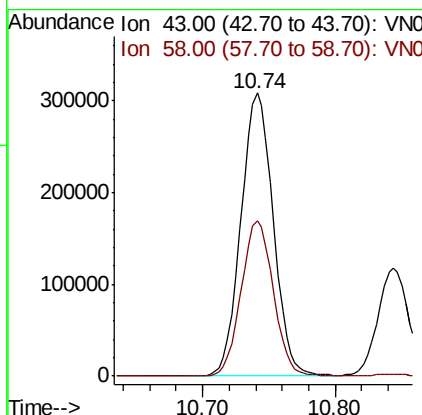
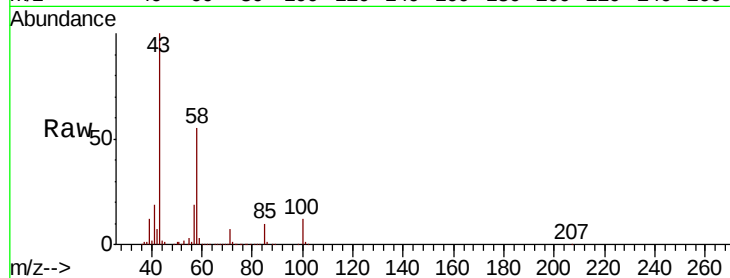




#59
2-Hexanone
Concen: 306.893 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

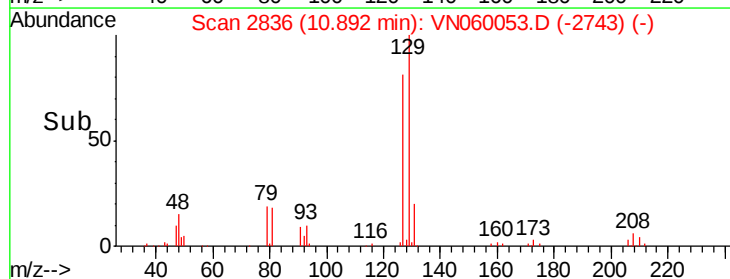
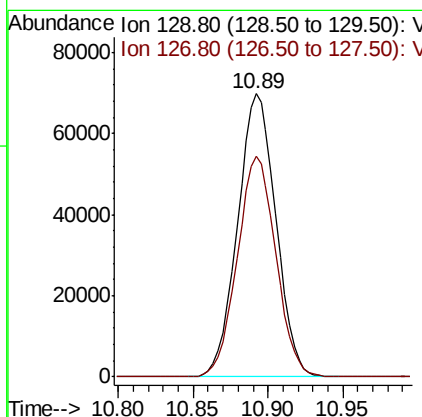
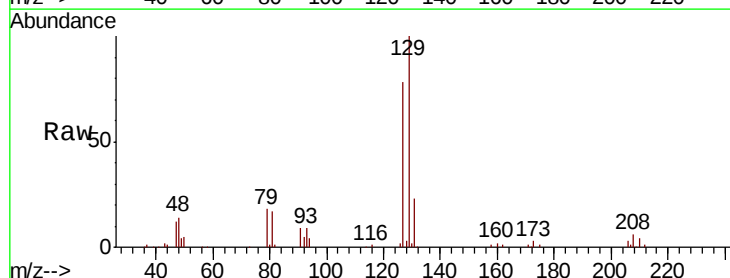
Instrument :
MSVOA_N
ClientSampleId :

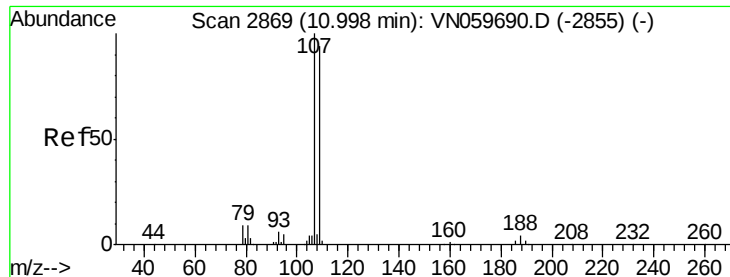
Tot Ion: 43 Resp: 521574
Ion Ratio Lower Upper
43 100
58 54.8 25.8 77.3



#60
Dibromochloromethane
Concen: 59.093 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Tgt Ion: 129 Resp: 124199
Ion Ratio Lower Upper
129 100
127 78.4 38.5 115.5

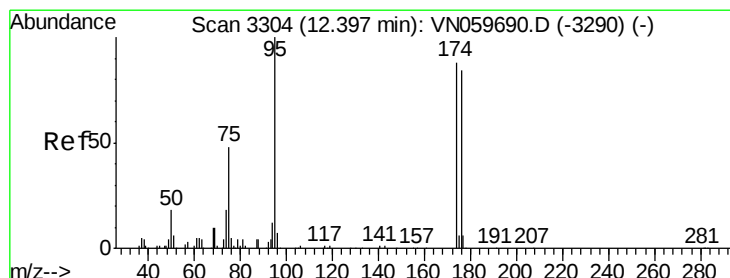
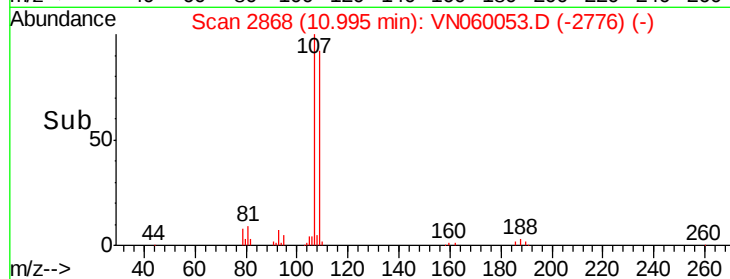
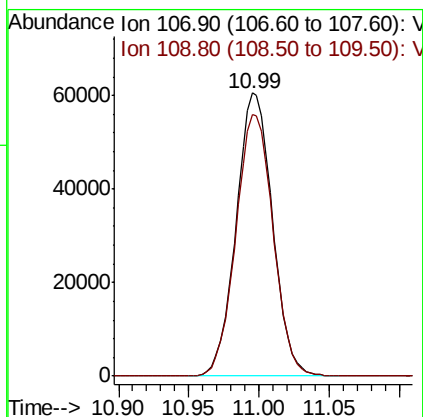
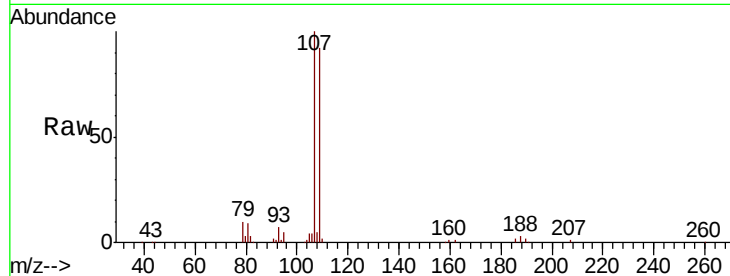




#61
 1,2-Dibromoethane
 Concen: 56.486 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060053.D
 Acq: 11 Feb 2020 9:50

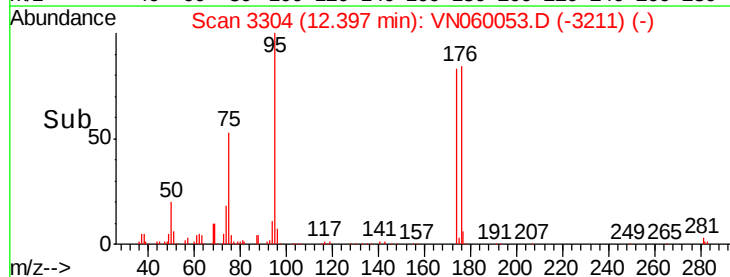
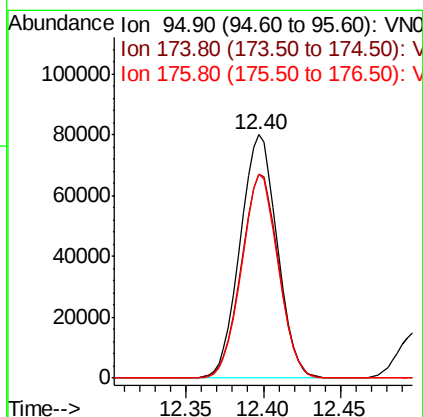
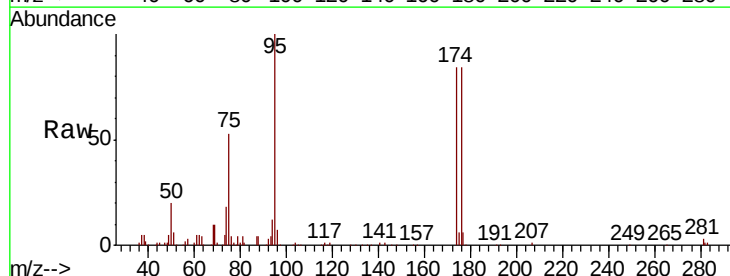
Instrument :
 MSVOA_N
 ClientSampleId :

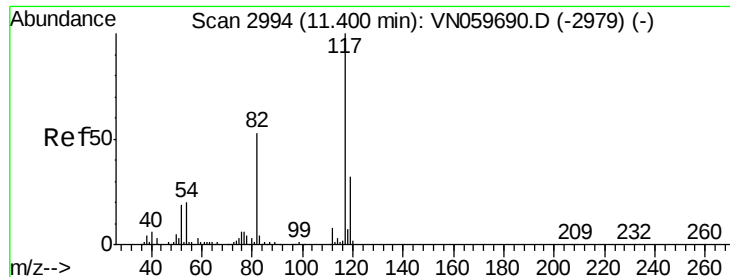
Tot Ion:107 Resp: 109270
 Ion Ratio Lower Upper
 107 100
 109 94.8 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 56.398 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060053.D
 Acq: 11 Feb 2020 9:50

Tgt Ion: 95 Resp: 133443
 Ion Ratio Lower Upper
 95 100
 174 84.4 0.0 151.4
 176 82.6 0.0 146.0

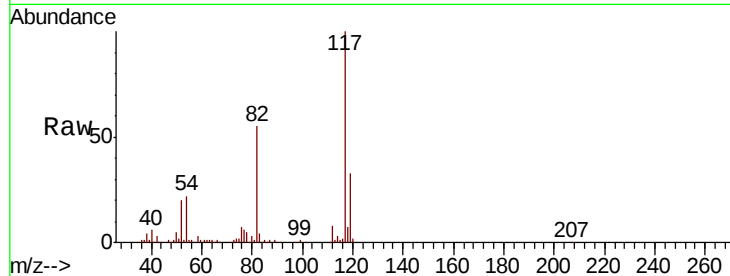




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	45.9	68.9
119	32.8	25.5	38.3

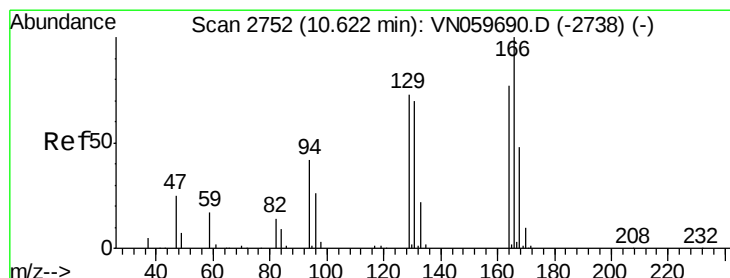
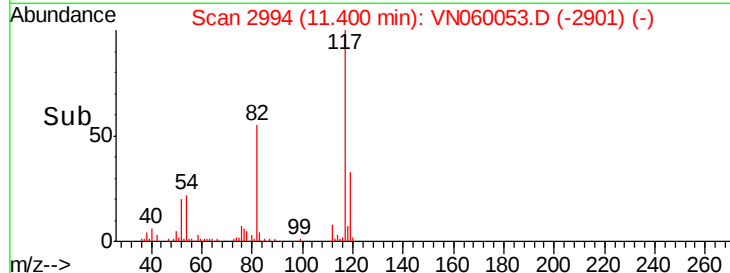
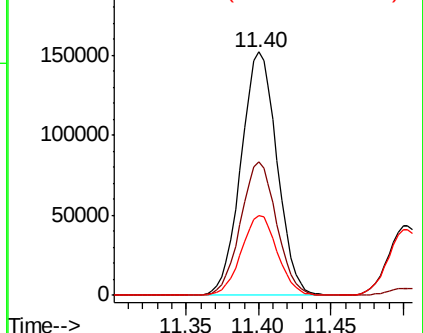


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 49.908 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	101.4	152.0
129	92.9	80.2	120.4
131	89.5	75.0	112.4

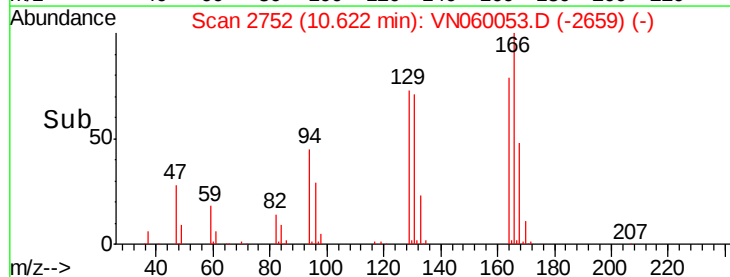
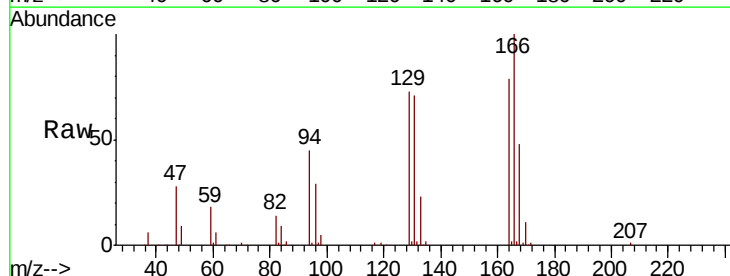
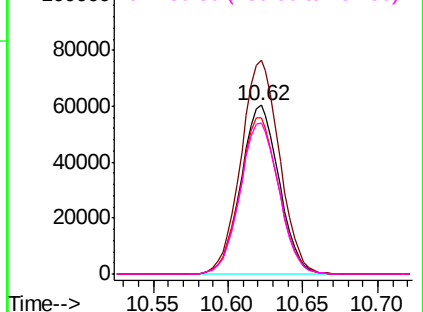
Abundance

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

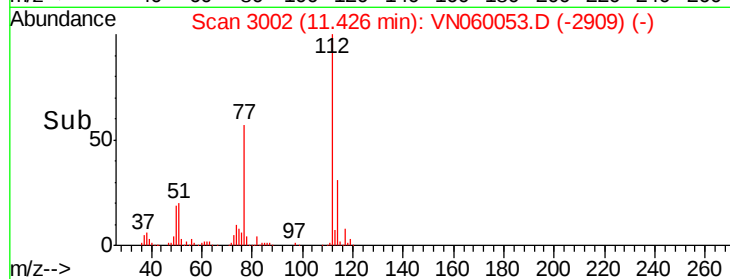
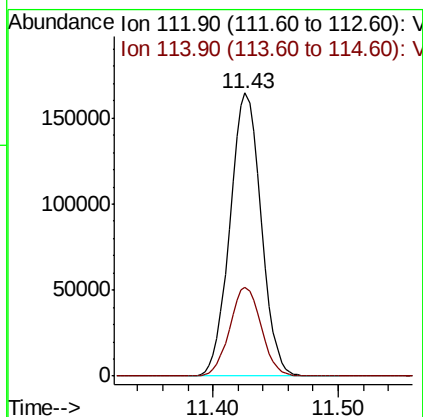
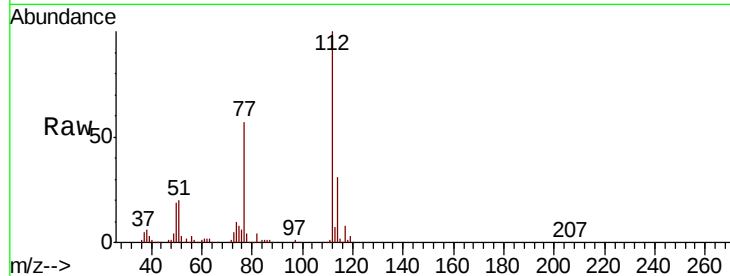




#65
Chlorobenzene
Concen: 54.792 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

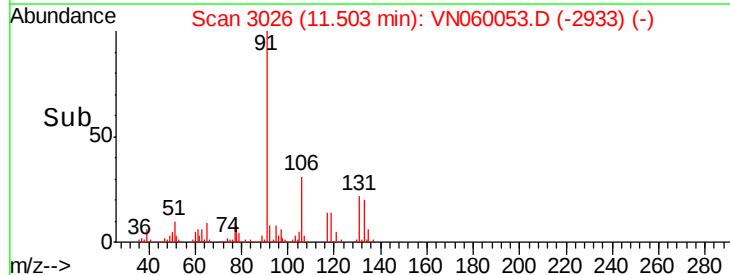
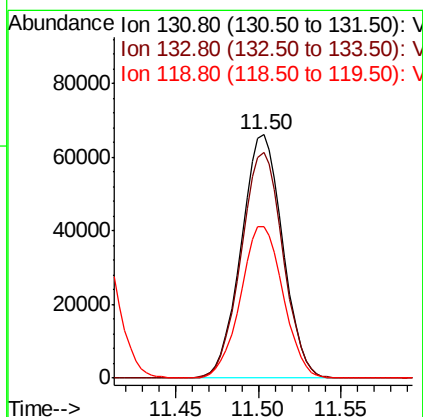
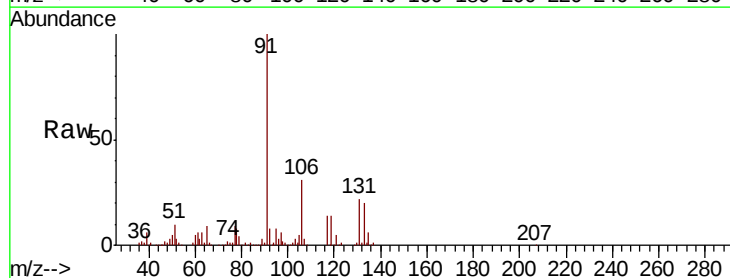
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:112 Resp: 283628
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 57.514 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Tgt Ion:131 Resp: 115037
Ion Ratio Lower Upper
131 100
133 93.8 47.4 142.2
119 63.8 33.1 99.3





#67

Ethyl Benzene

Concen: 54.089 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

Instrument :

MSVOA_N

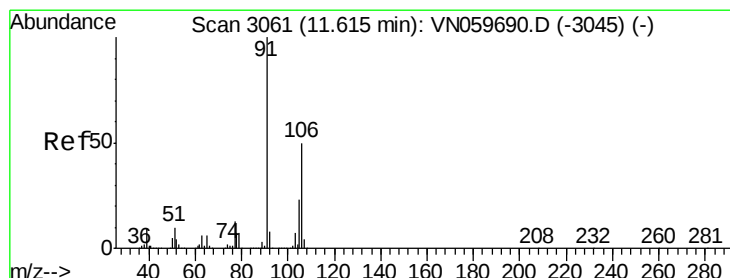
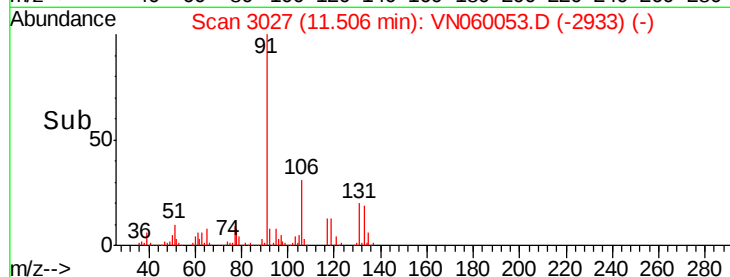
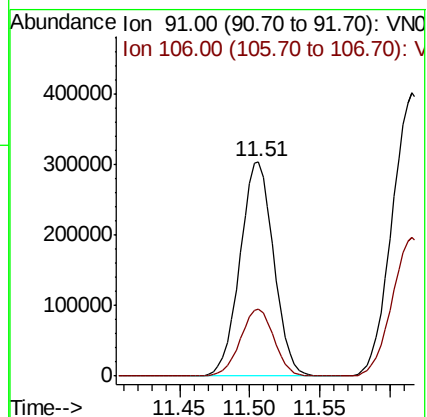
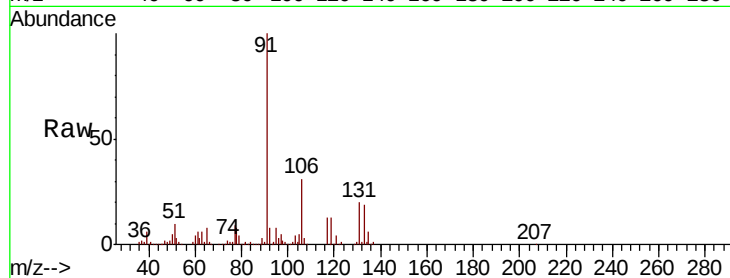
ClientSampled :

Tot Ion: 91 Resp: 508265

Ion Ratio Lower Upper

91 100

106 31.4 24.1 36.1



#68

m/p-Xylenes

Concen: 107.437 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060053.D

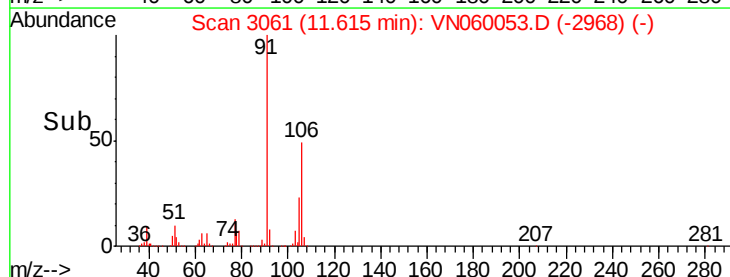
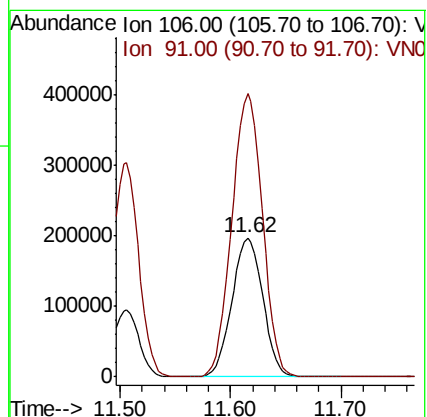
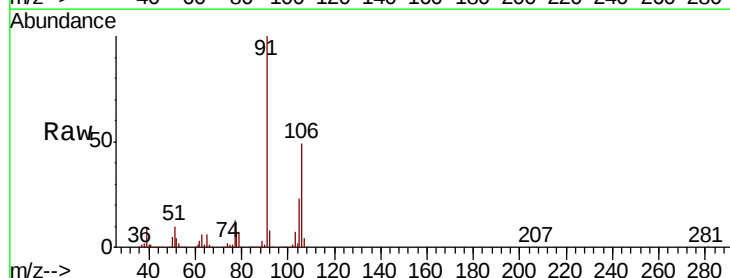
Acq: 11 Feb 2020 9:50

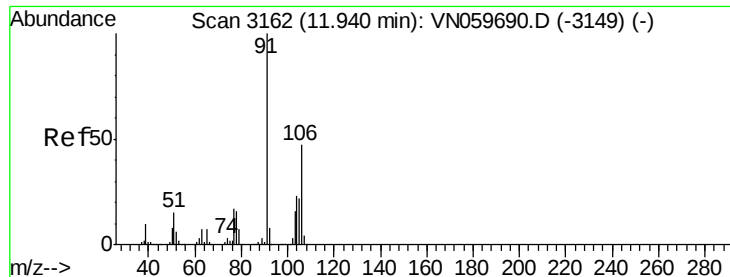
Tgt Ion: 106 Resp: 381356

Ion Ratio Lower Upper

106 100

91 202.7 167.9 251.9

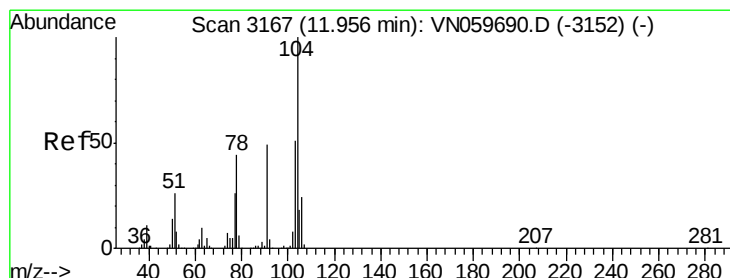
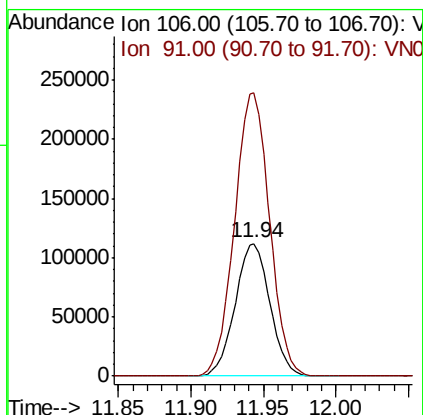
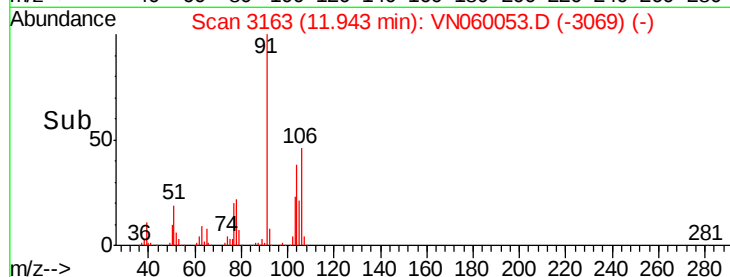
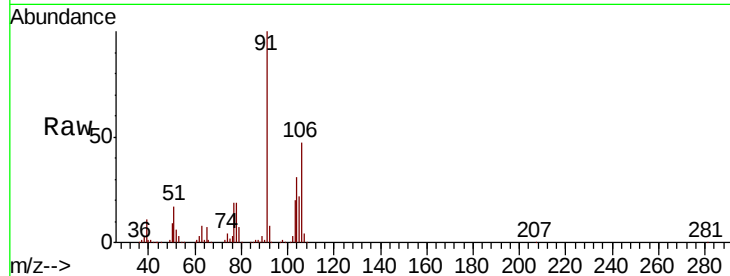




#69
o-Xylene
Concen: 53.594 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

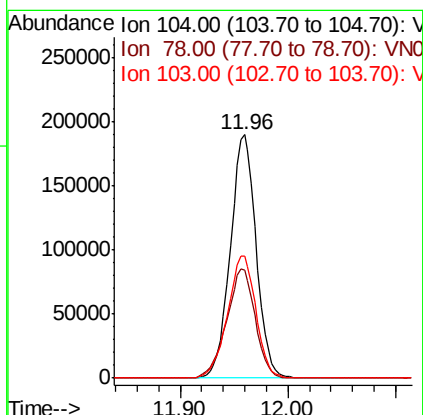
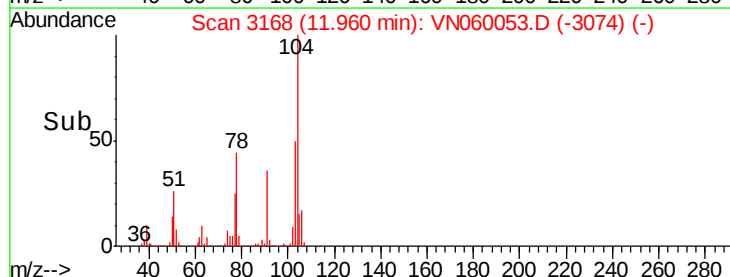
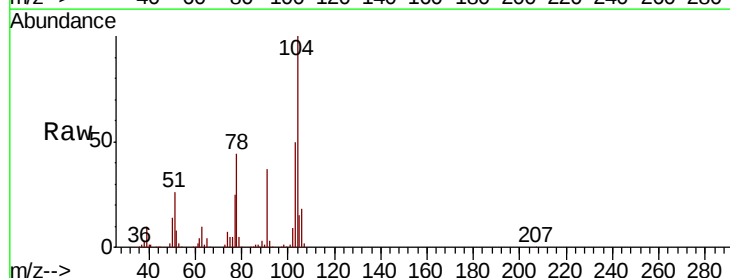
Instrument :
MSVOA_N
ClientSampled :

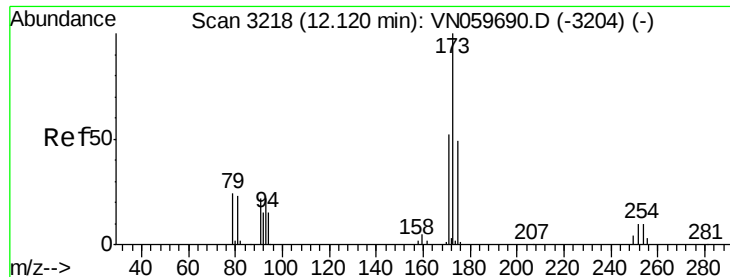
Tot Ion:106 Resp: 186243
Ion Ratio Lower Upper
106 100
91 215.3 110.3 330.9



#70
Styrene
Concen: 54.511 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Tgt Ion:104 Resp: 316978
Ion Ratio Lower Upper
104 100
78 49.7 42.4 63.6
103 55.2 43.9 65.9





#71

Bromoform

Concen: 59.533 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

Instrument :

MSVOA_N

ClientSampleId :

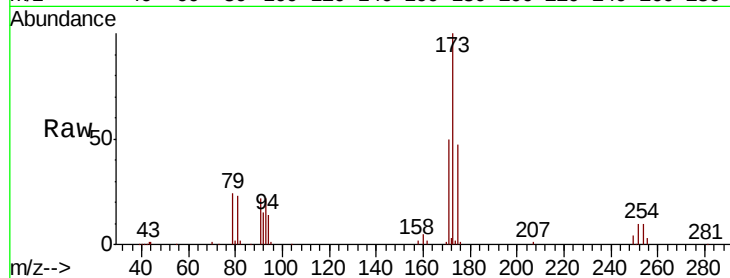
Tot Ion:173 Resp: 95381

Ion Ratio Lower Upper

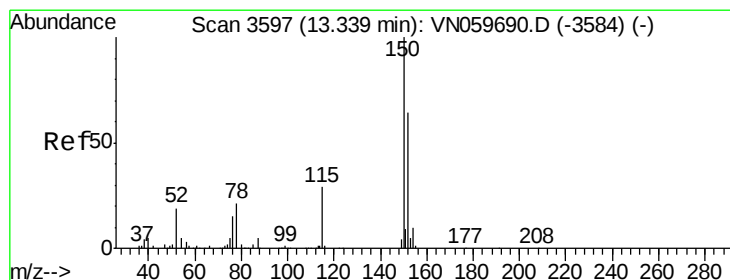
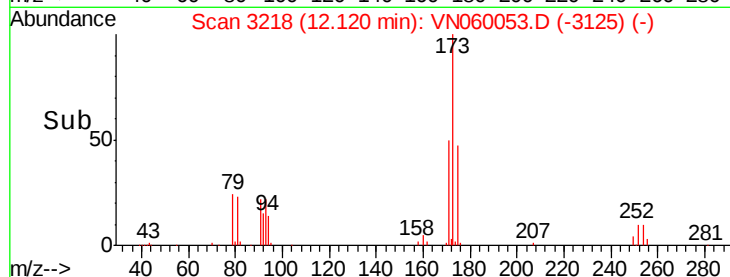
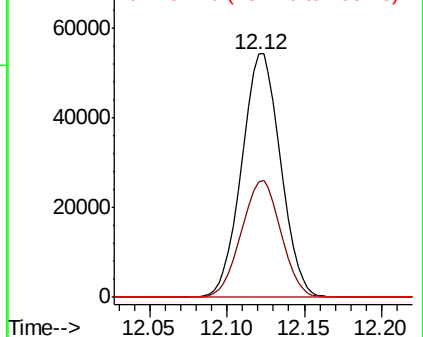
173 100

175 48.8 23.8 71.4

254 0.0 0.0 0.0



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. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

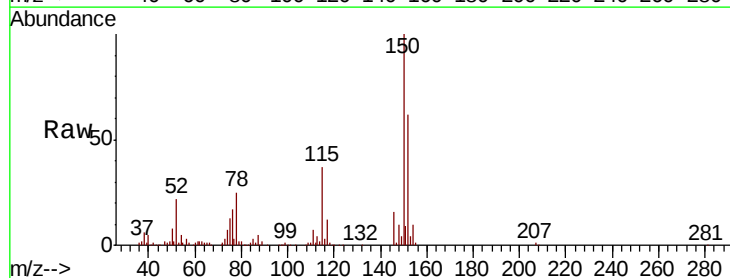
Tgt Ion:152 Resp: 135657

Ion Ratio Lower Upper

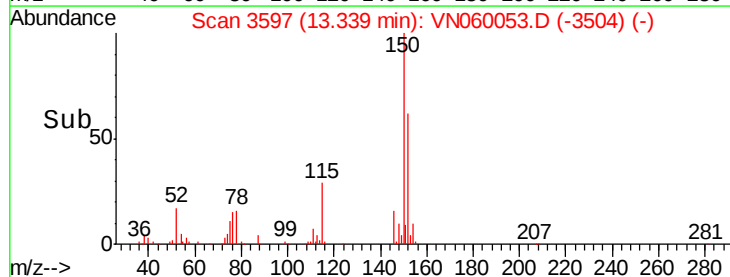
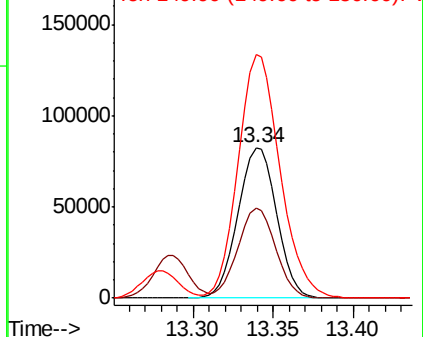
152 100

115 58.8 30.3 90.9

150 175.9 0.0 345.2



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: 52.171 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

Instrument :

MSVOA_N

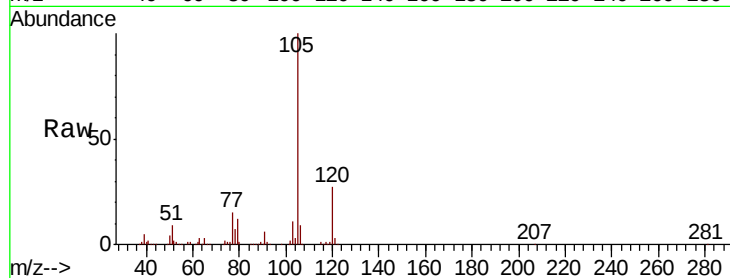
ClientSampleId :

Tot Ion:105 Resp: 519050

Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

300000

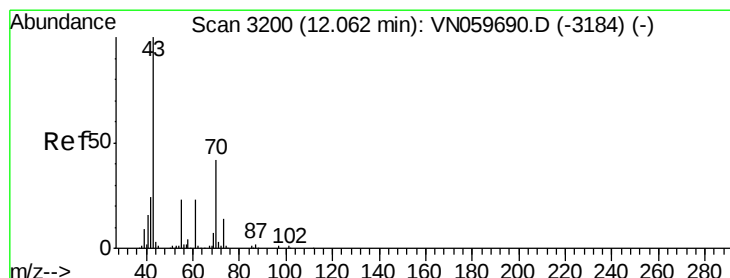
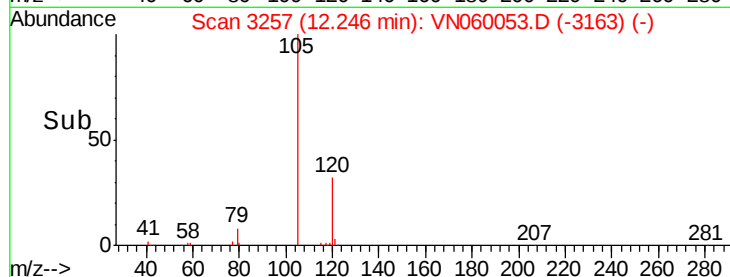
200000

100000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 51.849 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

Tgt Ion: 43 Resp: 200163

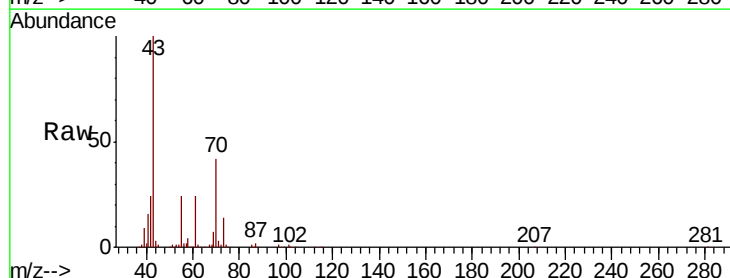
Ion Ratio Lower Upper

43 100

70 41.8 31.3 46.9

55 24.2 19.8 29.6

61 24.1 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

200000

150000

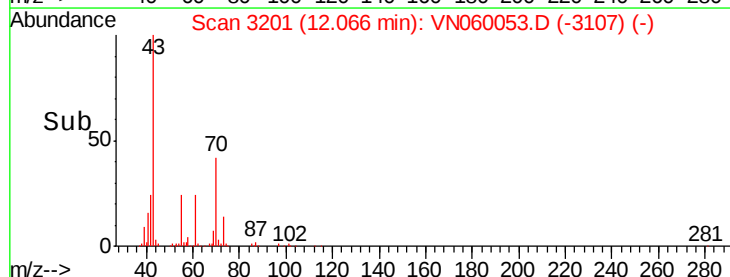
100000

50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 54.021 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

Instrument :

MSVOA_N

ClientSampleId :

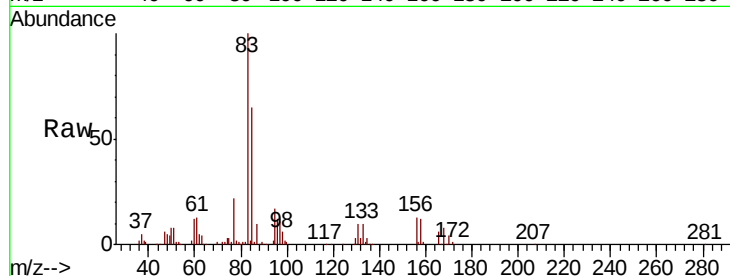
Tot Ion: 83 Resp: 155809

Ion Ratio Lower Upper

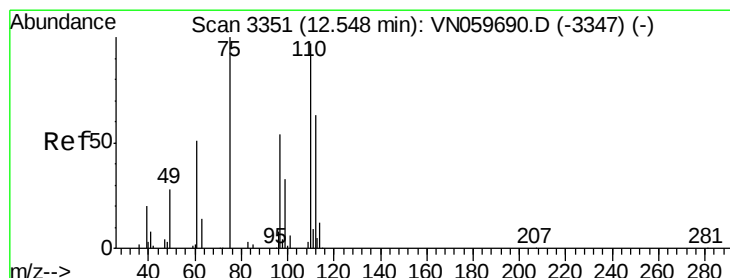
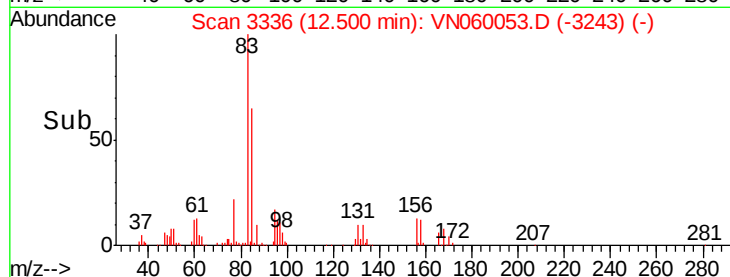
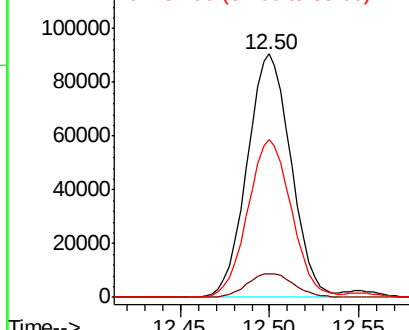
83 100

131 10.4 5.0 14.9

85 64.4 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 91.246 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060053.D

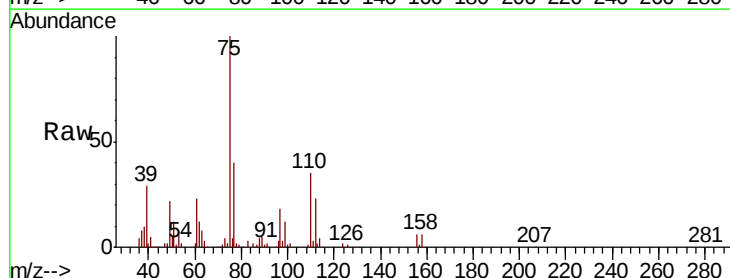
Acq: 11 Feb 2020 9:50

Tgt Ion: 75 Resp: 208313

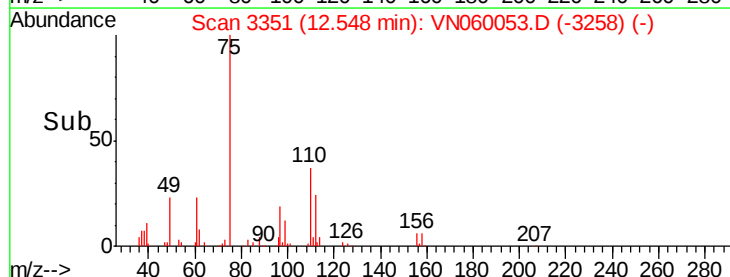
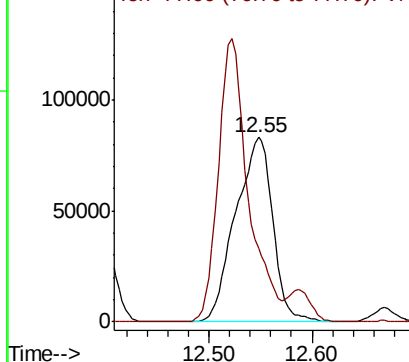
Ion Ratio Lower Upper

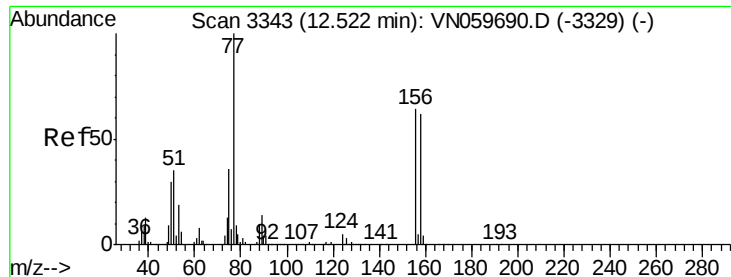
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 51.576 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

Instrument :

MSVOA_N

ClientSampleId :

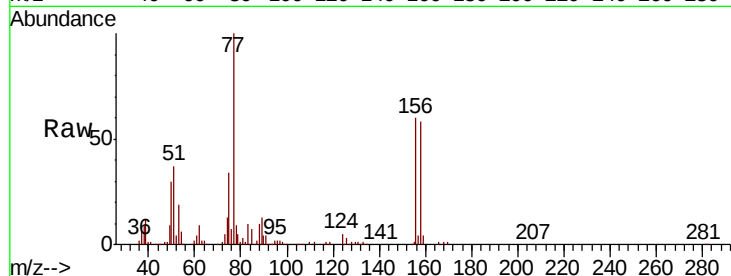
Tot Ion:156 Resp: 129944

Ion Ratio Lower Upper

156 100

77 198.2 115.8 347.4

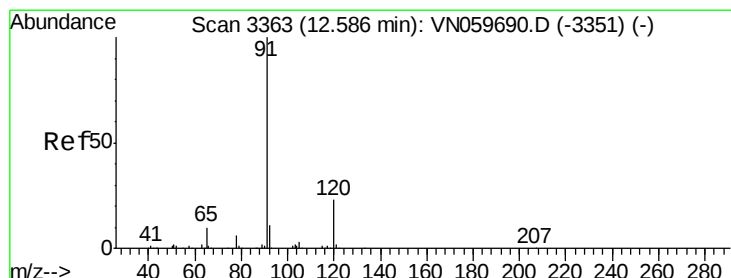
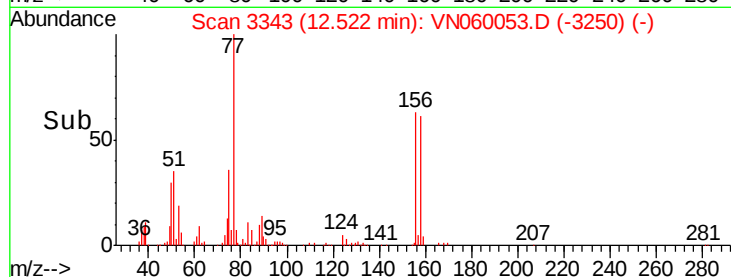
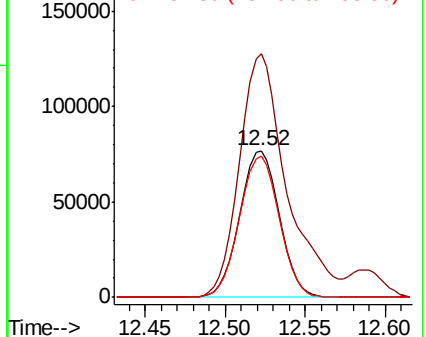
158 96.6 49.2 147.6



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: 52.940 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060053.D

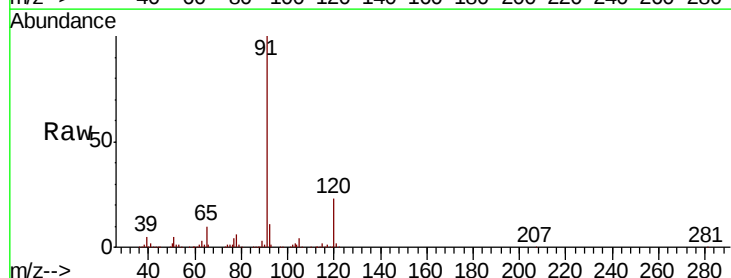
Acq: 11 Feb 2020 9:50

Tgt Ion: 91 Resp: 591171

Ion Ratio Lower Upper

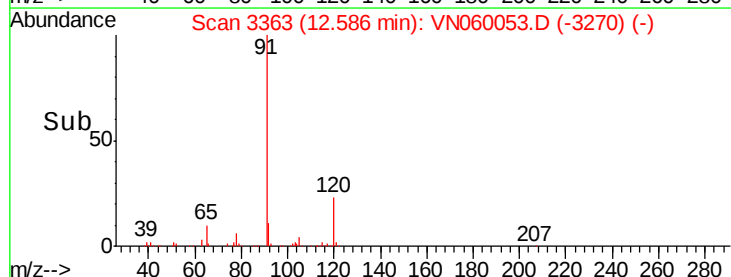
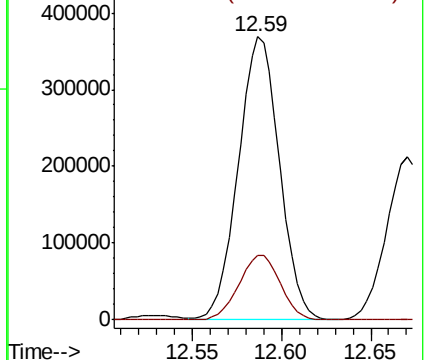
91 100

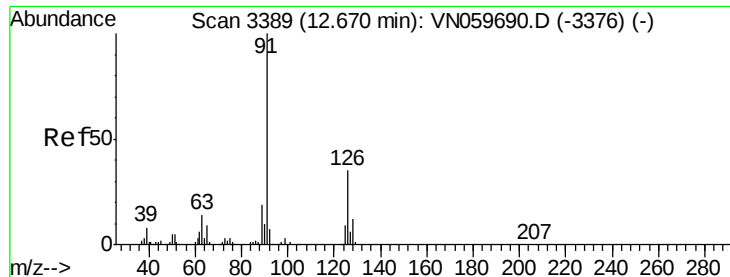
120 23.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.072 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

Instrument :

MSVOA_N

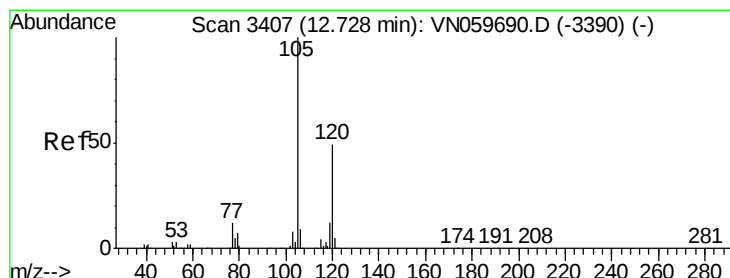
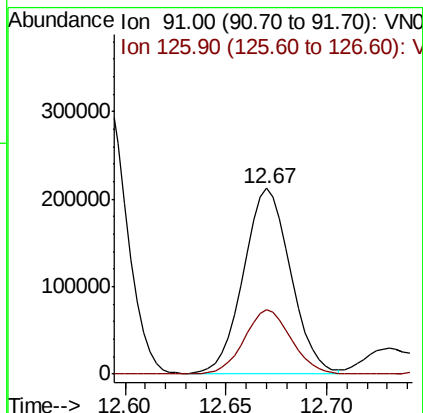
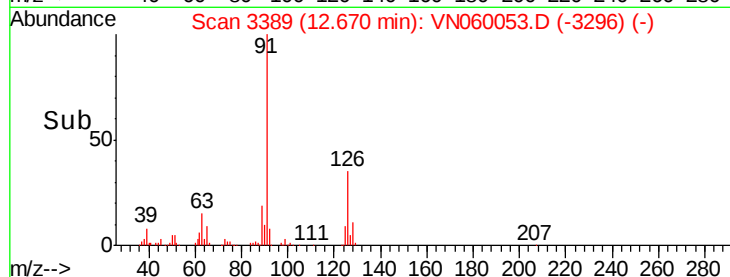
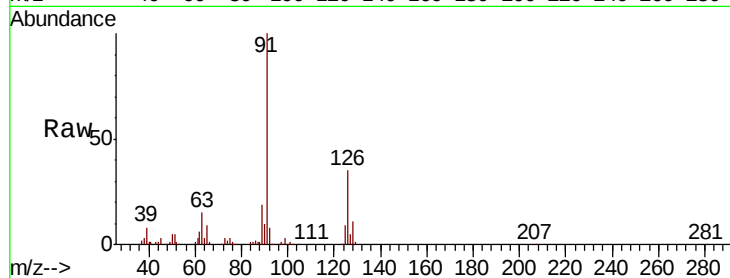
ClientSampled :

Tot Ion: 91 Resp: 345921

Ion Ratio Lower Upper

91 100

126 34.8 16.3 48.9



#80

1,3,5-Trimethylbenzene

Concen: 52.114 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060053.D

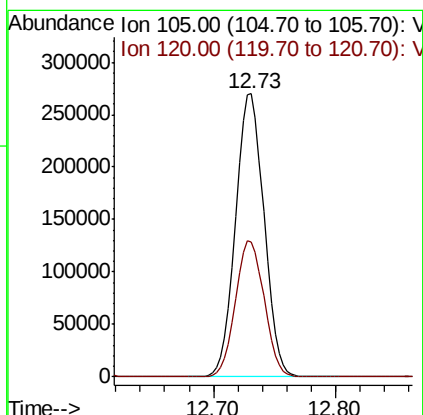
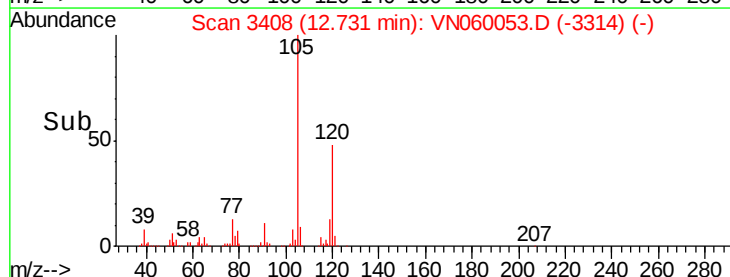
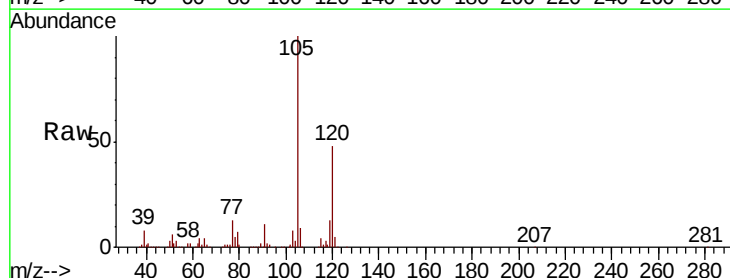
Acq: 11 Feb 2020 9:50

Tgt Ion: 105 Resp: 436047

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 53.531 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

Instrument :

MSVOA_N

ClientSampled :

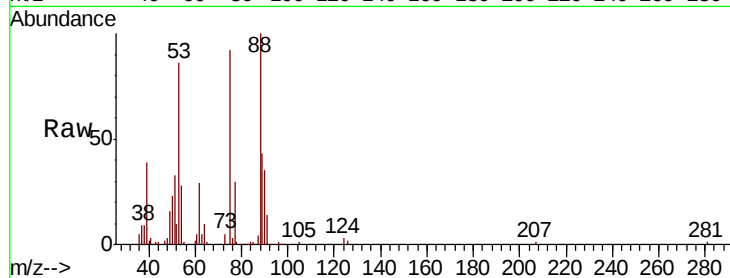
Tot Ion: 75 Resp: 56908

Ion Ratio Lower Upper

75 100

53 91.9 78.1 117.1

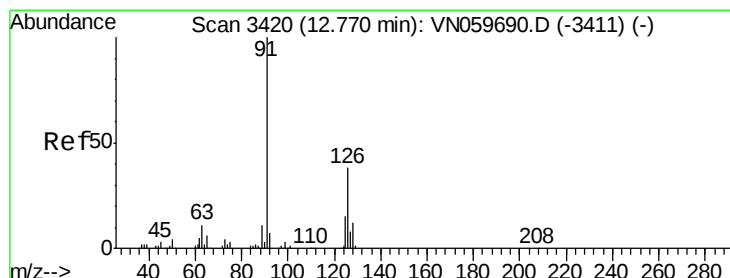
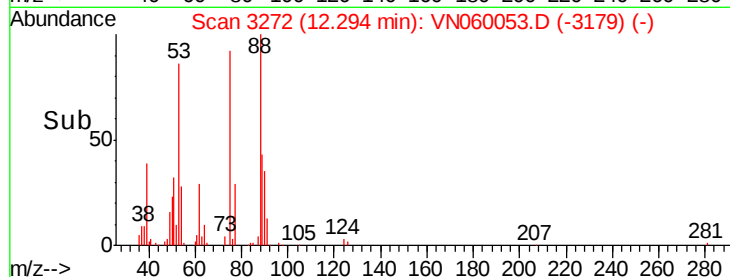
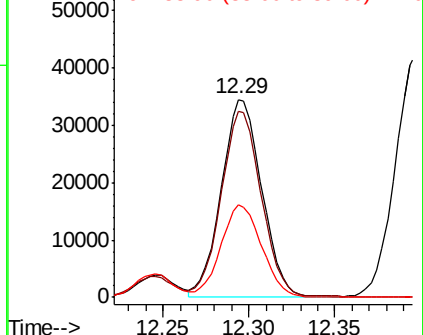
89 47.1 35.4 53.2



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: 54.090 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060053.D

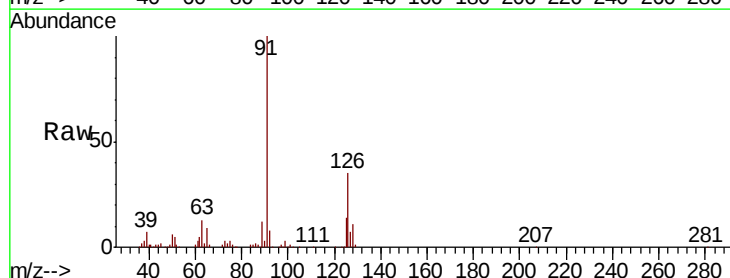
Acq: 11 Feb 2020 9:50

Tgt Ion: 91 Resp: 360406

Ion Ratio Lower Upper

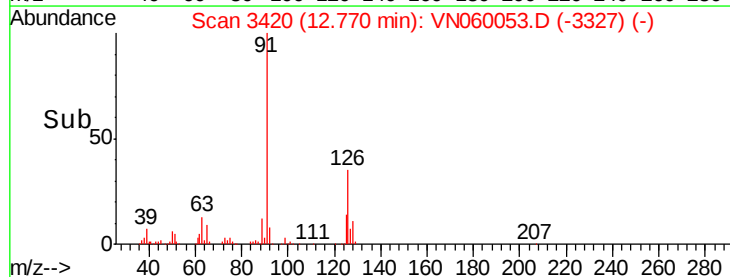
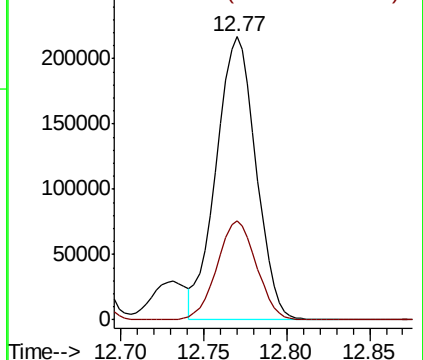
91 100

126 34.6 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

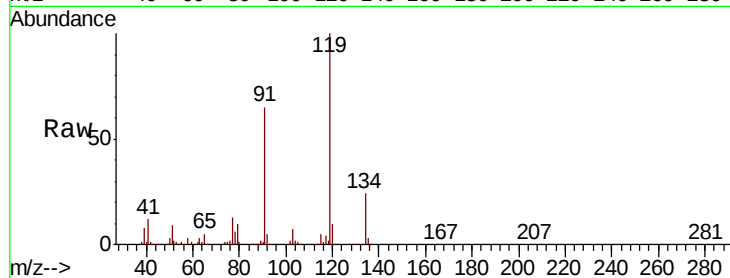




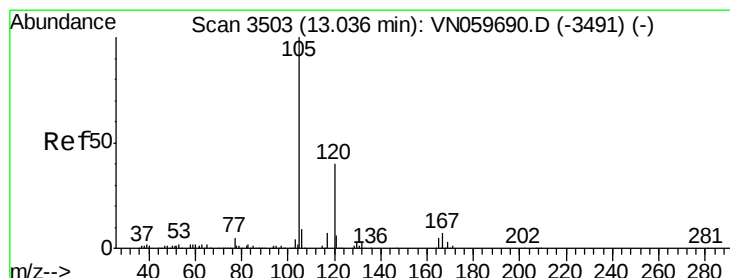
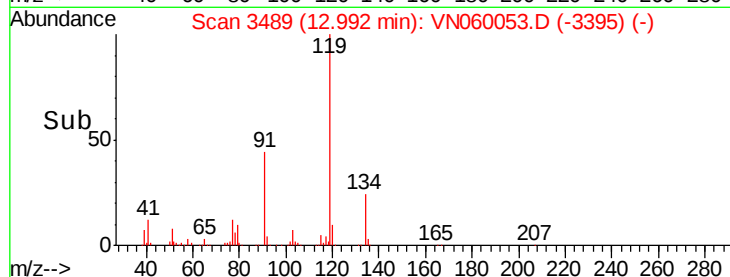
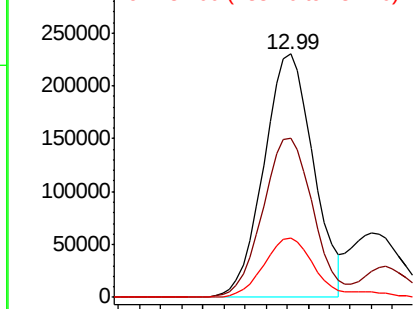
#83
tert-Butylbenzene
Concen: 52.050 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 376660
Ion Ratio Lower Upper
119 100
91 65.9 34.8 104.4
134 26.0 12.3 36.9

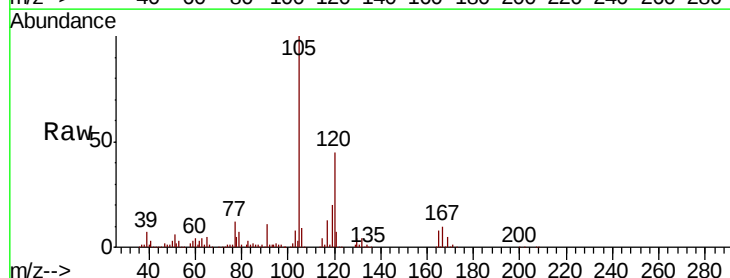


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

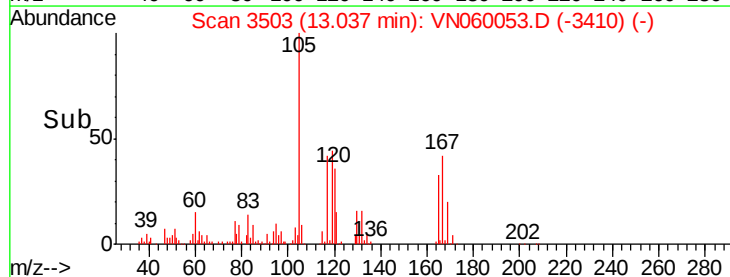
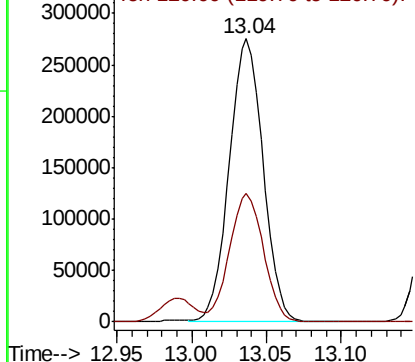


#84
1,2,4-Trimethylbenzene
Concen: 52.392 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Tgt Ion:105 Resp: 433690
Ion Ratio Lower Upper
105 100
120 45.9 22.3 66.9



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





#85

sec-Butylbenzene

Concen: 54.187 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

Instrument :

MSVOA_N

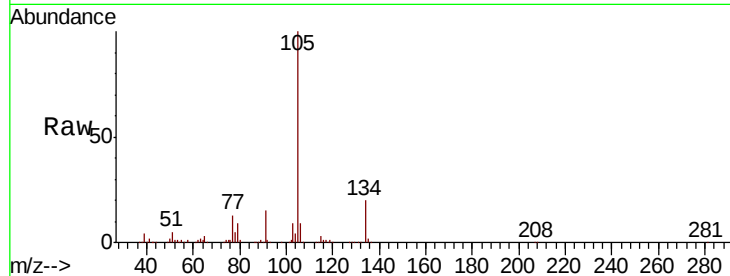
ClientSampled :

Tot Ion:105 Resp: 515192

Ion Ratio Lower Upper

105 100

134 20.0 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

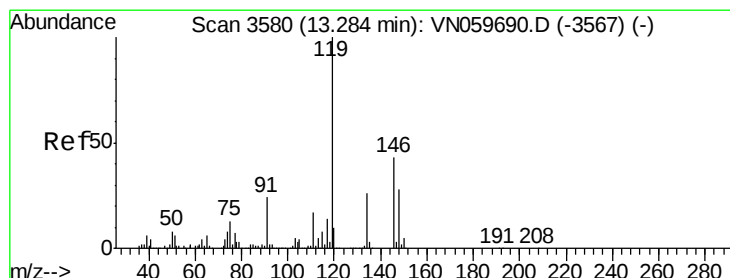
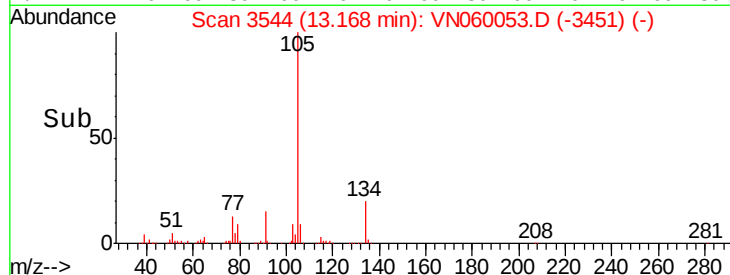
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 53.971 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

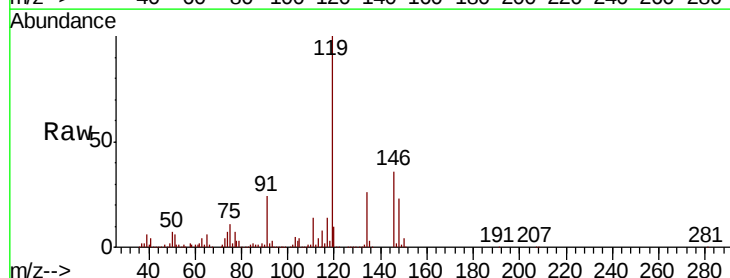
Tgt Ion:119 Resp: 474806

Ion Ratio Lower Upper

119 100

134 26.1 12.9 38.7

91 23.7 12.4 37.4



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

13.29

400000

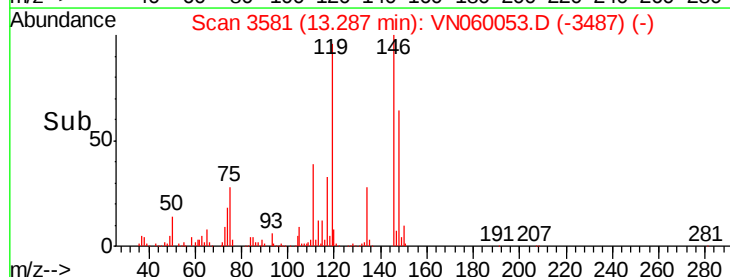
300000

200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 54.354 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

Instrument :

MSVOA_N

ClientSampled :

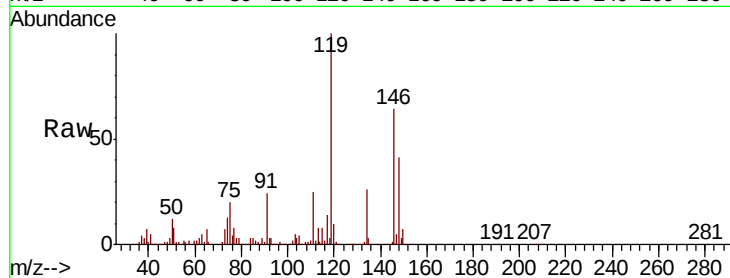
Tot Ion:146 Resp: 237876

Ion Ratio Lower Upper

146 100

111 39.0 20.8 62.2

148 63.9 32.0 96.0

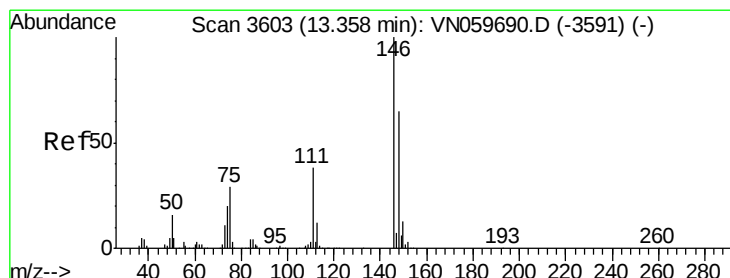
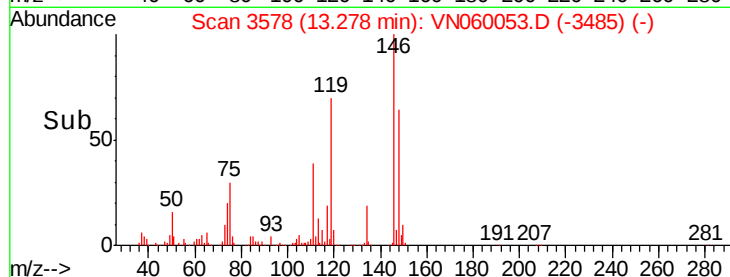
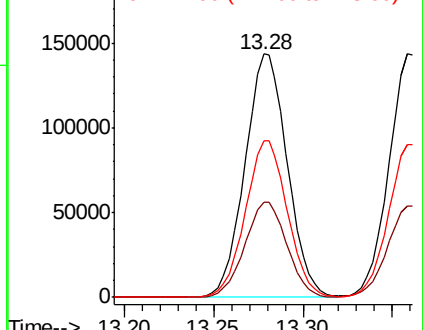


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 53.819 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

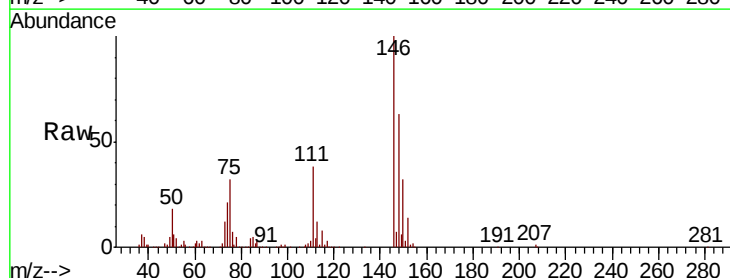
Tgt Ion:146 Resp: 234970

Ion Ratio Lower Upper

146 100

111 38.3 20.8 62.2

148 64.1 31.8 95.4

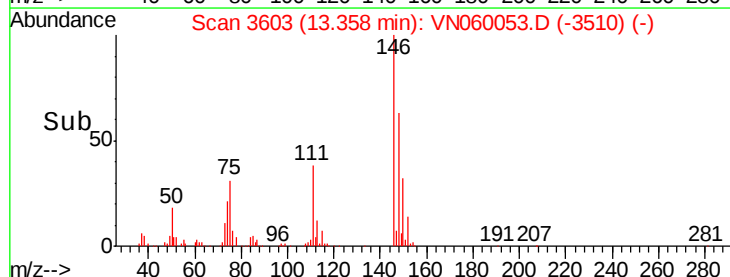
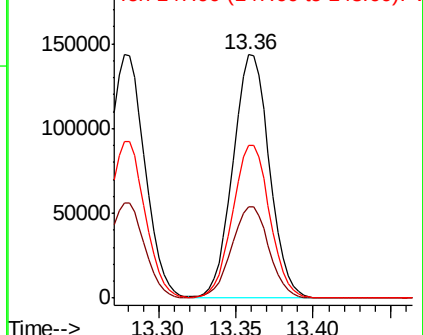


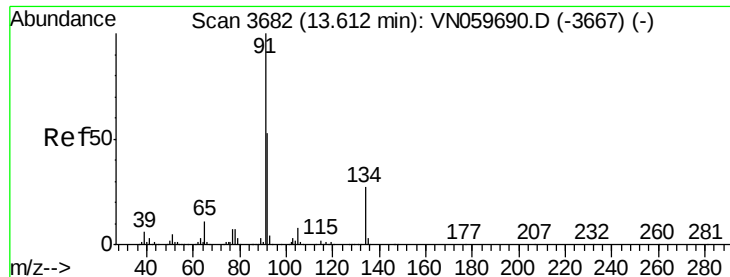
Abundance

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: 57.412 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

Instrument :

MSVOA_N

ClientSampleId :

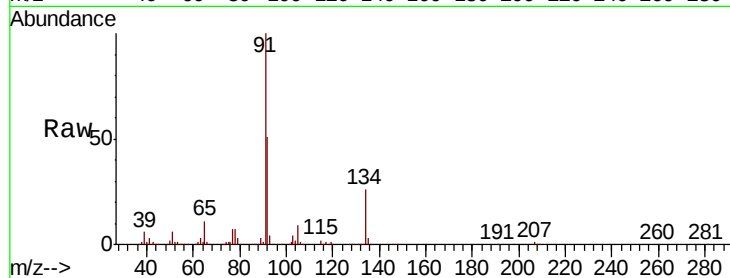
Tot Ion: 91 Resp: 430650

Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.9	77.7
134	26.3	12.3	36.8

91 100

92 51.6 25.9 77.7

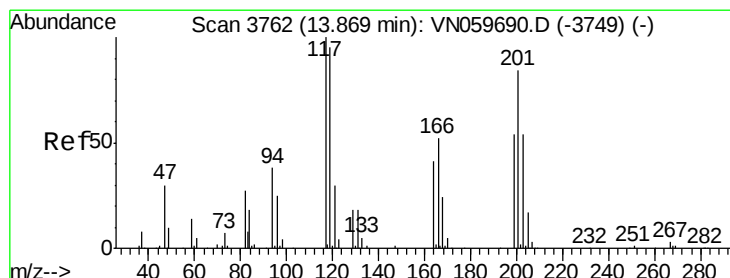
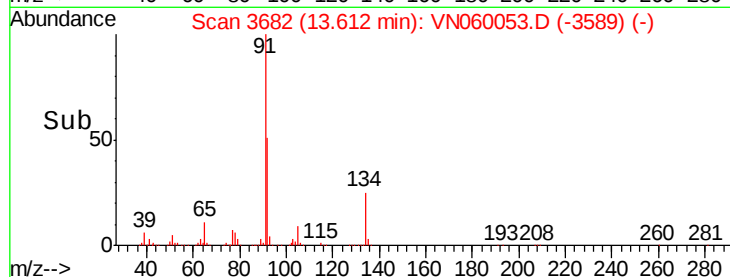
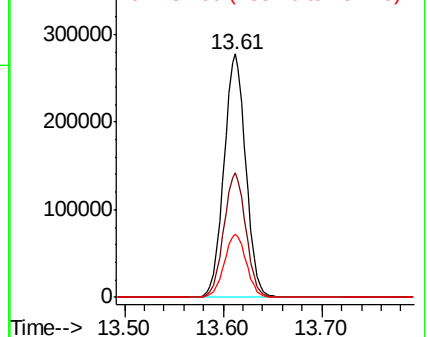
134 26.3 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN060053.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN060053.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN060053.D (-3667) (-)



#90

Hexachloroethane

Concen: 54.602 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. 0.00 min

Lab File: VN060053.D

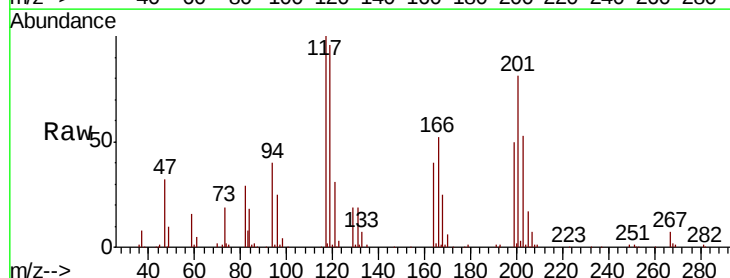
Acq: 11 Feb 2020 9:50

Tgt Ion: 117 Resp: 89875

Ion	Ratio	Lower	Upper
117	100		
201	81.9	37.8	113.4

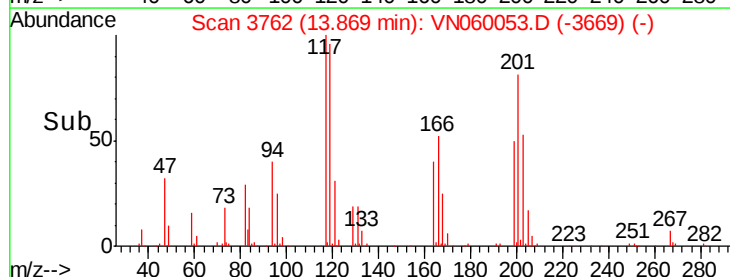
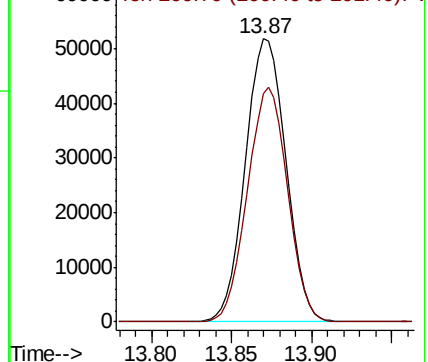
117 100

201 81.9 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN060053.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN060053.D (-3669) (-)





#91

1,2-Dichlorobenzene

Concen: 53.284 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

Instrument :

MSVOA_N

ClientSampleId :

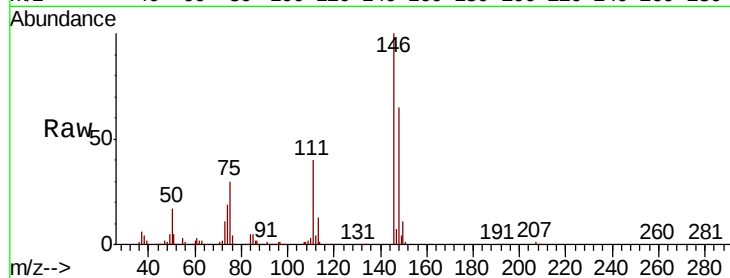
Tot Ion:146 Resp: 230540

Ion Ratio Lower Upper

146 100

111 40.2 21.6 64.8

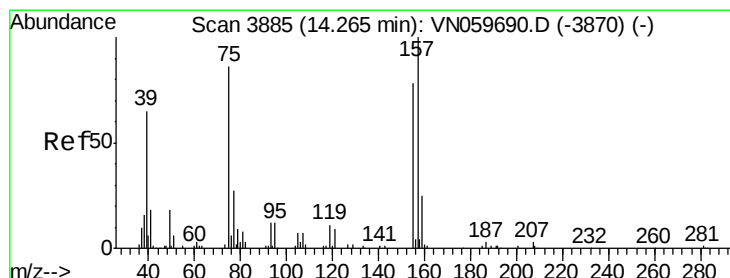
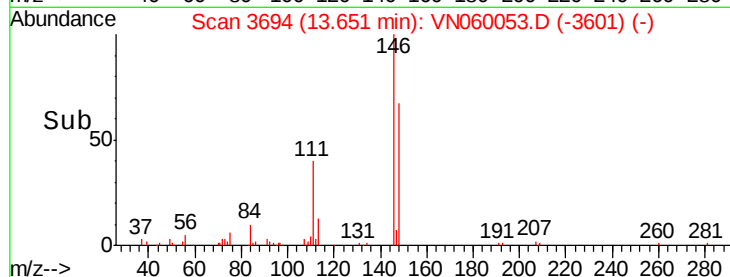
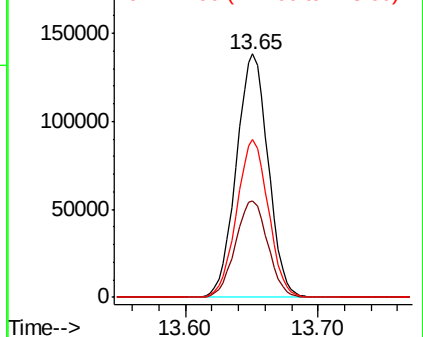
148 64.6 31.6 95.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.855 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN060053.D

Acq: 11 Feb 2020 9:50

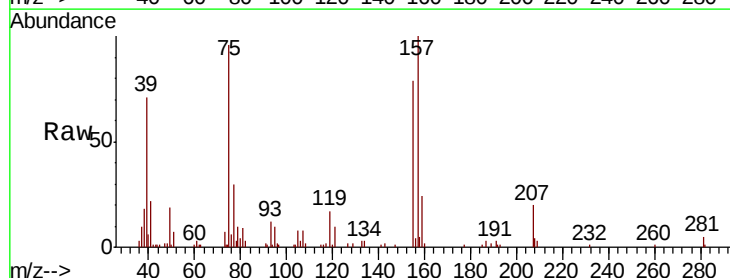
Tgt Ion: 75 Resp: 33833

Ion Ratio Lower Upper

75 100

155 83.4 37.0 110.9

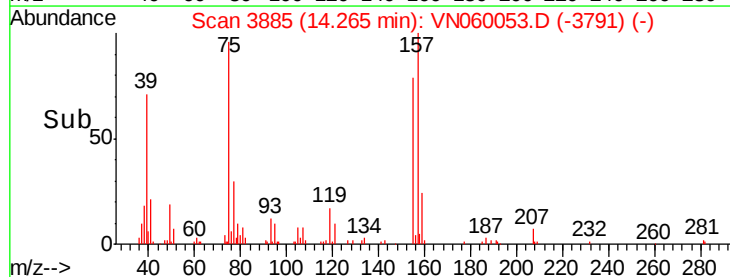
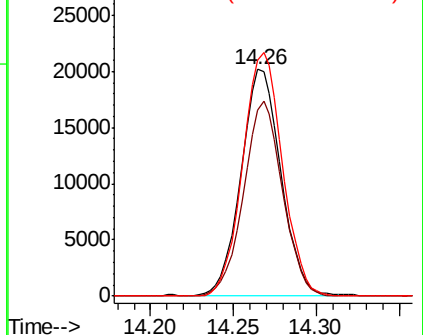
157 106.5 48.4 145.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

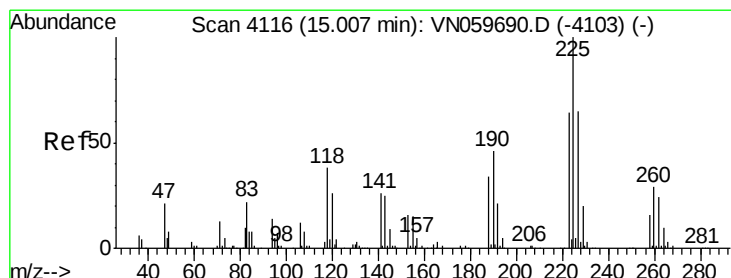
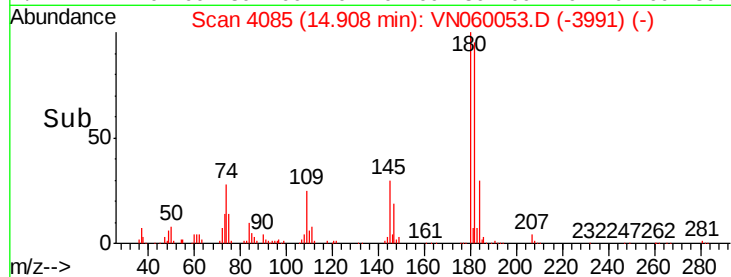
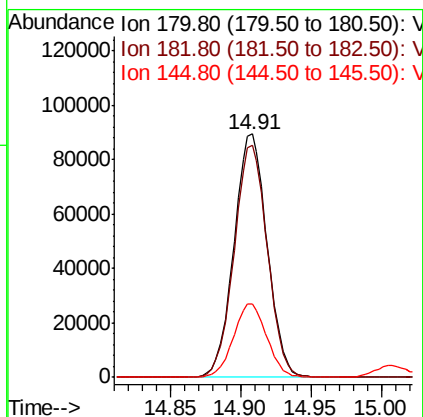
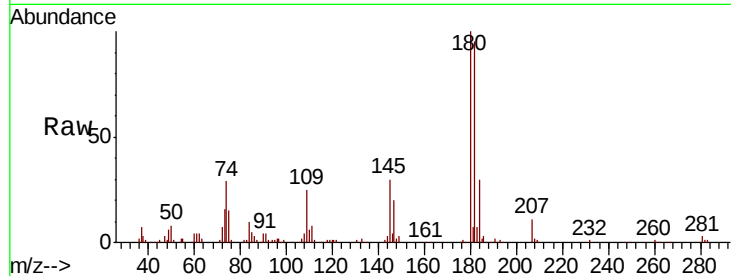




#93
 1,2,4-Trichlorobenzene
 Concen: 56.607 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060053.D
 Acq: 11 Feb 2020 9:50

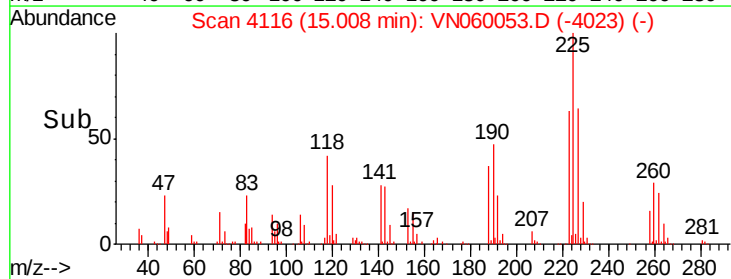
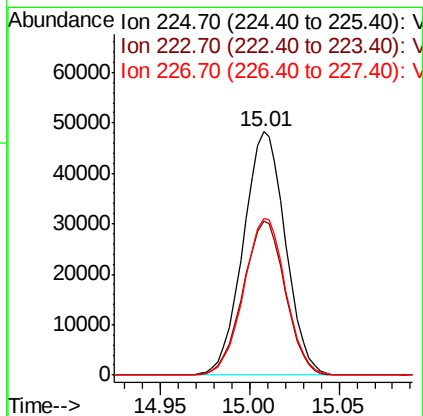
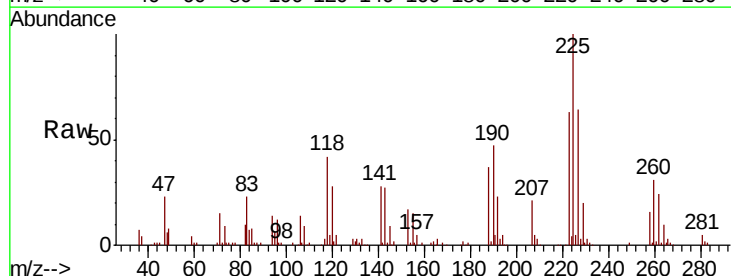
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.9	140.7
145	30.2	15.0	45.1



#94
 Hexachlorobutadiene
 Concen: 55.688 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060053.D
 Acq: 11 Feb 2020 9:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.8	95.3
227	64.0	32.1	96.5

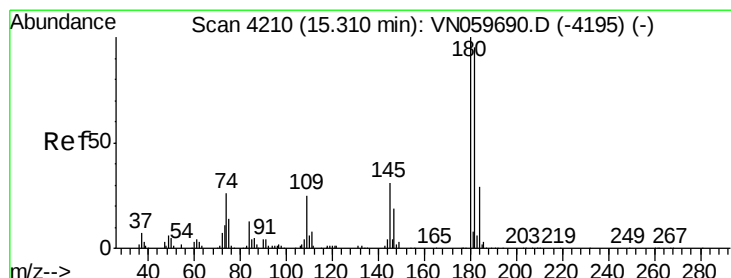
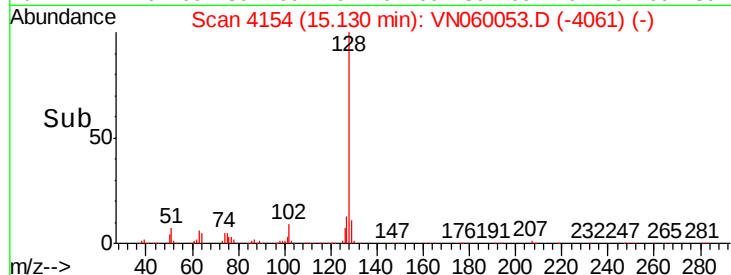
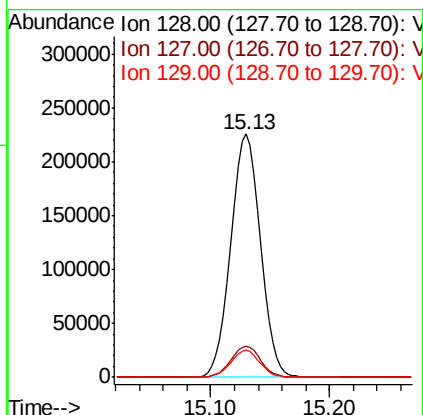
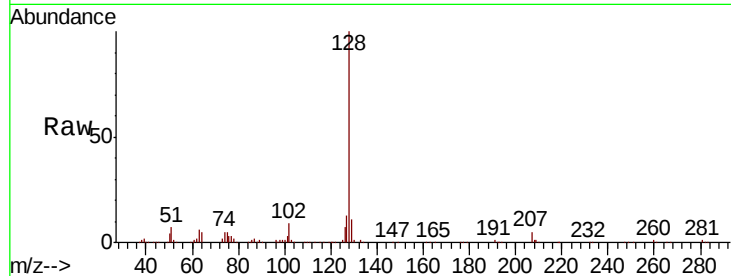




#95
Naphthalene
Concen: 52.902 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.8	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 55.589 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060053.D
Acq: 11 Feb 2020 9:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.4	142.3
145	32.2	16.3	48.9

