

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022020\
 Data File : VN060177.D
 Acq On : 20 Feb 2020 17:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 21 02:27:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	208222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	334784	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	317429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	159795	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	122482	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
35) Dibromofluoromethane	7.56	113	99002	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
50) Toluene-d8	10.08	98	380059	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	
62) 4-Bromofluorobenzene	12.40	95	146024	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	93750	45.044	ug/l	100
3) Chloromethane	2.04	50	113161	45.688	ug/l	98
4) Vinyl Chloride	2.17	62	131436	46.556	ug/l	100
5) Bromomethane	2.54	94	80721	46.630	ug/l	98
6) Chloroethane	2.68	64	68294	47.827	ug/l	97
7) Trichlorofluoromethane	3.00	101	171035	46.989	ug/l	98
8) Diethyl Ether	3.38	74	61230	50.535	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	95612	47.313	ug/l	99
10) Methyl Iodide	3.93	142	137087	50.452	ug/l	99
11) Tert butyl alcohol	4.73	59	97519	257.200	ug/l	100
12) 1,1-Dichloroethene	3.72	96	95740	48.632	ug/l	100
13) Acrolein	3.58	56	98106	261.774	ug/l	98
14) Allyl chloride	4.29	41	141771	48.928	ug/l	96
15) Acrylonitrile	4.94	53	248030	267.865	ug/l	99
16) Acetone	3.78	43	249101	225.392	ug/l	98
17) Carbon Disulfide	4.03	76	262993	44.321	ug/l	99
18) Methyl Acetate	4.29	43	112933	54.397	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	332673	50.249	ug/l	100
20) Methylene Chloride	4.52	84	106277	48.200	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	103806	48.372	ug/l	99
22) Diisopropyl ether	5.91	45	326721	51.450	ug/l	98
23) Vinyl Acetate	5.86	43	1401975	262.898	ug/l	99
24) 1,1-Dichloroethane	5.82	63	188279	48.943	ug/l	100
25) 2-Butanone	6.80	43	352111	253.322	ug/l	99
26) 2,2-Dichloropropane	6.79	77	181879	49.777	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	121662	48.442	ug/l	98
28) Bromochloromethane	7.17	49	74968	49.570	ug/l	100
29) Tetrahydrofuran	7.18	42	224368	263.120	ug/l	98
30) Chloroform	7.35	83	200617	49.784	ug/l	100
31) Cyclohexane	7.63	56	167146	46.643	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	183534	49.839	ug/l	100
36) 1,1-Dichloropropene	7.77	75	149243	48.129	ug/l	99
37) Ethyl Acetate	6.90	43	141204	50.385	ug/l	99
38) Carbon Tetrachloride	7.75	117	158543	47.077	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	178121	46.274	ug/l	96
40) Benzene	8.02	78	439181	47.745	ug/l	99
41) Methacrylonitrile	7.18	41	207563	176.606	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	160313	49.726	ug/l	99
43) Isopropyl Acetate	8.14	43	245128	51.168	ug/l	99
44) Trichloroethene	8.82	130	118341	46.463	ug/l	96
45) 1,2-Dichloropropane	9.10	63	113462	49.823	ug/l	100
46) Dibromomethane	9.19	93	77956	48.441	ug/l	99
47) Bromodichloromethane	9.39	83	160781	49.141	ug/l	100
48) Methyl methacrylate	9.18	41	109906	51.133	ug/l	98
49) 1,4-Dioxane	9.18	88	37790	1029.008	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	726740	262.085	ug/l	100
52) Toluene	10.14	92	282585	47.907	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	186231	50.426	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	191689	49.291	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	112203	48.758	ug/l	99
56) Ethyl methacrylate	10.42	69	172428	52.968	ug/l	98
57) 1,3-Dichloropropane	10.70	76	188079	49.531	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	389354	256.733	ug/l	99
59) 2-Hexanone	10.74	43	550862	257.171	ug/l	99
60) Dibromochloromethane	10.89	129	129801	49.153	ug/l	99
61) 1,2-Dibromoethane	10.99	107	120928	50.129	ug/l	99
64) Tetrachloroethene	10.62	164	103258	42.791	ug/l	99
65) Chlorobenzene	11.42	112	309193	47.810	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	118494	48.434	ug/l	99
67) Ethyl Benzene	11.50	91	559098	47.934	ug/l	100
68) m/p-Xylenes	11.62	106	420826	96.130	ug/l	100
69) o-Xylene	11.94	106	204849	48.600	ug/l	100
70) Styrene	11.96	104	340606	50.111	ug/l	99
71) Bromoform	12.12	173	99028	50.326	ug/l #	98
73) Isopropylbenzene	12.24	105	553010	46.344	ug/l	100
74) N-amyl acetate	12.06	43	222587	51.730	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	170502	49.642	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	225674	73.817	ug/l #	100
77) Bromobenzene	12.52	156	139692	47.172	ug/l	98
78) n-propylbenzene	12.59	91	634570	46.676	ug/l	100
79) 2-Chlorotoluene	12.67	91	374738	46.896	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	464468	46.814	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	64140	51.369	ug/l	99
82) 4-Chlorotoluene	12.77	91	384768	46.932	ug/l	100
83) tert-Butylbenzene	12.99	119	403772	46.005	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	469392	47.928	ug/l	100
85) sec-Butylbenzene	13.17	105	540459	46.497	ug/l	100
86) p-Isopropyltoluene	13.28	119	490726	46.597	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	248498	47.406	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	247125	47.154	ug/l	99
89) n-Butylbenzene	13.61	91	438987	47.392	ug/l	100
90) Hexachloroethane	13.87	117	90797	46.150	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	242838	47.338	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	36081	49.397	ug/l	96

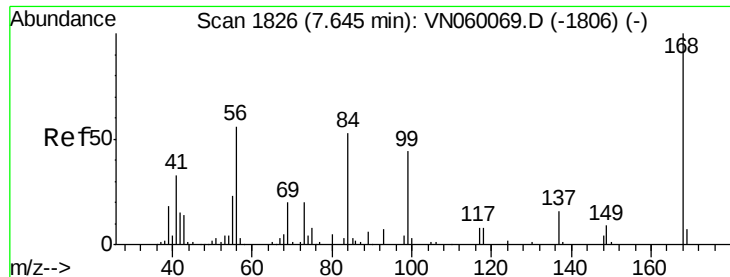
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Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	147813	49.039	ug/l	100
94) Hexachlorobutadiene	15.01	225	77320	43.817	ug/l	100
95) Naphthalene	15.13	128	397864	48.864	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	140478	46.800	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: VN060177.D

Acq: 20 Feb 2020 17:14

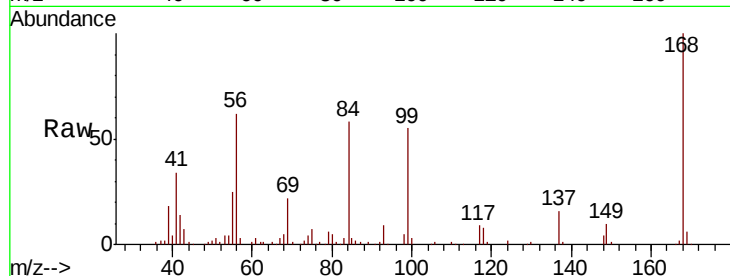
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 208222

Ion Ratio Lower Upper

168 100

99 55.0 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

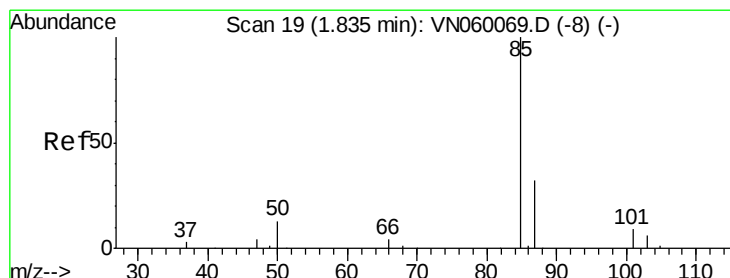
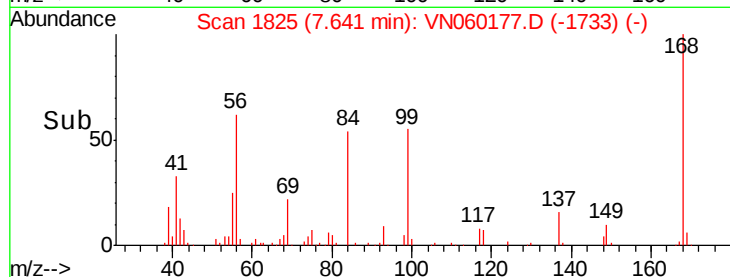
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 45.044 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060177.D

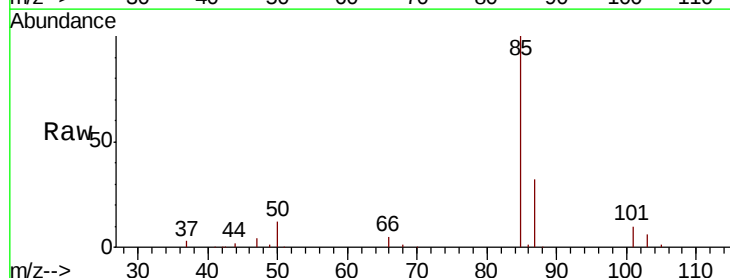
Acq: 20 Feb 2020 17:14

Tgt Ion: 85 Resp: 93750

Ion Ratio Lower Upper

85 100

87 31.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

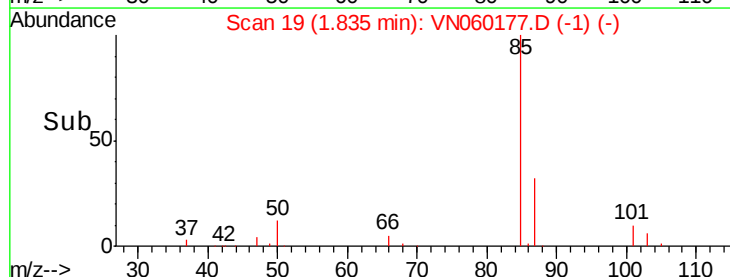
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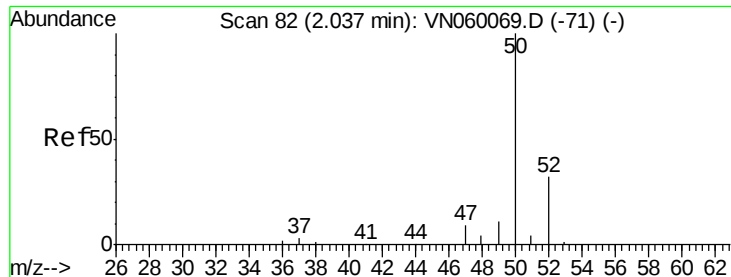
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 45.688 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

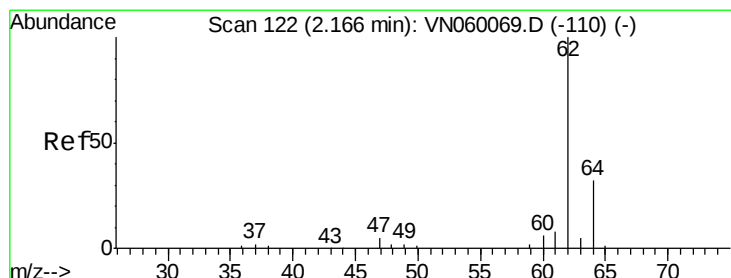
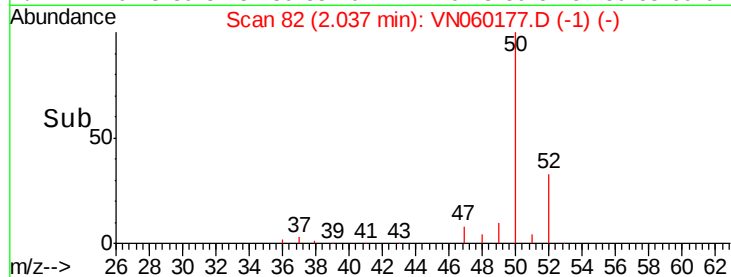
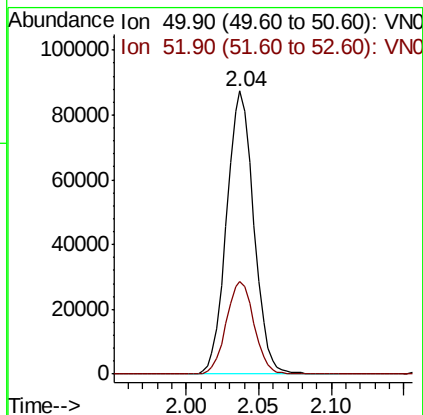
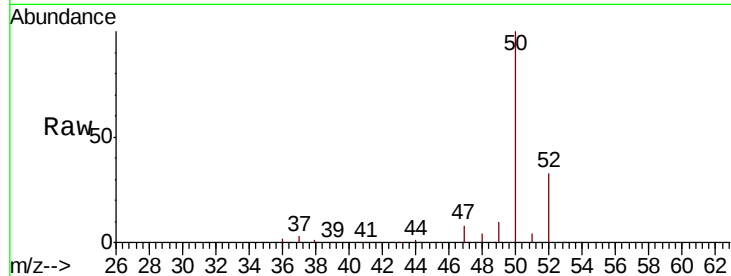
ClientSampleId :

Tot Ion: 50 Resp: 113161

Ion Ratio Lower Upper

50 100

52 32.9 25.6 38.4



#4

Vinyl Chloride

Concen: 46.556 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060177.D

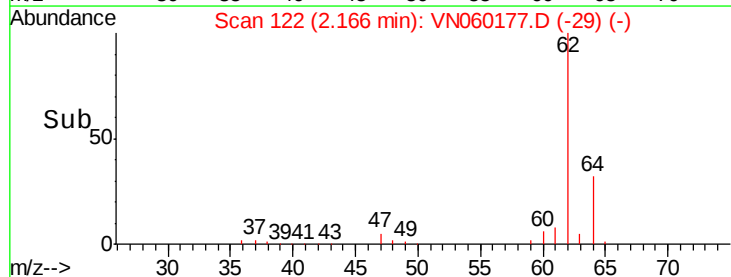
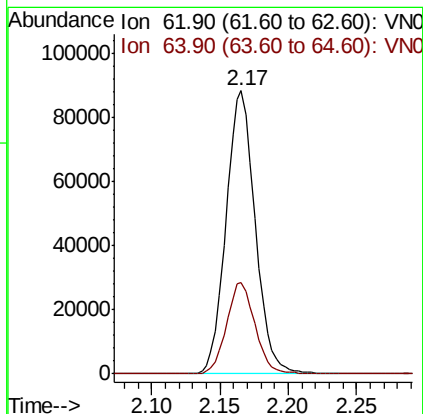
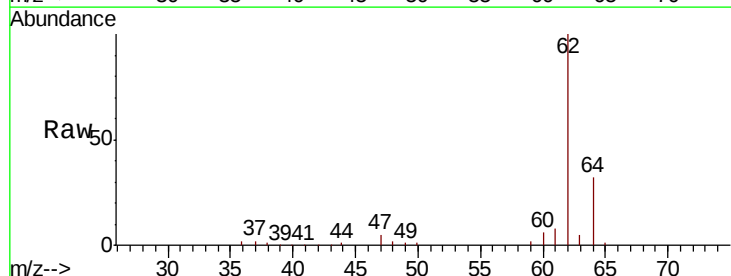
Acq: 20 Feb 2020 17:14

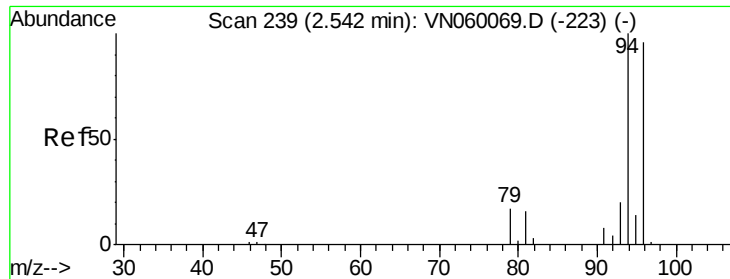
Tgt Ion: 62 Resp: 131436

Ion Ratio Lower Upper

62 100

64 32.4 25.9 38.9

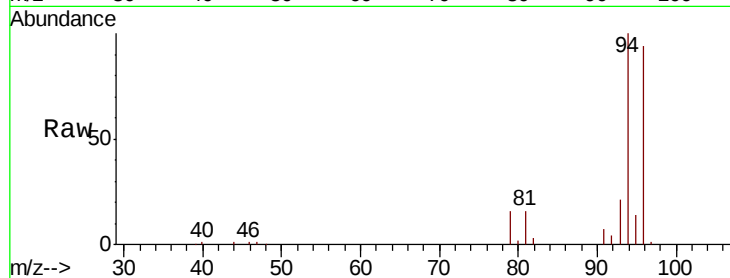




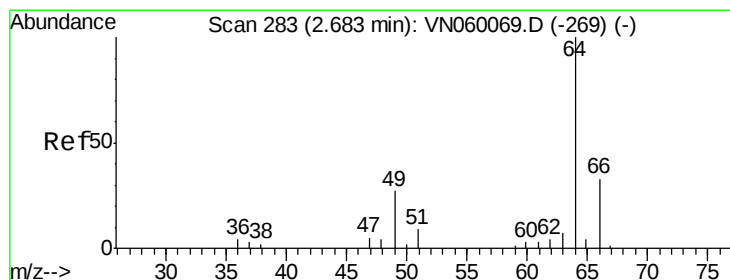
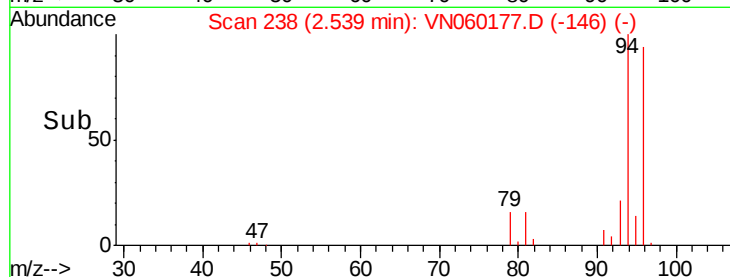
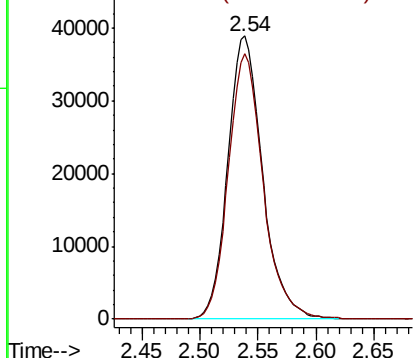
#5
Bromomethane
Concen: 46.630 ug/l
RT: 2.54 min Scan# 238
Delta R.T. -0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 80721
Ion Ratio Lower Upper
94 100
96 93.9 76.7 115.1

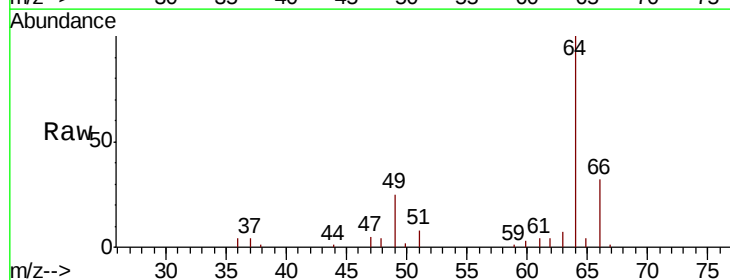


Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0

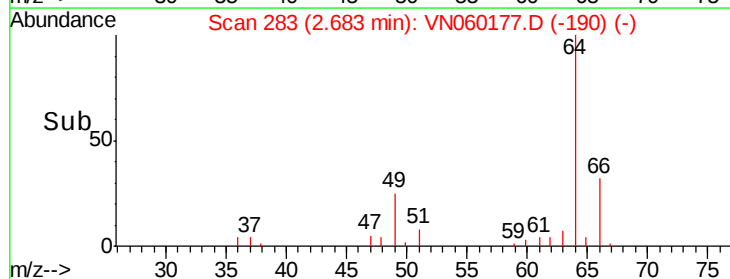
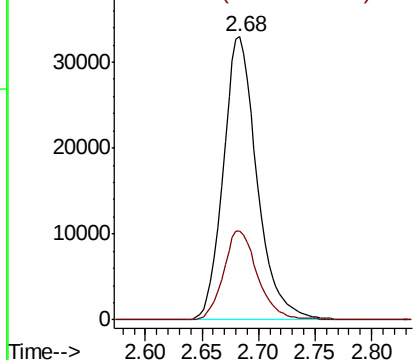


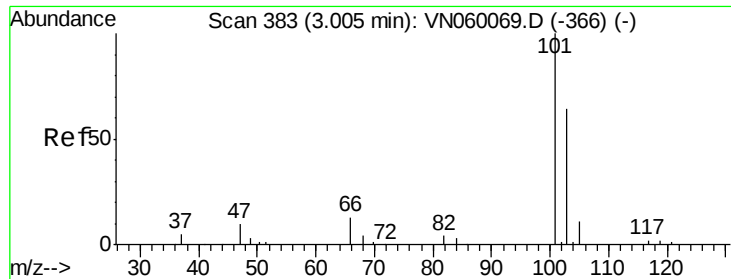
#6
Chloroethane
Concen: 47.827 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion: 64 Resp: 68294
Ion Ratio Lower Upper
64 100
66 31.6 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



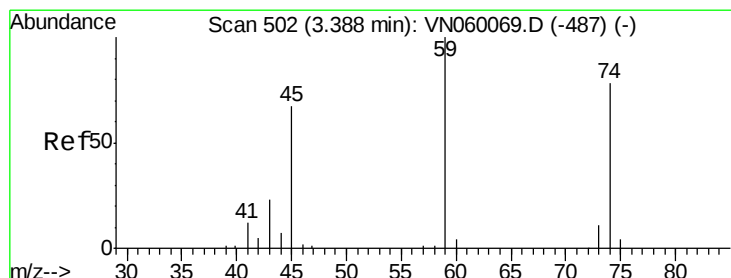
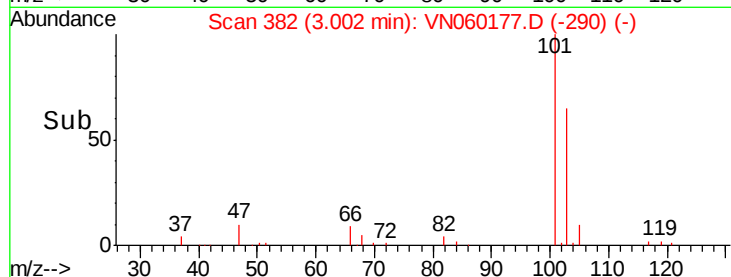
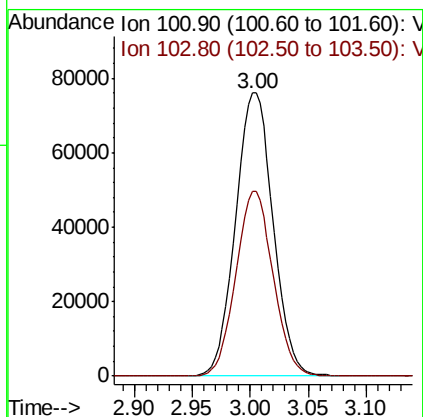
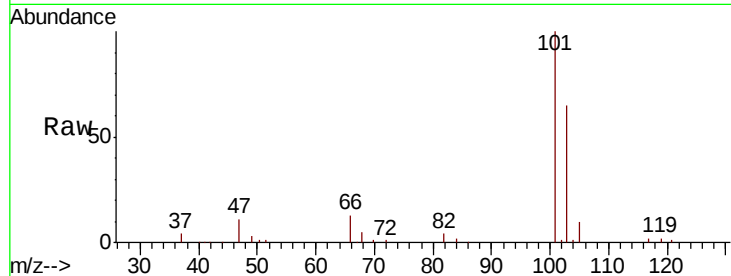


#7

Trichlorofluoromethane
 Concen: 46.989 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Instrument :
 MSVOA_N
 ClientSampled :

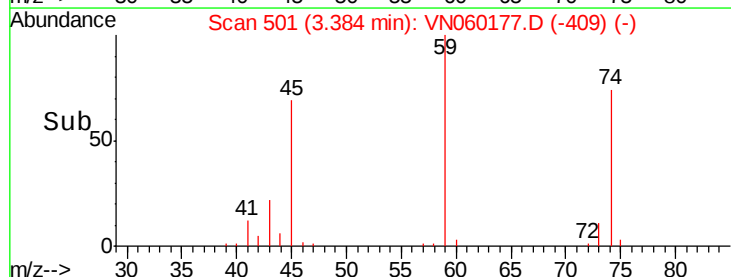
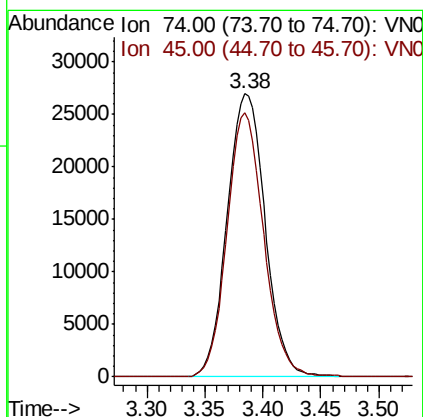
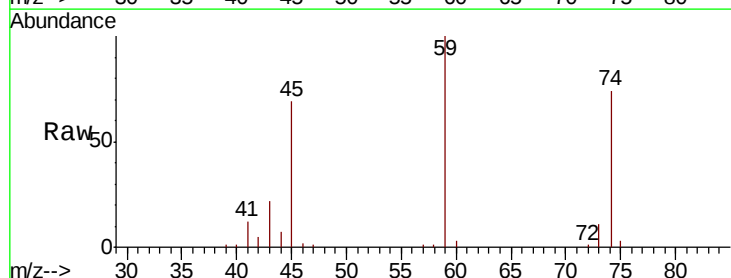
Tot Ion:101 Resp: 171035
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.0 76.6

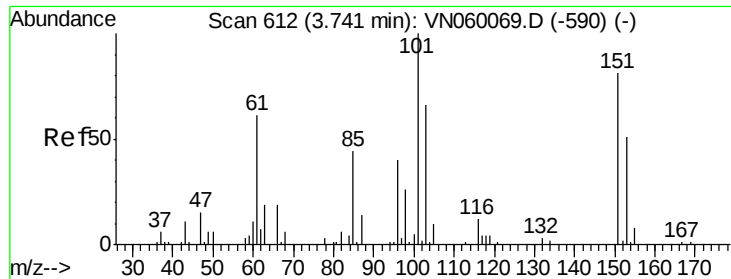


#8

Diethyl Ether
 Concen: 50.535 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Tgt Ion: 74 Resp: 61230
 Ion Ratio Lower Upper
 74 100
 45 89.9 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.313 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

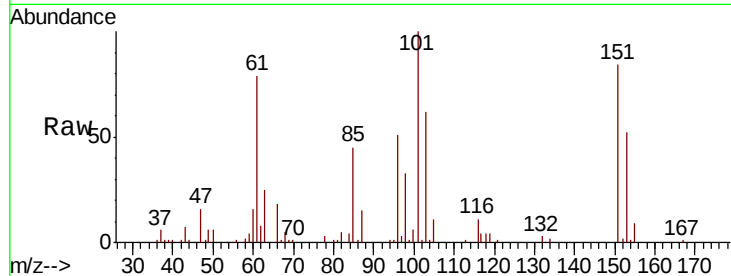
Tot Ion:101 Resp: 95612

Ion Ratio Lower Upper

101 100

85 44.6 35.1 52.7

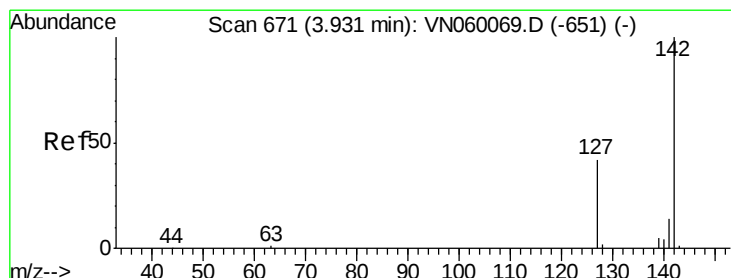
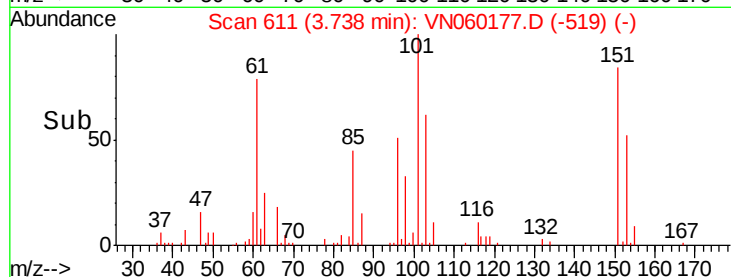
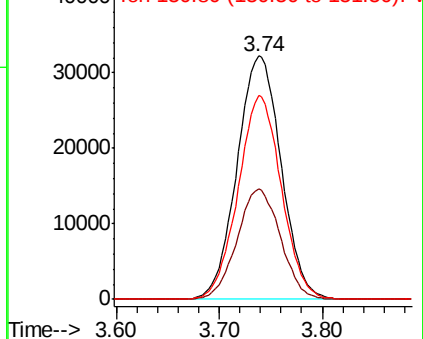
151 81.9 65.8 98.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.452 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

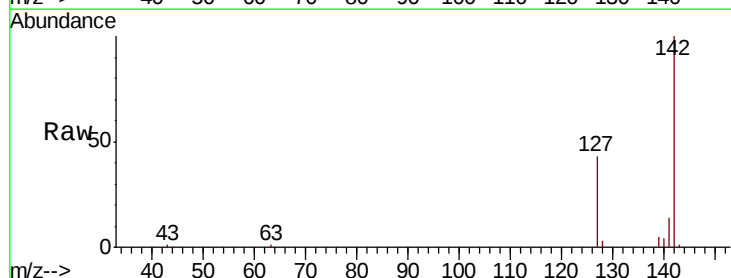
Tgt Ion:142 Resp: 137087

Ion Ratio Lower Upper

142 100

127 42.7 33.6 50.4

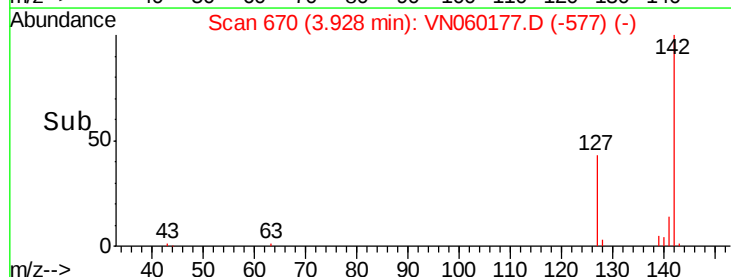
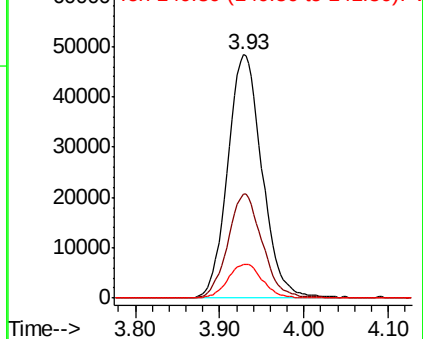
141 14.0 11.4 17.2

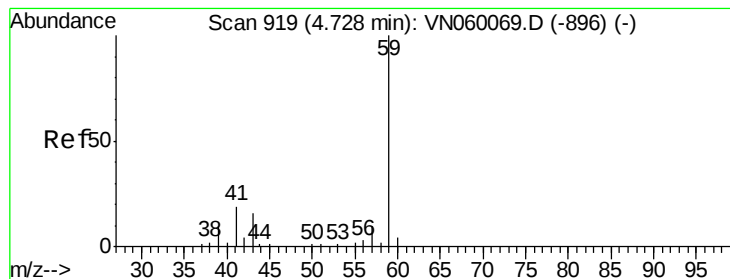


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



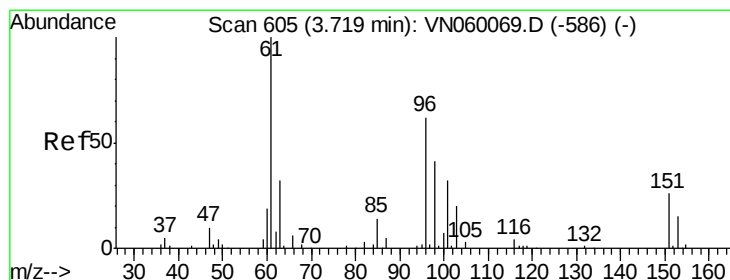
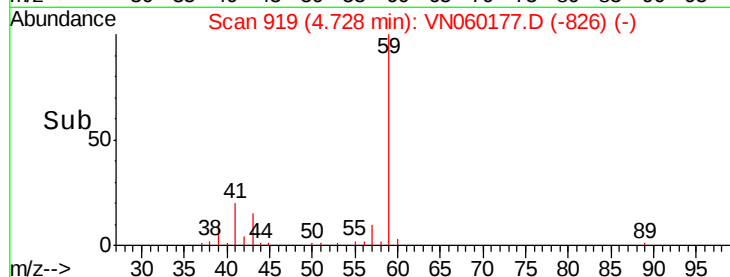
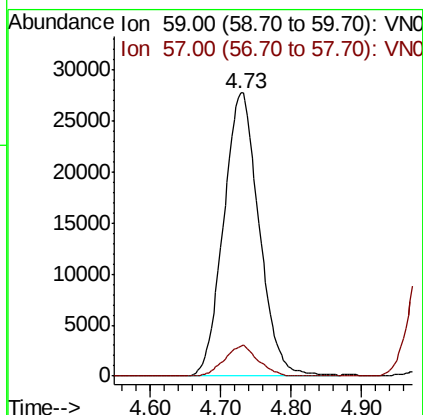
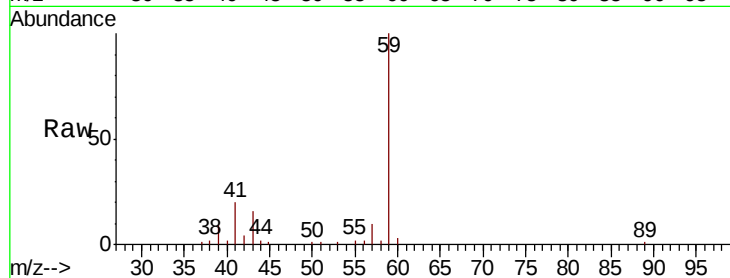


#11

Tert butyl alcohol
Concen: 257.200 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampleId :

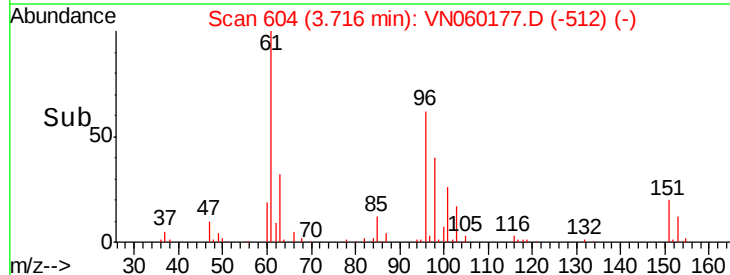
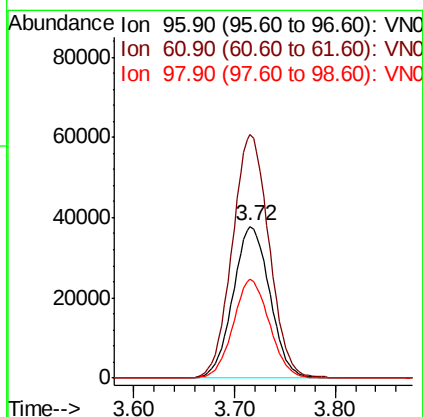
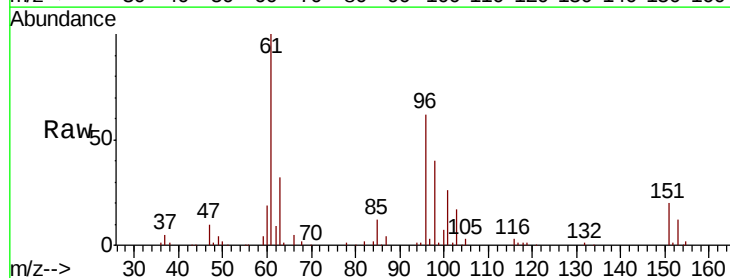
Tot Ion: 59 Resp: 97519
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4

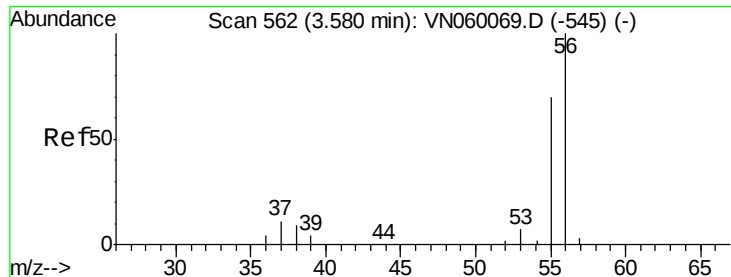


#12

1,1-Dichloroethene
Concen: 48.632 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion: 96 Resp: 95740
Ion Ratio Lower Upper
96 100
61 160.7 128.3 192.5
98 65.1 52.2 78.4





#13

Acrolein

Concen: 261.774 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

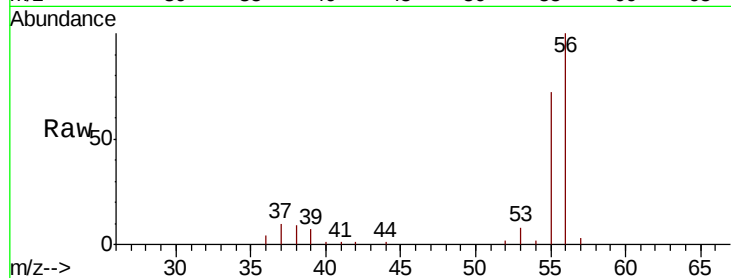
ClientSampleId :

Tot Ion: 56 Resp: 98106

Ion Ratio Lower Upper

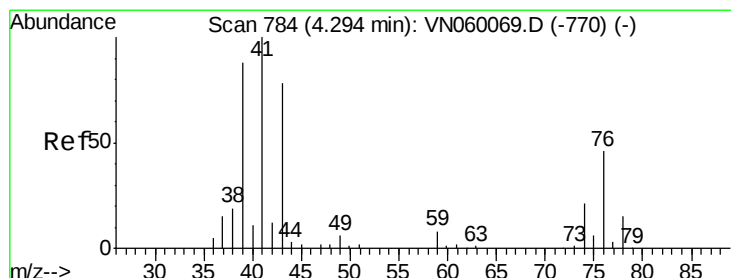
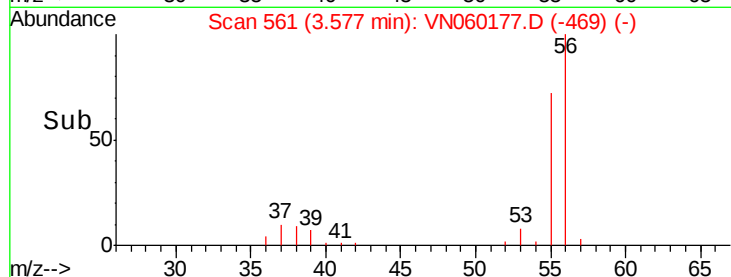
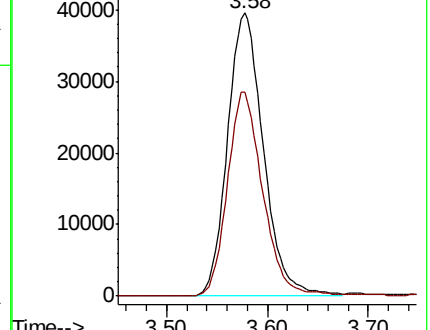
56 100

55 70.0 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN060069.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN060069.D (-545) (-)



#14

Allyl chloride

Concen: 48.928 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

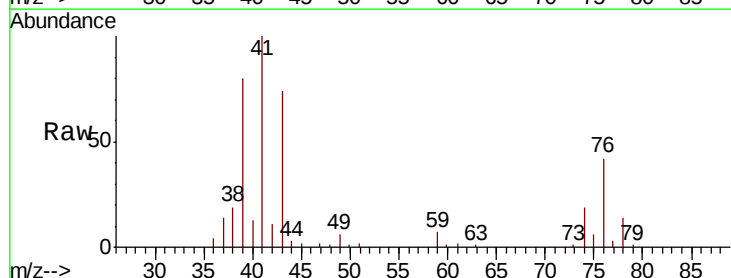
Tgt Ion: 41 Resp: 141771

Ion Ratio Lower Upper

41 100

39 80.1 67.8 101.8

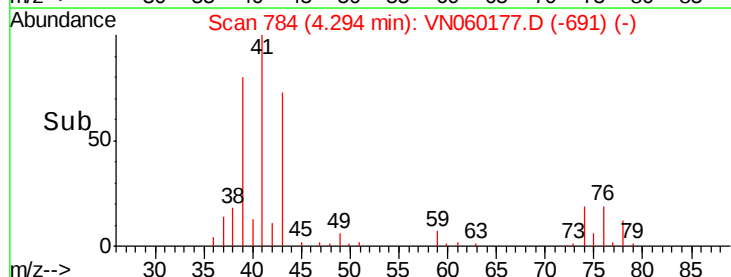
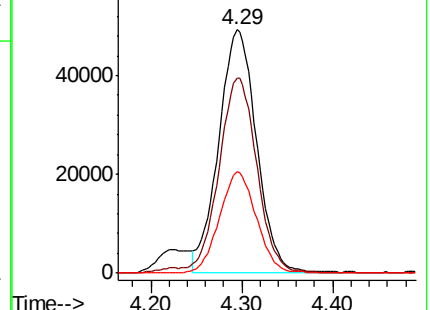
76 40.8 33.9 50.9

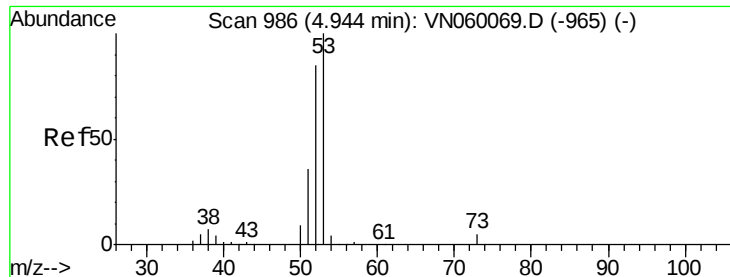


Abundance Ion 41.00 (40.70 to 41.70): VN060069.D (-770) (-)

Ion 39.00 (38.70 to 39.70): VN060069.D (-770) (-)

Ion 75.90 (75.60 to 76.60): VN060069.D (-770) (-)





#15

Acrylonitrile

Concen: 267.865 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

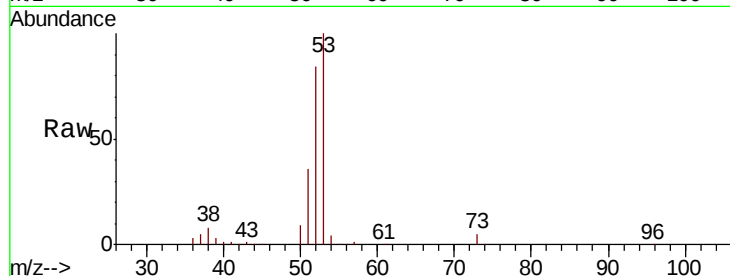
Tot Ion: 53 Resp: 248030

Ion Ratio Lower Upper

53 100

52 84.2 66.8 100.2

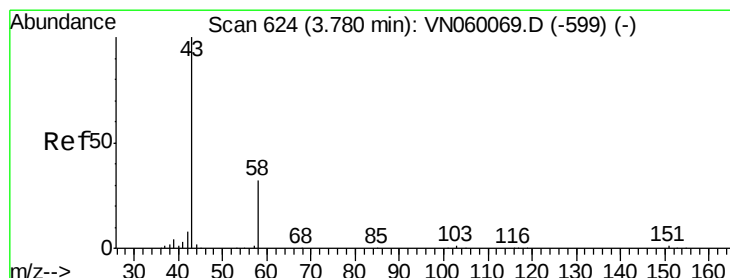
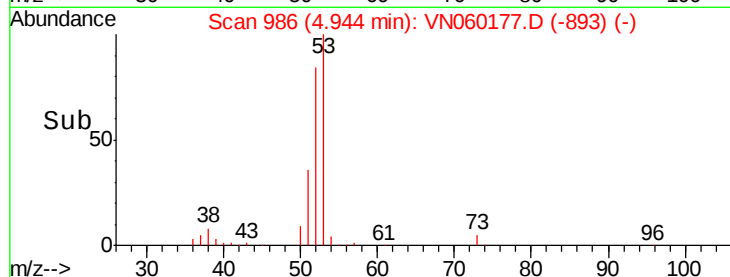
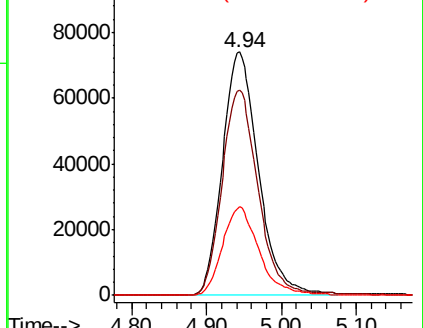
51 36.7 29.4 44.0



Abundance Ion 53.00 (52.70 to 53.70): VN060177.D (-965) (-)

Ion 52.00 (51.70 to 52.70): VN060177.D (-965) (-)

Ion 51.00 (50.70 to 51.70): VN060177.D (-965) (-)



#16

Acetone

Concen: 225.392 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060177.D

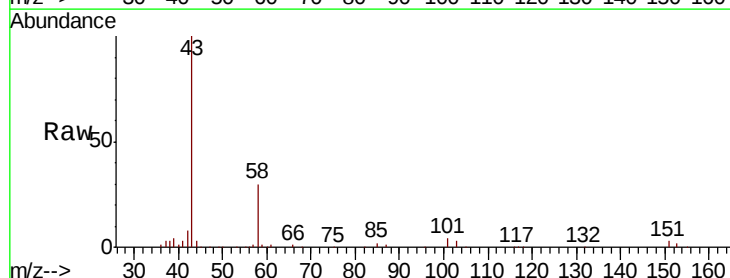
Acq: 20 Feb 2020 17:14

Tgt Ion: 43 Resp: 249101

Ion Ratio Lower Upper

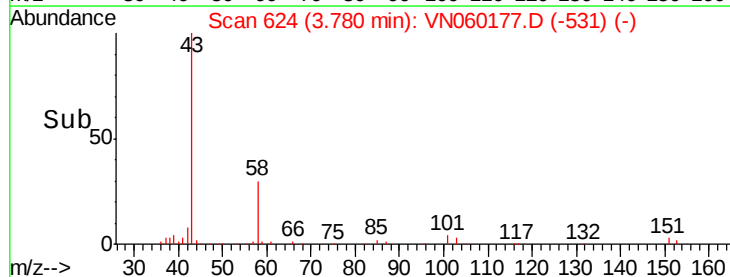
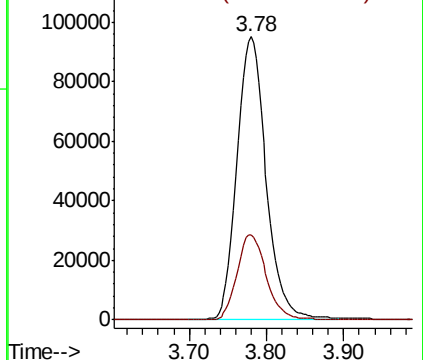
43 100

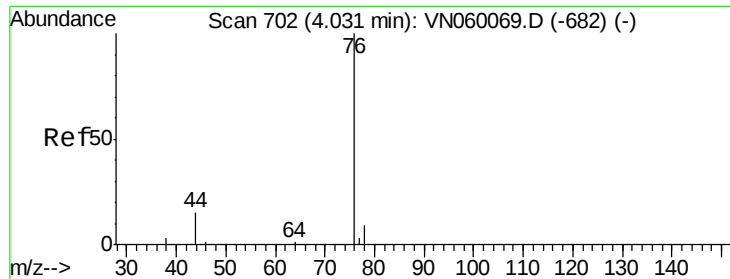
58 30.2 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN060177.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN060177.D (-599) (-)

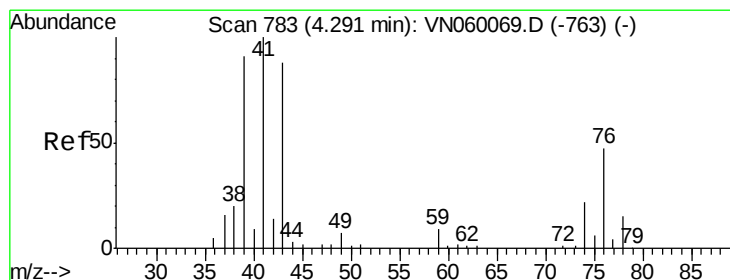
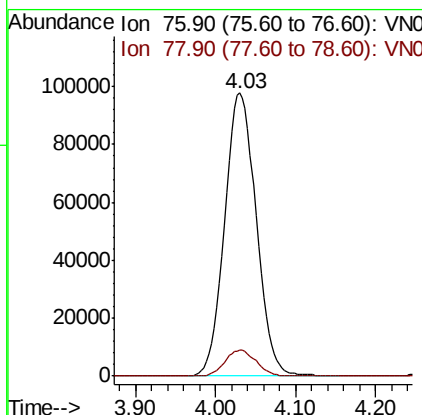
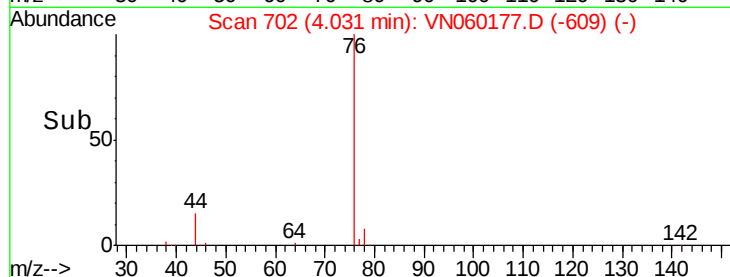
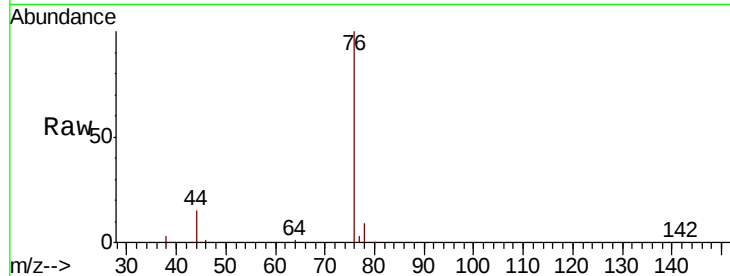




#17
Carbon Disulfide
Concen: 44.321 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

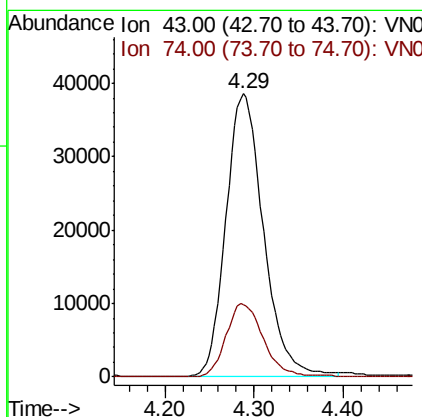
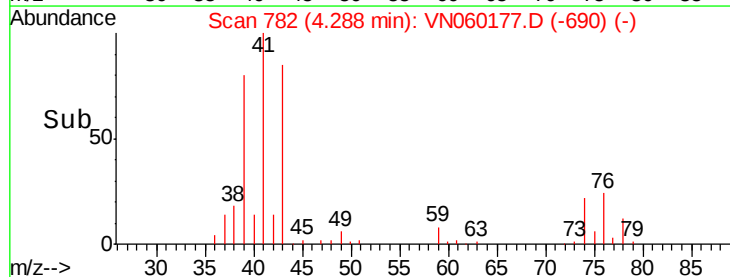
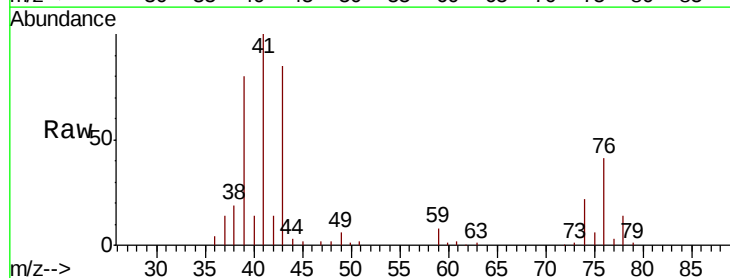
Instrument :
MSVOA_N
ClientSampled :

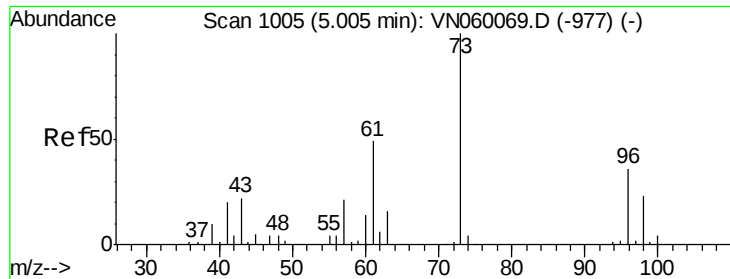
Tot Ion: 76 Resp: 262993
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 54.397 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion: 43 Resp: 112933
Ion Ratio Lower Upper
43 100
74 25.5 20.3 30.5

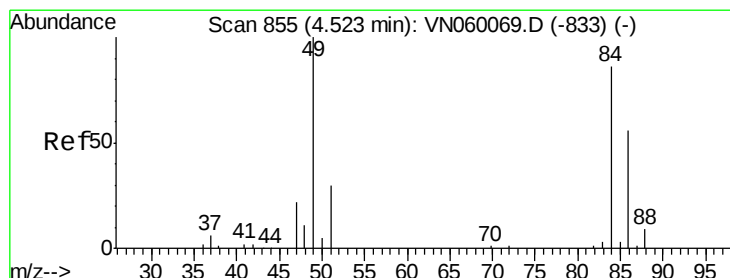
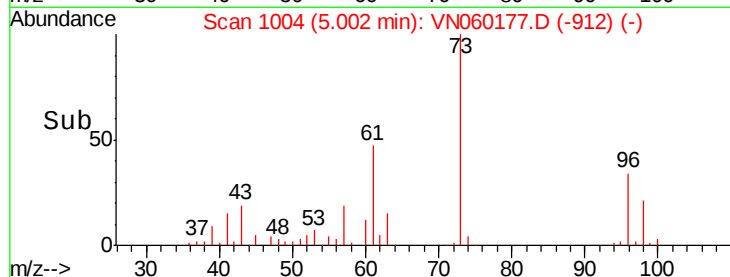
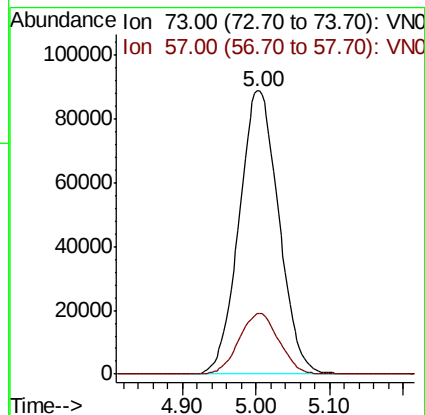
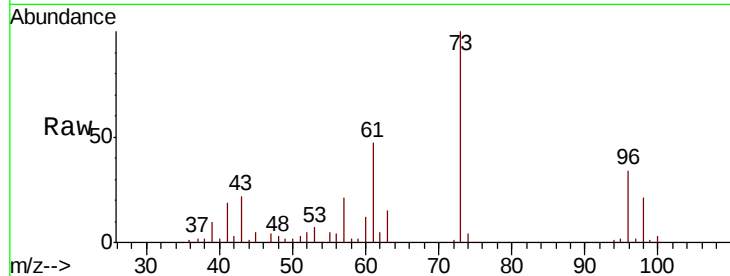




#19
Methvl tert-butvl Ether
Concen: 50.249 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

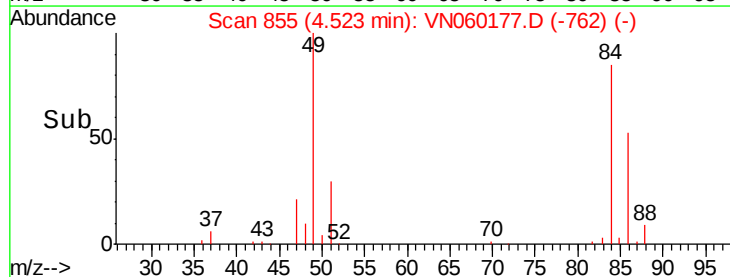
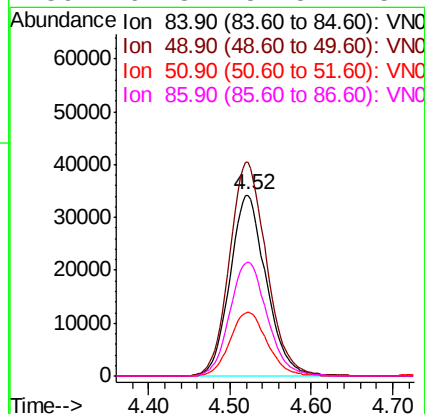
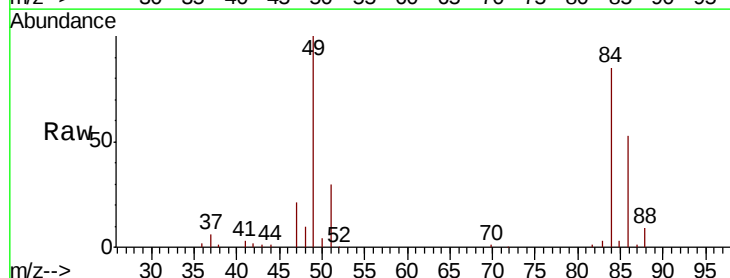
Instrument :
MSVOA_N
ClientSampleId :

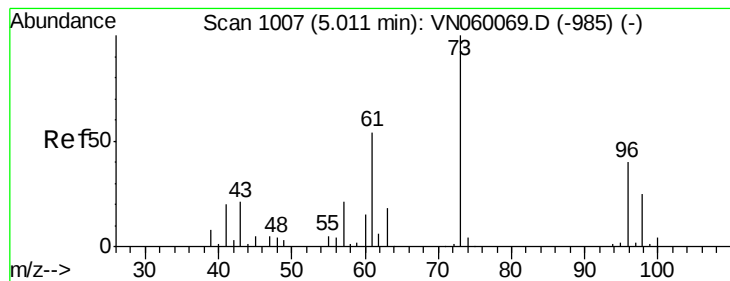
Tot Ion: 73 Resp: 332673
Ion Ratio Lower Upper
73 100
57 21.3 17.2 25.8



#20
Methylene Chloride
Concen: 48.200 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion: 84 Resp: 106277
Ion Ratio Lower Upper
84 100
49 118.1 93.4 140.0
51 35.2 28.4 42.6
86 62.8 52.5 78.7



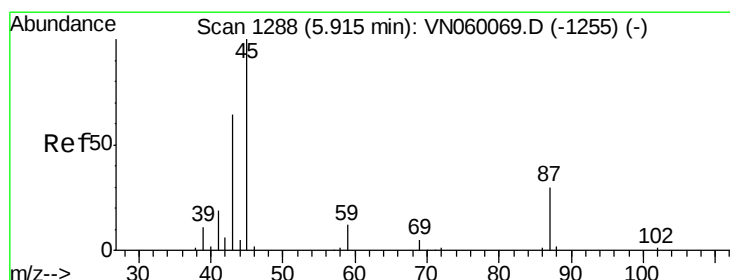
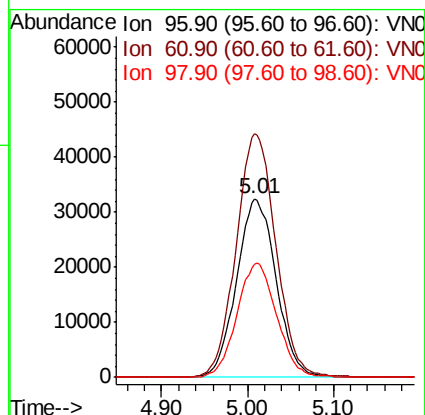
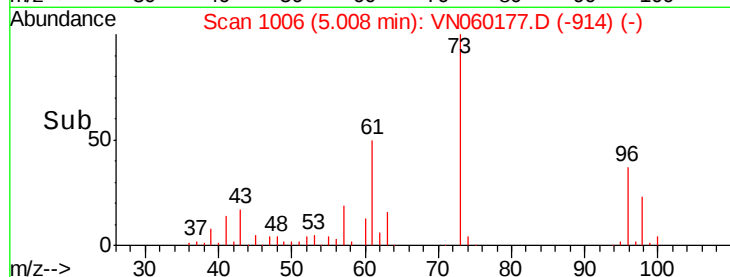
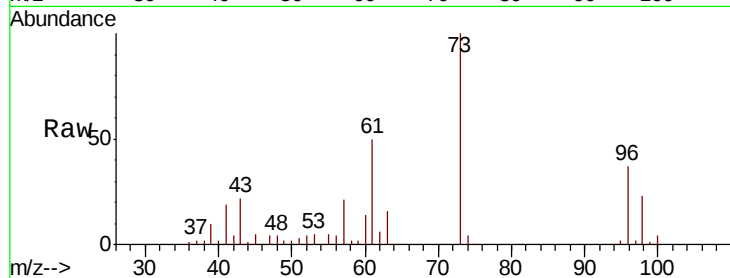


#21

trans-1,2-Dichloroethene
Concen: 48.372 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampleId :

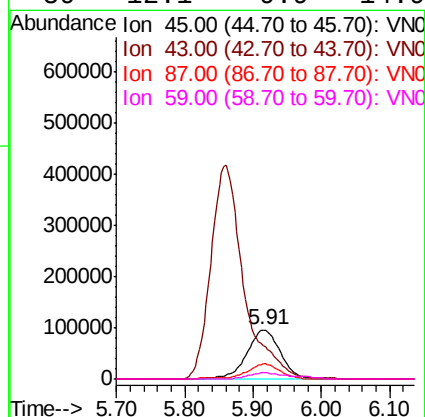
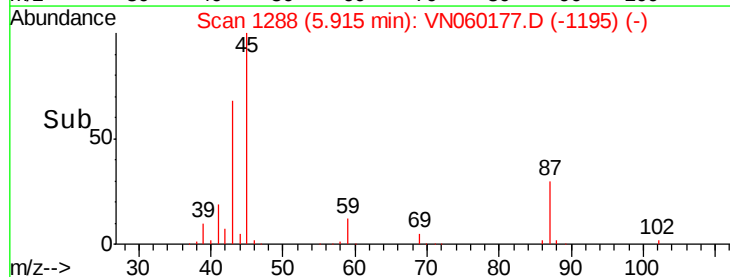
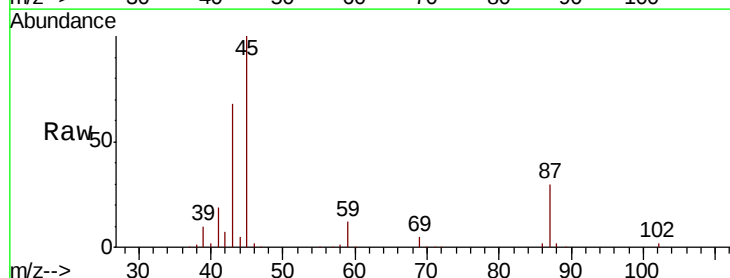
Tot Ion	Ratio	Lower	Upper
96	100		
61	136.0	109.3	163.9
98	63.3	51.0	76.6

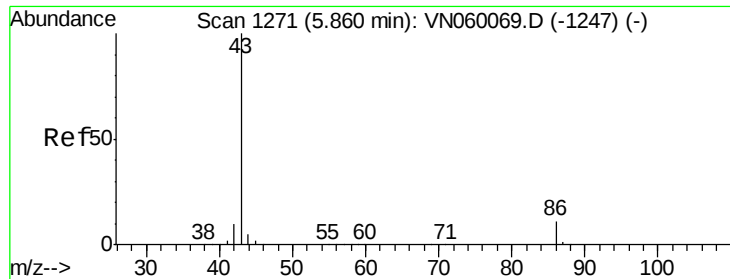


#22

Diisopropyl ether
Concen: 51.450 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.3	55.9	83.9
87	30.4	24.5	36.7
59	12.1	9.9	14.9





#23

Vinyl Acetate

Concen: 262.898 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

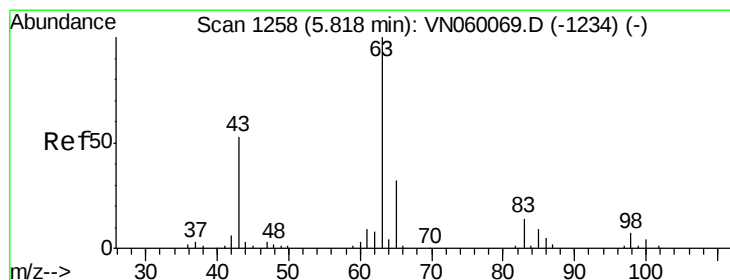
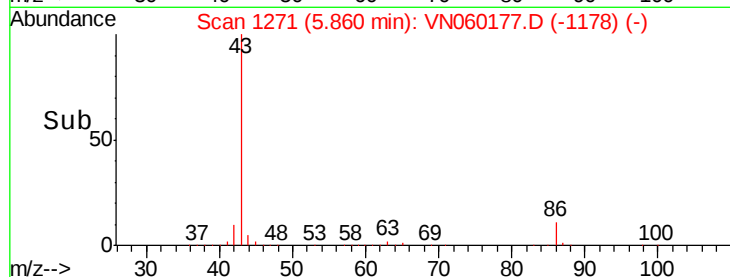
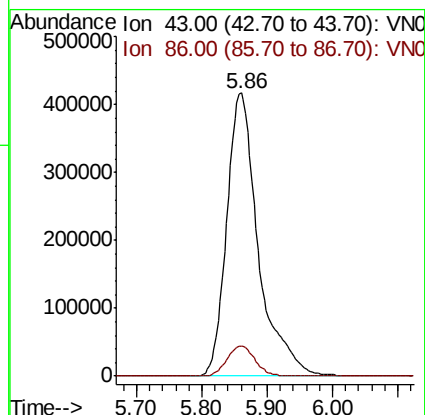
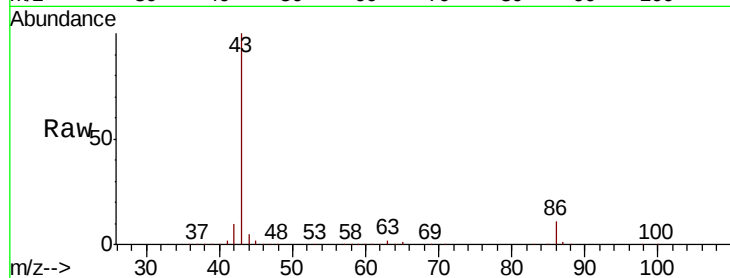
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1401975

Ion Ratio Lower Upper

43 100

86 10.6 8.9 13.3



#24

1,1-Dichloroethane

Concen: 48.943 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

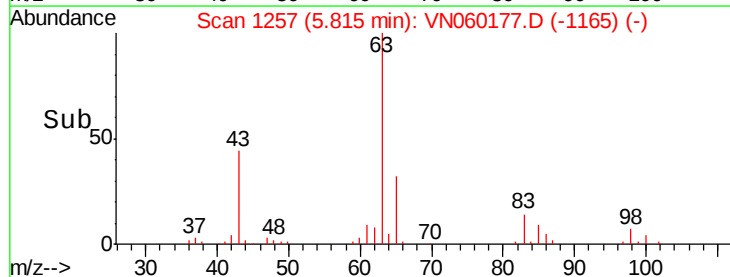
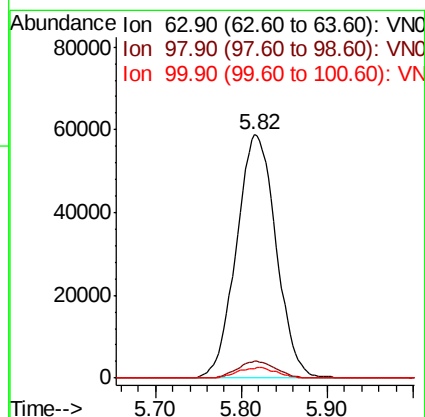
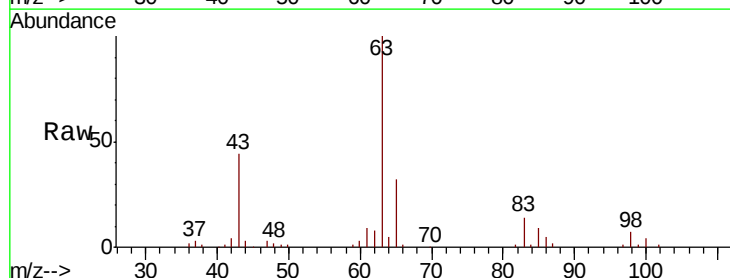
Tgt Ion: 63 Resp: 188279

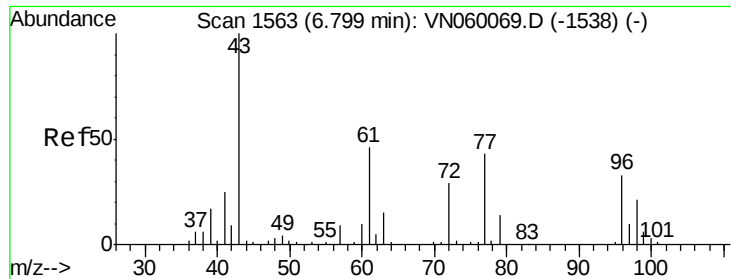
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.1 2.2 6.6





#25

2-Butanone

Concen: 253.322 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

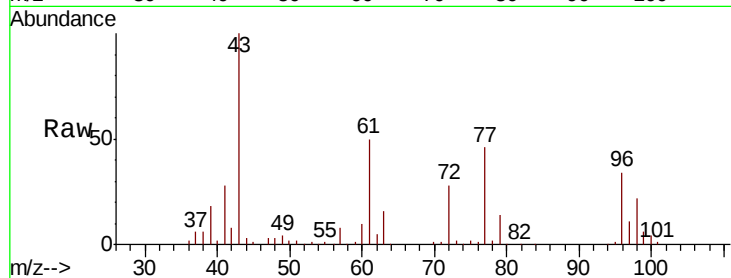
ClientSampleId :

Tot Ion: 43 Resp: 352111

Ion Ratio Lower Upper

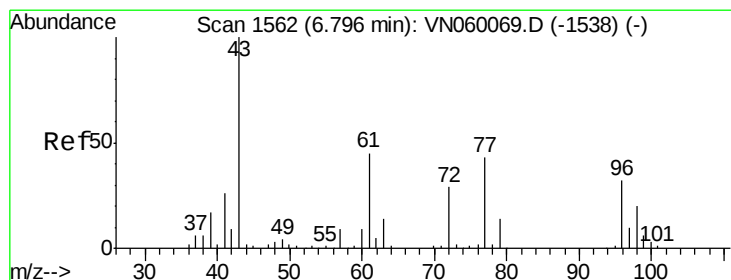
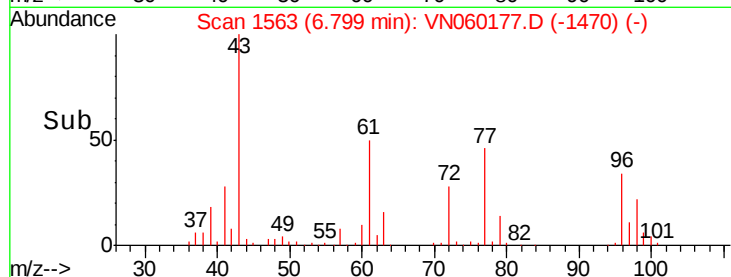
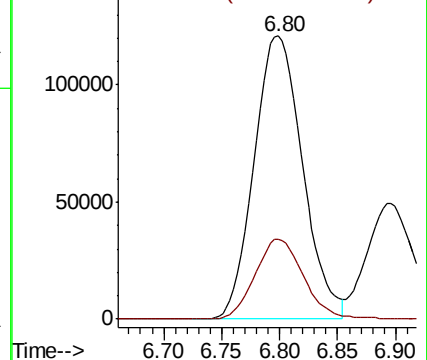
43 100

72 28.3 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 49.777 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060177.D

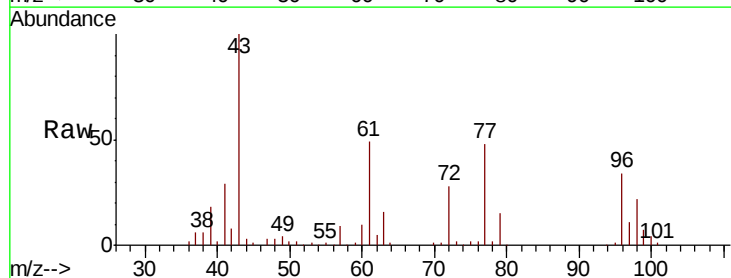
Acq: 20 Feb 2020 17:14

Tgt Ion: 77 Resp: 181879

Ion Ratio Lower Upper

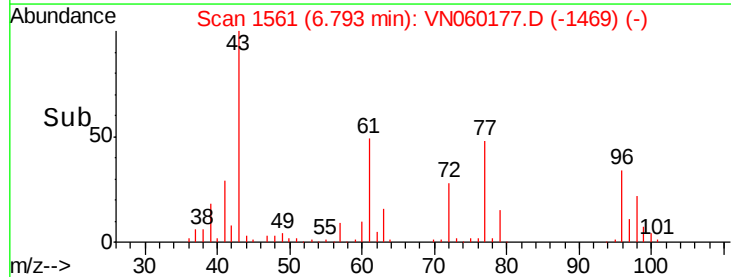
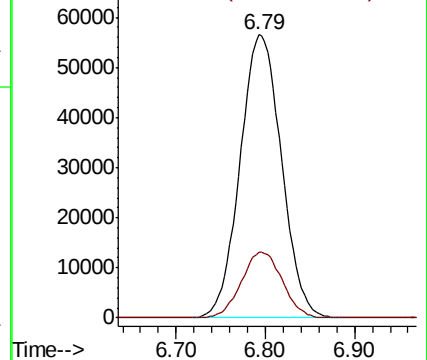
77 100

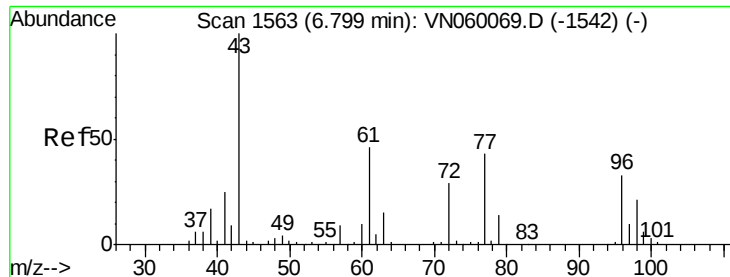
97 22.9 11.4 34.2



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: 48.442 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampled :

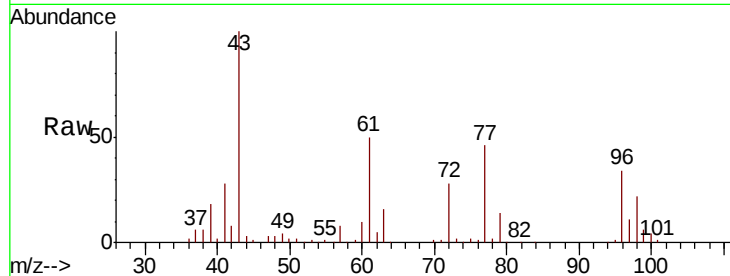
Tot Ion: 96 Resp: 121662

Ion Ratio Lower Upper

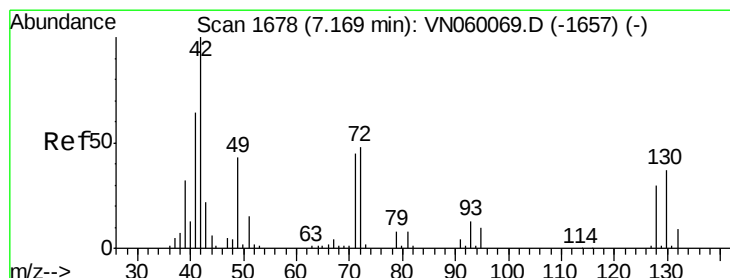
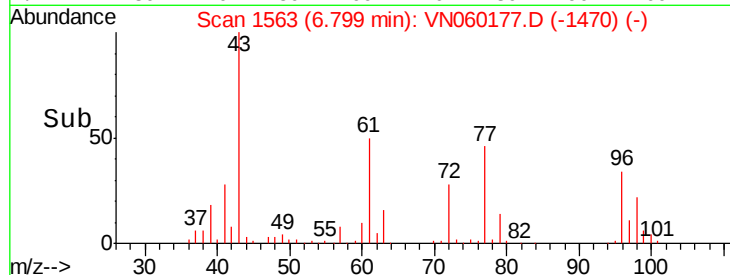
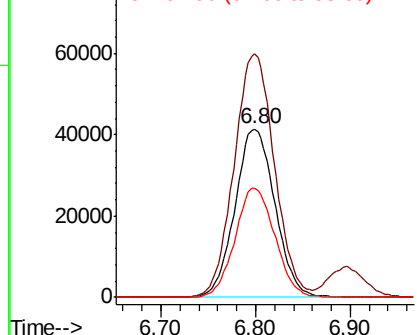
96 100

61 146.0 0.0 285.8

98 64.6 0.0 129.6



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: 49.570 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

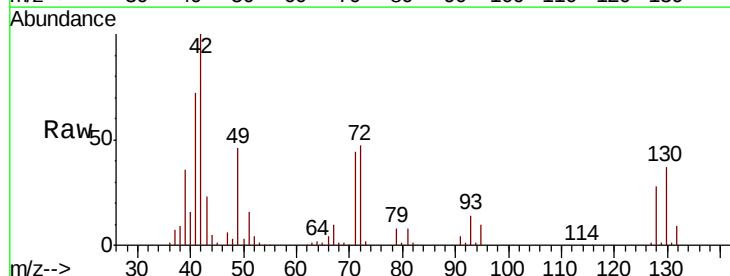
Tgt Ion: 49 Resp: 74968

Ion Ratio Lower Upper

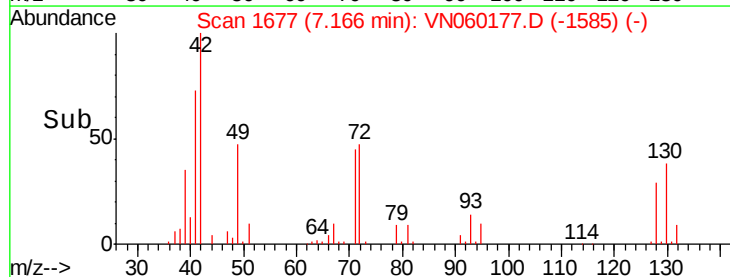
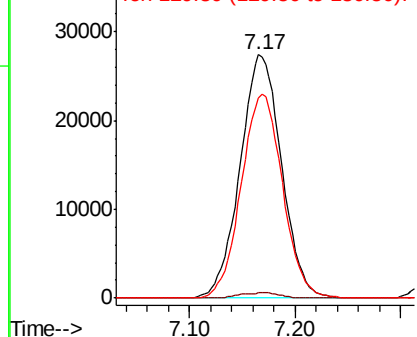
49 100

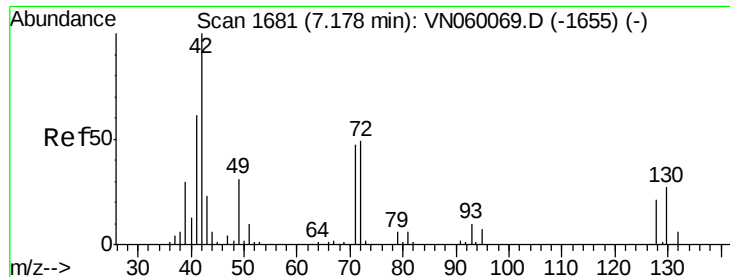
129 2.1 0.0 2.2

130 83.6 66.8 100.2



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

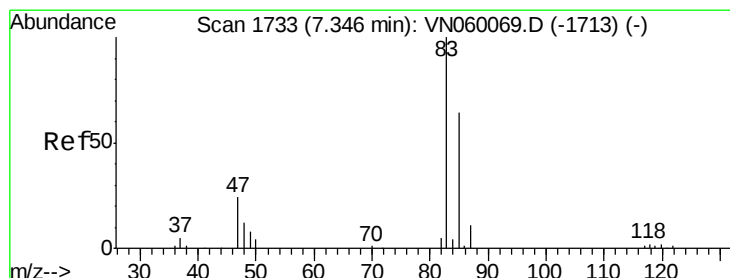
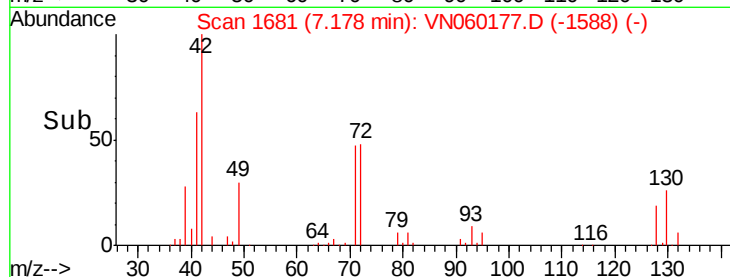
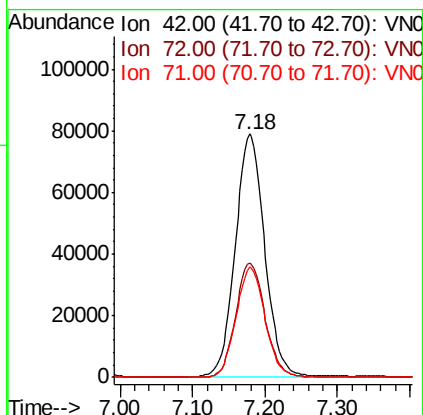
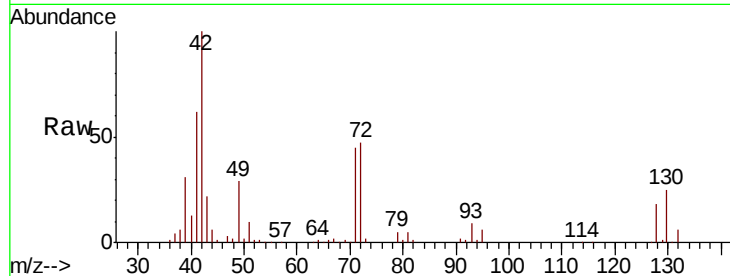




#29
Tetrahydrofuran
Concen: 263.120 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

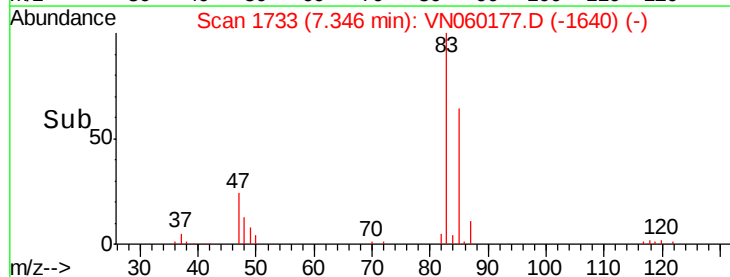
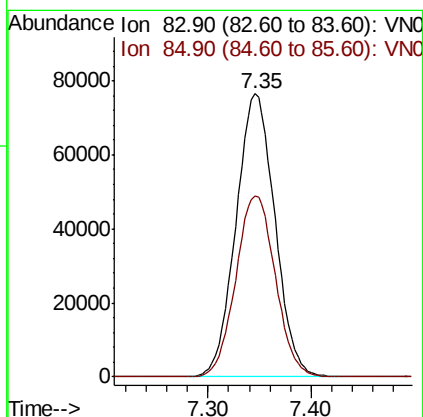
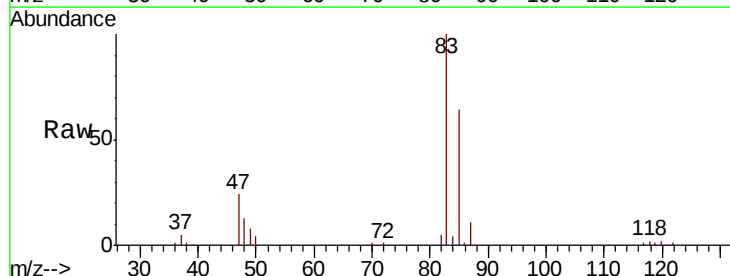
Instrument :
MSVOA_N
ClientSampled :

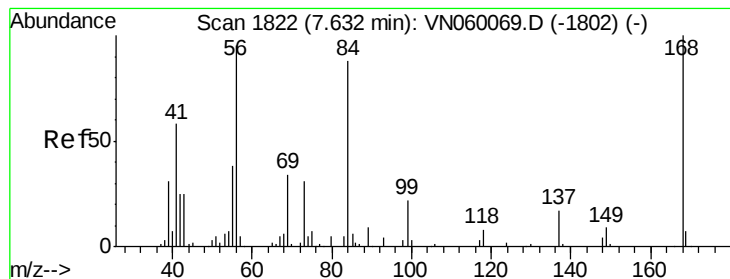
Tot Ion: 42 Resp: 224368
Ion Ratio Lower Upper
42 100
72 46.5 38.2 57.4
71 44.2 36.6 54.8



#30
Chloroform
Concen: 49.784 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion: 83 Resp: 200617
Ion Ratio Lower Upper
83 100
85 63.8 51.4 77.0





#31

Cyclohexane

Concen: 46.643 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

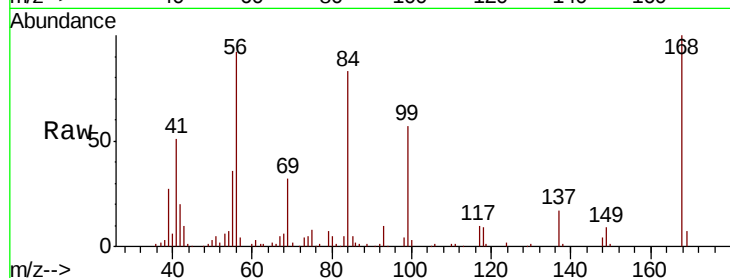
Tot Ion: 56 Resp: 167146

Ion Ratio Lower Upper

56 100

69 34.9 28.3 42.5

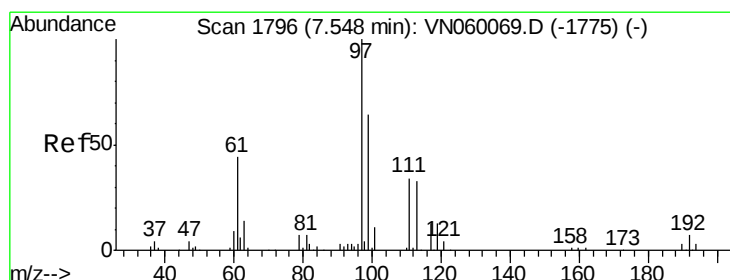
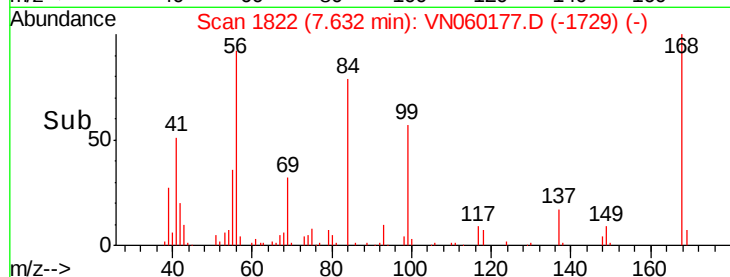
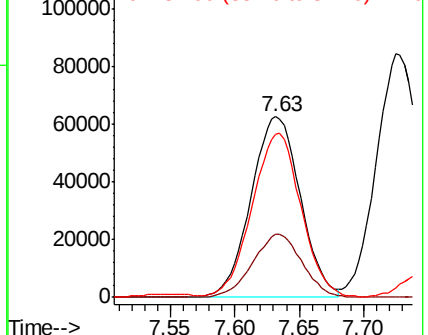
84 89.2 72.6 108.8



Abundance Ion 56.00 (55.70 to 56.70): VN060177.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060177.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060177.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 49.839 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

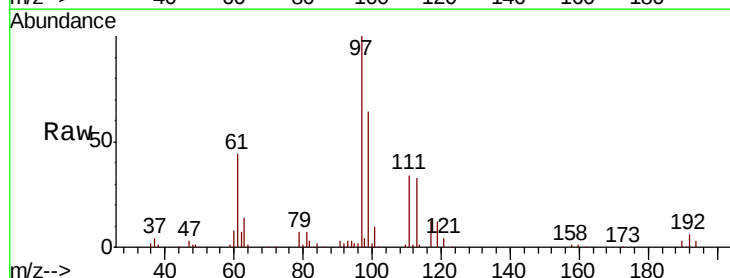
Tgt Ion: 97 Resp: 183534

Ion Ratio Lower Upper

97 100

99 64.0 51.4 77.0

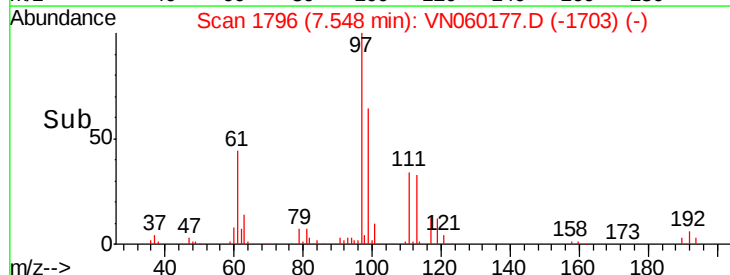
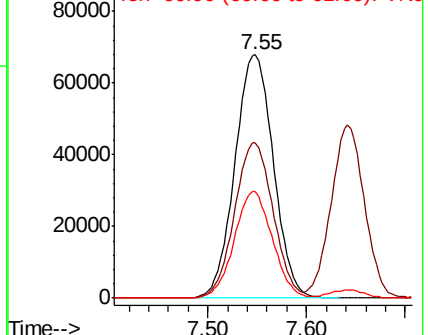
61 43.4 34.9 52.3

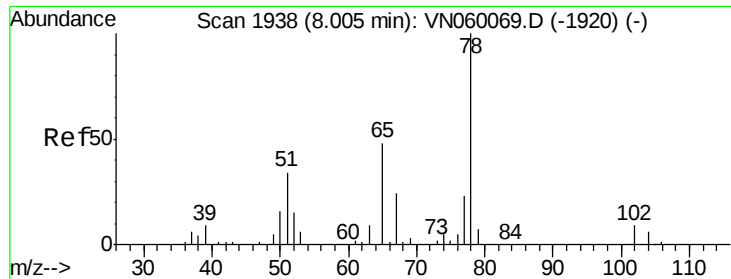


Abundance Ion 96.90 (96.60 to 97.60): VN060177.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060177.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060177.D (-1703) (-)

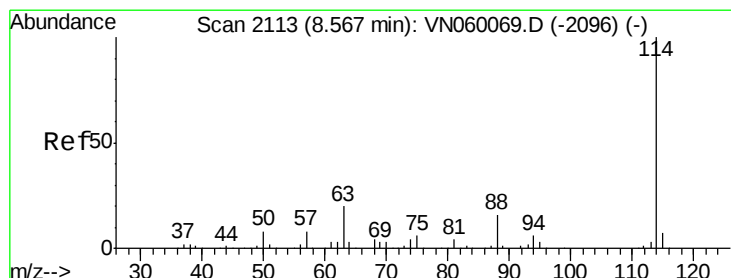
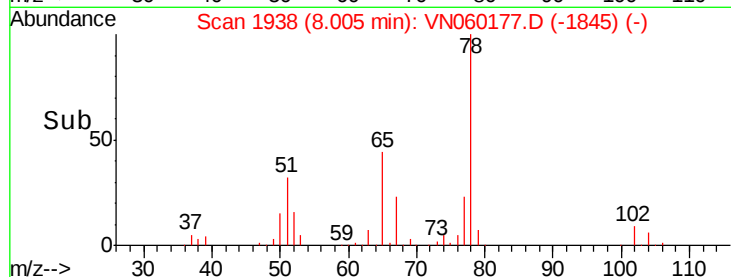
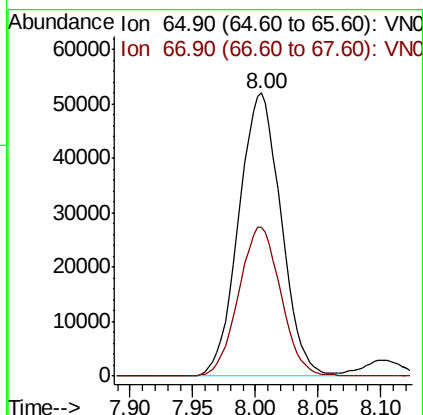
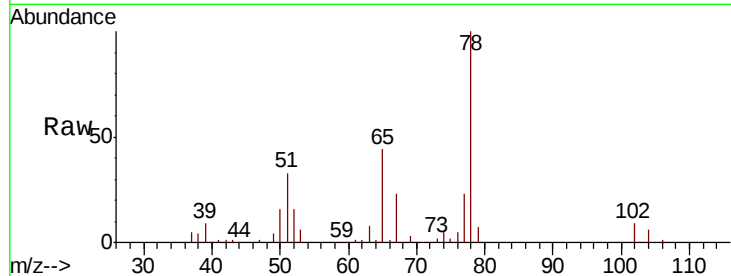




#33
 1,2-Dichloroethane-d4
 Concen: 48.341 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

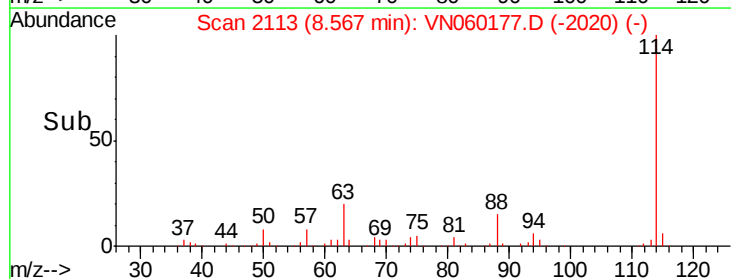
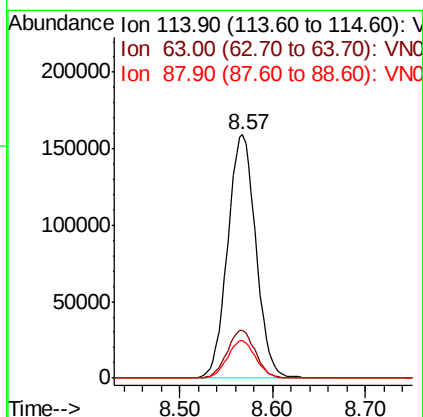
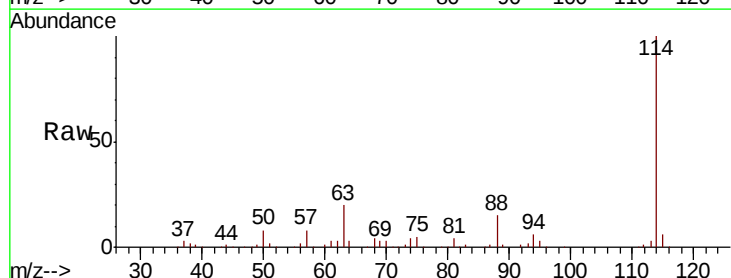
Instrument :
 MSVOA_N
 ClientSampleId :

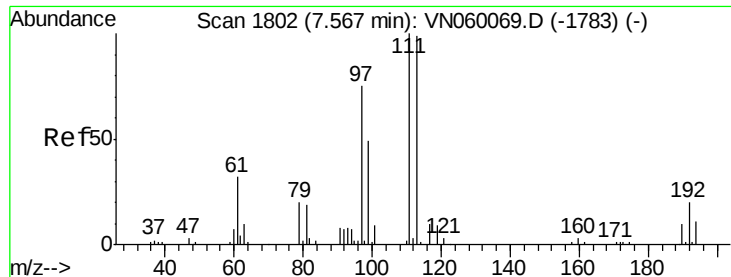
Tot Ion: 65 Resp: 122482
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Tgt Ion: 114 Resp: 334784
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.2 0.0 31.6

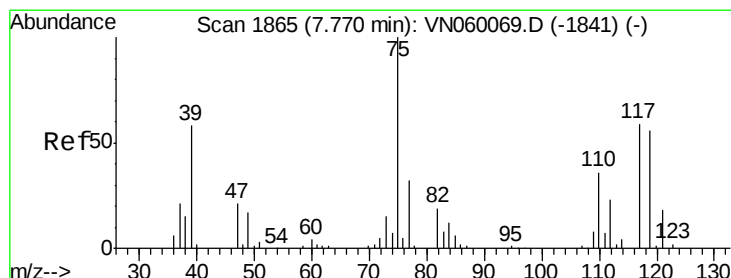
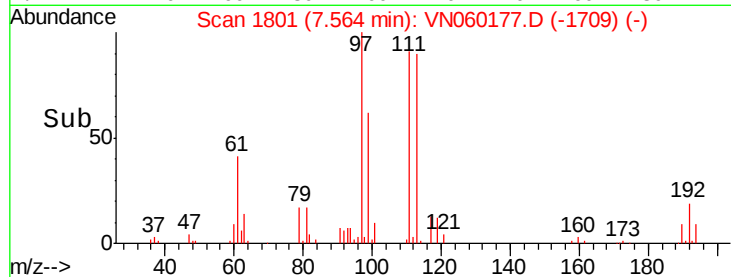
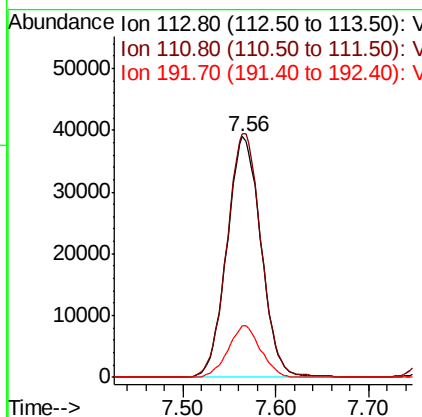
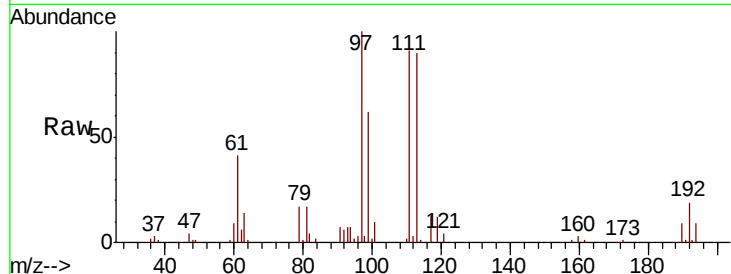




#35
 Dibromofluoromethane
 Concen: 48.108 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

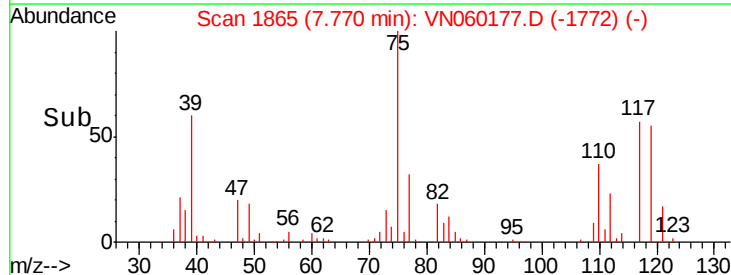
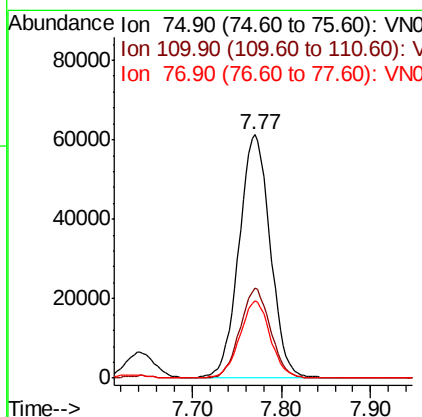
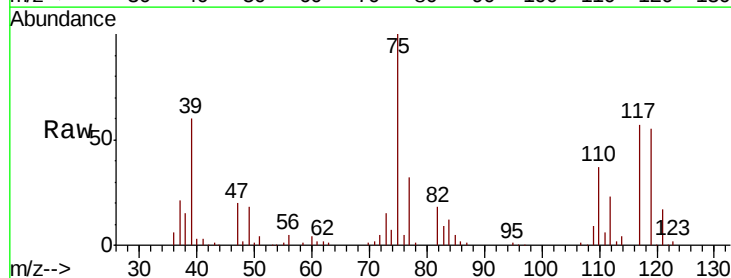
Instrument :
 MSVOA_N
 ClientSampleId :

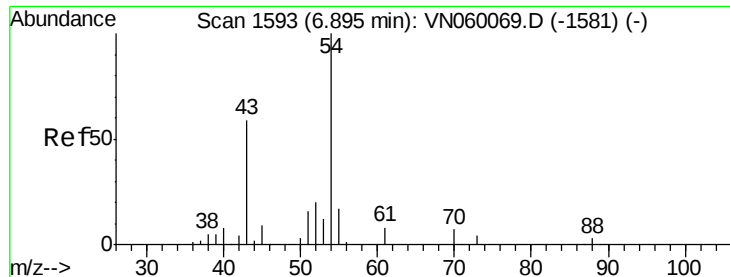
Tot Ion:113 Resp: 99002
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.4 122.2
 192 20.4 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 48.129 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Tgt Ion: 75 Resp: 149243
 Ion Ratio Lower Upper
 75 100
 110 35.7 18.1 54.3
 77 31.0 25.1 37.7

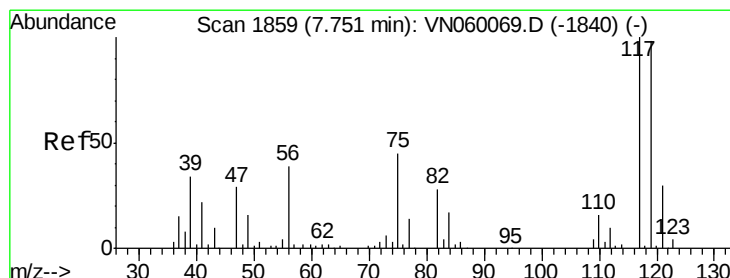
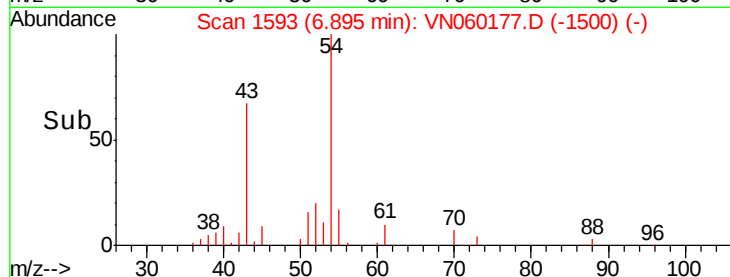
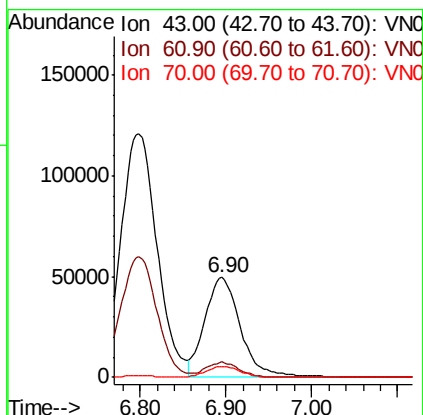
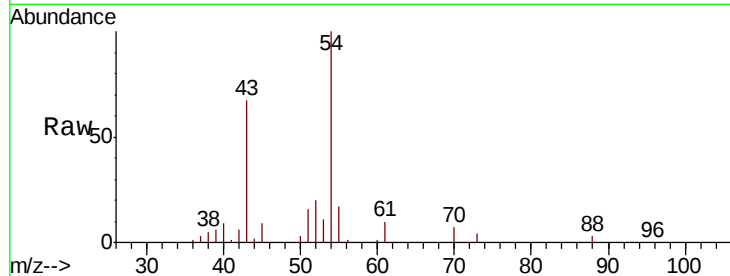




#37
Ethyl Acetate
Concen: 50.385 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

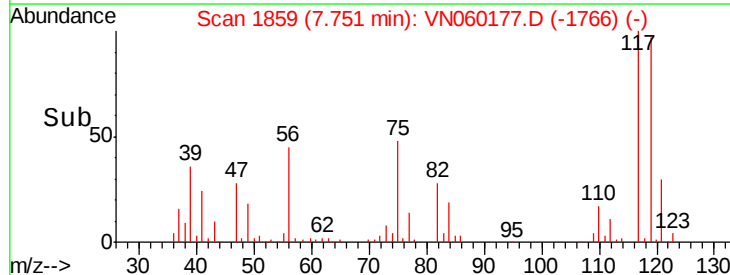
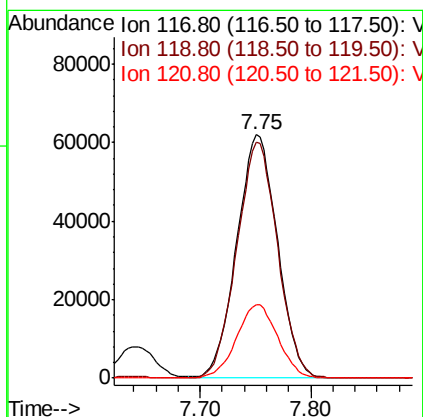
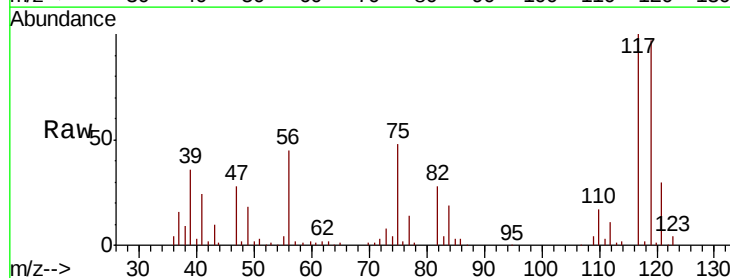
Instrument :
MSVOA_N
ClientSampleId :

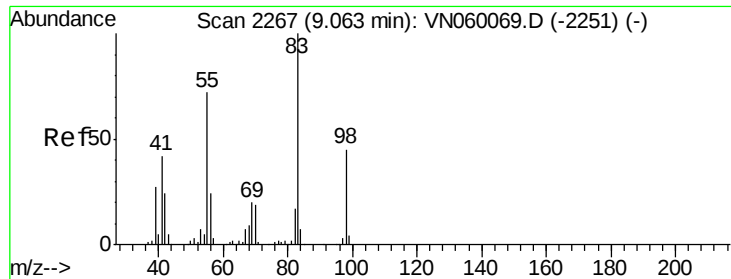
Tot Ion: 43 Resp: 141204
Ion Ratio Lower Upper
43 100
61 14.7 11.4 17.2
70 10.8 8.7 13.1



#38
Carbon Tetrachloride
Concen: 47.077 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion: 117 Resp: 158543
Ion Ratio Lower Upper
117 100
119 97.0 78.2 117.4
121 30.2 24.2 36.2

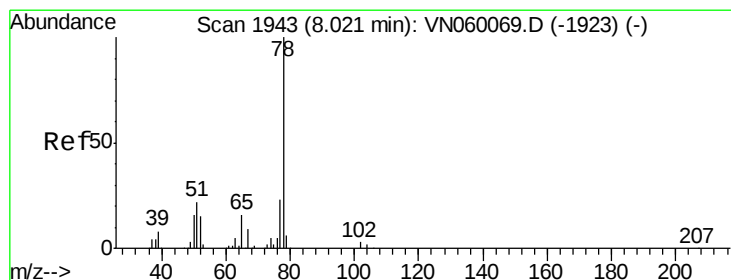
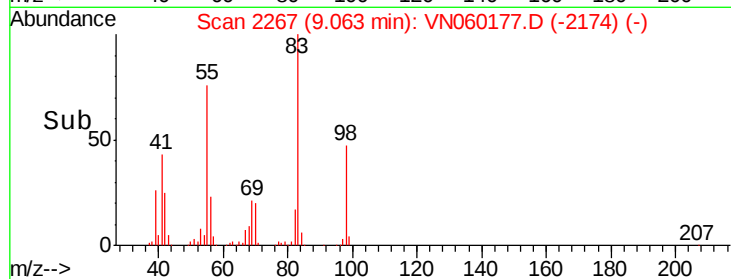
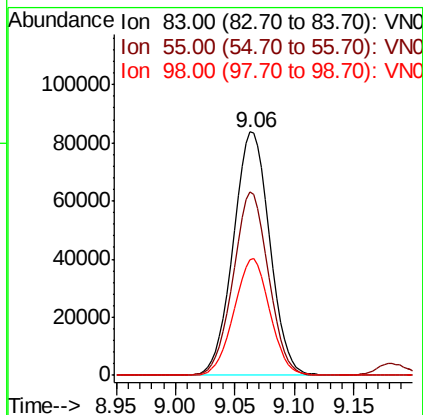
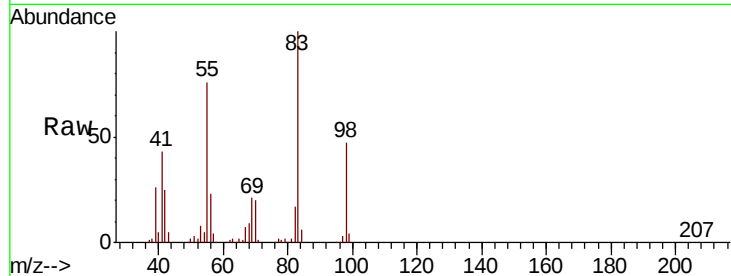




#39
Methvlcvclohexane
Concen: 46.274 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

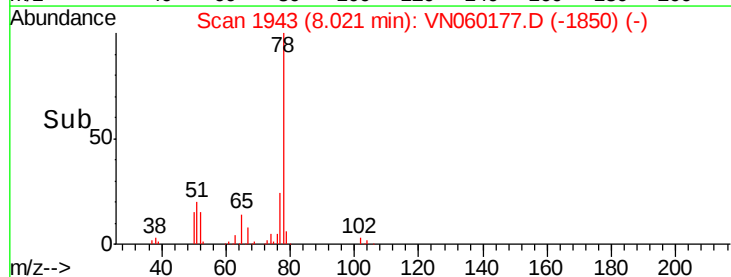
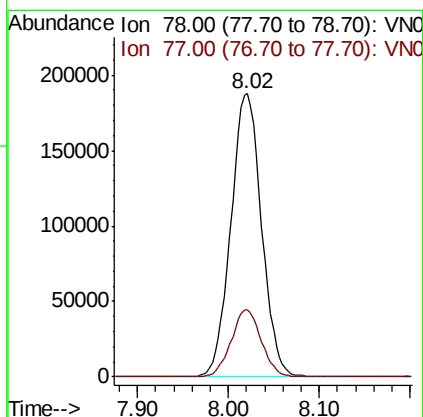
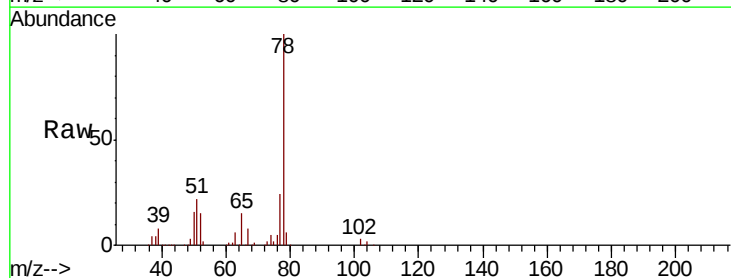
Instrument :
MSVOA_N
ClientSampleId :

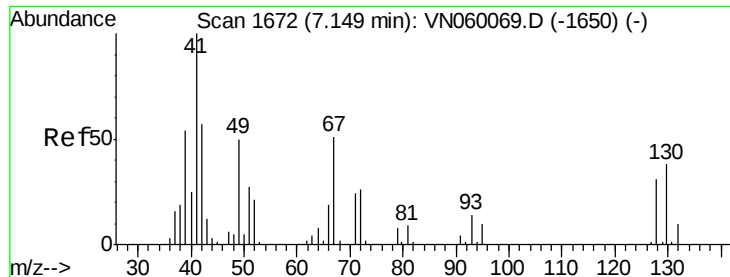
Tot Ion: 83 Resp: 178121
Ion Ratio Lower Upper
83 100
55 75.6 57.8 86.8
98 47.4 36.4 54.6



#40
Benzene
Concen: 47.745 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion: 78 Resp: 439181
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2

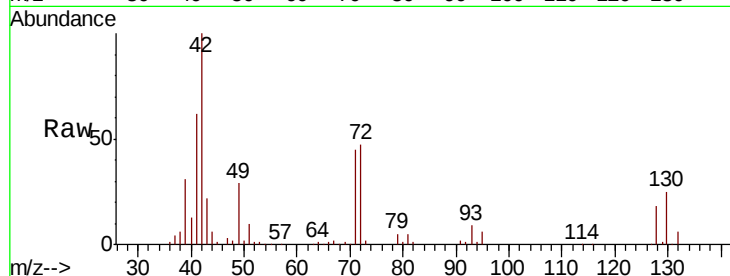




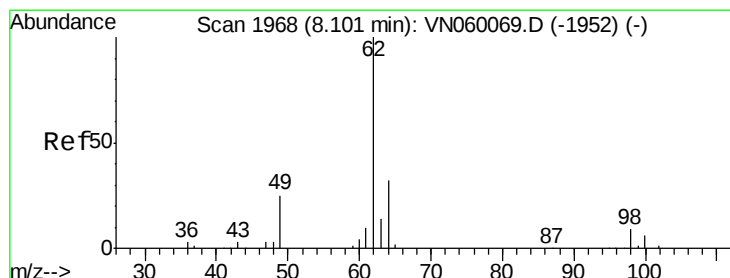
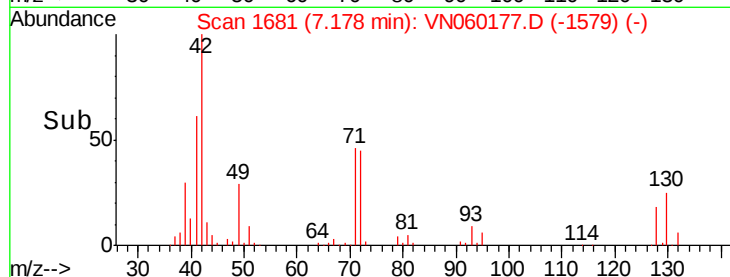
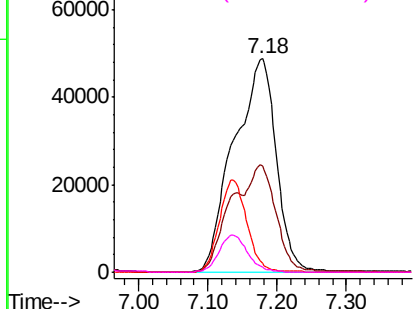
#41
Methacrylonitrile
Concen: 176.606 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	207563
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

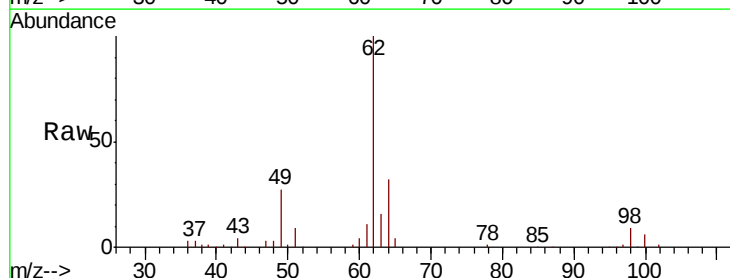


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

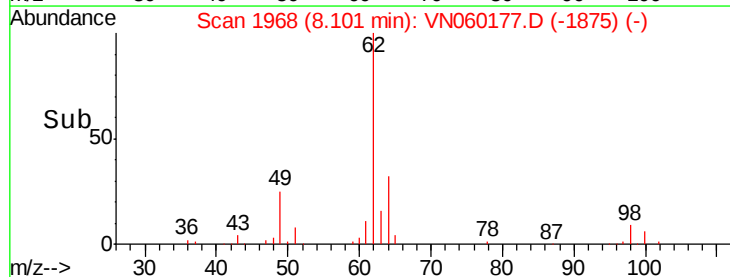
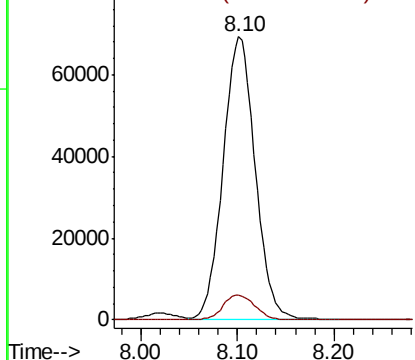


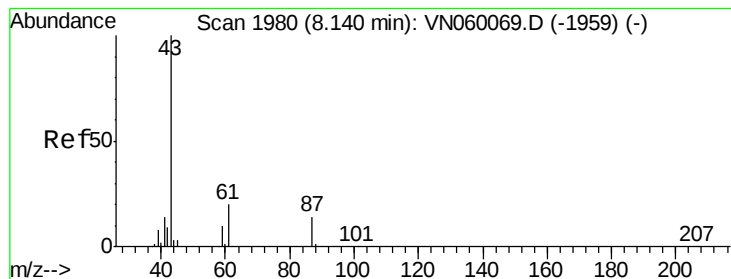
#42
1,2-Dichloroethane
Concen: 49.726 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion:	62	Resp:	160313
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.2



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





#43

Isopropyl Acetate

Concen: 51.168 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

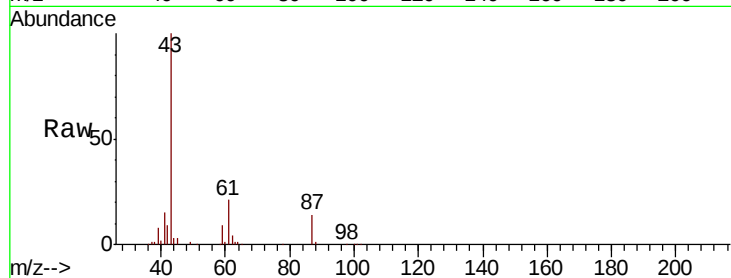
Tot Ion: 43 Resp: 245128

Ion Ratio Lower Upper

43 100

61 26.8 21.8 32.6

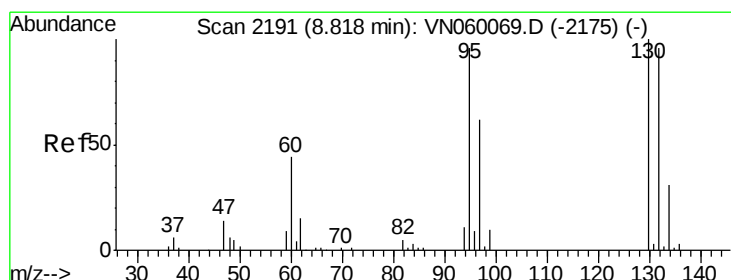
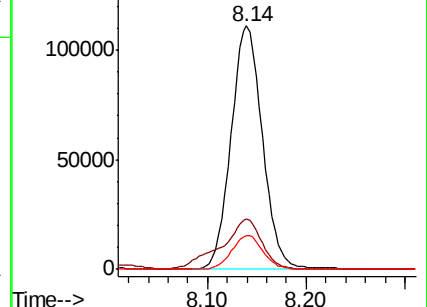
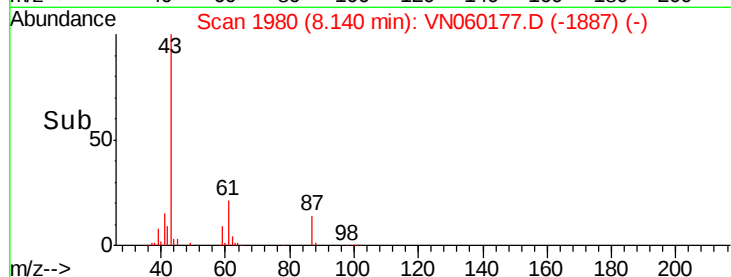
87 13.8 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN060177.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060177.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060177.D (-1959) (-)



#44

Trichloroethene

Concen: 46.463 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060177.D

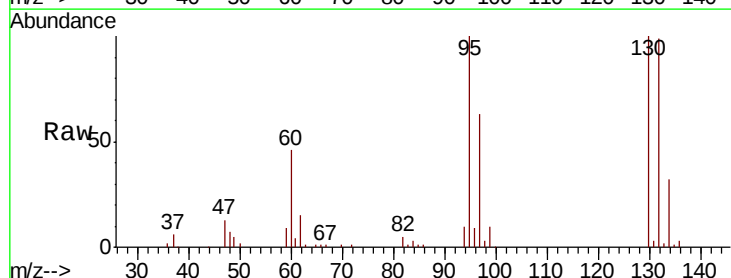
Acq: 20 Feb 2020 17:14

Tgt Ion:130 Resp: 118341

Ion Ratio Lower Upper

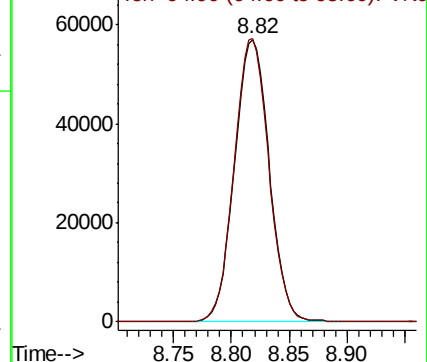
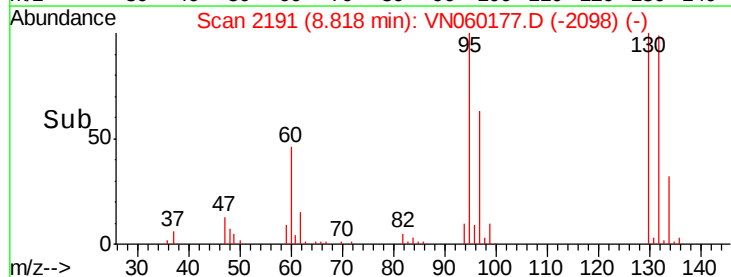
130 100

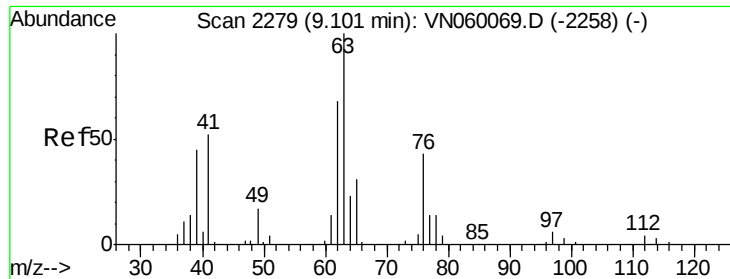
95 100.3 0.0 192.4



Abundance Ion 129.80 (129.50 to 130.50): VN060177.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060177.D (-2175) (-)

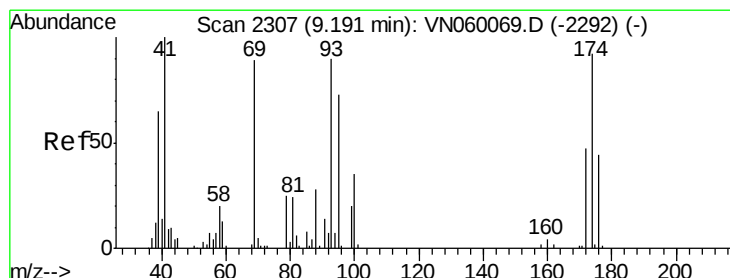
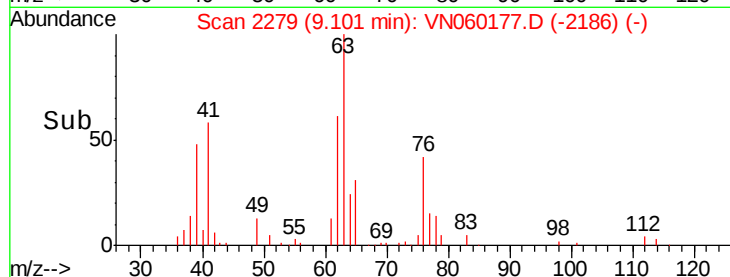
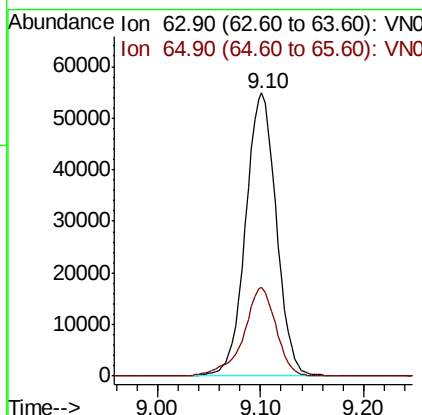
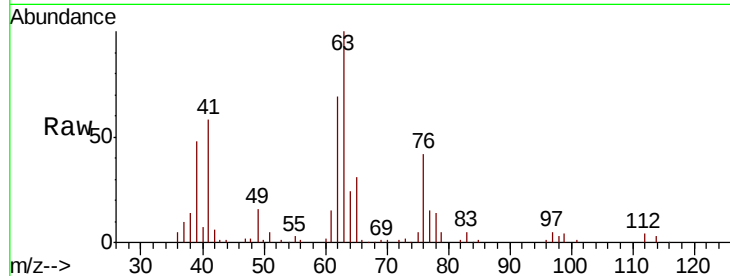




#45
 1,2-Dichloropropane
 Concen: 49.823 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

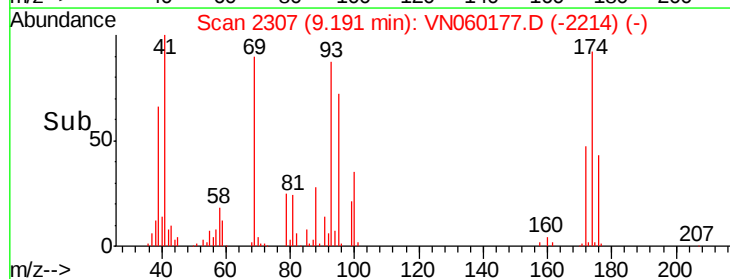
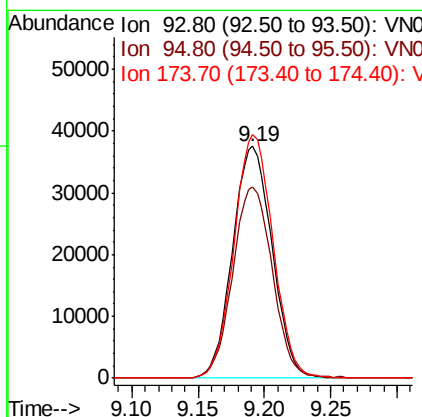
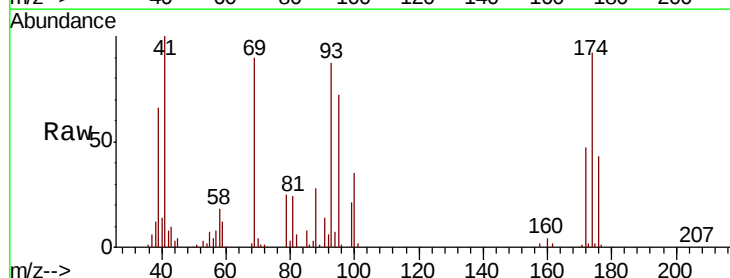
Instrument :
 MSVOA_N
 ClientSampleId :

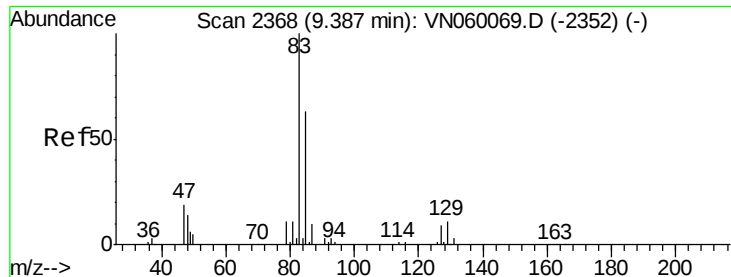
Tot Ion: 63 Resp: 113462
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.4



#46
 Dibromomethane
 Concen: 48.441 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Tgt Ion: 93 Resp: 77956
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.0 97.6
 174 103.7 82.3 123.5

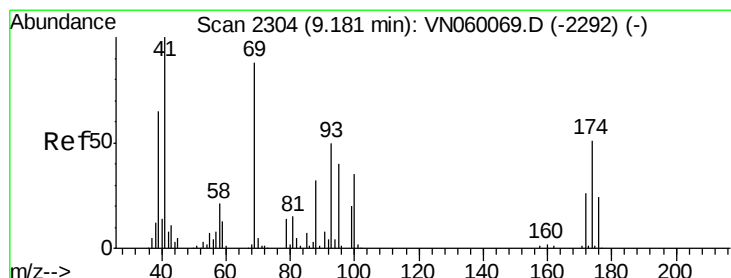
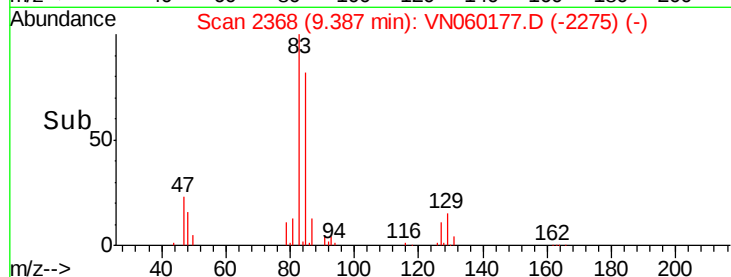
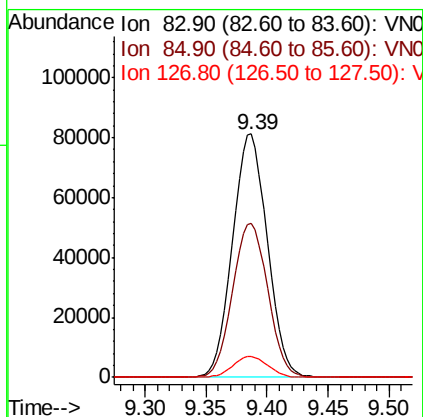
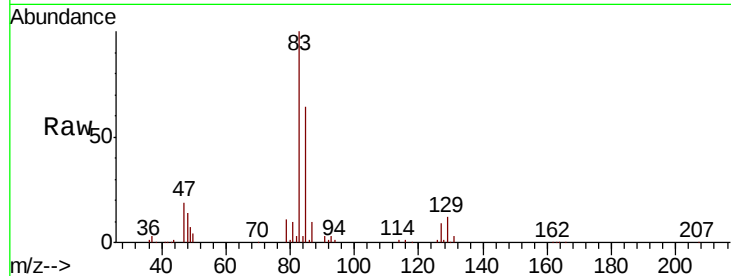




#47
Bromodichloromethane
Concen: 49.141 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

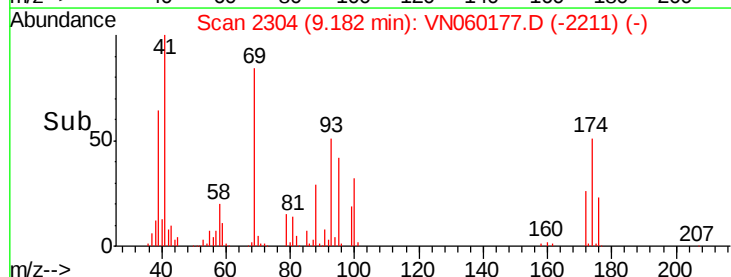
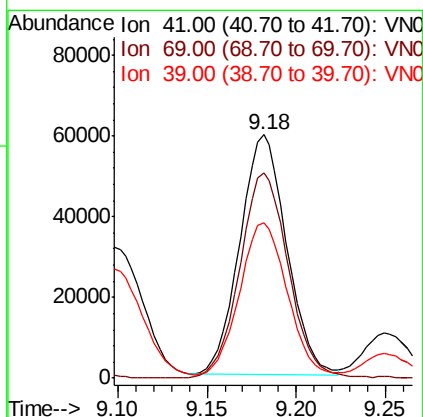
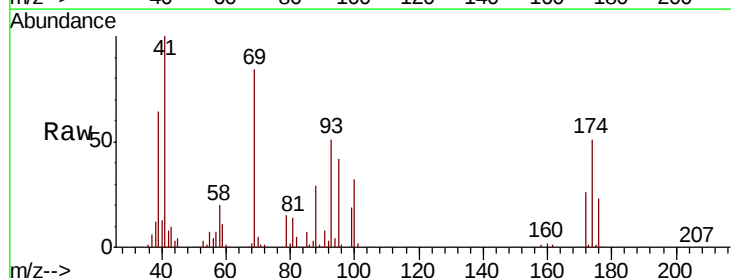
Instrument :
MSVOA_N
ClientSampled :

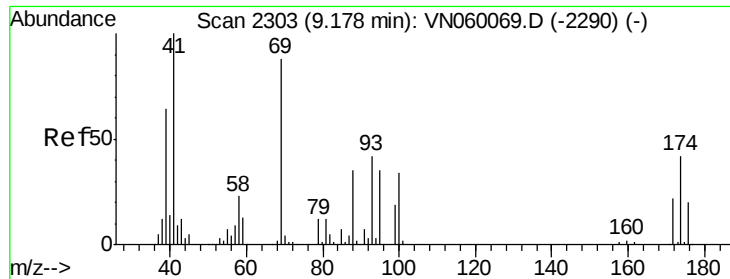
Tot Ion: 83 Resp: 160781
Ion Ratio Lower Upper
83 100
85 63.5 50.6 75.8
127 8.8 7.0 10.6



#48
Methyl methacrylate
Concen: 51.133 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion: 41 Resp: 109906
Ion Ratio Lower Upper
41 100
69 87.8 72.0 108.0
39 66.9 54.1 81.1





#49

1,4-Dioxane

Concen: 1029.008 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampled :

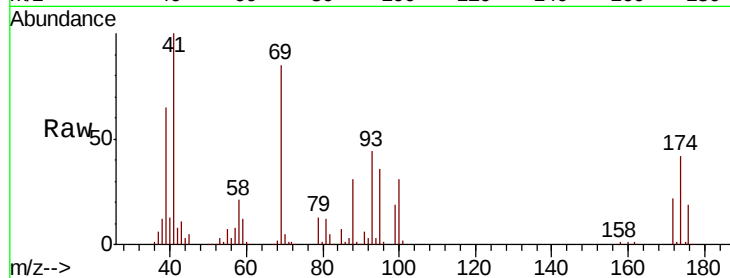
Tot Ion: 88 Resp: 37790

Ion Ratio Lower Upper

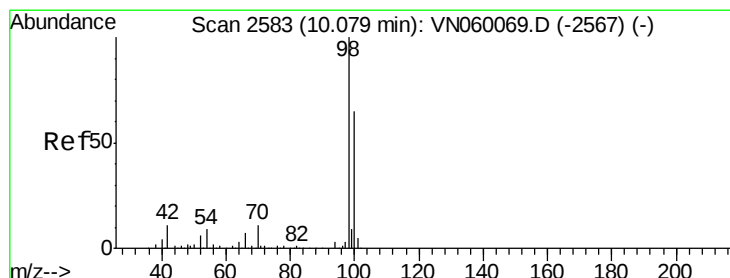
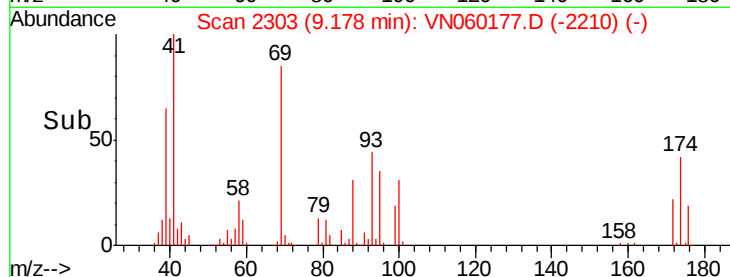
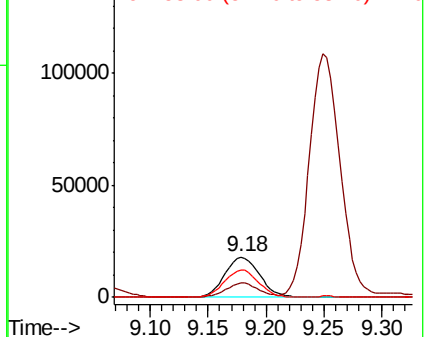
88 100

43 33.9 26.2 39.2

58 66.0 53.2 79.8



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: 46.898 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060177.D

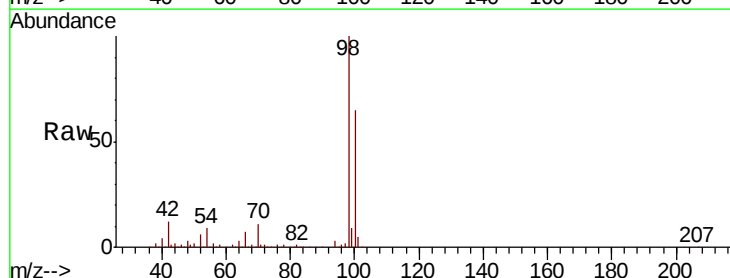
Acq: 20 Feb 2020 17:14

Tgt Ion: 98 Resp: 380059

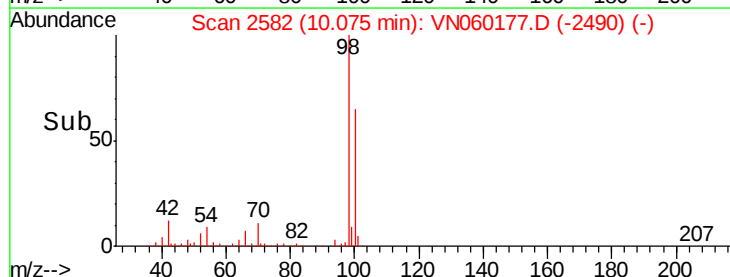
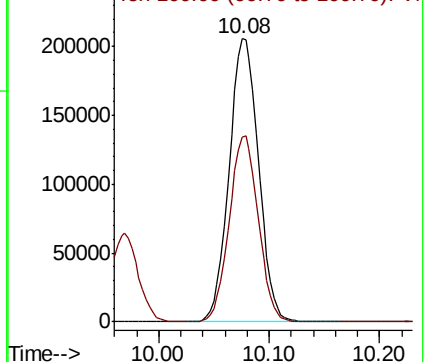
Ion Ratio Lower Upper

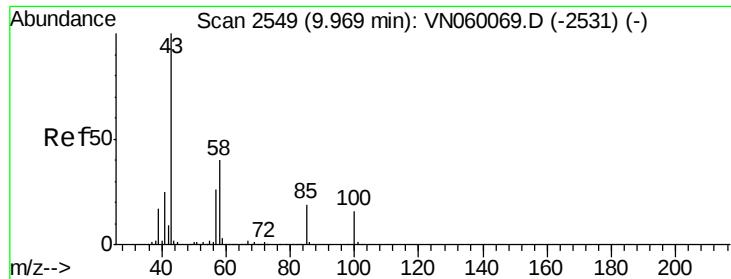
98 100

100 65.1 51.7 77.5



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: 262.085 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

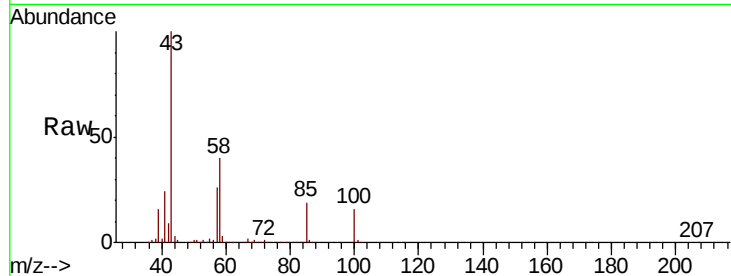
ClientSampled :

Tot Ion: 43 Resp: 726740

Ion Ratio Lower Upper

43 100

58 39.6 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN060177.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060177.D (-2531) (-)

9.97

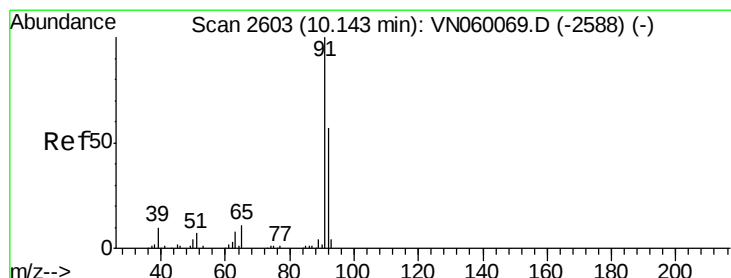
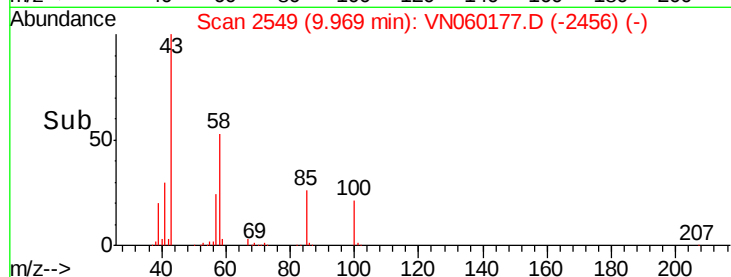
400000

300000

200000

100000

0



#52

Toluene

Concen: 47.907 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060177.D

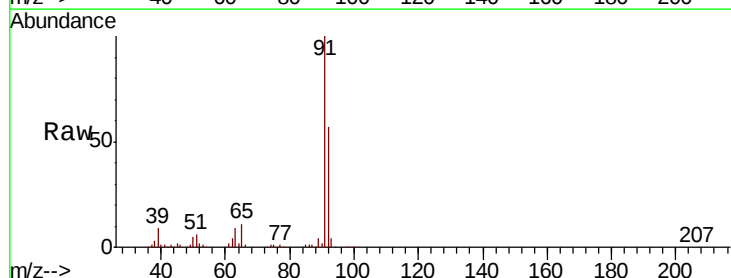
Acq: 20 Feb 2020 17:14

Tgt Ion: 92 Resp: 282585

Ion Ratio Lower Upper

92 100

91 175.1 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN060177.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN060177.D (-2588) (-)

10.14

300000

250000

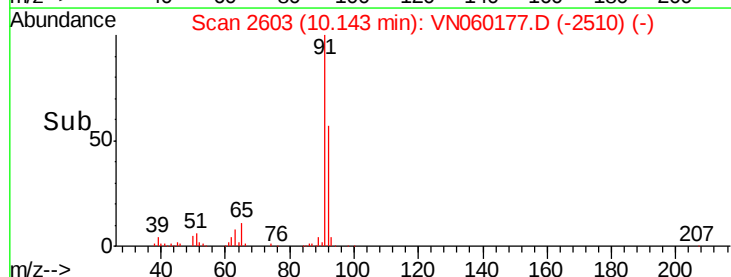
200000

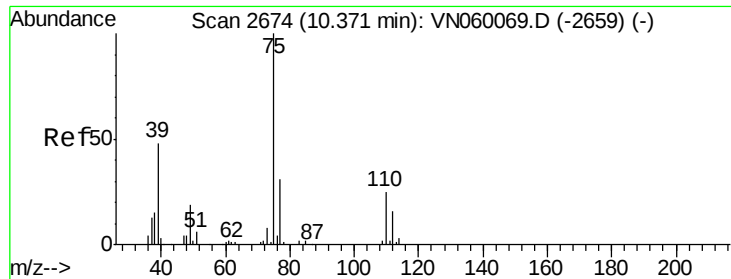
150000

100000

50000

0





#53

t-1,3-Dichloropropene

Concen: 50.426 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

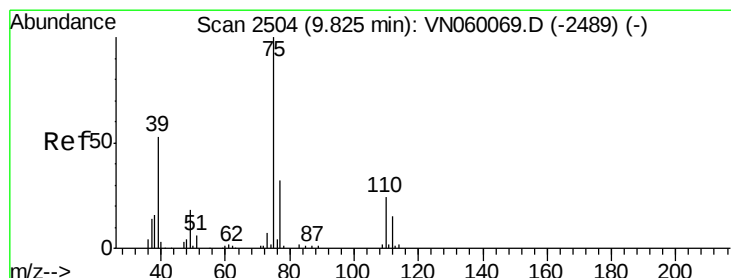
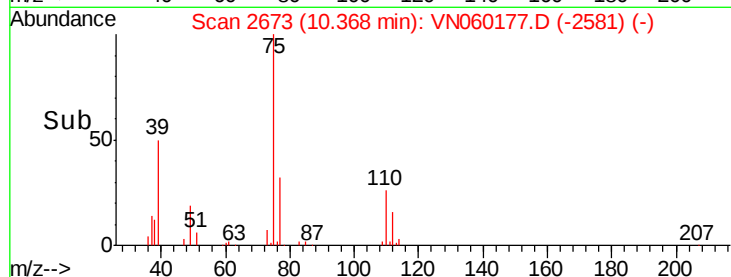
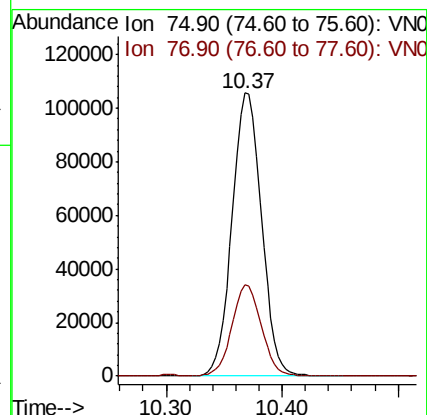
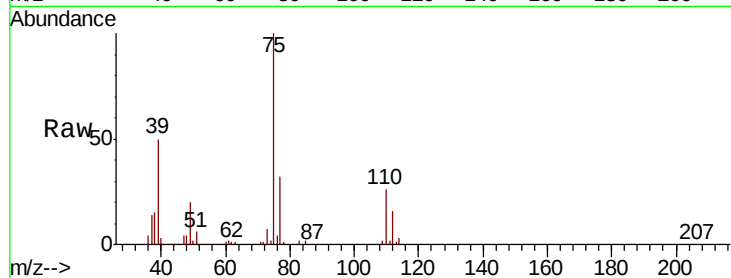
ClientSampled :

Tot Ion: 75 Resp: 186231

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 49.291 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

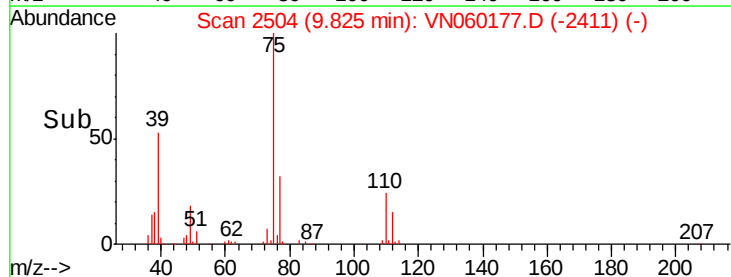
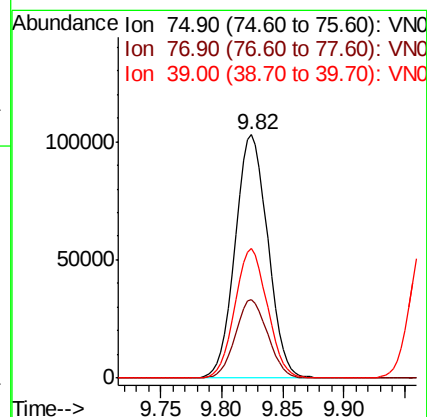
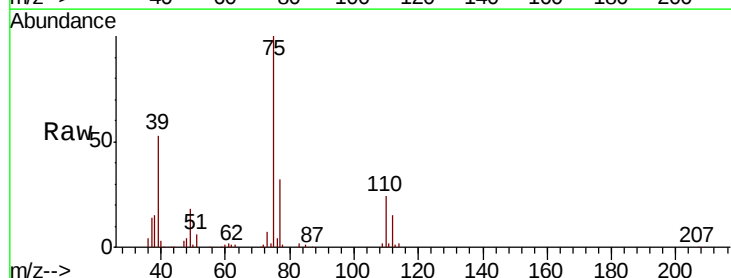
Tgt Ion: 75 Resp: 191689

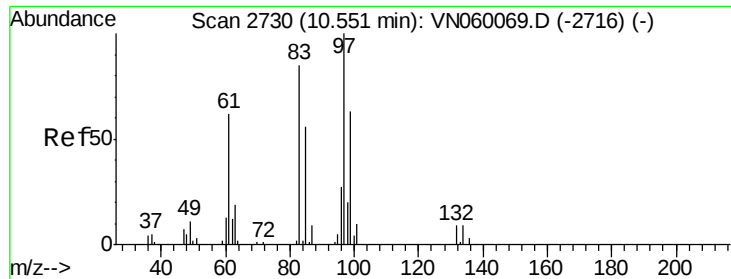
Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4

39 53.0 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 48.758 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 112203

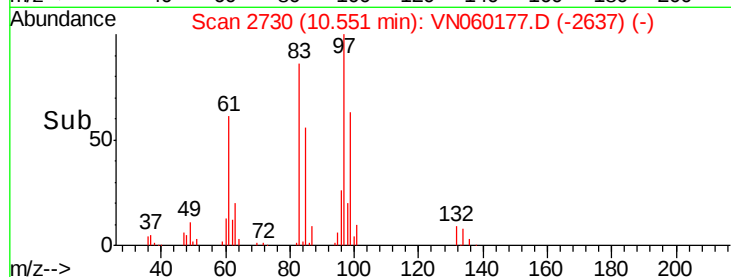
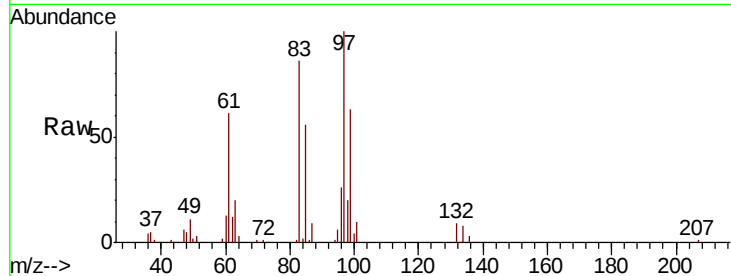
Ion	Ratio	Lower	Upper
97	100		
83	86.1	67.9	101.9
85	56.1	44.6	67.0
99	62.6	50.1	75.1

97 100

83 86.1 67.9 101.9

85 56.1 44.6 67.0

99 62.6 50.1 75.1

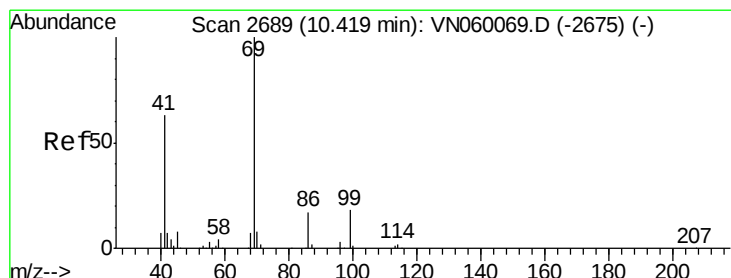
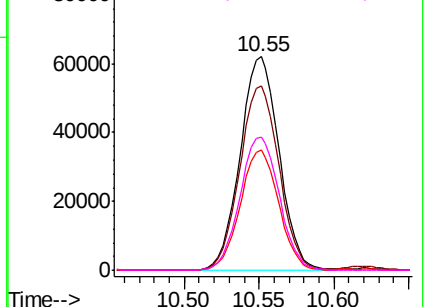


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 52.968 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

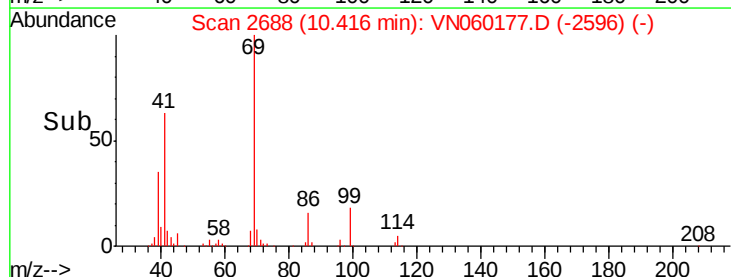
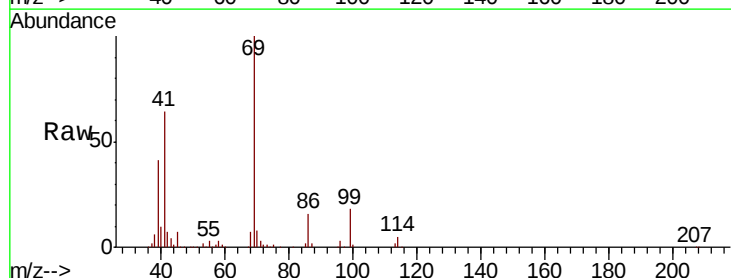
Tgt Ion: 69 Resp: 172428

Ion	Ratio	Lower	Upper
69	100		
41	63.2	51.1	76.7
39	40.6	33.8	50.8

69 100

41 63.2 51.1 76.7

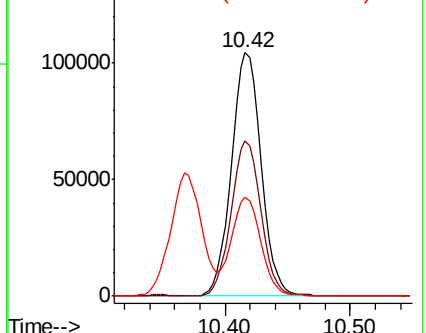
39 40.6 33.8 50.8

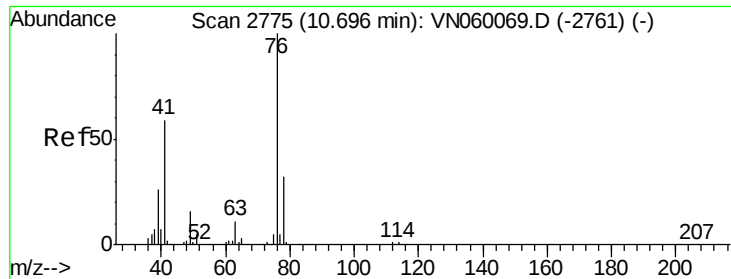


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

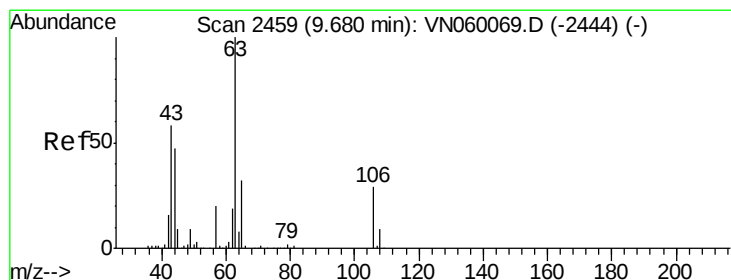
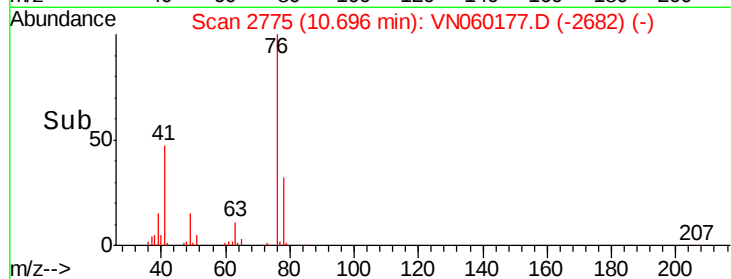
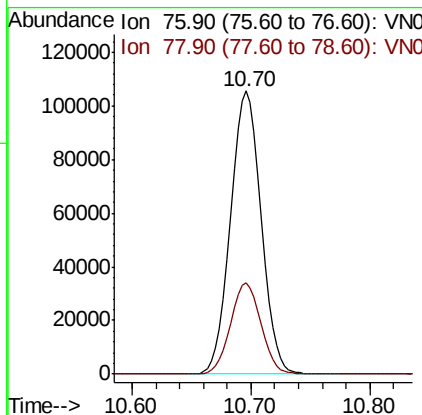
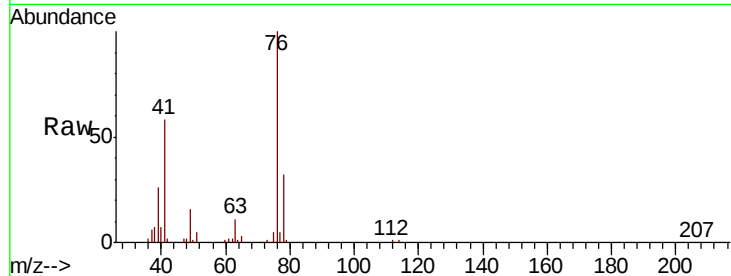




#57
 1,3-Dichloropropane
 Concen: 49.531 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

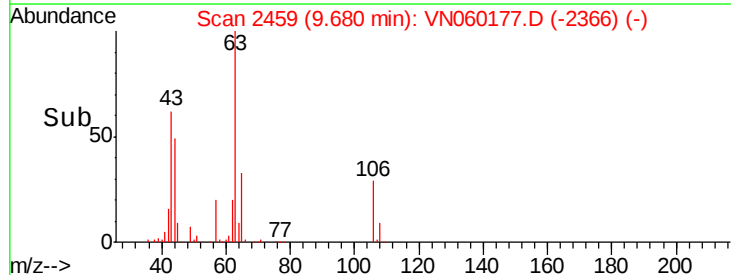
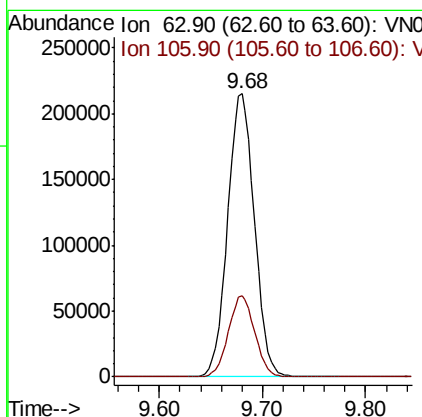
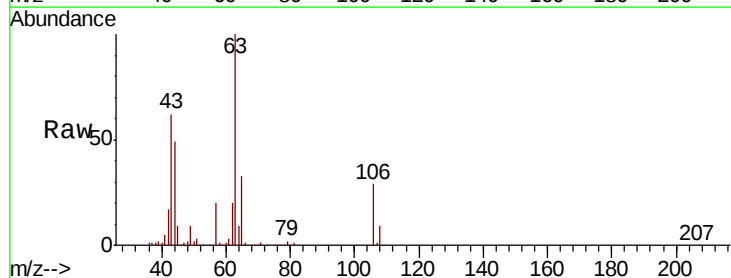
Instrument :
 MSVOA_N
 ClientSampled :

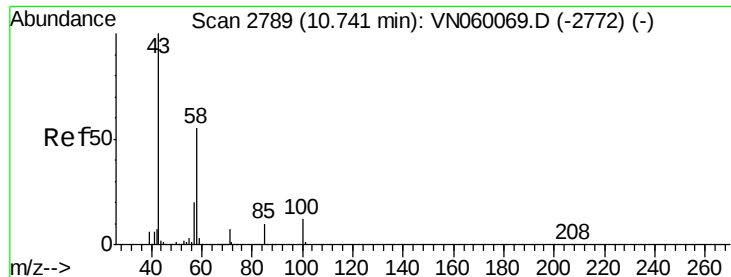
Tot Ion: 76 Resp: 188079
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 256.733 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Tgt Ion: 63 Resp: 389354
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.9 34.3

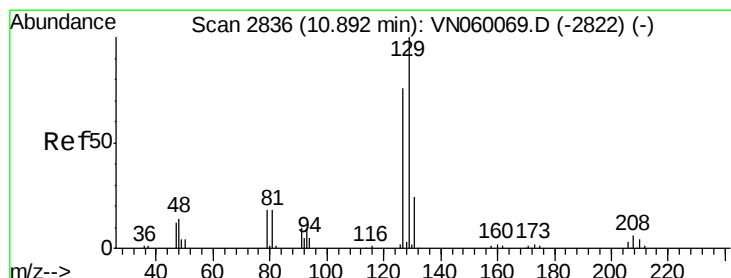
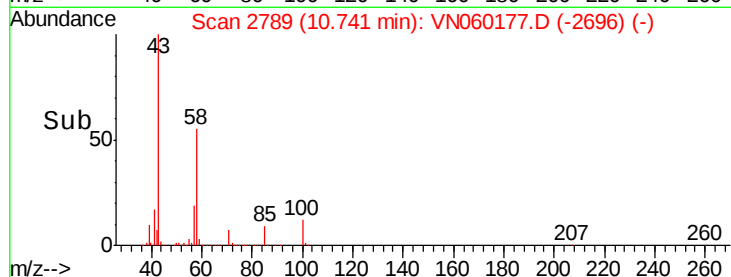
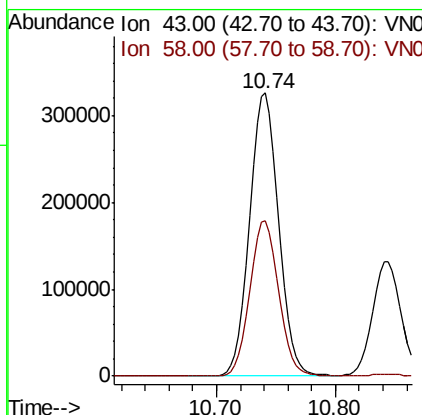
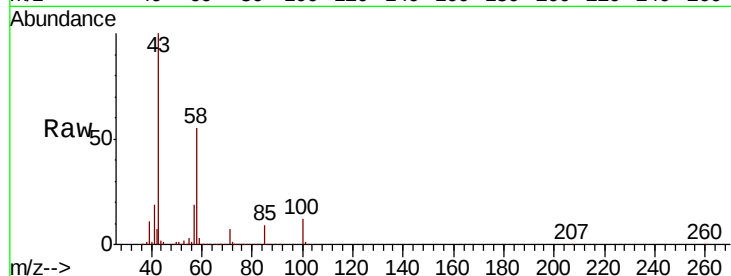




#59
2-Hexanone
Concen: 257.171 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

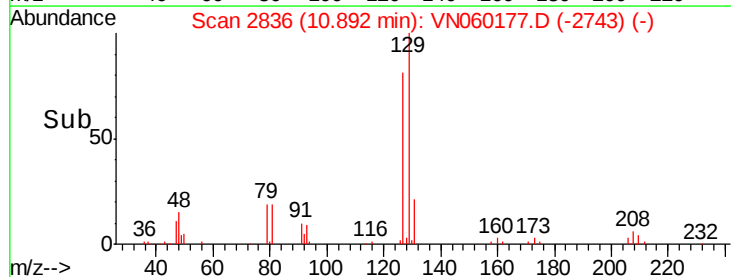
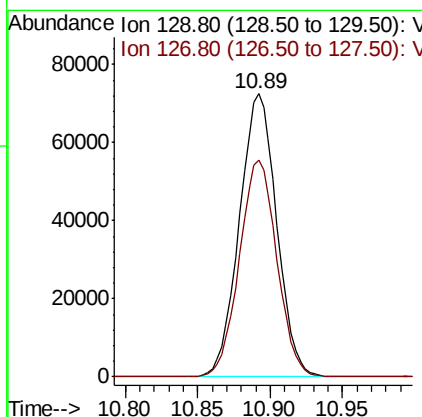
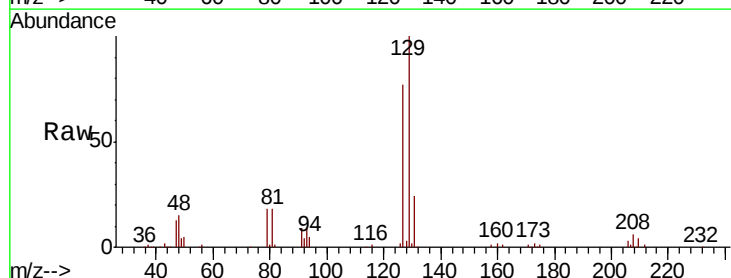
Instrument :
MSVOA_N
ClientSampleId :

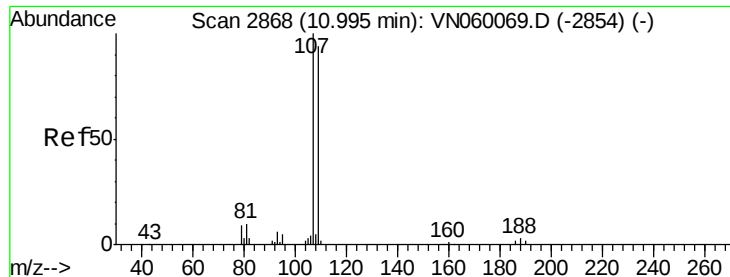
Tot Ion: 43 Resp: 550862
Ion Ratio Lower Upper
43 100
58 54.4 27.5 82.4



#60
Dibromochloromethane
Concen: 49.153 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion: 129 Resp: 129801
Ion Ratio Lower Upper
129 100
127 76.8 38.0 114.1





#61

1,2-Dibromoethane

Concen: 50.129 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

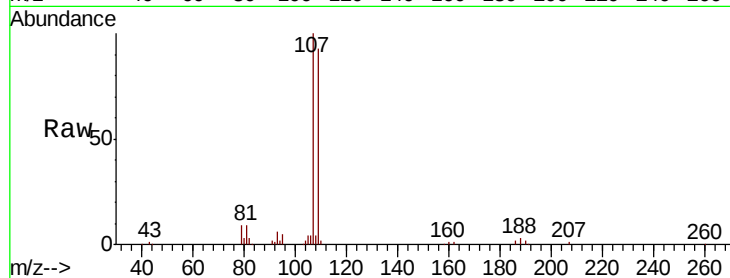
ClientSampleId :

Tot Ion:107 Resp: 120928

Ion Ratio Lower Upper

107 100

109 93.4 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.99

80000

60000

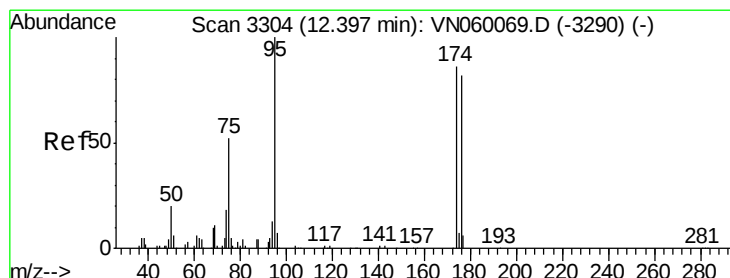
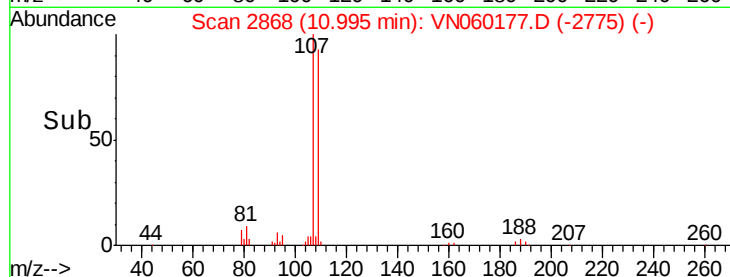
40000

20000

0

10.95 11.00 11.05

Time-->



#62

4-Bromofluorobenzene

Concen: 49.037 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

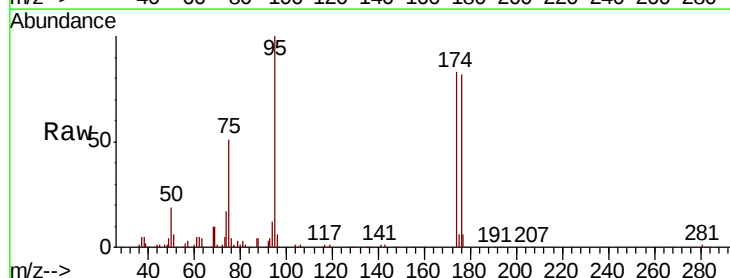
Tgt Ion: 95 Resp: 146024

Ion Ratio Lower Upper

95 100

174 82.7 0.0 169.8

176 81.7 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

120000

100000

80000

60000

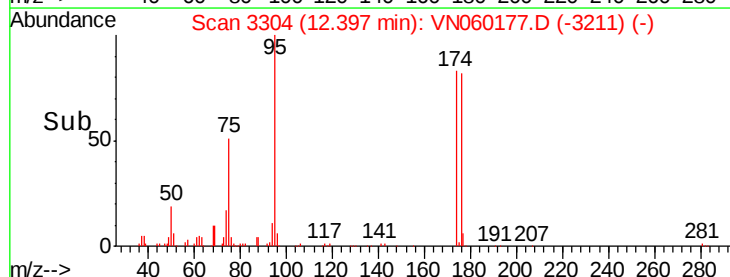
40000

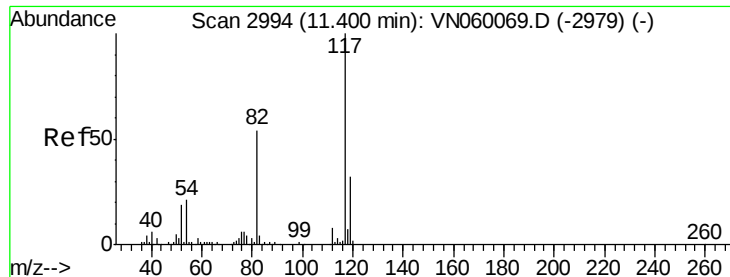
20000

0

12.35 12.40 12.45

Time-->

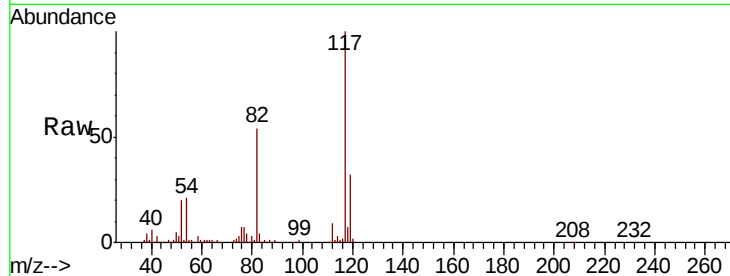




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.4	65.0
119	32.2	25.8	38.6

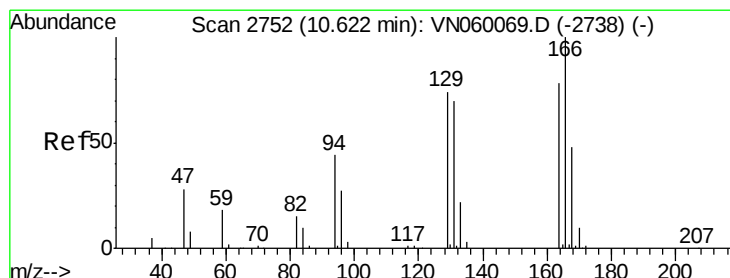
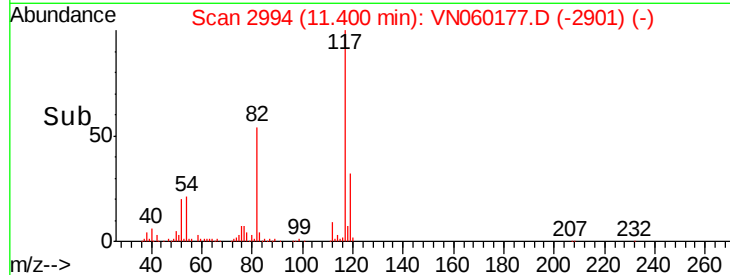
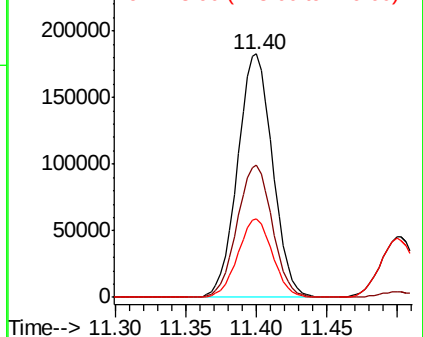


Abundance

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: 42.791 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	101.9	152.9
129	92.5	75.4	113.0
131	89.6	71.4	107.2

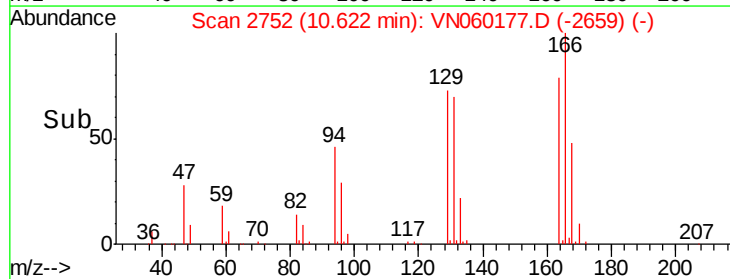
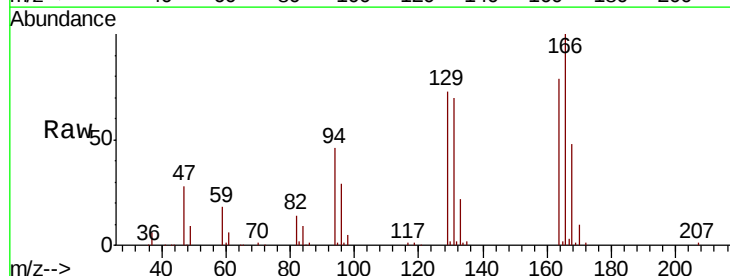
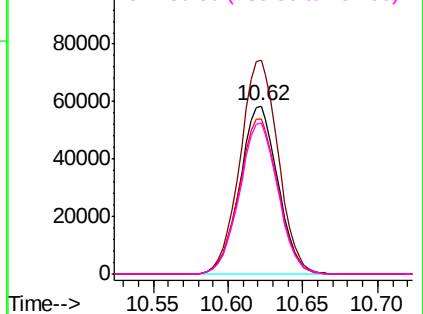
Abundance

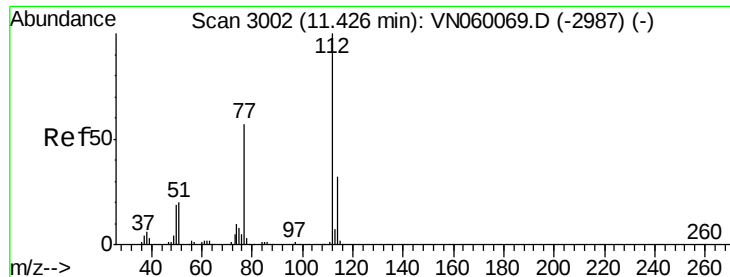
Ion 163.80 (163.50 to 164.50): V

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

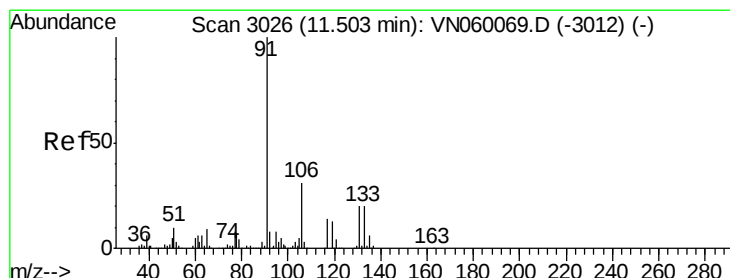
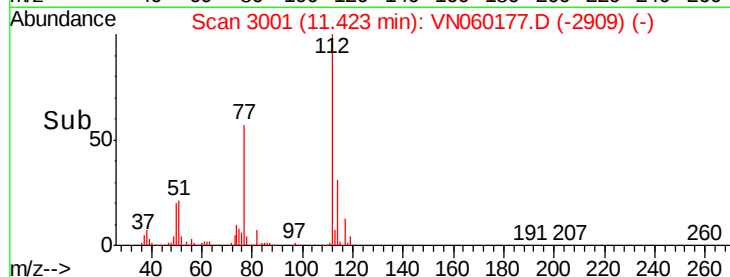
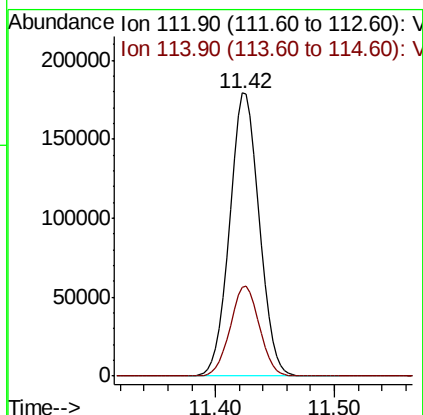
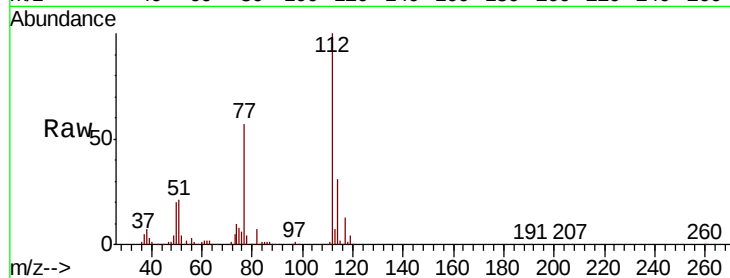




#65
Chlorobenzene
Concen: 47.810 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

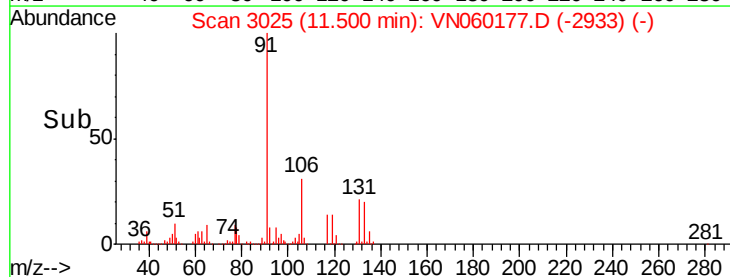
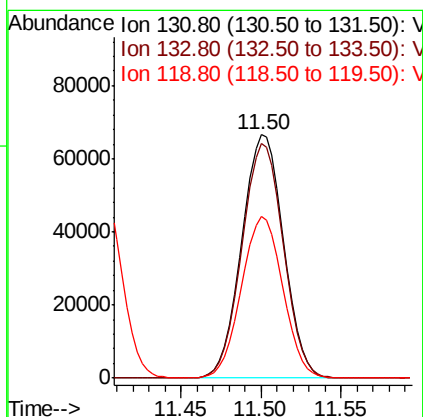
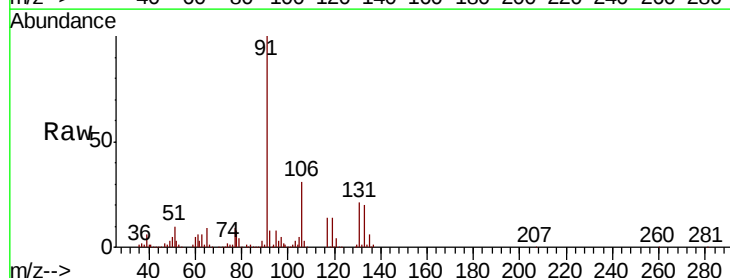
Instrument :
MSVOA_N
ClientSampleId :

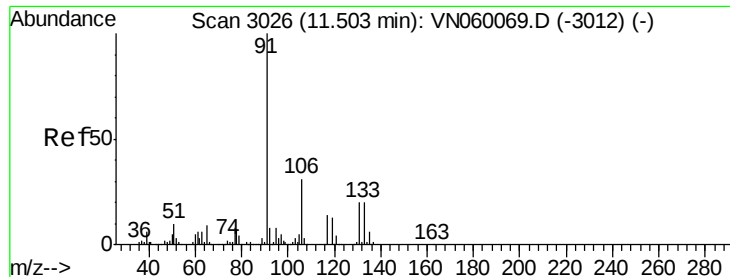
Tot Ion:112 Resp: 309193
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.434 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion:131 Resp: 118494
Ion Ratio Lower Upper
131 100
133 96.2 47.9 143.7
119 65.8 32.6 97.7





#67

Ethyl Benzene

Concen: 47.934 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

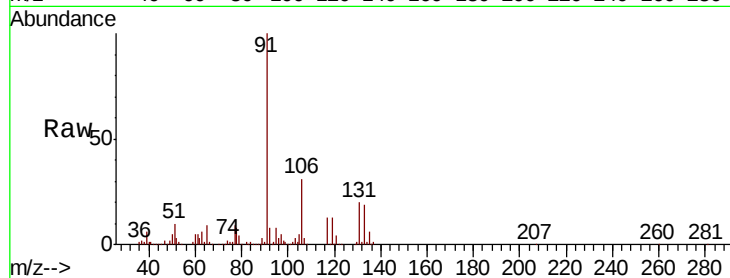
ClientSampled :

Tot Ion: 91 Resp: 559098

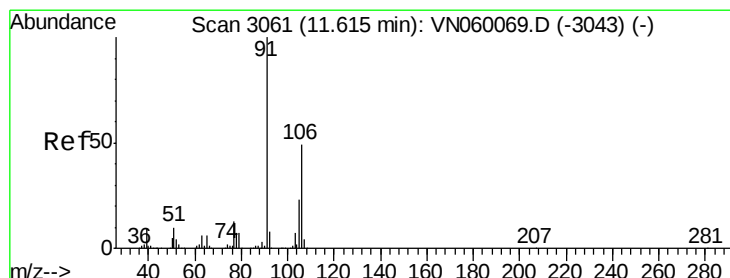
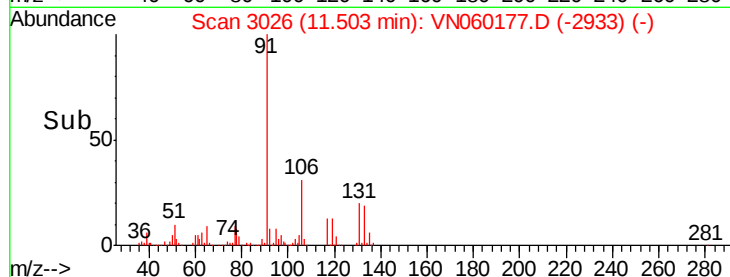
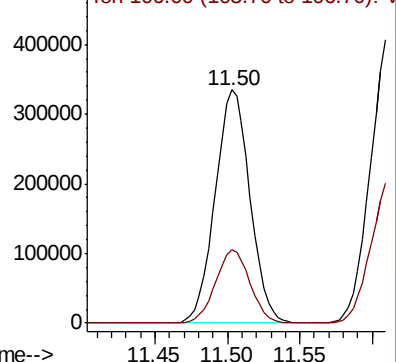
Ion Ratio Lower Upper

91 100

106 31.3 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN060177.D (-2933) (-)



#68

m/p-Xylenes

Concen: 96.130 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060177.D

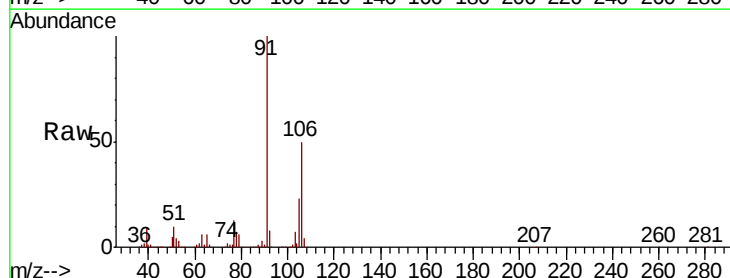
Acq: 20 Feb 2020 17:14

Tgt Ion: 106 Resp: 420826

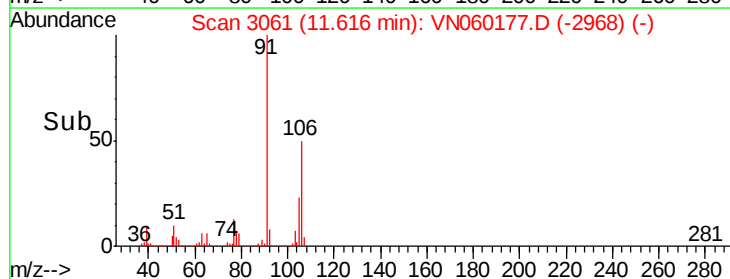
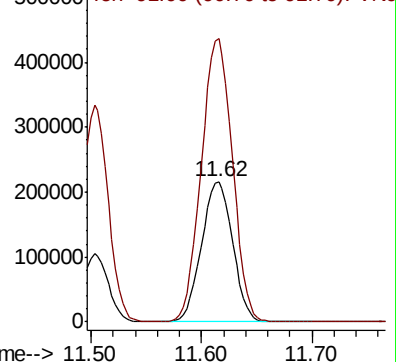
Ion Ratio Lower Upper

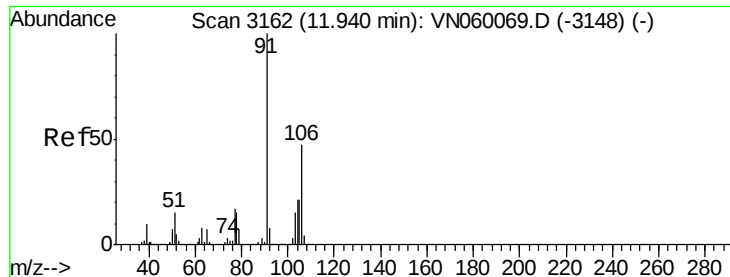
106 100

91 202.8 162.7 244.1



Abundance Ion 106.00 (105.70 to 106.70): VN060177.D (-2968) (-)

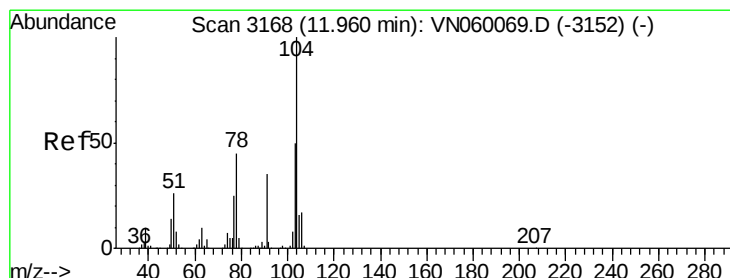
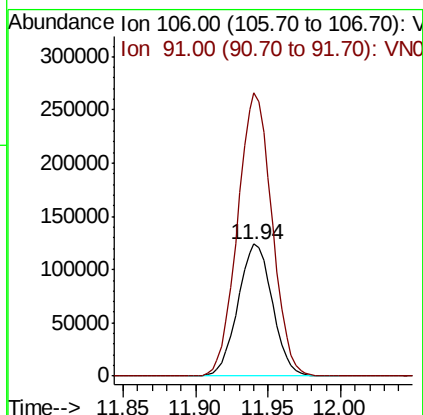
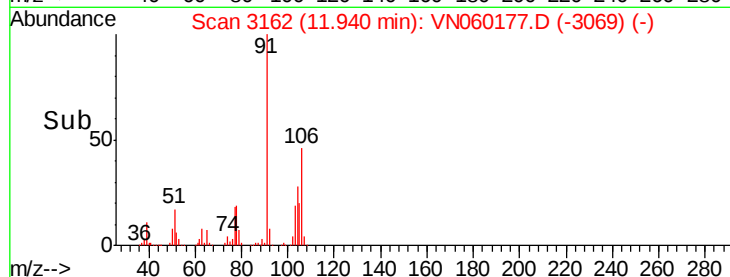
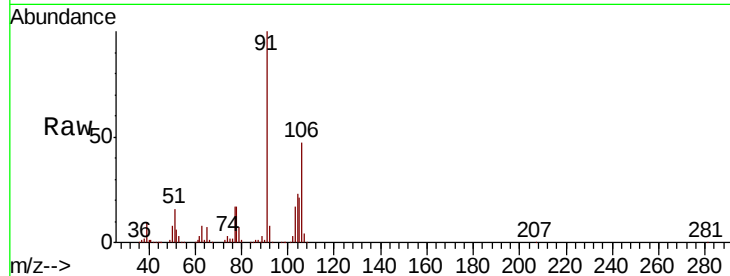




#69
o-Xylene
Concen: 48.600 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

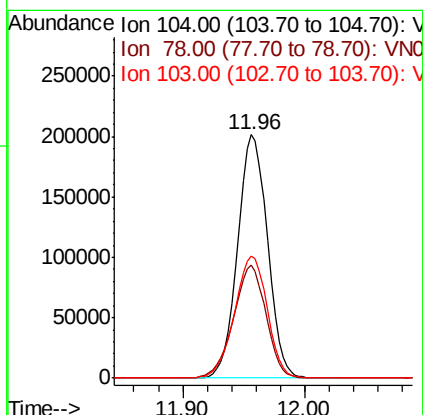
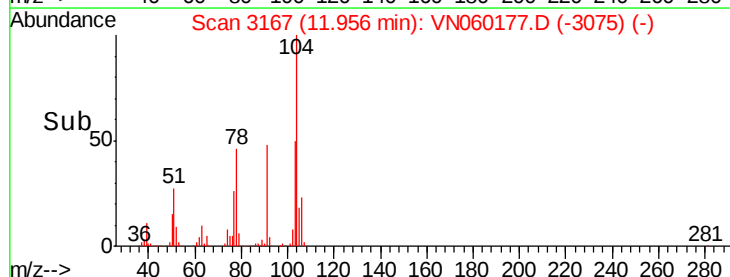
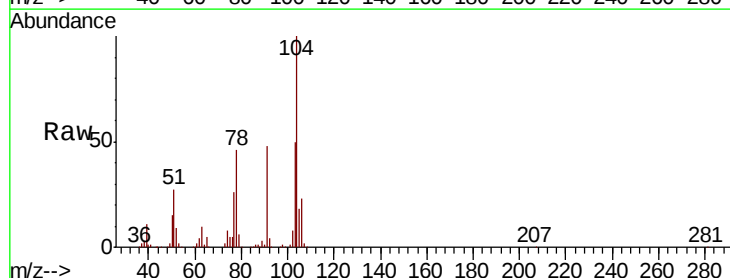
Instrument :
MSVOA_N
ClientSampled :

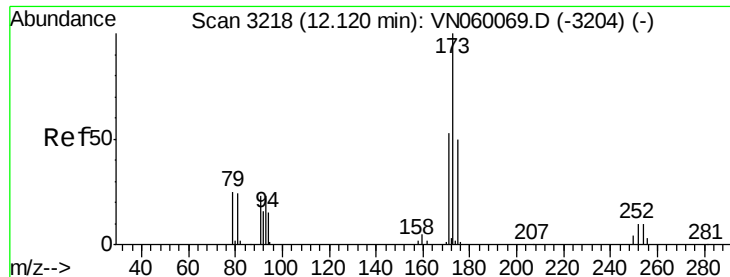
Tot Ion:106 Resp: 204849
Ion Ratio Lower Upper
106 100
91 213.9 107.2 321.6



#70
Styrene
Concen: 50.111 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion:104 Resp: 340606
Ion Ratio Lower Upper
104 100
78 50.7 40.2 60.2
103 55.2 44.3 66.5

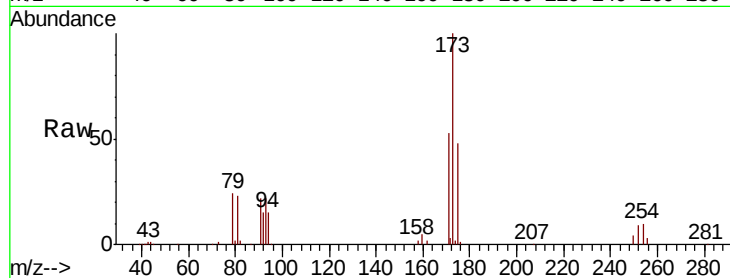




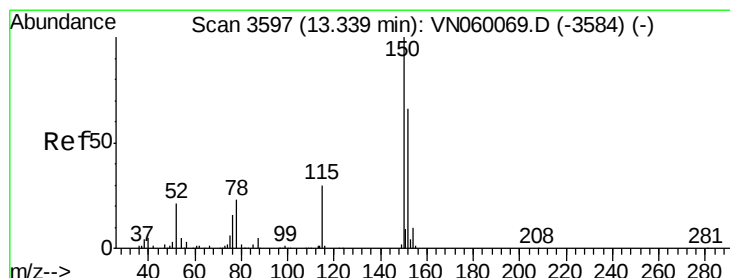
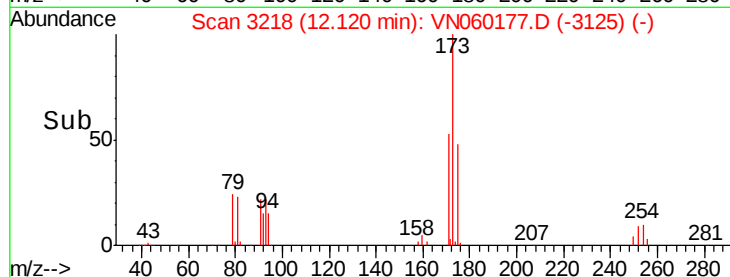
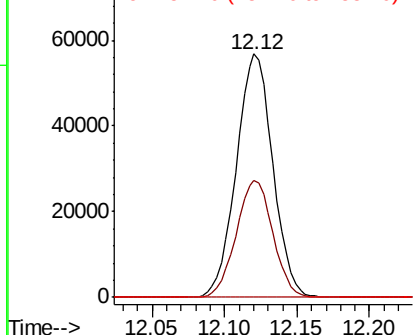
#71
Bromoform
Concen: 50.326 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 99028
Ion Ratio Lower Upper
173 100
175 48.1 24.9 74.6
254 0.0 0.0 0.0

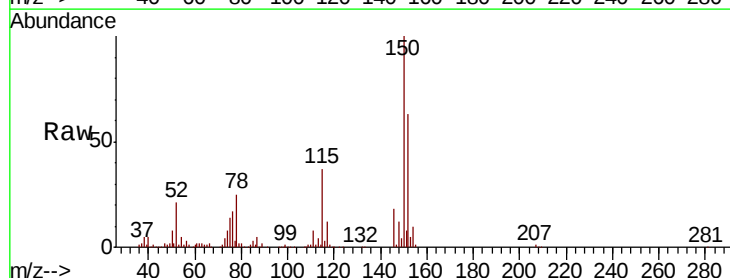


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

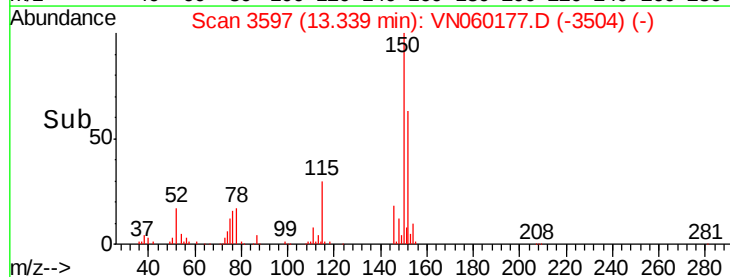
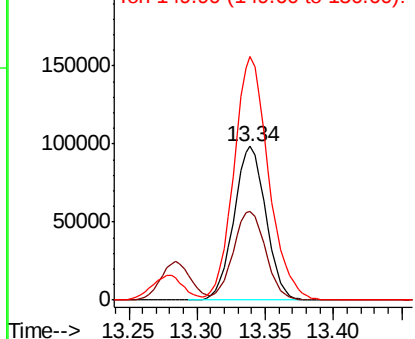


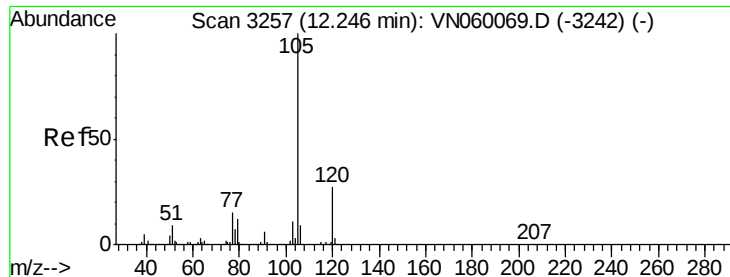
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion:152 Resp: 159795
Ion Ratio Lower Upper
152 100
115 58.4 28.9 86.8
150 171.8 0.0 342.4



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: 46.344 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

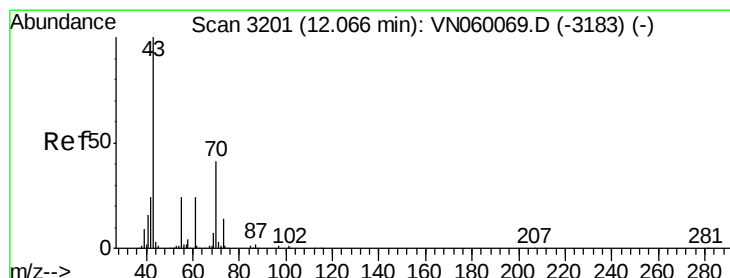
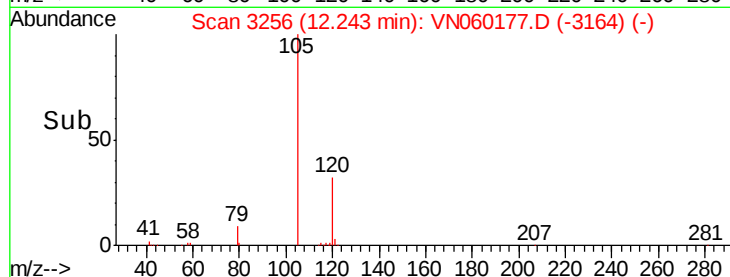
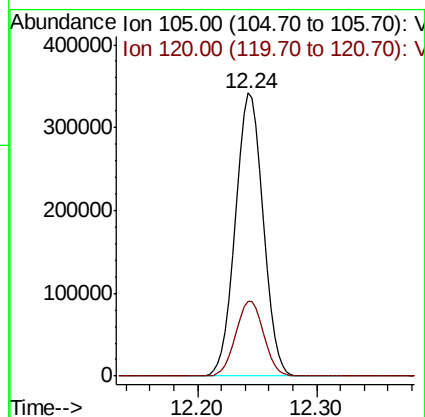
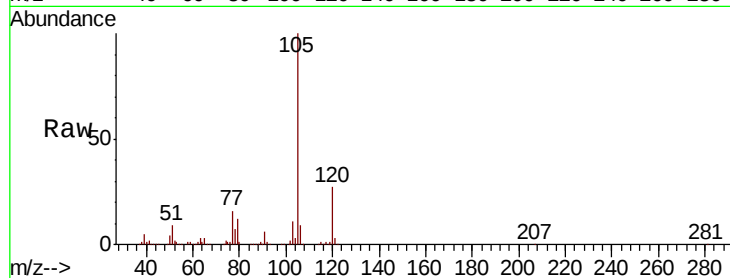
ClientSampleId :

Tot Ion:105 Resp: 553010

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8



#74

N-ethyl acetate

Concen: 51.730 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Tgt Ion: 43 Resp: 222587

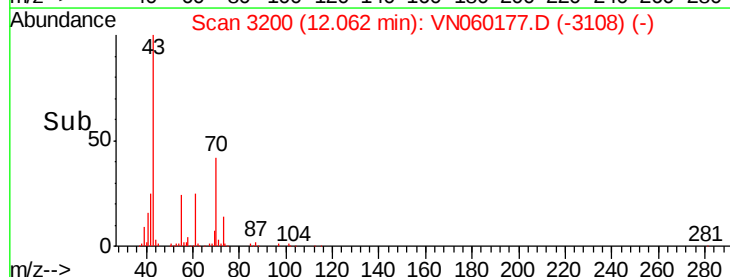
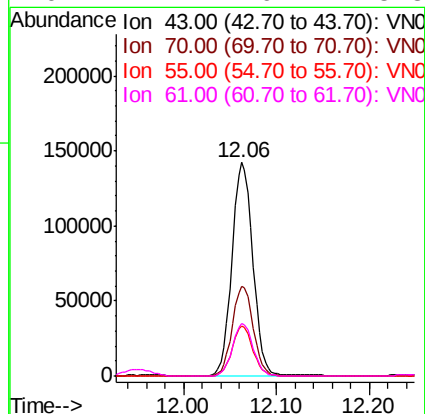
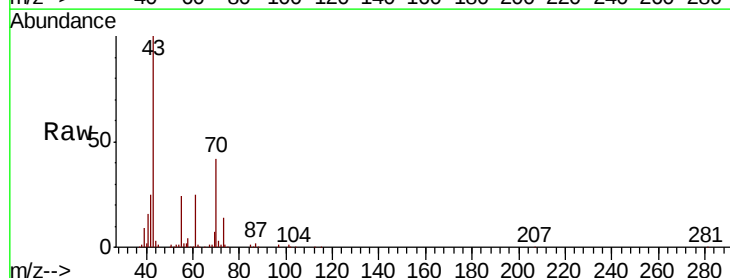
Ion Ratio Lower Upper

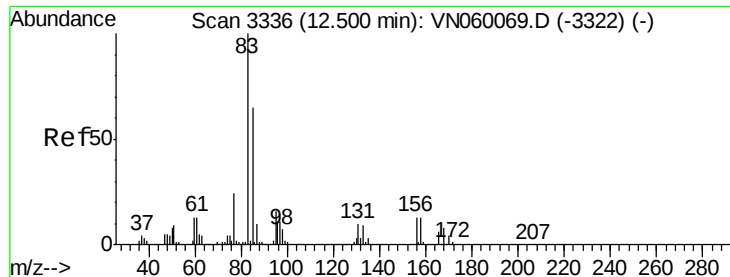
43 100

70 42.2 33.4 50.0

55 23.3 18.8 28.2

61 24.4 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.642 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

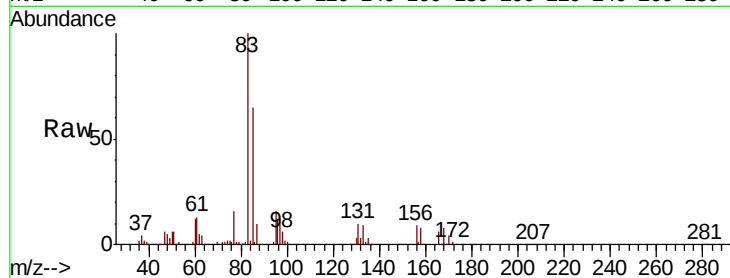
Tot Ion: 83 Resp: 170502

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

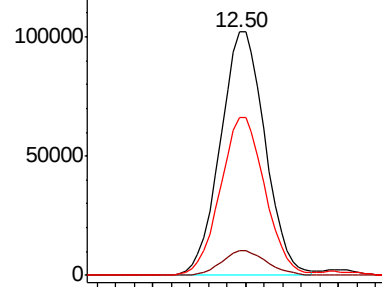
85 64.8 32.3 96.9



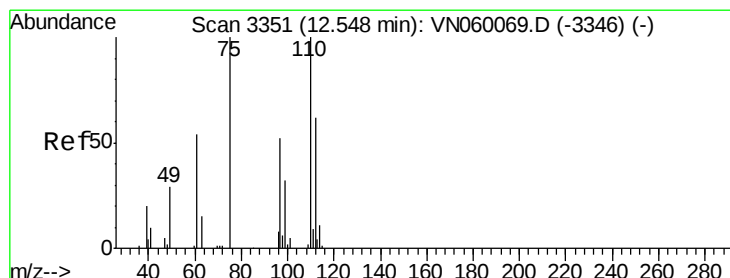
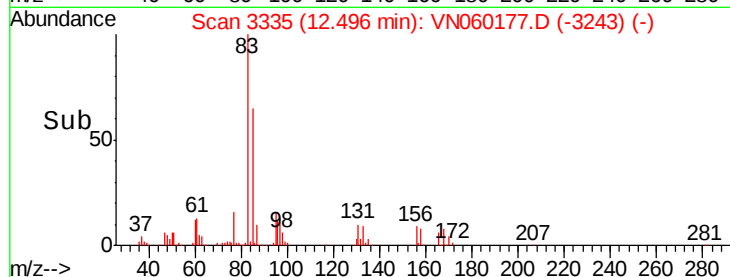
Abundance Ion 82.90 (82.60 to 83.60): VN060177.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060177.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060177.D (-3322) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 73.817 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060177.D

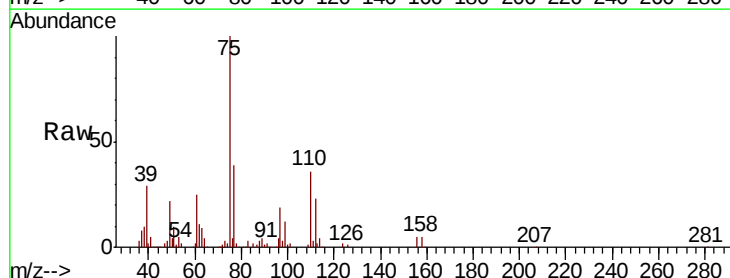
Acq: 20 Feb 2020 17:14

Tgt Ion: 75 Resp: 225674

Ion Ratio Lower Upper

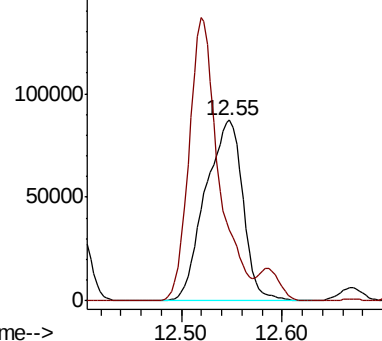
75 100

77 0.0 0.0 0.0

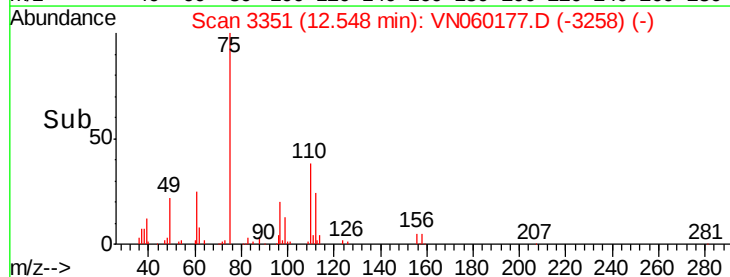


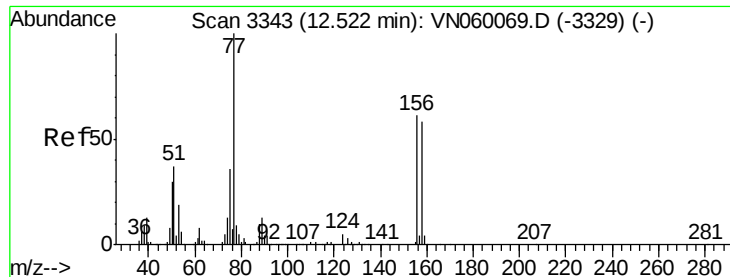
Abundance Ion 74.90 (74.60 to 75.60): VN060177.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060177.D (-3346) (-)



Time-->





#77

Bromobenzene

Concen: 47.172 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

ClientSampled :

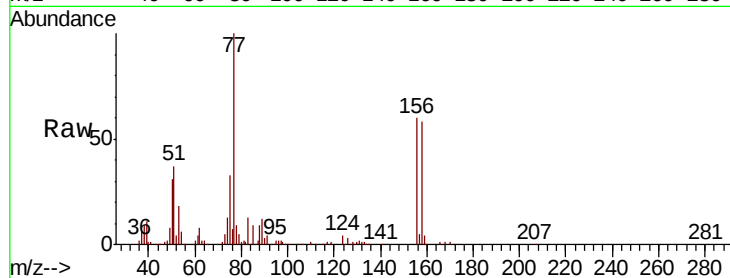
Tot Ion:156 Resp: 139692

Ion Ratio Lower Upper

156 100

77 200.7 98.7 296.1

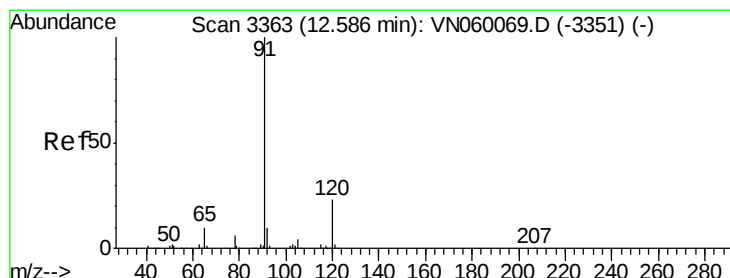
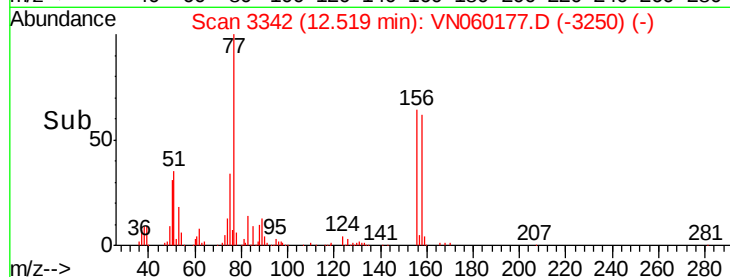
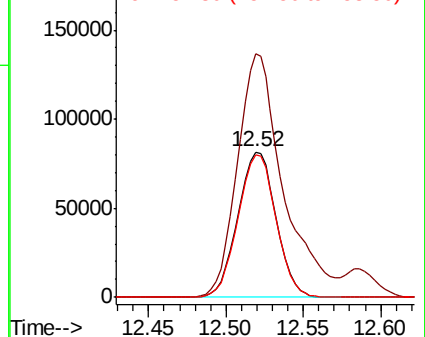
158 97.8 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.676 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060177.D

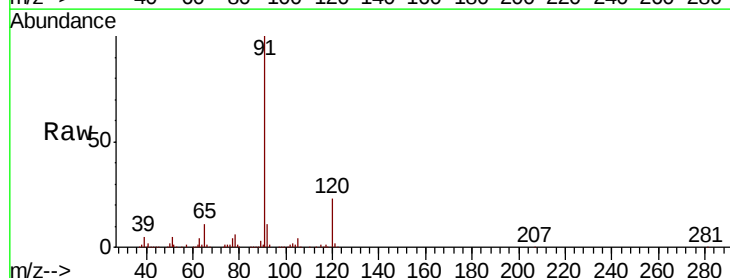
Acq: 20 Feb 2020 17:14

Tgt Ion: 91 Resp: 634570

Ion Ratio Lower Upper

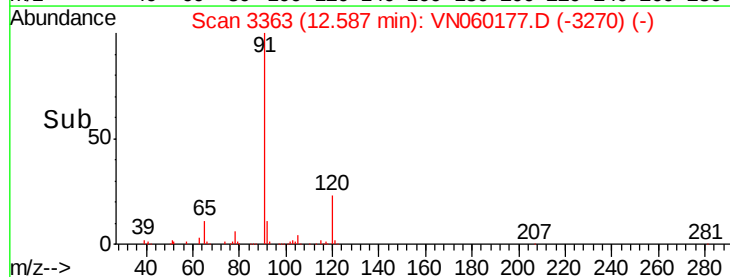
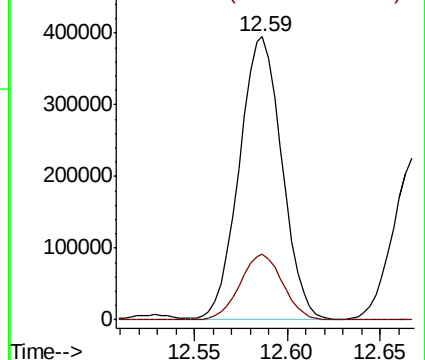
91 100

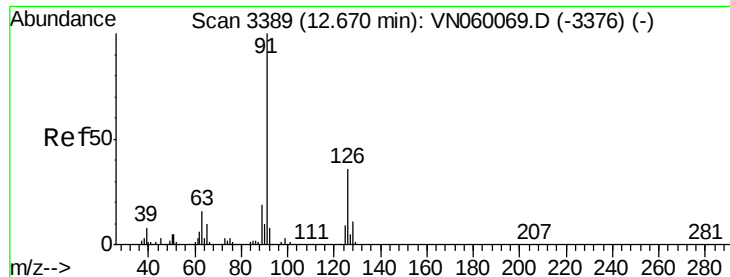
120 23.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.896 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

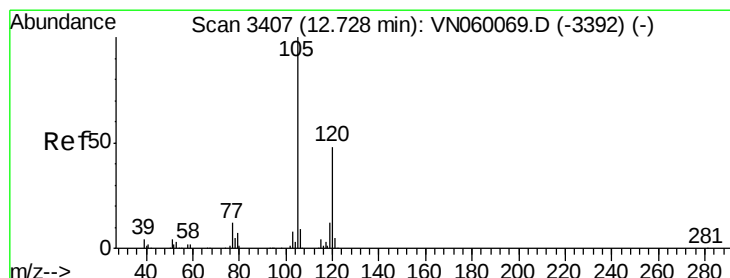
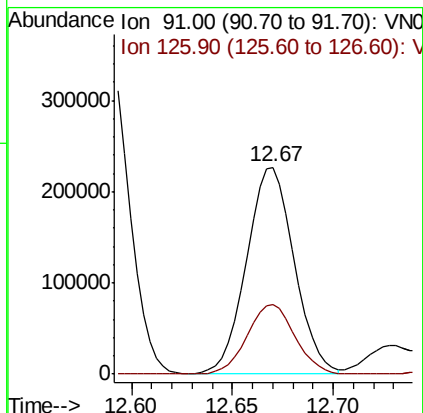
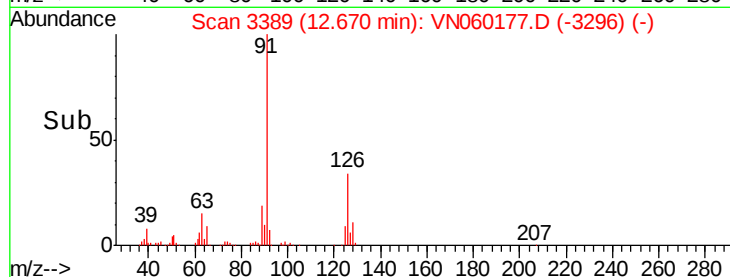
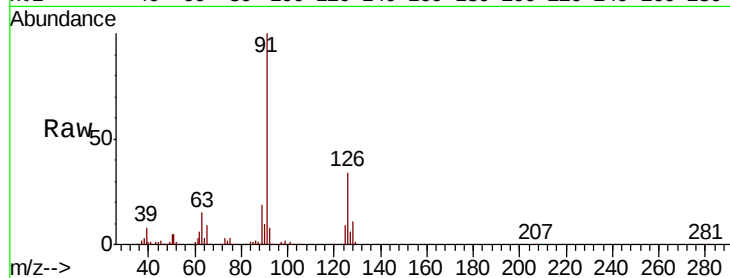
ClientSampled :

Tot Ion: 91 Resp: 374738

Ion Ratio Lower Upper

91 100

126 33.9 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 46.814 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060177.D

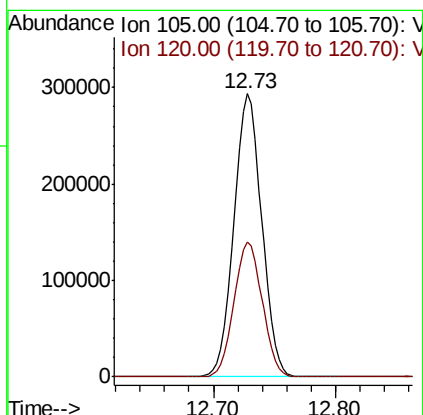
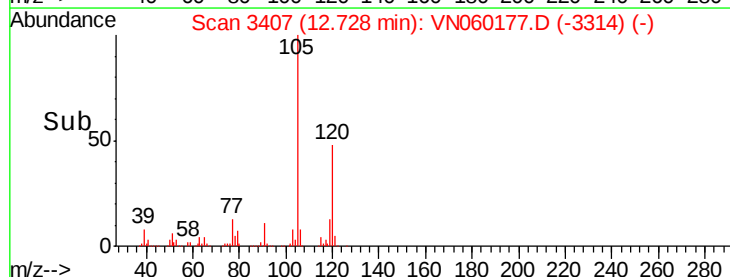
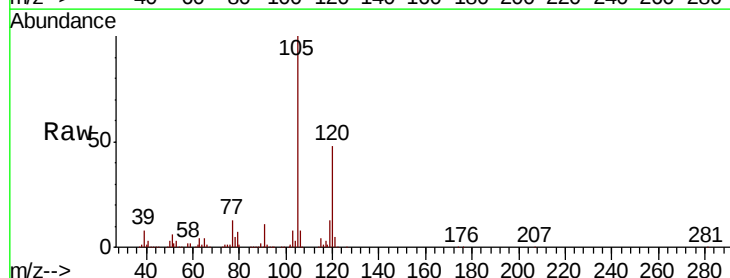
Acq: 20 Feb 2020 17:14

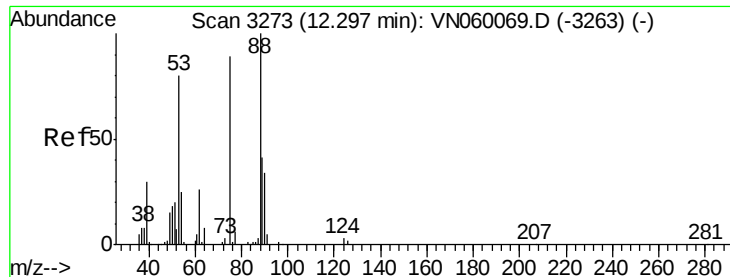
Tgt Ion: 105 Resp: 464468

Ion Ratio Lower Upper

105 100

120 48.3 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 51.369 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

ClientSampled :

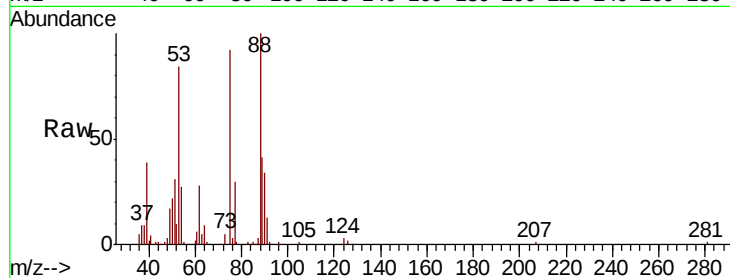
Tot Ion: 75 Resp: 64140

Ion Ratio Lower Upper

75 100

53 91.8 73.9 110.9

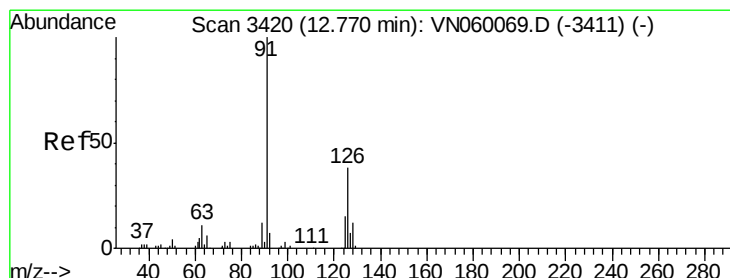
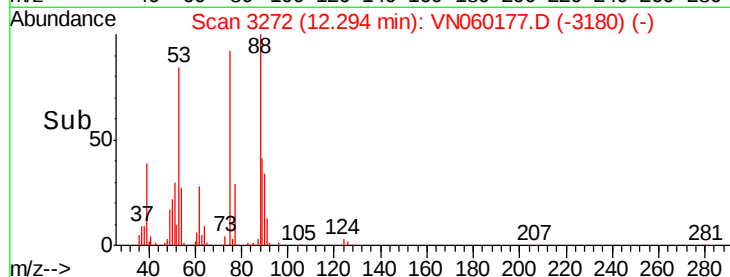
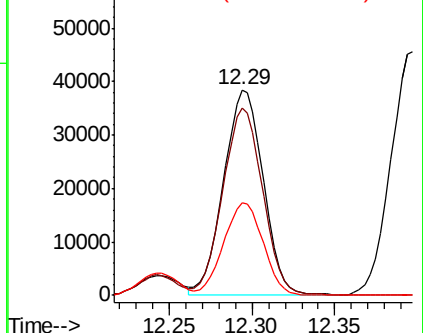
89 44.5 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 46.932 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN060177.D

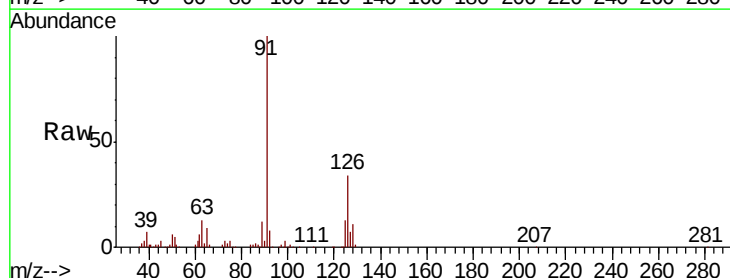
Acq: 20 Feb 2020 17:14

Tgt Ion: 91 Resp: 384768

Ion Ratio Lower Upper

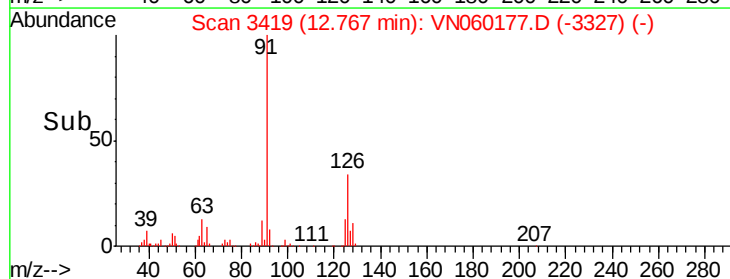
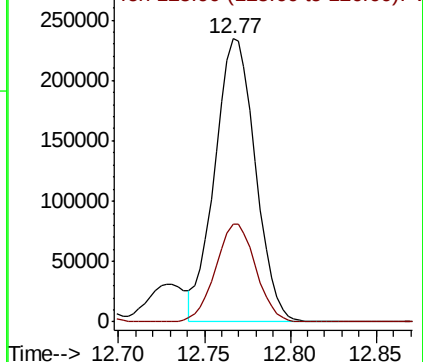
91 100

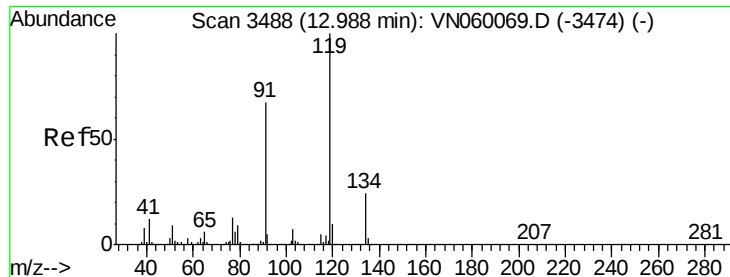
126 34.4 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 46.005 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

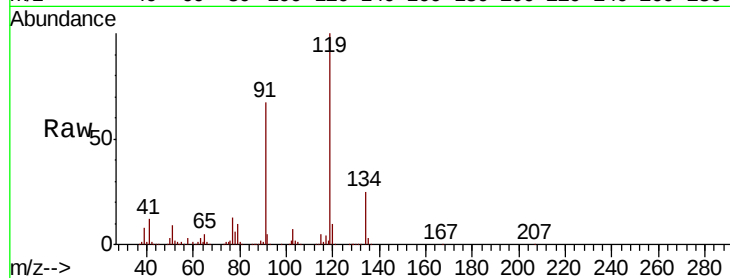
Tot Ion:119 Resp: 403772

Ion Ratio Lower Upper

119 100

91 65.5 32.7 98.1

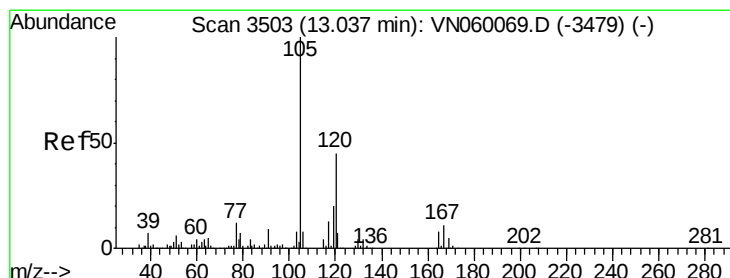
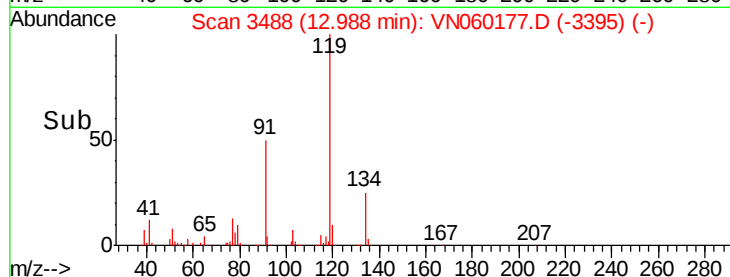
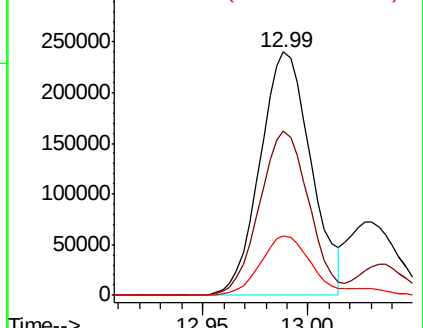
134 23.9 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 47.928 ug/l

RT: 13.03 min Scan# 3502

Delta R.T. -0.00 min

Lab File: VN060177.D

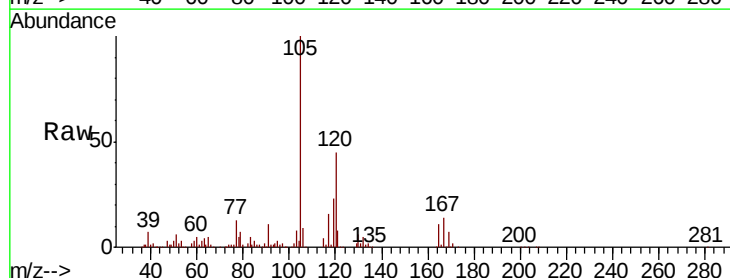
Acq: 20 Feb 2020 17:14

Tgt Ion:105 Resp: 469392

Ion Ratio Lower Upper

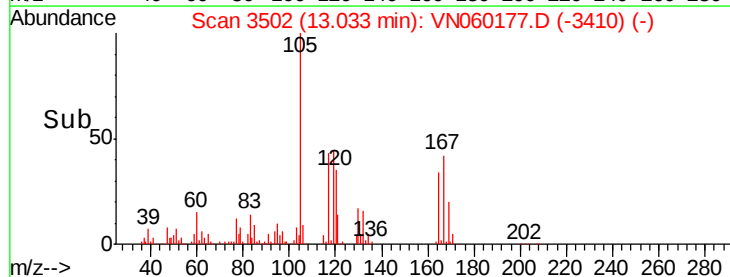
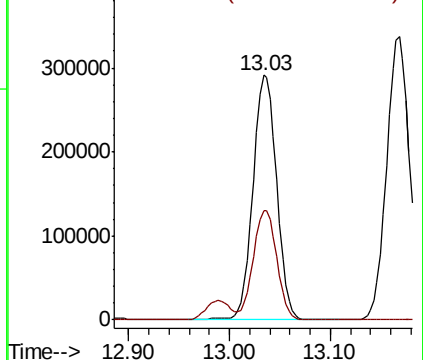
105 100

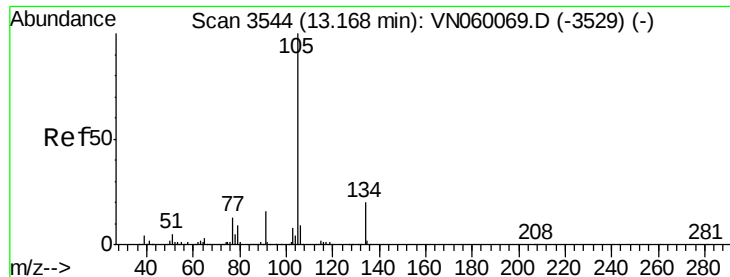
120 44.8 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 46.497 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

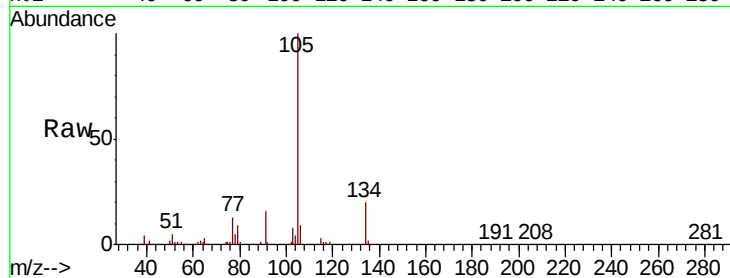
ClientSampleId :

Tot Ion:105 Resp: 540459

Ion Ratio Lower Upper

105 100

134 19.8 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

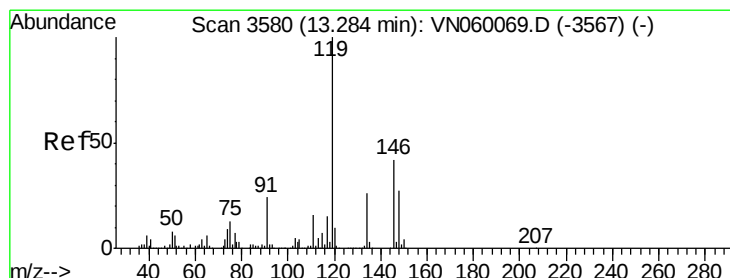
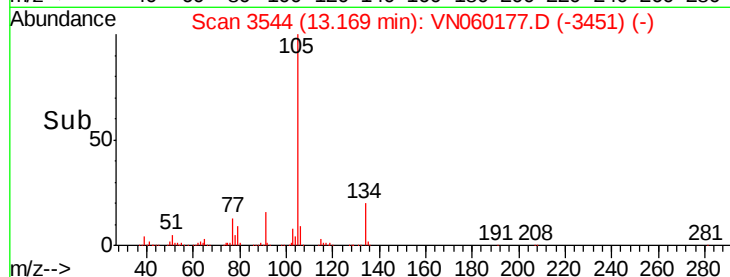
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 46.597 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

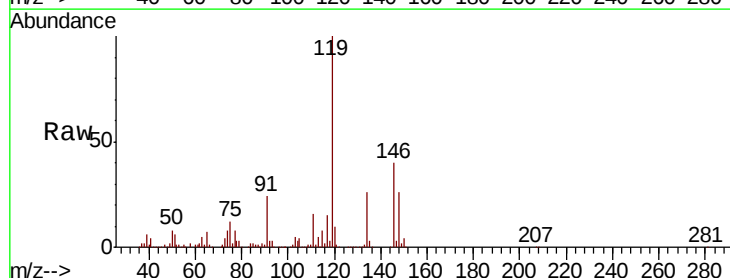
Tgt Ion:119 Resp: 490726

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 24.2 11.9 35.9



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

13.28

400000

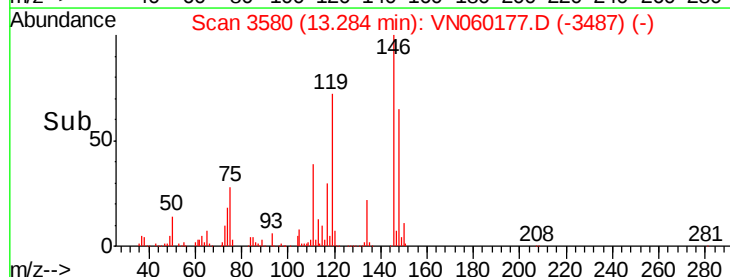
300000

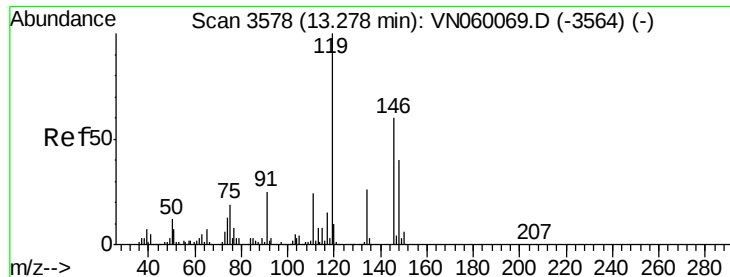
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 47.406 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

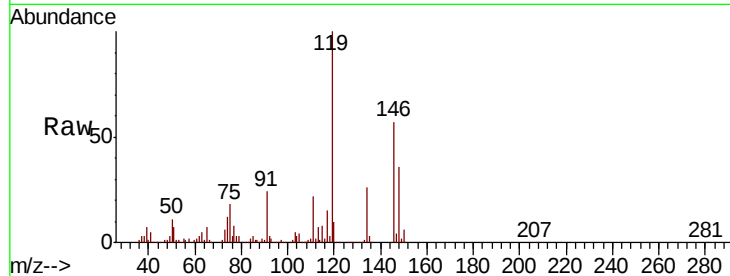
Tot Ion:146 Resp: 248498

Ion Ratio Lower Upper

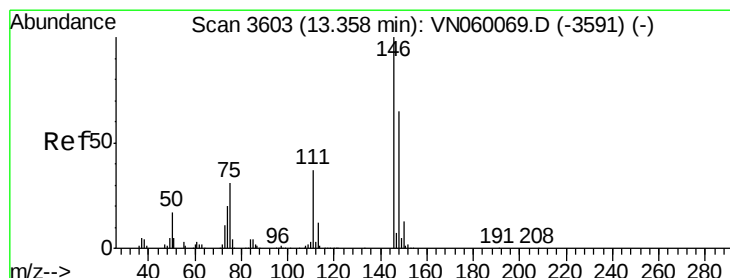
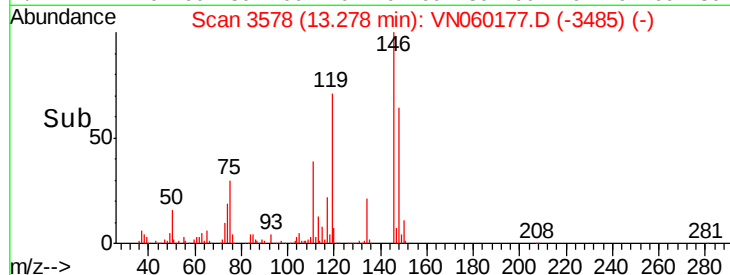
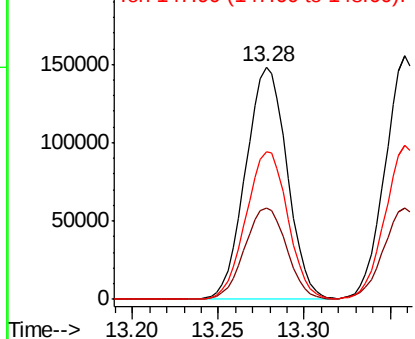
146 100

111 39.7 19.8 59.3

148 64.3 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.154 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

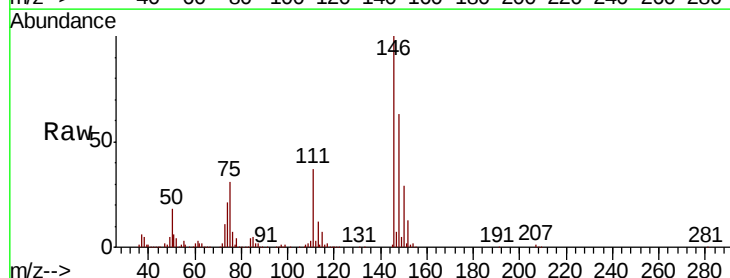
Tgt Ion:146 Resp: 247125

Ion Ratio Lower Upper

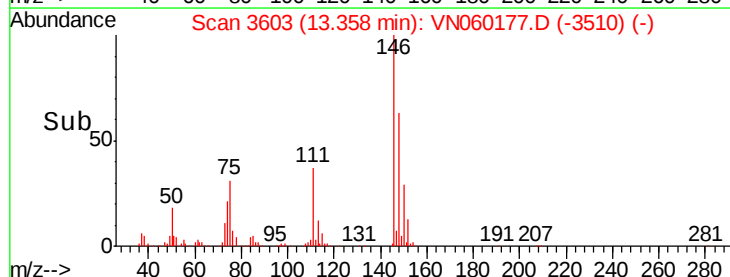
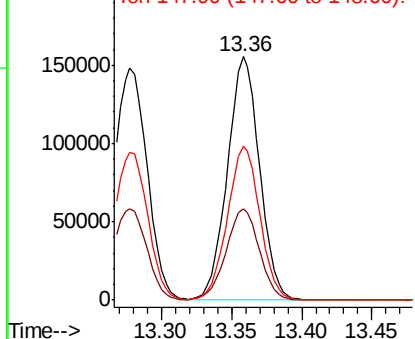
146 100

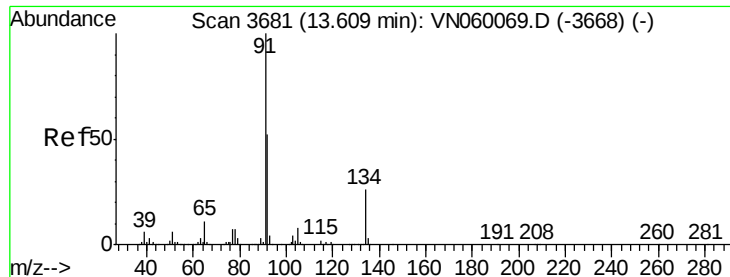
111 38.9 18.9 56.5

148 64.0 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

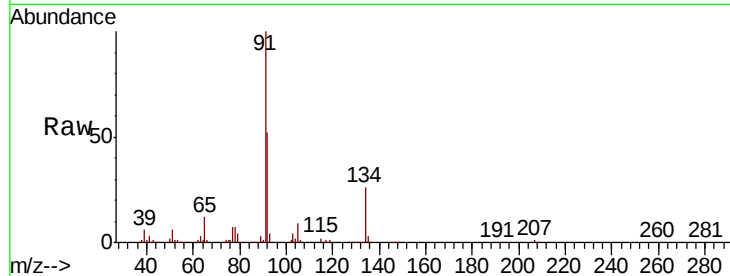




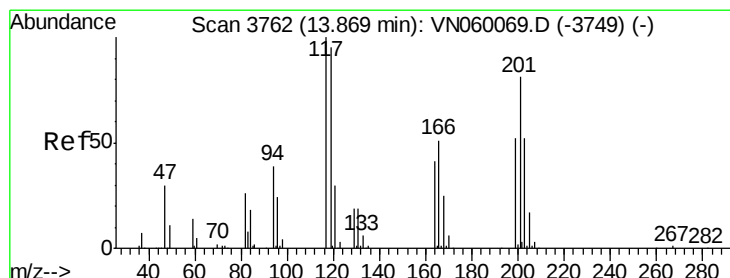
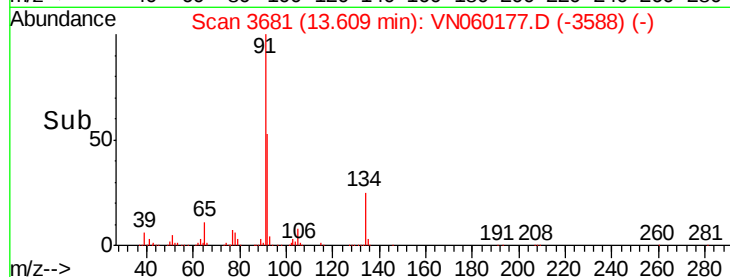
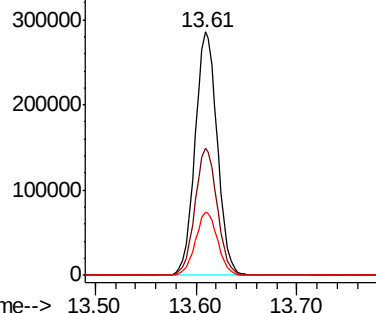
#89
n-Butylbenzene
Concen: 47.392 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 438987
Ion Ratio Lower Upper
91 100
92 52.2 26.1 78.2
134 25.9 13.1 39.3

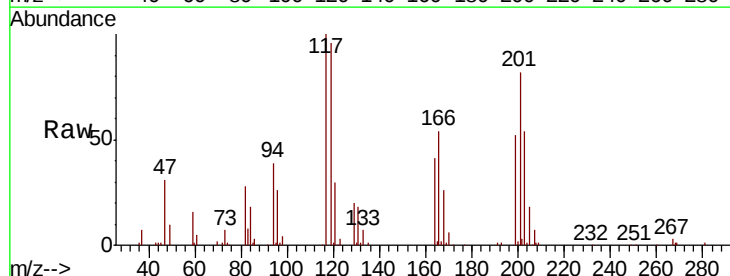


Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3668) (-)
Ion 92.00 (91.70 to 92.70): VN060069.D (-3668) (-)
Ion 134.00 (133.70 to 134.70): VN060069.D (-3668) (-)

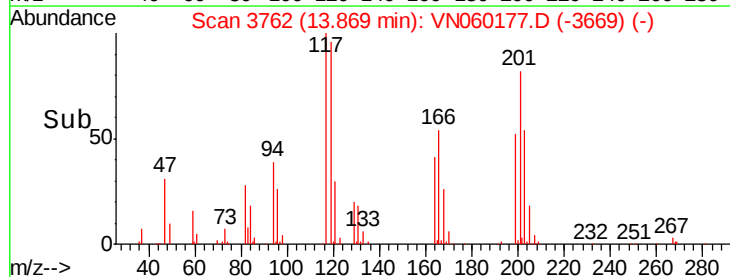
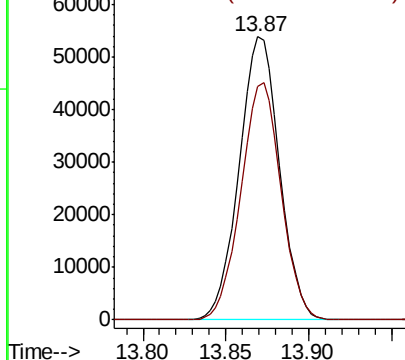


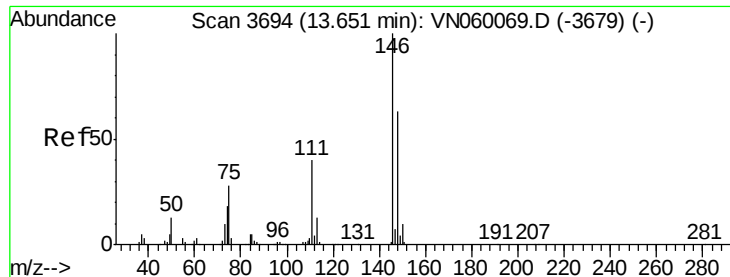
#90
Hexachloroethane
Concen: 46.150 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion: 117 Resp: 90797
Ion Ratio Lower Upper
117 100
201 83.6 41.7 125.1



Abundance Ion 116.80 (116.50 to 117.50): VN060069.D (-3749) (-)
Ion 200.70 (200.40 to 201.40): VN060069.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 47.338 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN060177.D

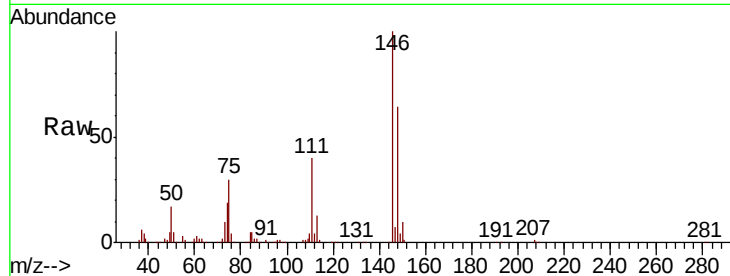
Acq: 20 Feb 2020 17:14

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	242838
Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.1	60.2
148	63.7	31.9	95.5

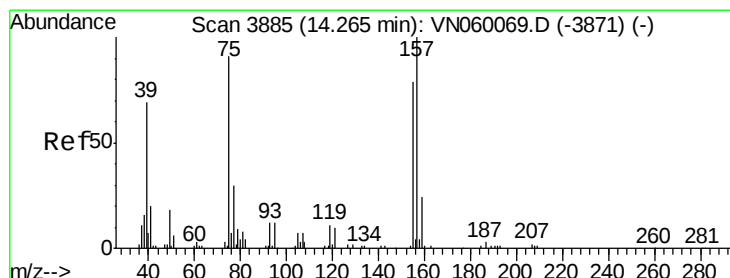
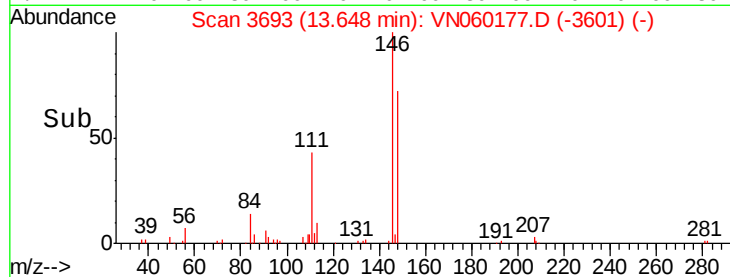
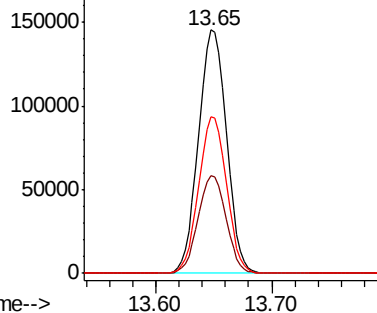


Abundance

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: 49.397 ug/l

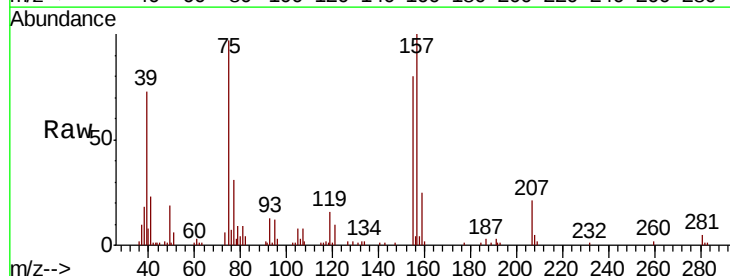
RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN060177.D

Acq: 20 Feb 2020 17:14

Tgt Ion:	75	Resp:	36081
Ion	Ratio	Lower	Upper
75	100		
155	82.3	43.0	129.0
157	105.9	54.9	164.5

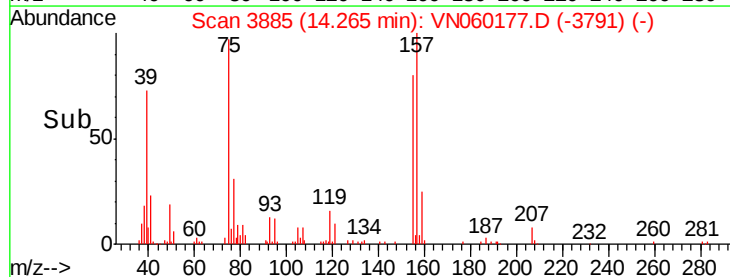
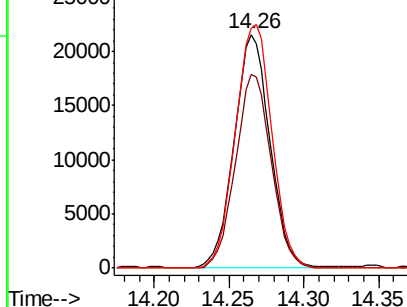


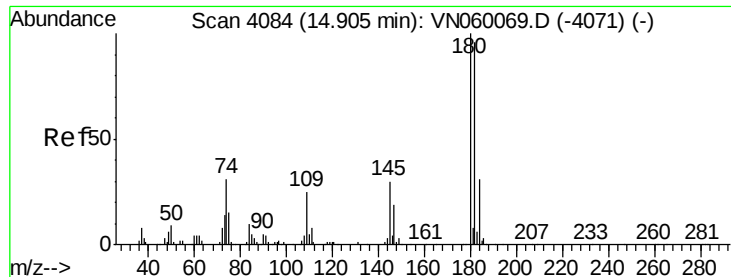
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

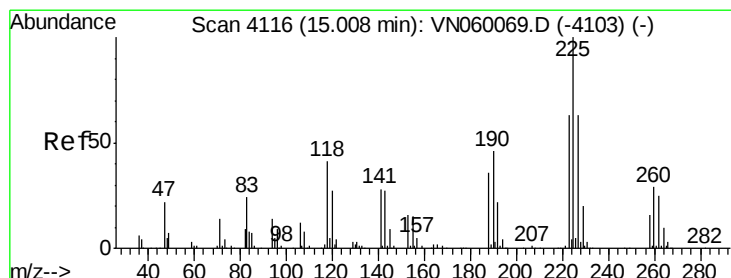
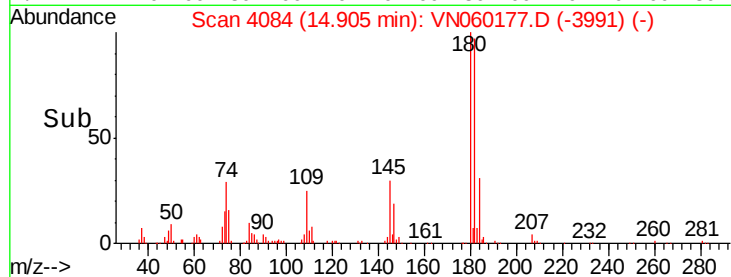
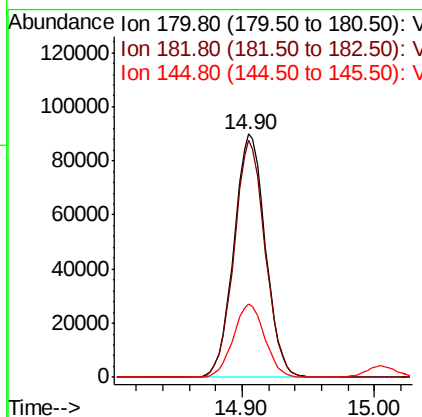
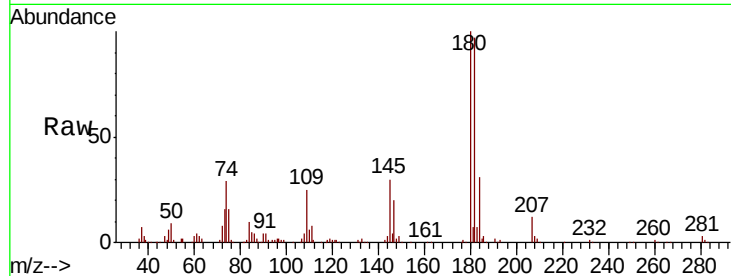




#93
 1,2,4-Trichlorobenzene
 Concen: 49.039 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

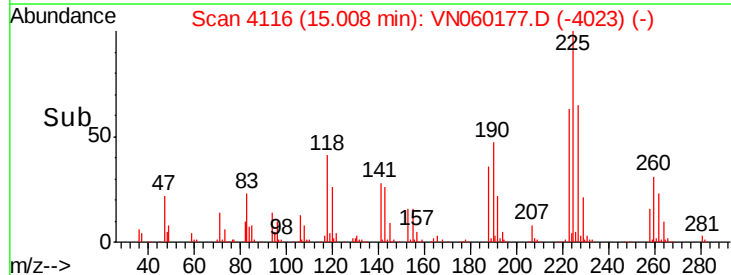
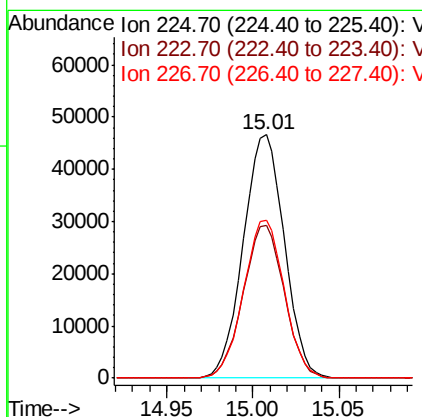
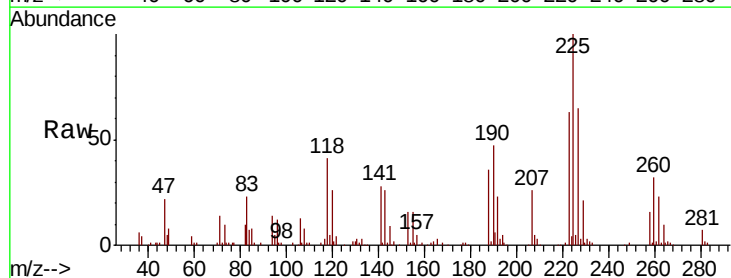
Instrument :
 MSVOA_N
 ClientSampled :

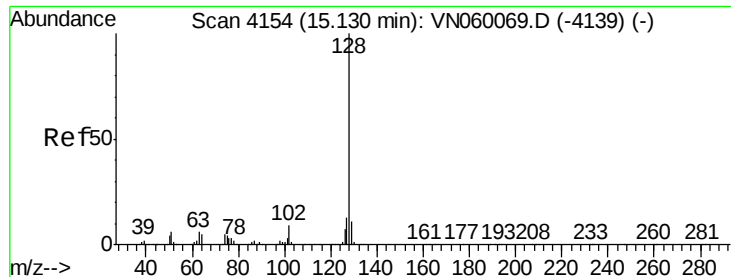
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.9	143.8
145	30.1	15.2	45.5



#94
 Hexachlorobutadiene
 Concen: 43.817 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060177.D
 Acq: 20 Feb 2020 17:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.5	94.5
227	64.2	31.8	95.4

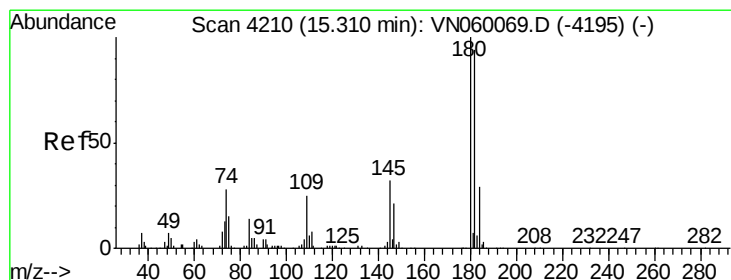
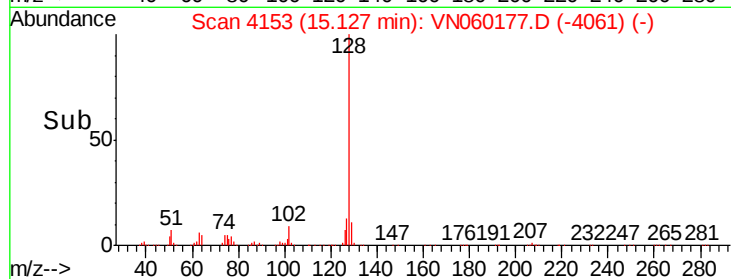
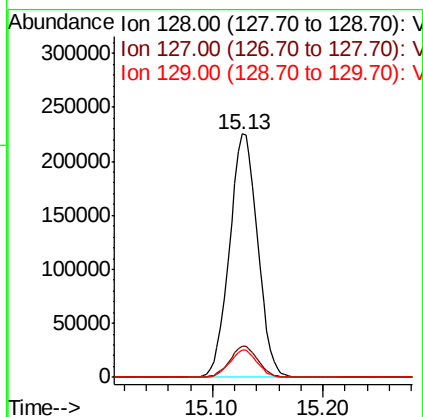
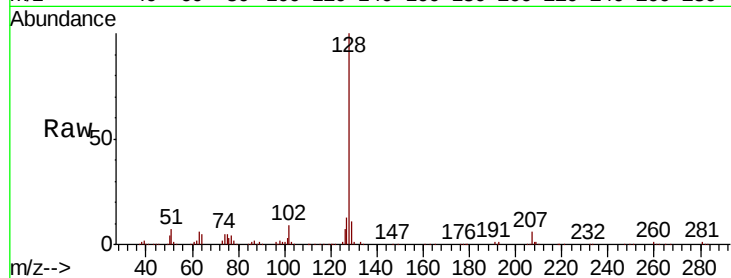




#95
Naphthalene
Concen: 48.864 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 397864
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 46.800 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060177.D
Acq: 20 Feb 2020 17:14

Tgt Ion:180 Resp: 140478
Ion Ratio Lower Upper
180 100
182 96.0 47.5 142.5
145 32.0 16.1 48.3

