

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033120\
 Data File : VN060777.D
 Acq On : 31 Mar 2020 10:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 01 08:21:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	196266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	317529	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	293078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144596	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	133801	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
35) Dibromofluoromethane	7.56	113	100587	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
50) Toluene-d8	10.08	98	401261	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
62) 4-Bromofluorobenzene	12.40	95	149914	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	97167	51.166	ug/l	99
3) Chloromethane	2.04	50	168490	47.505	ug/l	100
4) Vinyl Chloride	2.17	62	132269	47.679	ug/l	99
5) Bromomethane	2.54	94	64209	53.617	ug/l	99
6) Chloroethane	2.69	64	83947	52.531	ug/l	99
7) Trichlorofluoromethane	3.00	101	178332	52.184	ug/l	99
8) Diethyl Ether	3.38	74	72977	53.158	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	108690	54.889	ug/l	100
10) Methyl Iodide	3.93	142	88086	49.992	ug/l	99
11) Tert butyl alcohol	4.72	59	94755	239.133	ug/l	99
12) 1,1-Dichloroethene	3.71	96	108968	51.280	ug/l	97
13) Acrolein	3.57	56	130247	296.585	ug/l	100
14) Allyl chloride	4.29	41	197077	52.732	ug/l	99
15) Acrylonitrile	4.94	53	308991	265.185	ug/l	99
16) Acetone	3.77	43	359907	377.114	ug/l	99
17) Carbon Disulfide	4.03	76	318161	49.231	ug/l	100
18) Methyl Acetate	4.28	43	144291	53.714	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	382054	52.294	ug/l	98
20) Methylene Chloride	4.52	84	124206	52.905	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	118207	52.195	ug/l	96
22) Diisopropyl ether	5.91	45	439383	55.648	ug/l	100
23) Vinyl Acetate	5.85	43	1790107	277.866	ug/l	100
24) 1,1-Dichloroethane	5.81	63	233554	54.259	ug/l	99
25) 2-Butanone	6.79	43	462125	299.238	ug/l	99
26) 2,2-Dichloropropane	6.79	77	201278	59.433	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	137372	53.377	ug/l	98
28) Bromochloromethane	7.16	49	106249	51.592	ug/l	98
29) Tetrahydrofuran	7.18	42	274960	251.638	ug/l	98
30) Chloroform	7.34	83	221865	53.767	ug/l	99
31) Cyclohexane	7.63	56	217444	50.109	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	189708	53.329	ug/l	99
36) 1,1-Dichloropropene	7.77	75	171127	55.657	ug/l	99
37) Ethyl Acetate	6.89	43	173382	52.188	ug/l	99
38) Carbon Tetrachloride	7.75	117	152855	55.469	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033120\
 Data File : VN060777.D
 Acq On : 31 Mar 2020 10:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 01 08:21:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	211212	57.805	ug/l	98
40) Benzene	8.02	78	518068	55.816	ug/l	99
41) Methacrylonitrile	7.17	41	247649	174.667	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	176309	55.582	ug/l	99
43) Isopropyl Acetate	8.14	43	298275	54.439	ug/l	99
44) Trichloroethene	8.81	130	131462	56.185	ug/l	98
45) 1,2-Dichloropropane	9.10	63	139901	57.123	ug/l	99
46) Dibromomethane	9.19	93	82529	55.738	ug/l	99
47) Bromodichloromethane	9.38	83	175552	57.057	ug/l	98
48) Methyl methacrylate	9.18	41	132941	54.497	ug/l	99
49) 1,4-Dioxane	9.17	88	30952	1067.483	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	858950	275.498	ug/l	99
52) Toluene	10.14	92	313078	55.852	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	207583	58.735	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	221850	57.218	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	119497	55.412	ug/l	99
56) Ethyl methacrylate	10.42	69	190406	56.626	ug/l	99
57) 1,3-Dichloropropane	10.70	76	209998	56.116	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	448414	268.318	ug/l	99
59) 2-Hexanone	10.74	43	658371	293.141	ug/l	100
60) Dibromochloromethane	10.89	129	127394	57.190	ug/l	100
61) 1,2-Dibromoethane	10.99	107	122201	56.353	ug/l	100
64) Tetrachloroethene	10.62	164	125422	54.383	ug/l	99
65) Chlorobenzene	11.42	112	321519	55.339	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	118425	56.296	ug/l	99
67) Ethyl Benzene	11.50	91	611559	56.602	ug/l	99
68) m/p-Xylenes	11.61	106	451429	112.435	ug/l	99
69) o-Xylene	11.94	106	214324	55.918	ug/l	100
70) Styrene	11.96	104	356320	56.842	ug/l	99
71) Bromoform	12.12	173	90881	51.914	ug/l #	99
73) Isopropylbenzene	12.24	105	580858	53.529	ug/l	100
74) N-amyl acetate	12.06	43	260859	52.023	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	172172	52.467	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	235192	75.380	ug/l #	100
77) Bromobenzene	12.52	156	137326	52.519	ug/l	100
78) n-propylbenzene	12.59	91	700512	54.641	ug/l	99
79) 2-Chlorotoluene	12.67	91	403894	52.727	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	495272	53.783	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	65691	54.074	ug/l	99
82) 4-Chlorotoluene	12.77	91	425673	54.562	ug/l	100
83) tert-Butylbenzene	12.99	119	415889	54.480	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	499560	54.835	ug/l	99
85) sec-Butylbenzene	13.17	105	576500	56.161	ug/l	100
86) p-Isopropyltoluene	13.28	119	520933	56.435	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	250943	54.414	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	251824	54.350	ug/l	99
89) n-Butylbenzene	13.61	91	491507	58.976	ug/l	99
90) Hexachloroethane	13.87	117	80881	60.280	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	243762	55.278	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	33485	48.711	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033120\
Data File : VN060777.D
Acq On : 31 Mar 2020 10:28
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 01 08:21:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration

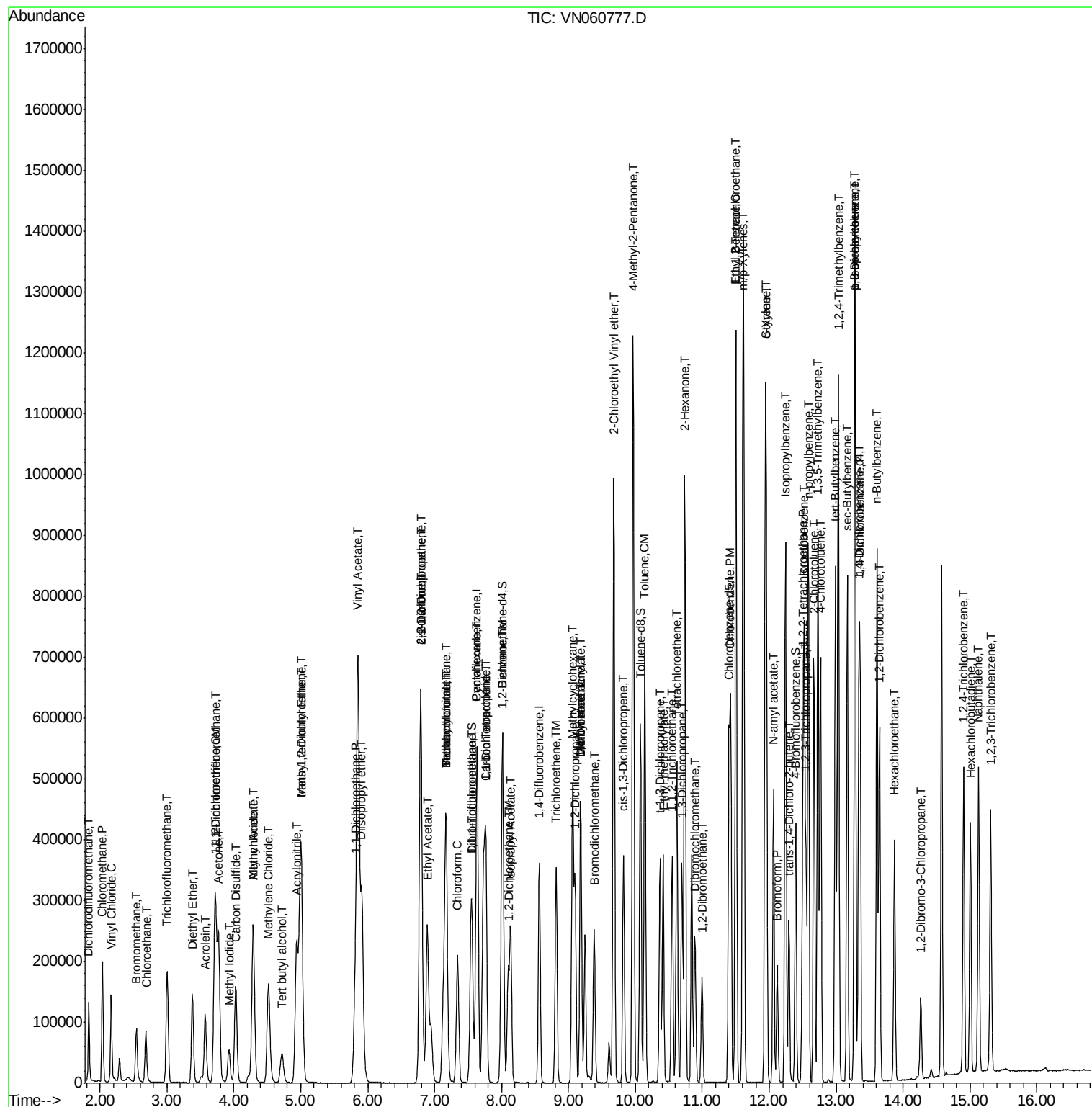
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	157924	58.318	ug/l	99
94) Hexachlorobutadiene	15.01	225	78868	59.410	ug/l	99
95) Naphthalene	15.13	128	427171	52.446	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	146499	54.924	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN033120\
 Data File : VN060777.D
 Acq On : 31 Mar 2020 10:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampled :

Quant Time: Apr 01 08:21:29 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

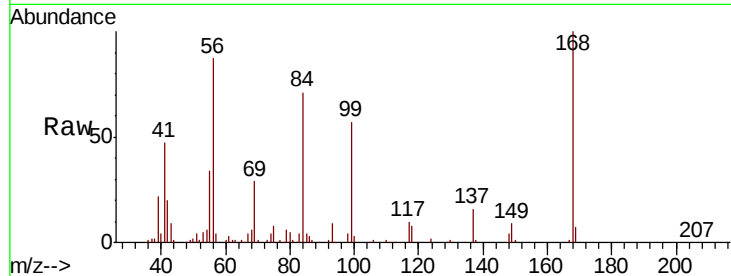
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 196266

Ion Ratio Lower Upper

168 100

99 57.3 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

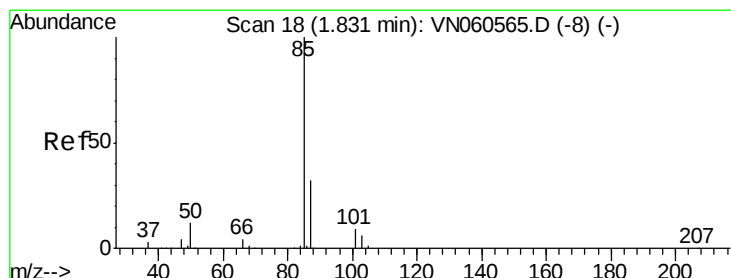
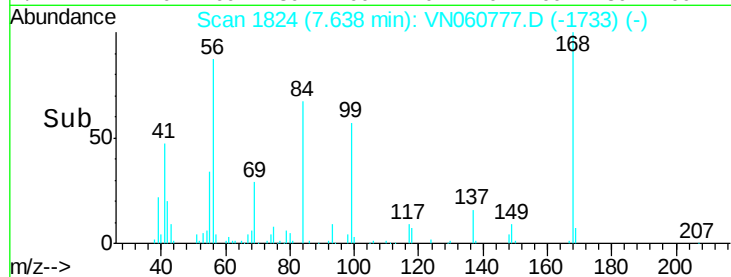
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 51.166 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060777.D

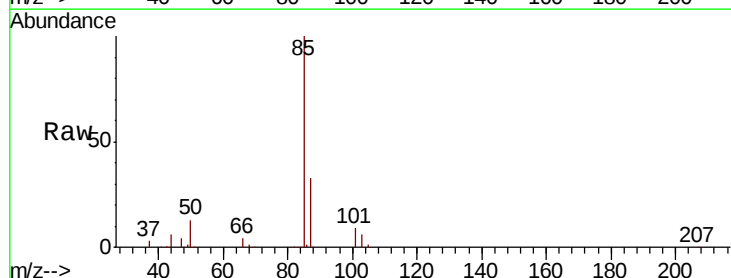
Acq: 31 Mar 2020 10:28

Tgt Ion: 85 Resp: 97167

Ion Ratio Lower Upper

85 100

87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

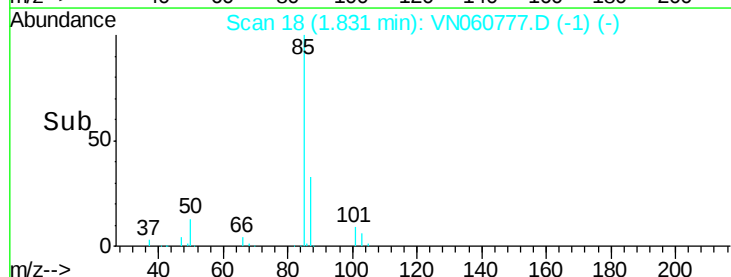
40000

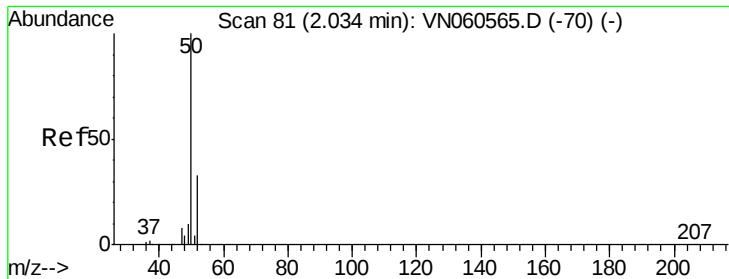
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 47.505 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

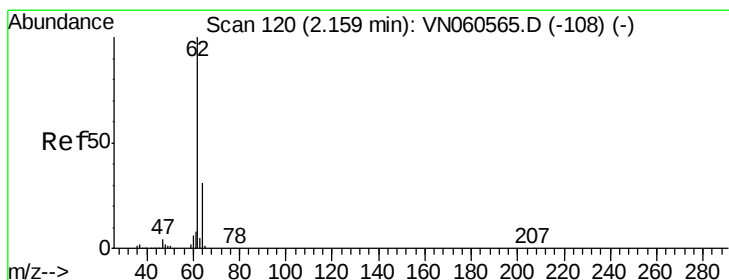
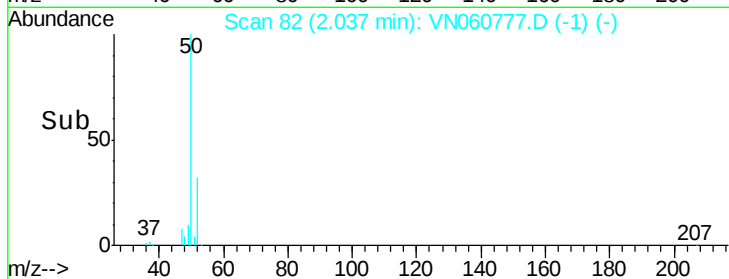
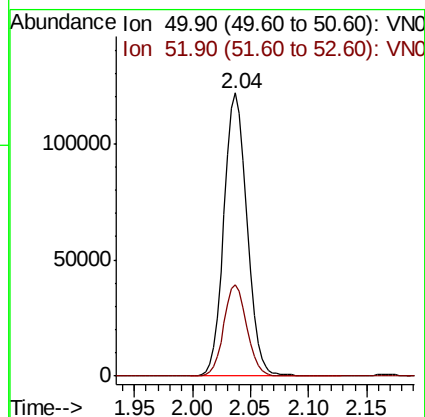
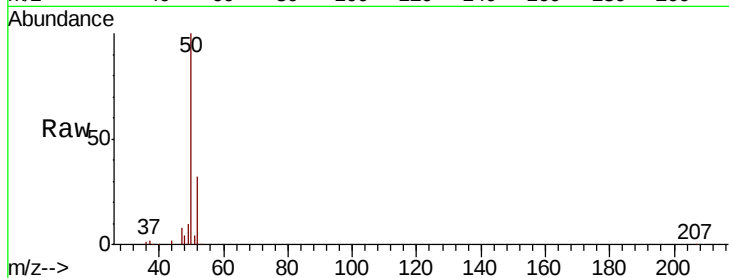
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 168490

Ion Ratio Lower Upper

50 100

52 32.5 26.2 39.2



#4

Vinyl Chloride

Concen: 47.679 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060777.D

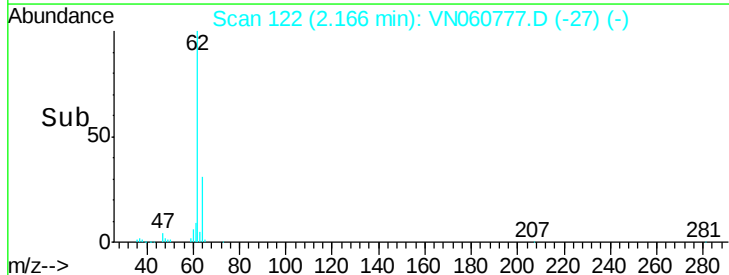
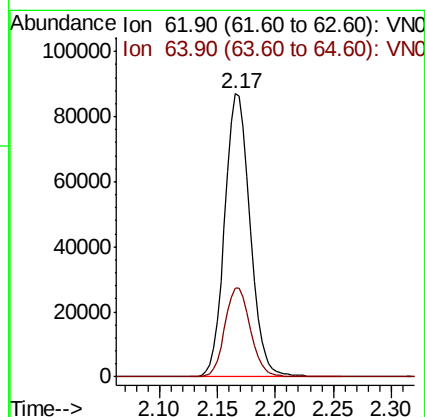
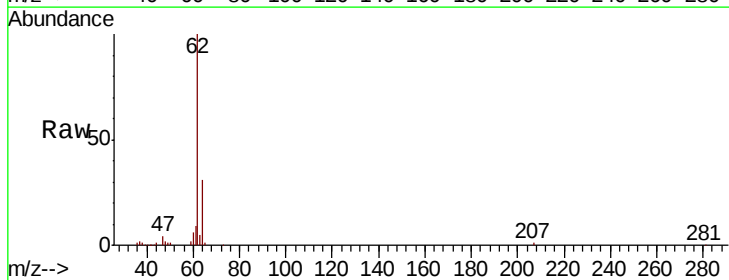
Acq: 31 Mar 2020 10:28

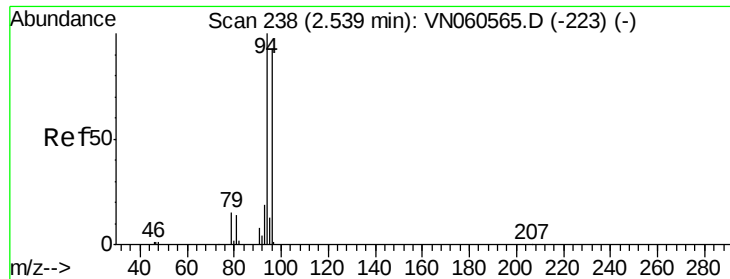
Tgt Ion: 62 Resp: 132269

Ion Ratio Lower Upper

62 100

64 31.2 24.7 37.1





#5

Bromomethane

Concen: 53.617 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

Instrument :

MSVOA_N

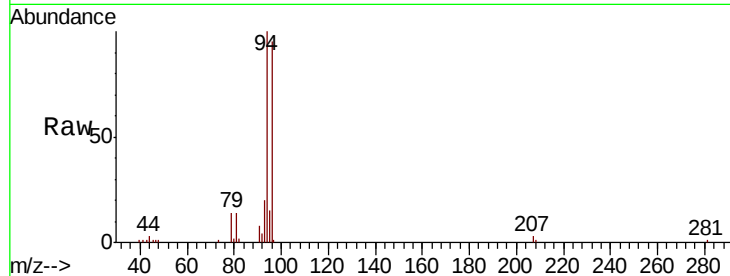
ClientSampleId :

Tot Ion: 94 Resp: 64209

Ion Ratio Lower Upper

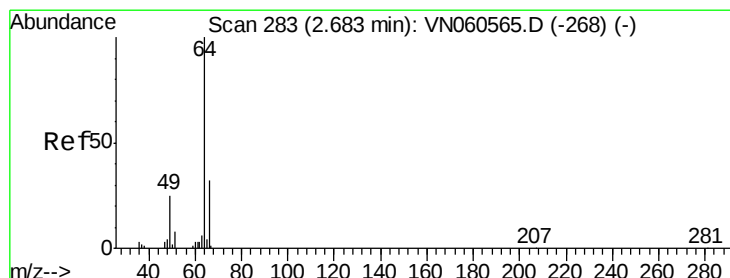
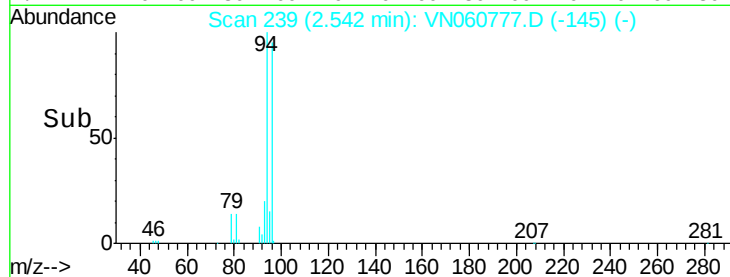
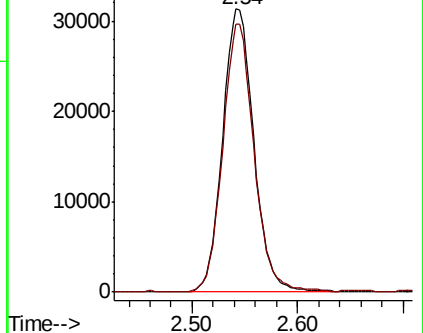
94 100

96 94.6 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN060777.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN060777.D (-145) (-)



#6

Chloroethane

Concen: 52.531 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060777.D

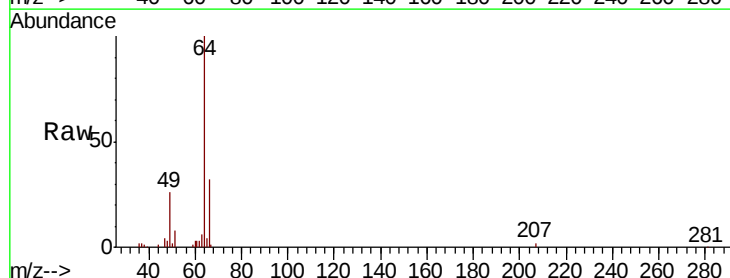
Acq: 31 Mar 2020 10:28

Tgt Ion: 64 Resp: 83947

Ion Ratio Lower Upper

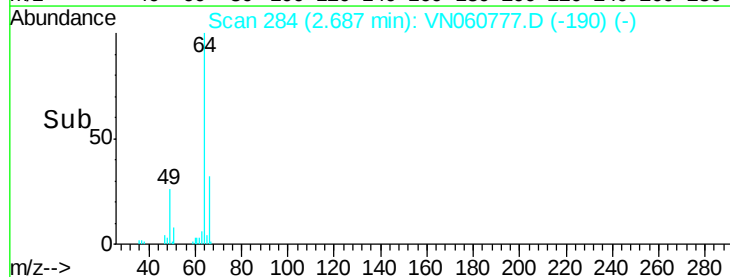
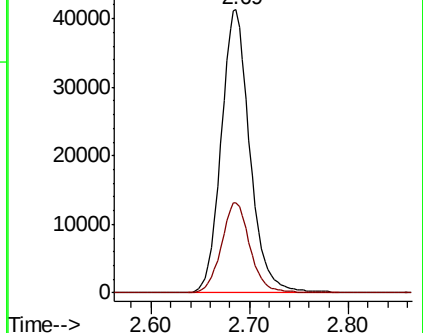
64 100

66 32.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN060777.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN060777.D (-190) (-)



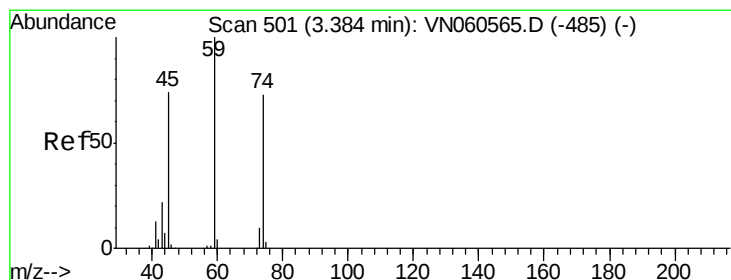
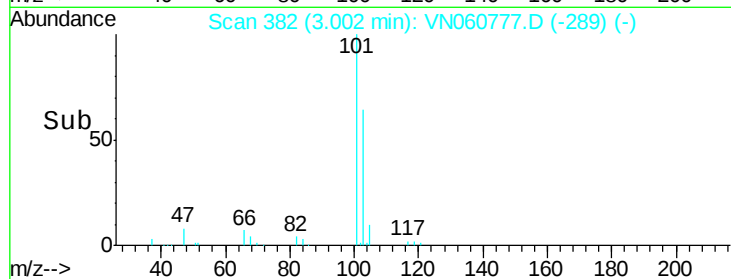
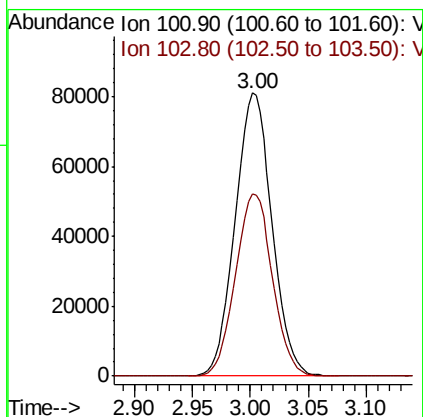
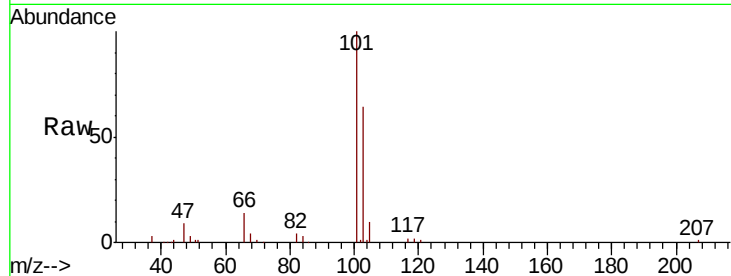


#7

Trichlorofluoromethane
 Concen: 52.184 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060777.D
 Acq: 31 Mar 2020 10:28

Instrument :
 MSVOA_N
 ClientSampled :

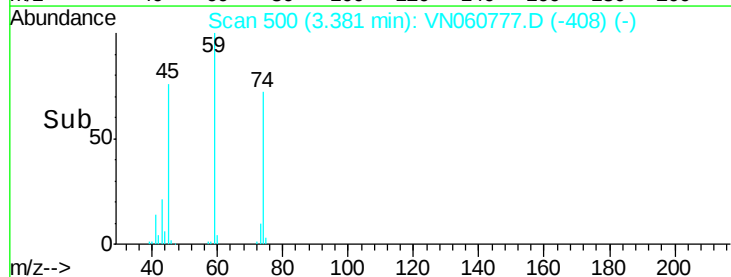
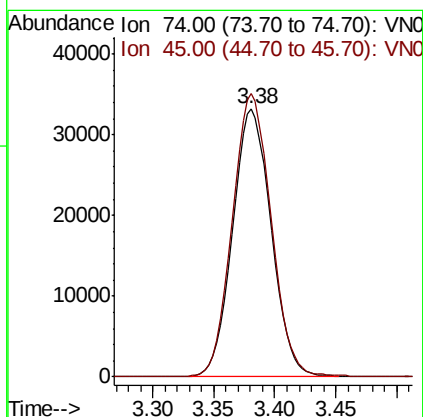
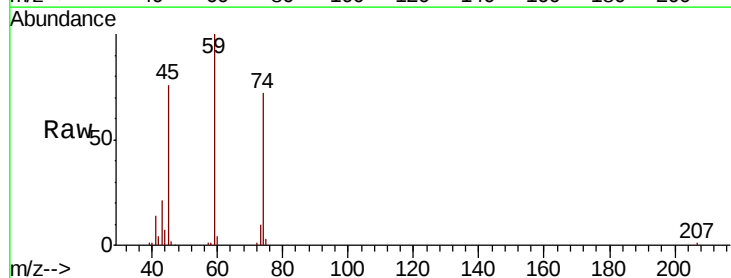
Tot Ion:101 Resp: 178332
 Ion Ratio Lower Upper
 101 100
 103 64.2 50.6 76.0



#8

Diethyl Ether
 Concen: 53.158 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060777.D
 Acq: 31 Mar 2020 10:28

Tgt Ion: 74 Resp: 72977
 Ion Ratio Lower Upper
 74 100
 45 106.3 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.889 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

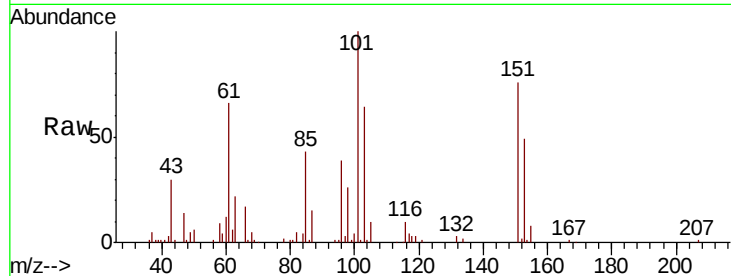
Tot Ion:101 Resp: 108690

Ion Ratio Lower Upper

101 100

85 44.9 35.6 53.4

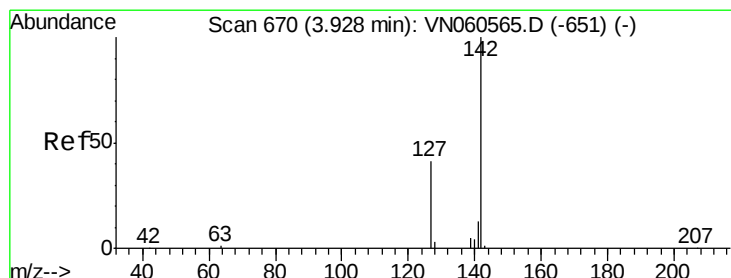
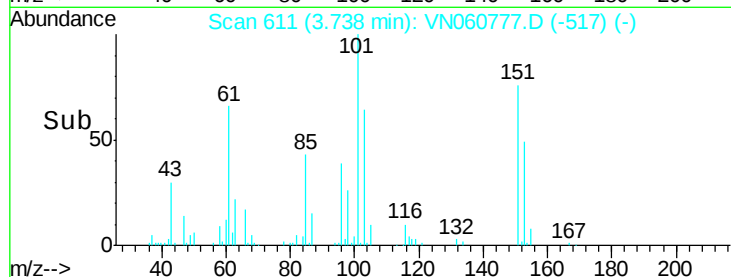
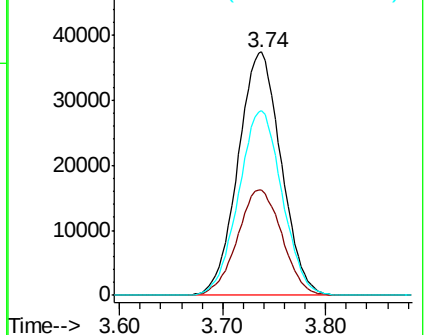
151 76.7 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.992 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

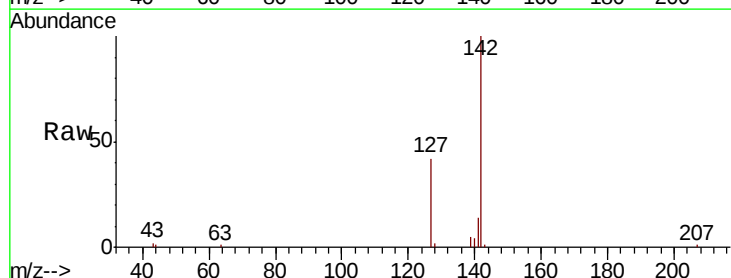
Tgt Ion:142 Resp: 88086

Ion Ratio Lower Upper

142 100

127 41.3 33.5 50.3

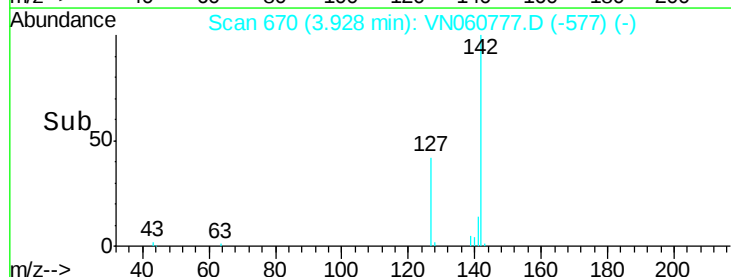
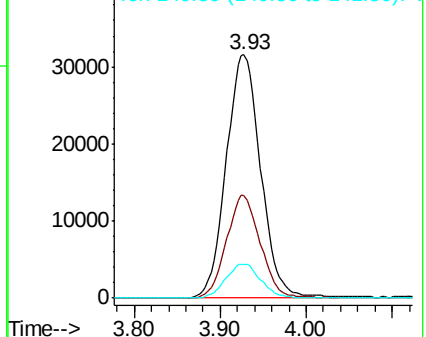
141 14.1 11.0 16.6

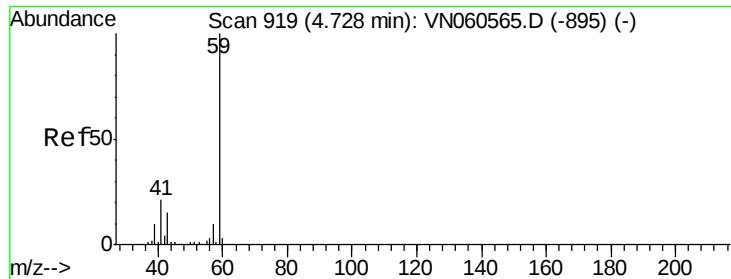


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



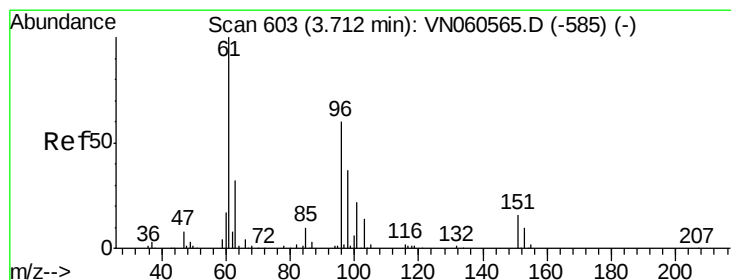
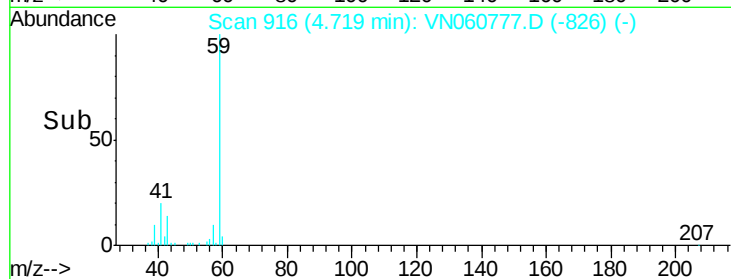
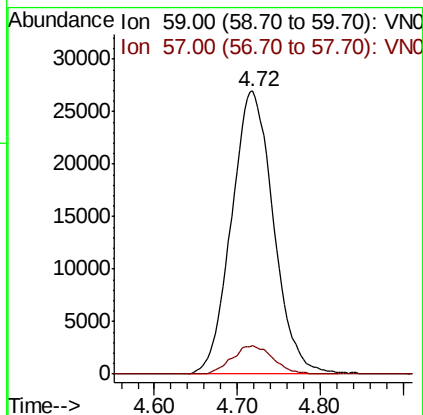
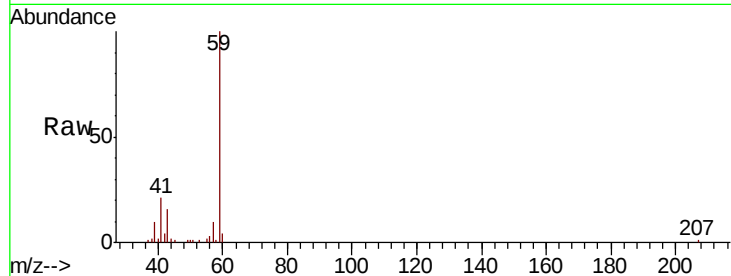


#11

Tert butyl alcohol
Concen: 239.133 ug/l
RT: 4.72 min Scan# 916
Delta R.T. -0.01 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampled :

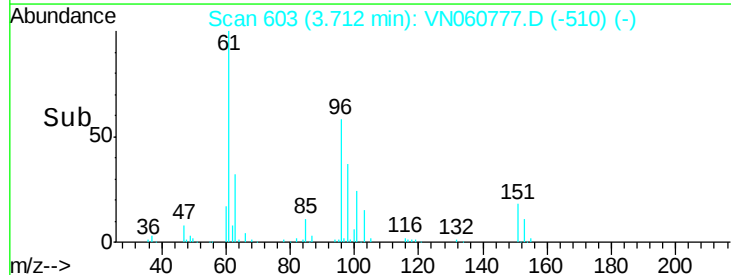
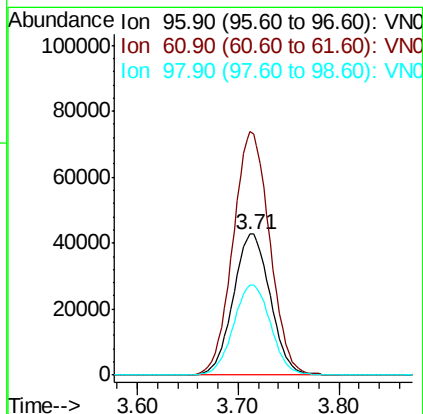
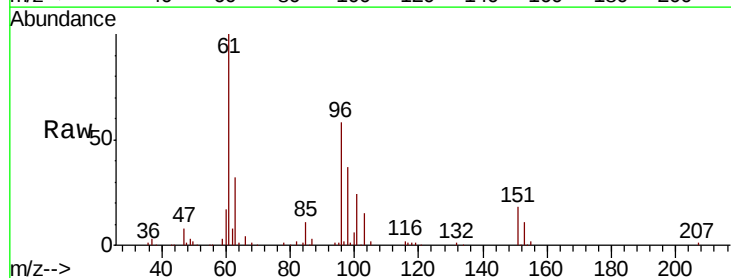
Tot Ion: 59 Resp: 94755
Ion Ratio Lower Upper
59 100
57 9.9 8.2 12.4

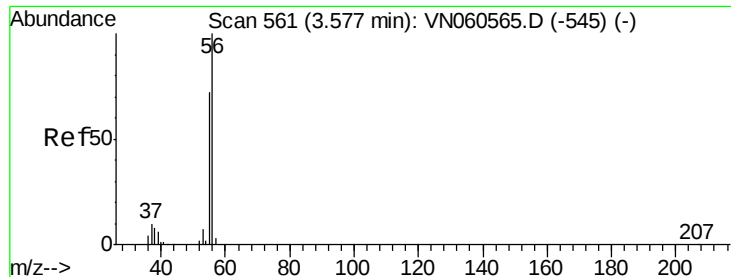


#12

1,1-Dichloroethene
Concen: 51.280 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

Tgt Ion: 96 Resp: 108968
Ion Ratio Lower Upper
96 100
61 172.7 134.1 201.1
98 63.7 49.9 74.9





#13

Acrolein

Concen: 296.585 ug/l

RT: 3.57 min Scan# 559

Delta R.T. -0.01 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

Instrument :

MSVOA_N

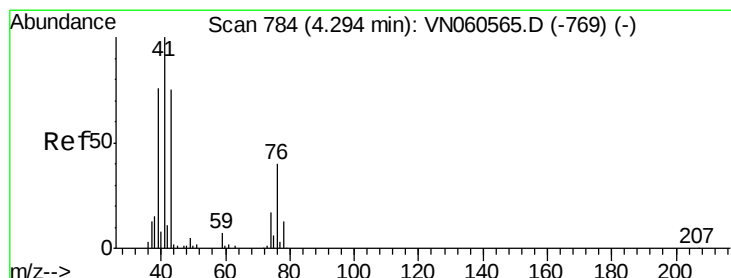
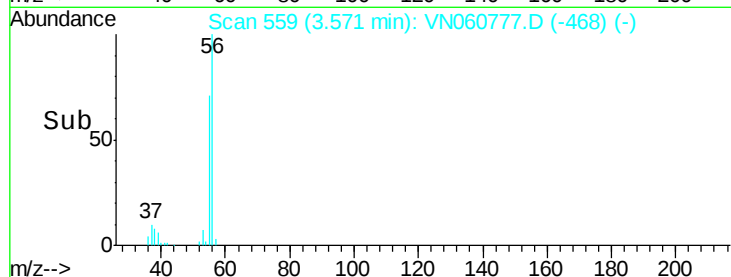
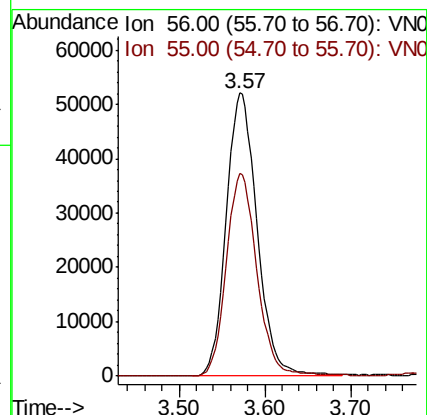
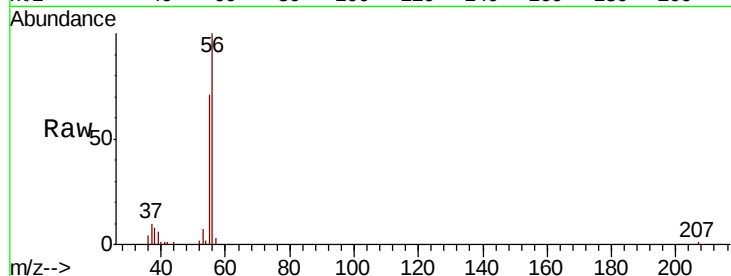
ClientSampleId :

Tot Ion: 56 Resp: 130247

Ion Ratio Lower Upper

56 100

55 70.6 56.7 85.1



#14

Allyl chloride

Concen: 52.732 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

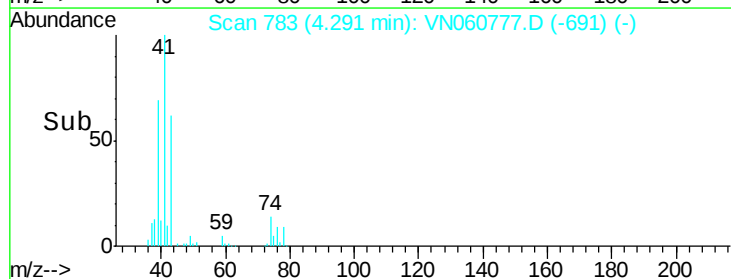
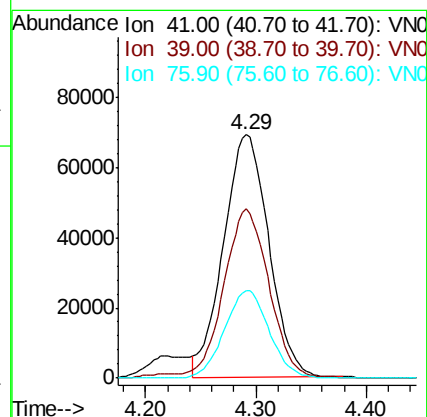
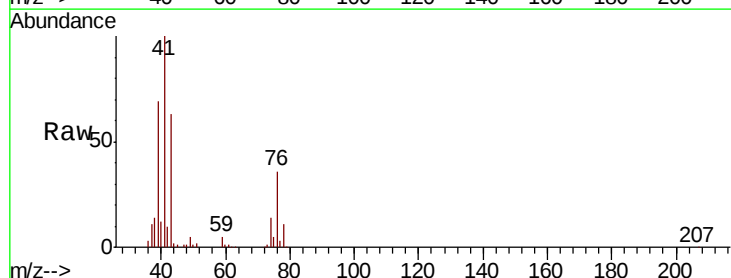
Tgt Ion: 41 Resp: 197077

Ion Ratio Lower Upper

41 100

39 70.8 57.8 86.8

76 35.6 28.6 43.0





#15

Acrylonitrile

Concen: 265.185 ug/l

RT: 4.94 min Scan# 984

Delta R.T. -0.01 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampled :

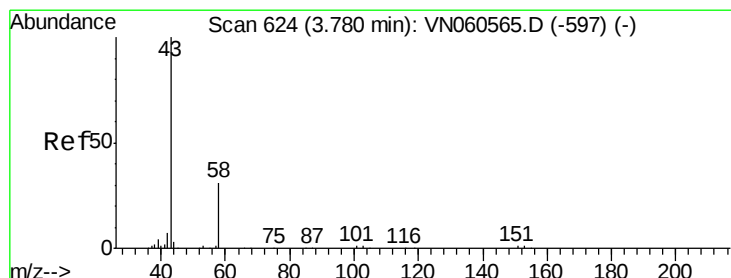
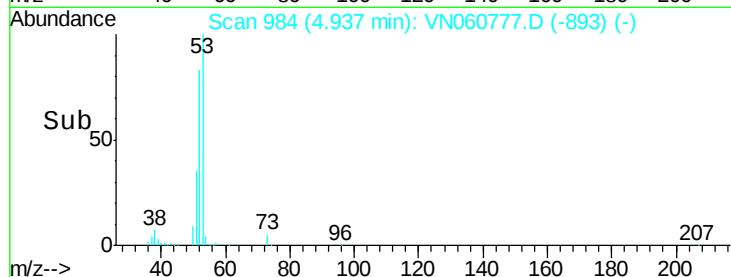
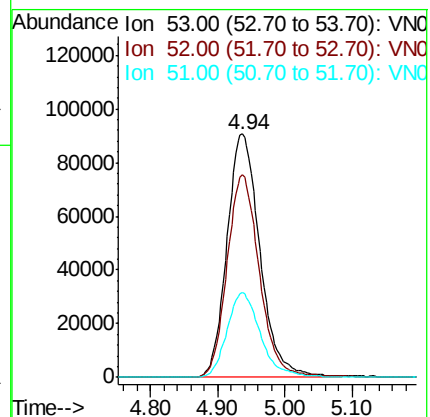
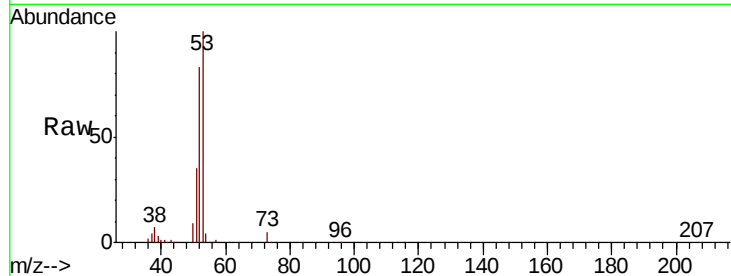
Tot Ion: 53 Resp: 308991

Ion Ratio Lower Upper

53 100

52 81.8 66.2 99.4

51 35.5 28.7 43.1



#16

Acetone

Concen: 377.114 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.01 min

Lab File: VN060777.D

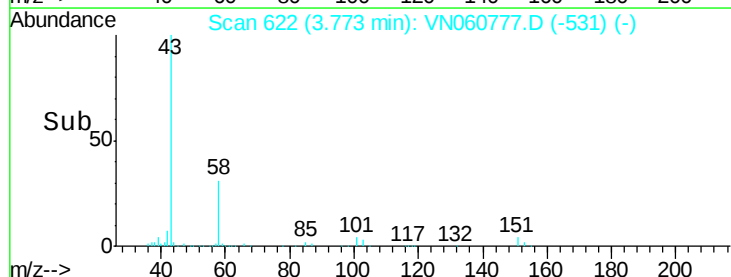
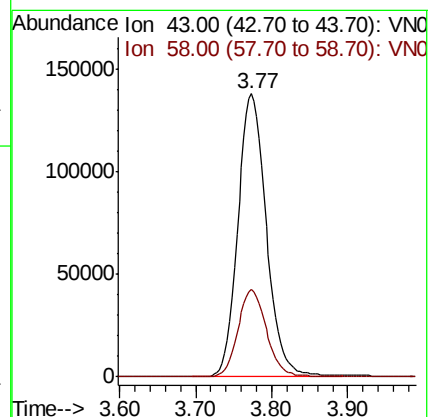
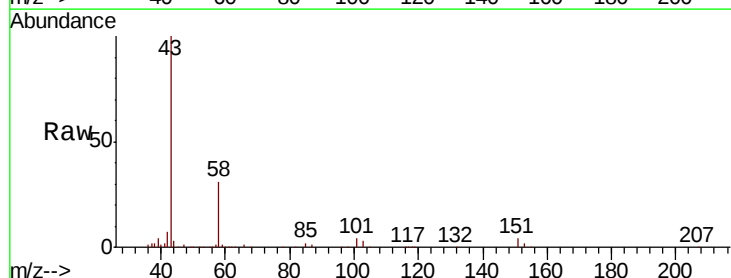
Acq: 31 Mar 2020 10:28

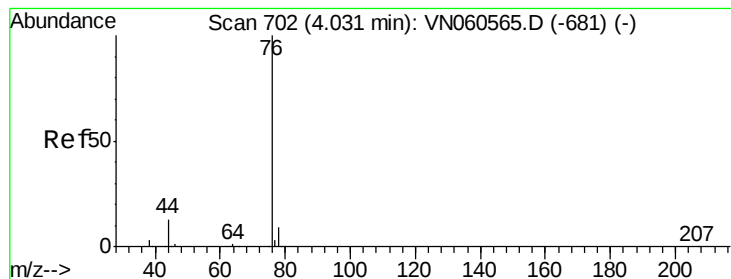
Tgt Ion: 43 Resp: 359907

Ion Ratio Lower Upper

43 100

58 30.8 25.1 37.7





#17

Carbon Disulfide

Concen: 49.231 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

Instrument :

MSVOA_N

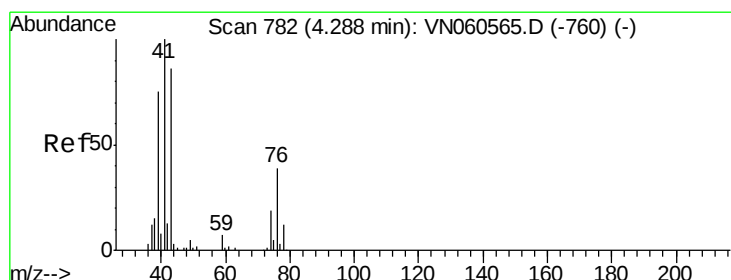
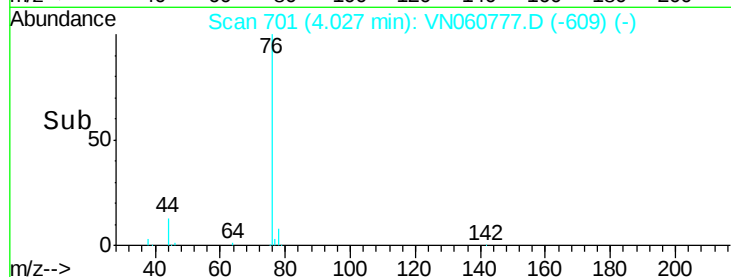
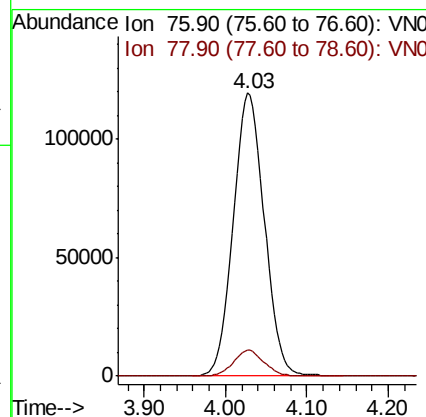
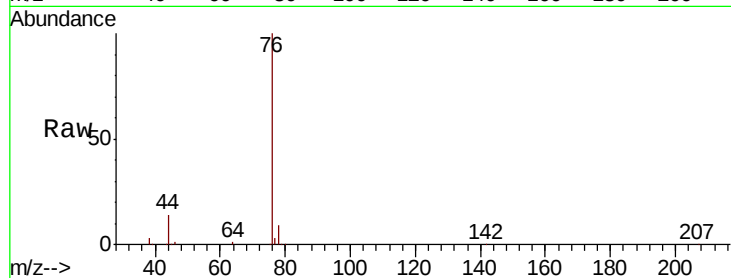
ClientSampleId :

Tot Ion: 76 Resp: 318161

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



#18

Methyl Acetate

Concen: 53.714 ug/l

RT: 4.28 min Scan# 780

Delta R.T. -0.01 min

Lab File: VN060777.D

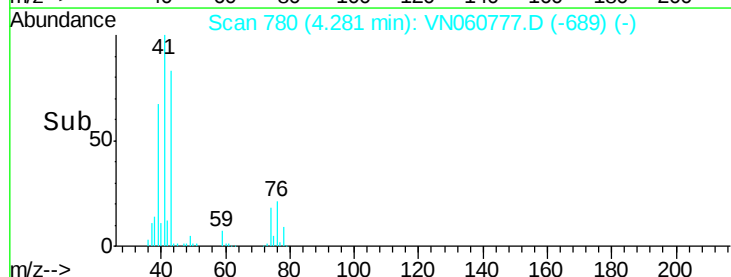
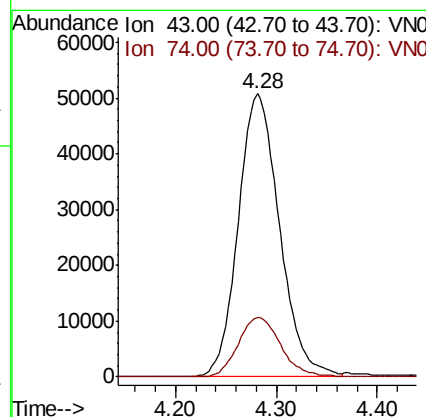
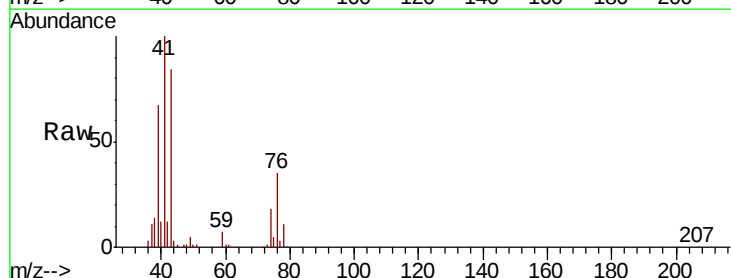
Acq: 31 Mar 2020 10:28

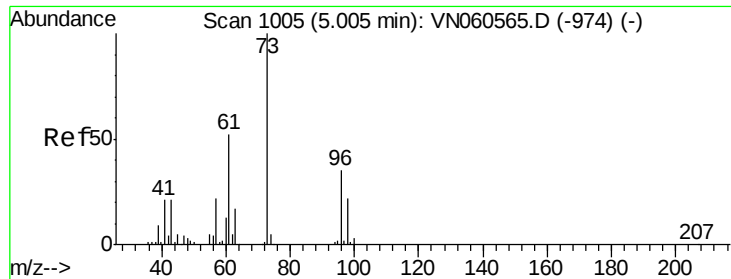
Tgt Ion: 43 Resp: 144291

Ion Ratio Lower Upper

43 100

74 21.8 17.5 26.3

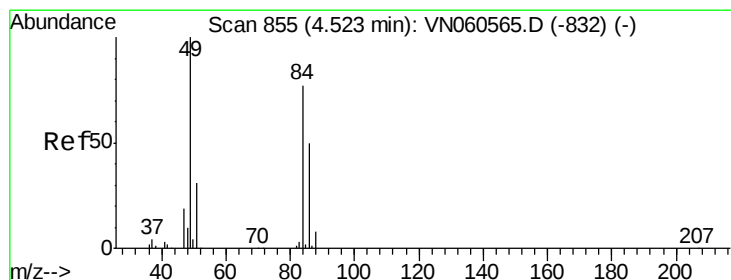
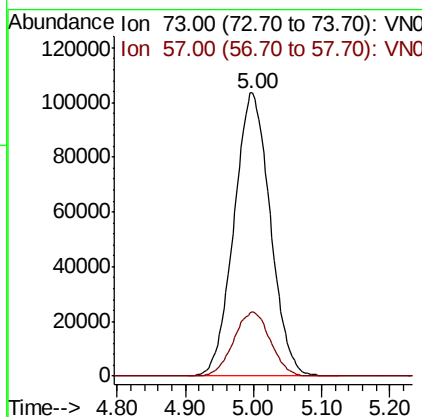
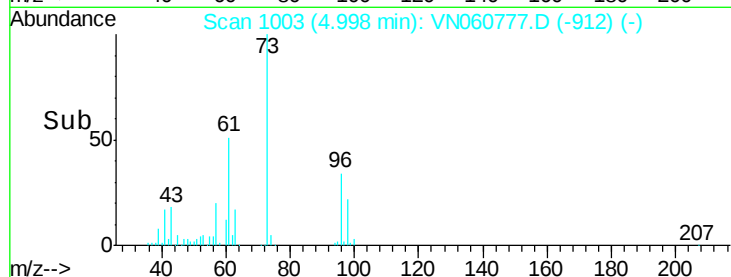
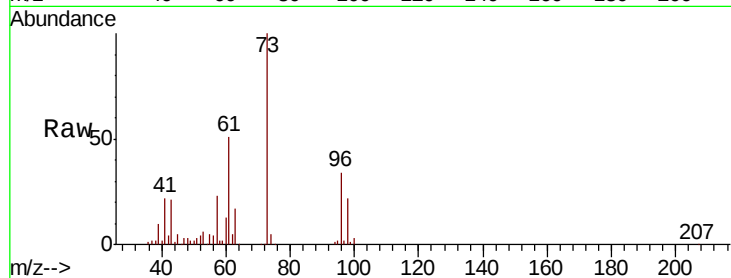




#19
Methyl tert-butyl Ether
Concen: 52.294 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

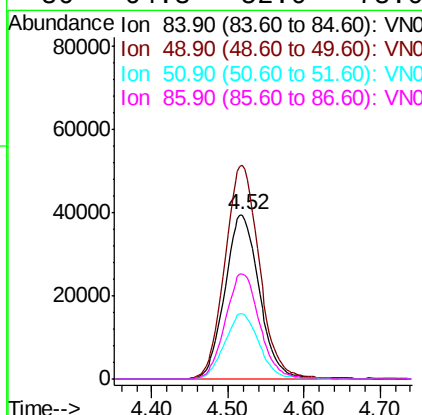
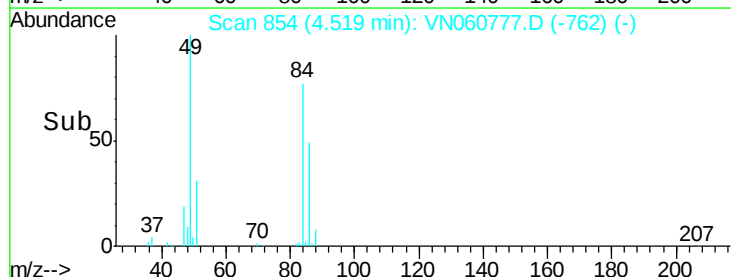
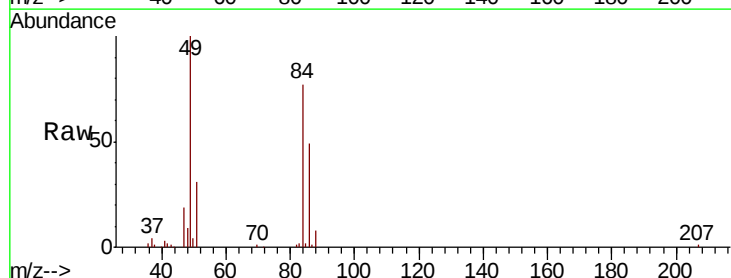
Instrument :
MSVOA_N
ClientSampleId :

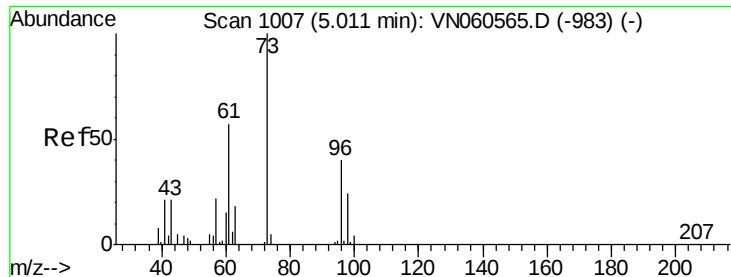
Tot Ion: 73 Resp: 382054
Ion Ratio Lower Upper
73 100
57 22.7 17.5 26.3



#20
Methylene Chloride
Concen: 52.905 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

Tgt Ion: 84 Resp: 124206
Ion Ratio Lower Upper
84 100
49 130.3 103.3 154.9
51 40.0 31.6 47.4
86 64.3 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 52.195 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

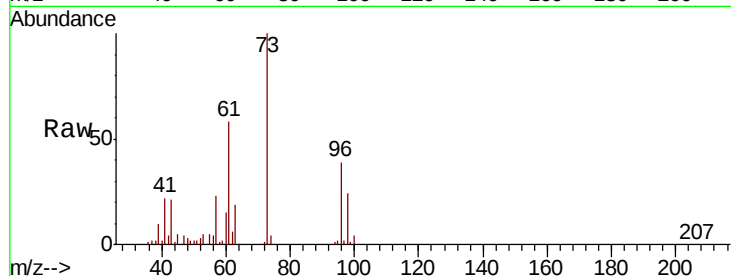
Tot Ion: 96 Resp: 118207

Ion Ratio Lower Upper

96 100

61 148.8 114.4 171.6

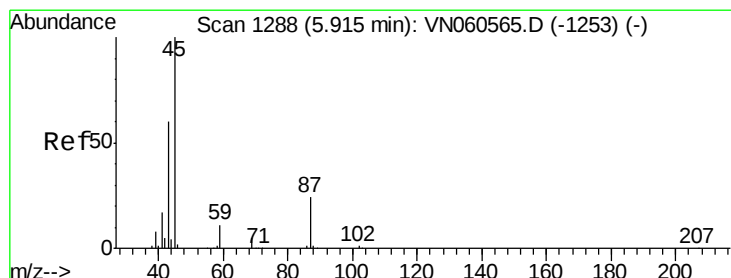
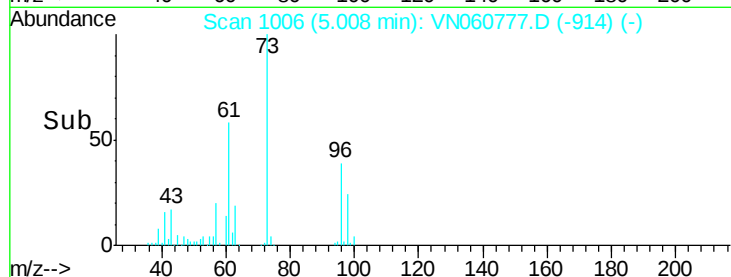
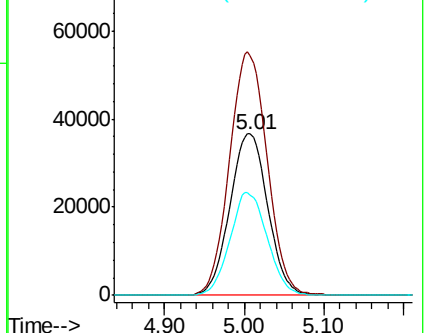
98 62.2 48.4 72.6



Abundance Ion 95.90 (95.60 to 96.60): VN060777.D (-1195) (-)

Ion 60.90 (60.60 to 61.60): VN060777.D (-1195) (-)

Ion 97.90 (97.60 to 98.60): VN060777.D (-1195) (-)



#22

Diisopropyl ether

Concen: 55.648 ug/l

RT: 5.91 min Scan# 1286

Delta R.T. -0.01 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

Tgt Ion: 45 Resp: 439383

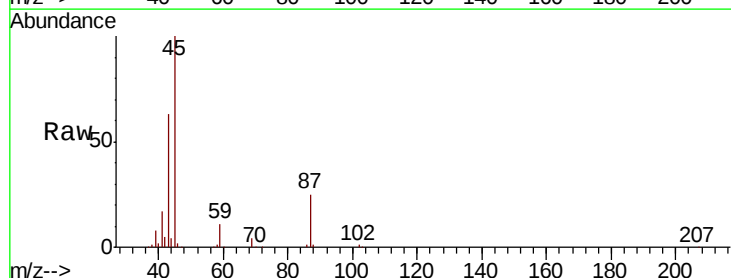
Ion Ratio Lower Upper

45 100

43 62.3 49.8 74.8

87 24.9 20.1 30.1

59 11.3 9.2 13.8

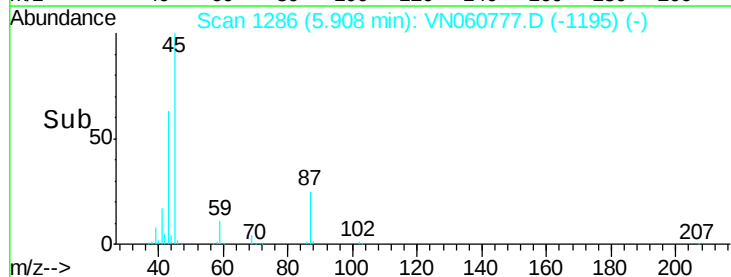
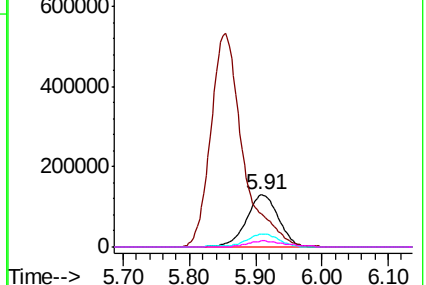


Abundance Ion 45.00 (44.70 to 45.70): VN060777.D (-1195) (-)

Ion 43.00 (42.70 to 43.70): VN060777.D (-1195) (-)

Ion 87.00 (86.70 to 87.70): VN060777.D (-1195) (-)

Ion 59.00 (58.70 to 59.70): VN060777.D (-1195) (-)





#23

Vinyl Acetate

Concen: 277.866 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

Instrument :

MSVOA_N

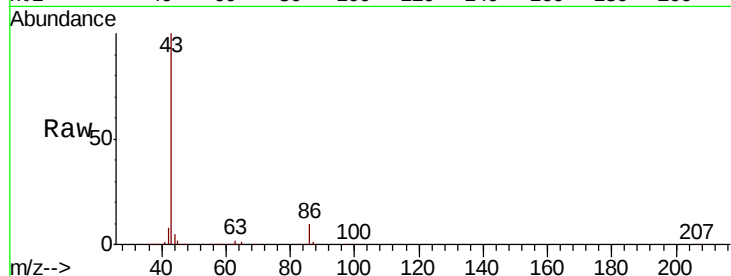
ClientSampleId :

Tot Ion: 43 Resp: 1790107

Ion Ratio Lower Upper

43 100

86 9.5 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN060777.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060777.D (-1178) (-)

5.85

600000

500000

400000

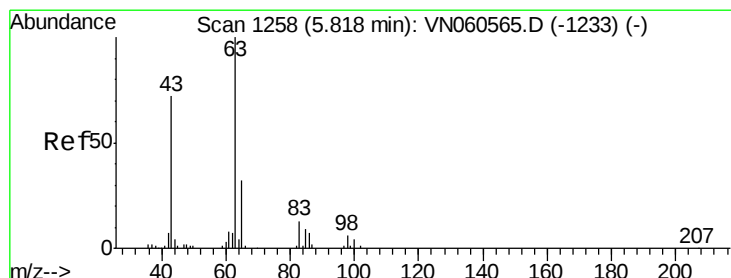
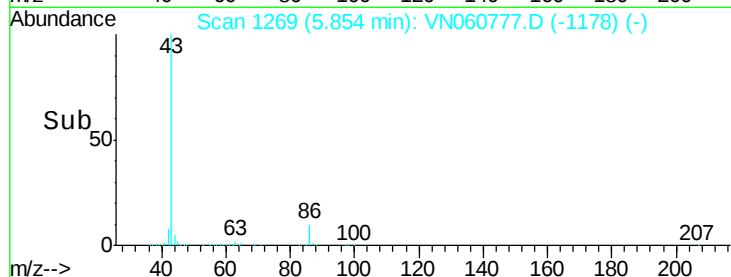
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 54.259 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

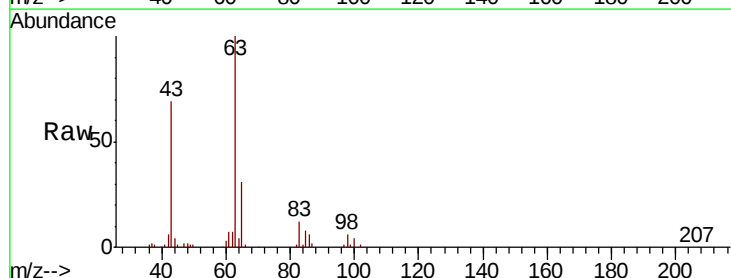
Tgt Ion: 63 Resp: 233554

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.7

100 3.9 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN060777.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060777.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060777.D (-1165) (-)

5.81

100000

80000

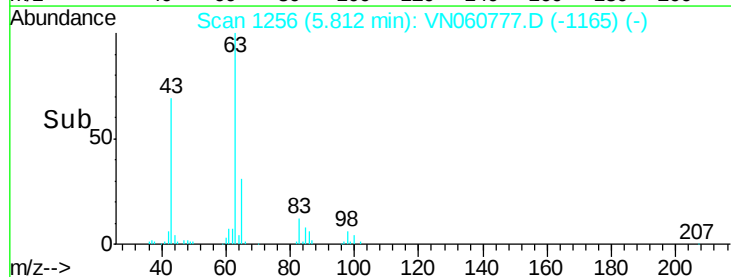
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 299.238 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

Instrument :

MSVOA_N

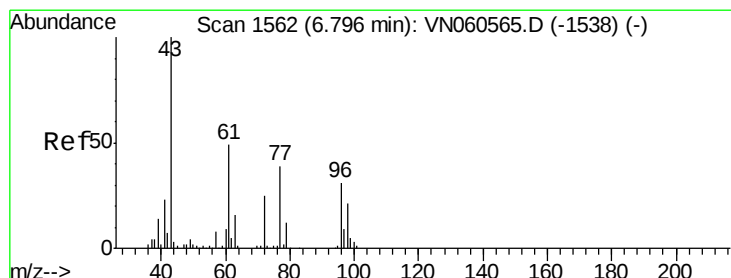
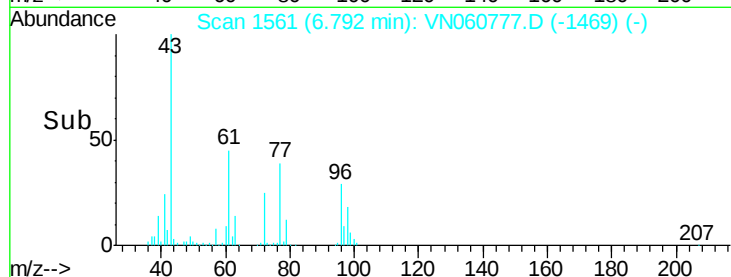
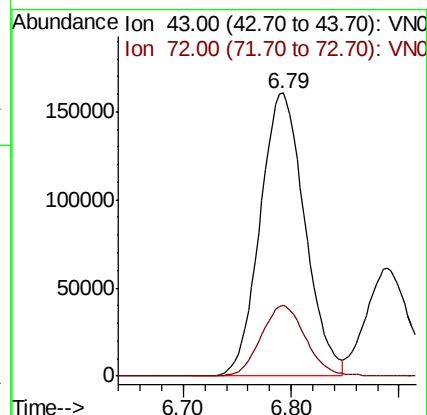
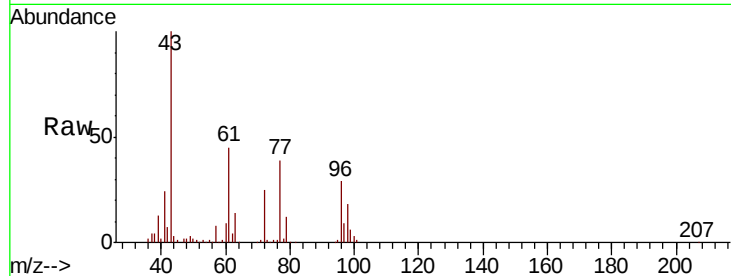
ClientSampled :

Tot Ion: 43 Resp: 462125

Ion Ratio Lower Upper

43 100

72 25.0 20.4 30.6



#26

2,2-Dichloropropane

Concen: 59.433 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060777.D

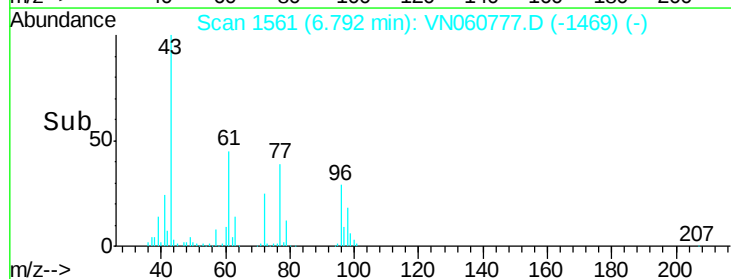
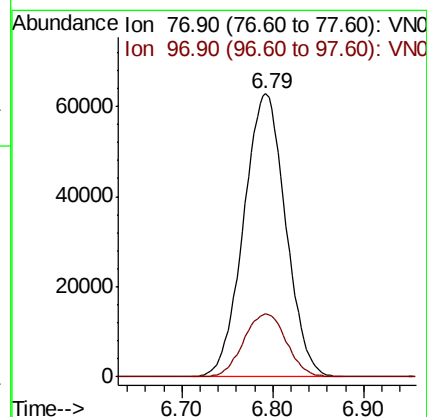
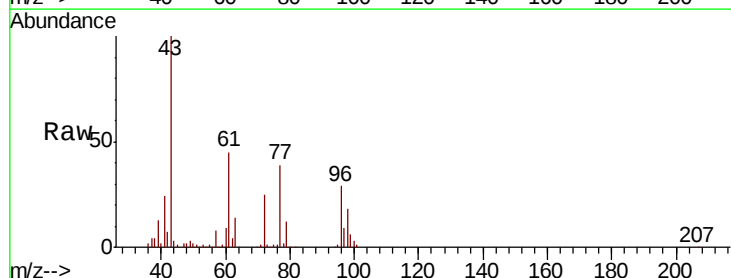
Acq: 31 Mar 2020 10:28

Tgt Ion: 77 Resp: 201278

Ion Ratio Lower Upper

77 100

97 22.7 11.4 34.1

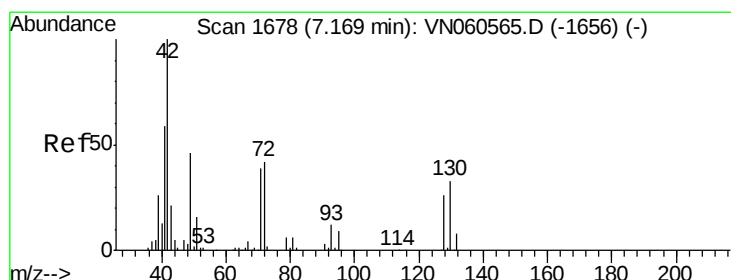
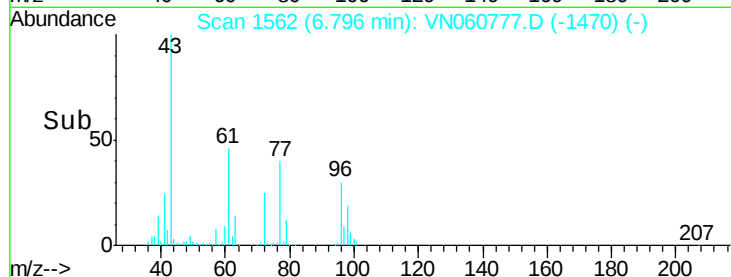
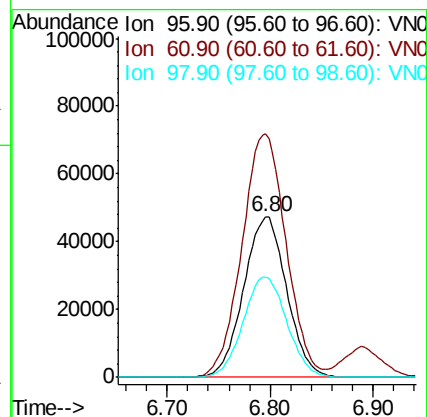
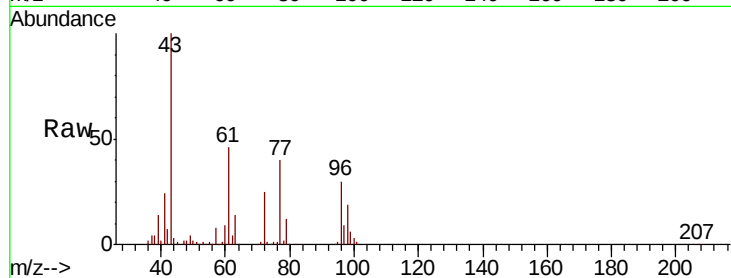




#27
 cis-1,2-Dichloroethene
 Concen: 53.377 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060777.D
 Acq: 31 Mar 2020 10:28

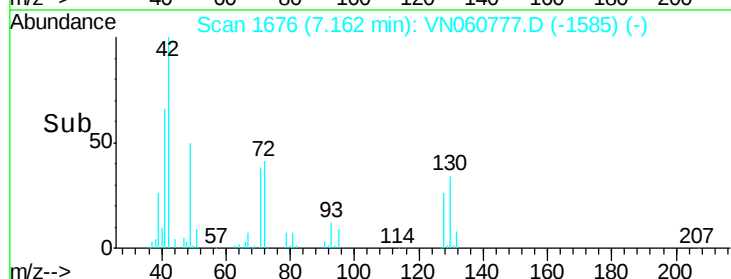
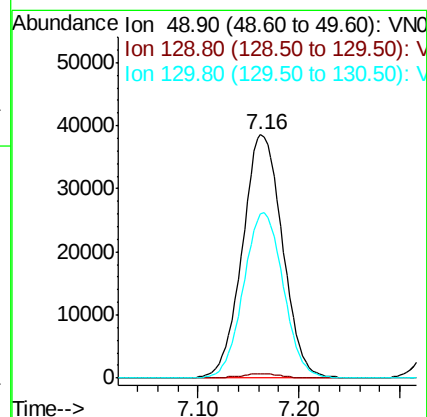
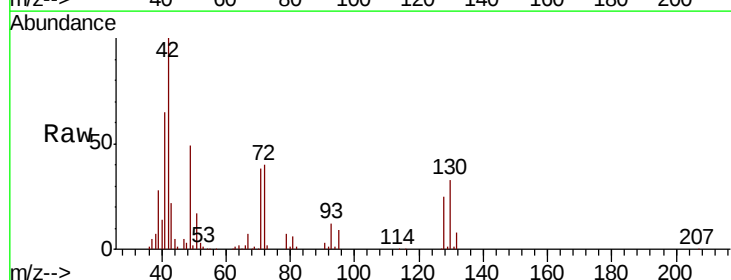
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 96 Resp: 137372
 Ion Ratio Lower Upper
 96 100
 61 155.7 0.0 305.6
 98 63.6 0.0 127.6



#28
 Bromochloromethane
 Concen: 51.592 ug/l
 RT: 7.16 min Scan# 1676
 Delta R.T. -0.01 min
 Lab File: VN060777.D
 Acq: 31 Mar 2020 10:28

Tgt Ion: 49 Resp: 106249
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.4
 130 67.4 55.0 82.4

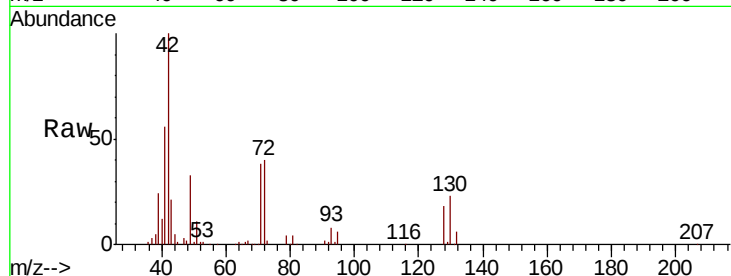




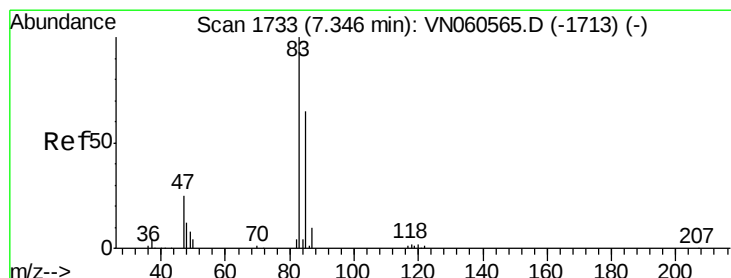
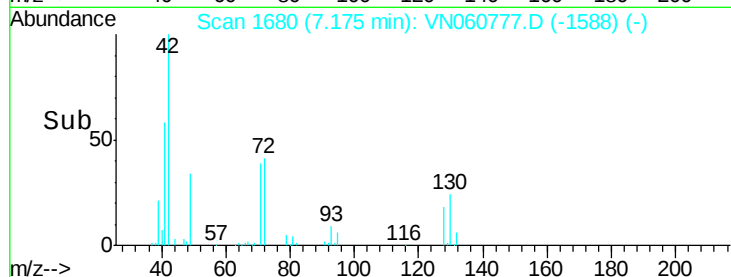
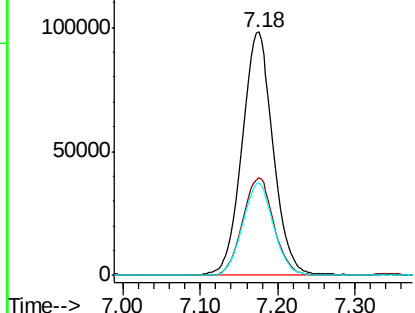
#29
Tetrahydrofuran
Concen: 251.638 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 274960
Ion Ratio Lower Upper
42 100
72 40.3 33.2 49.8
71 37.9 31.1 46.7

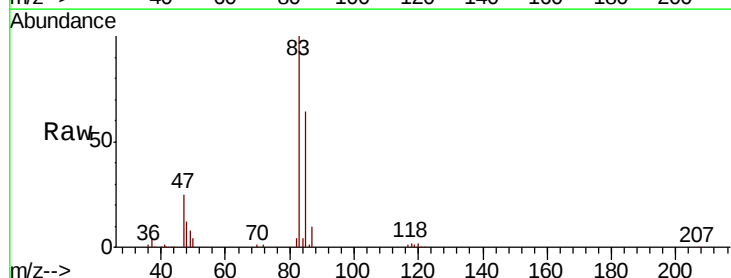


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

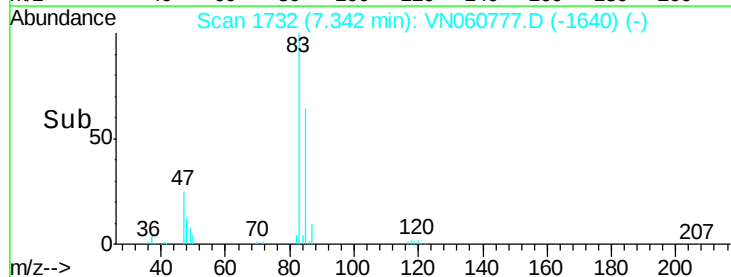
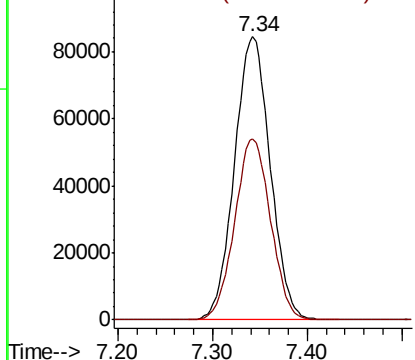


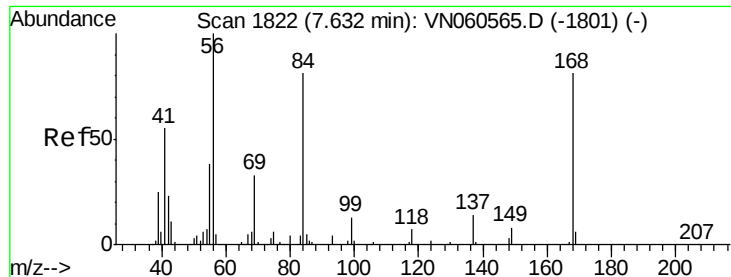
#30
Chloroform
Concen: 53.767 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

Tgt Ion: 83 Resp: 221865
Ion Ratio Lower Upper
83 100
85 64.1 51.8 77.8



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

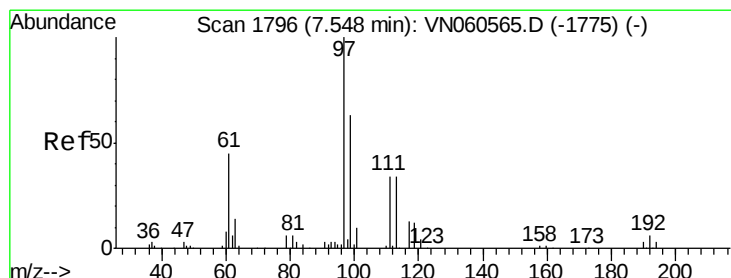
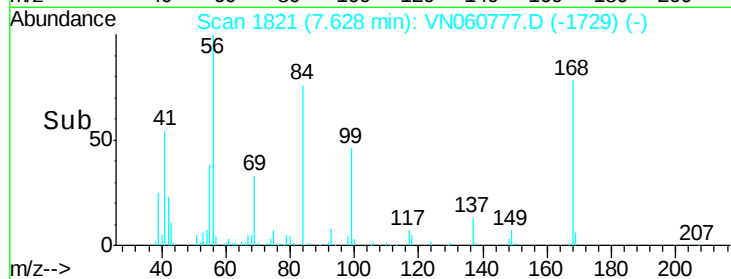
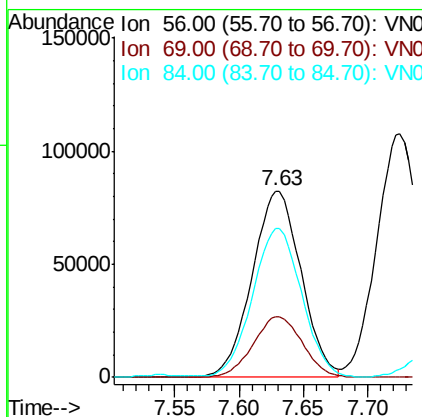
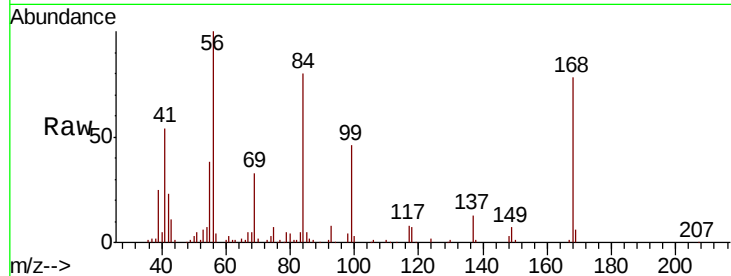




#31
Cyclohexane
Concen: 50.109 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

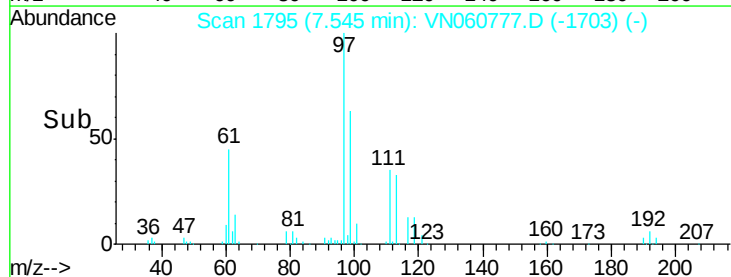
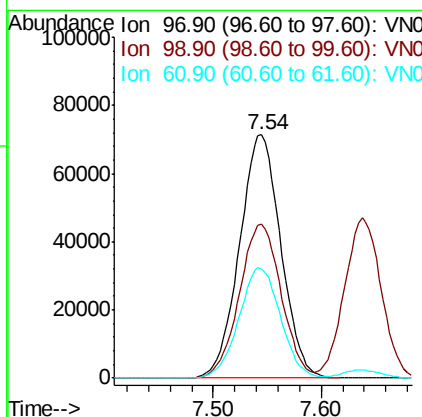
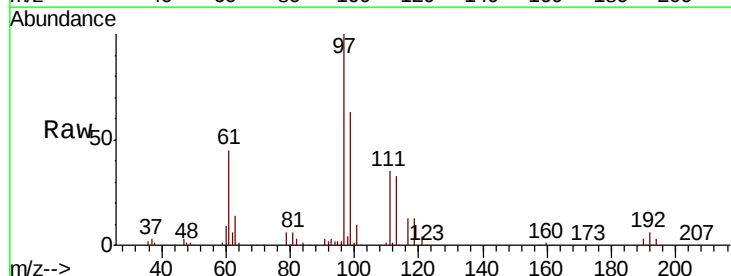
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 217444
Ion Ratio Lower Upper
56 100
69 32.5 26.6 40.0
84 78.9 64.3 96.5



#32
1,1,1-Trichloroethane
Concen: 53.329 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

Tgt Ion: 97 Resp: 189708
Ion Ratio Lower Upper
97 100
99 64.3 50.6 75.8
61 46.0 36.2 54.4





#33

1,2-Dichloroethane-d4

Concen: 49.661 ug/l

RT: 8.00 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

Instrument :

MSVOA_N

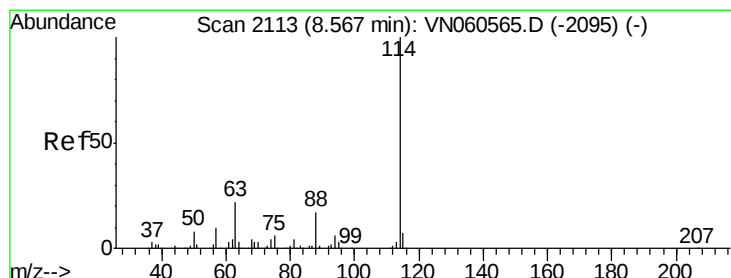
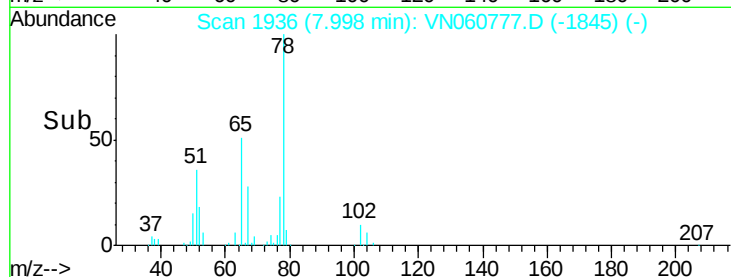
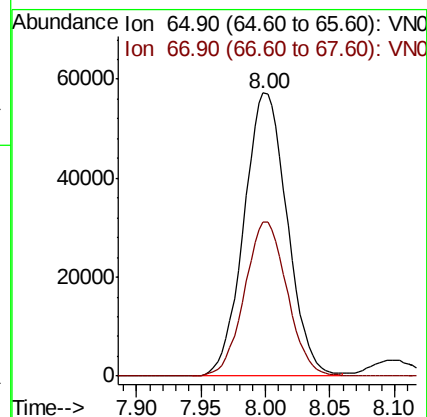
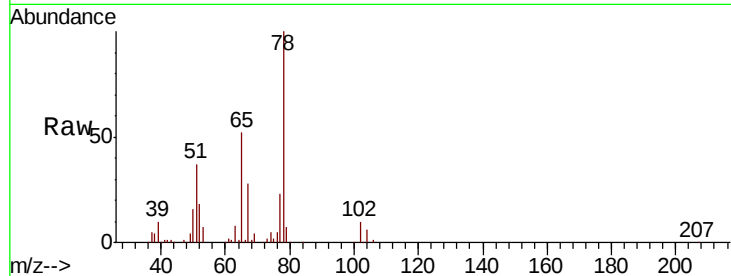
ClientSampleId :

Tot Ion: 65 Resp: 133801

Ion Ratio Lower Upper

65 100

67 53.5 0.0 107.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

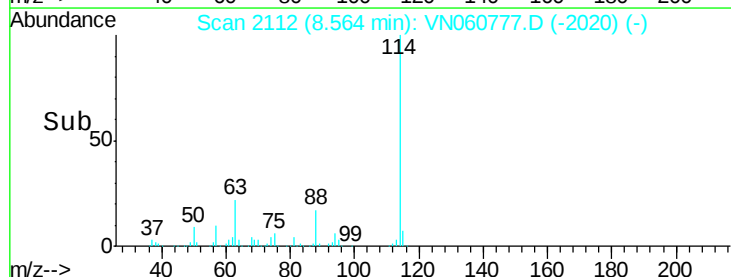
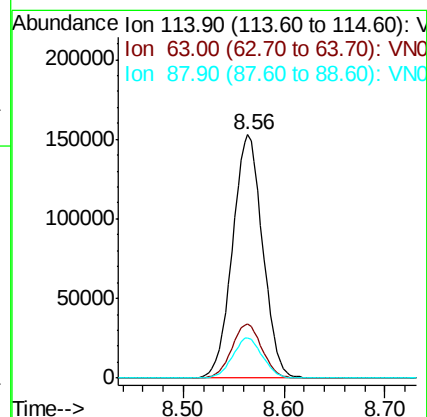
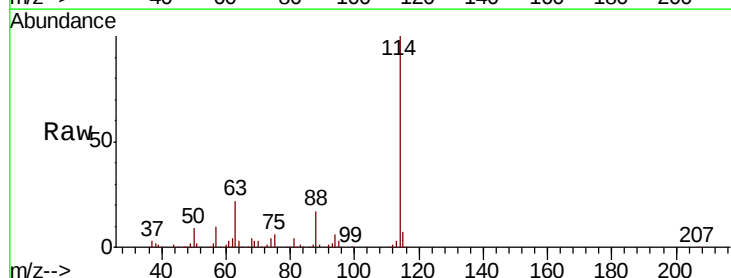
Tgt Ion: 114 Resp: 317529

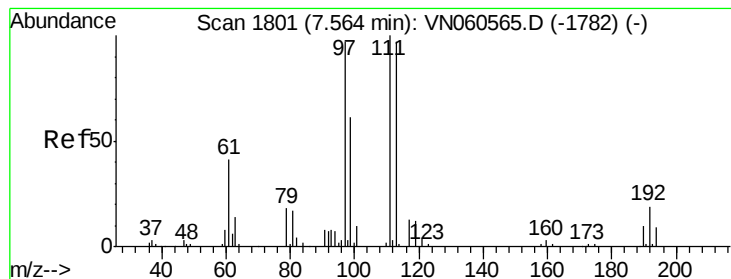
Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.8

88 16.6 0.0 33.0





#35

Dibromofluoromethane

Concen: 52.389 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampled :

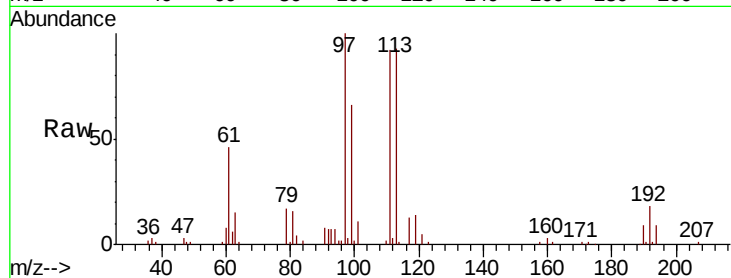
Tot Ion:113 Resp: 100587

Ion Ratio Lower Upper

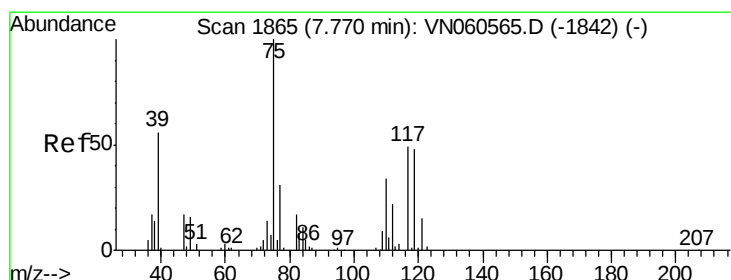
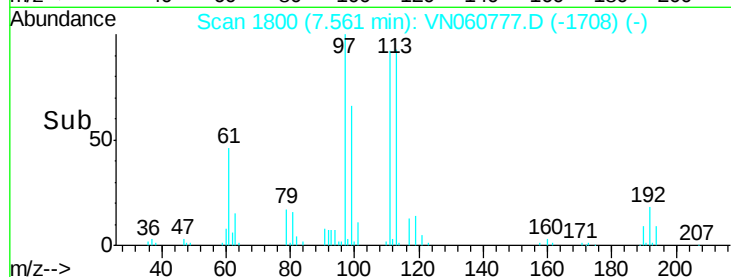
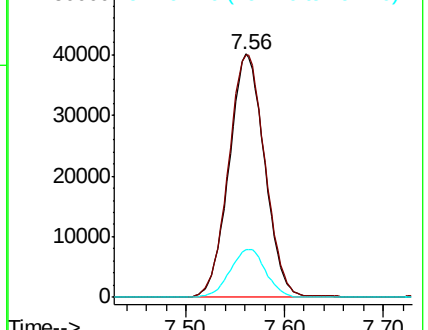
113 100

111 102.2 82.9 124.3

192 19.8 15.8 23.8



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 55.657 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

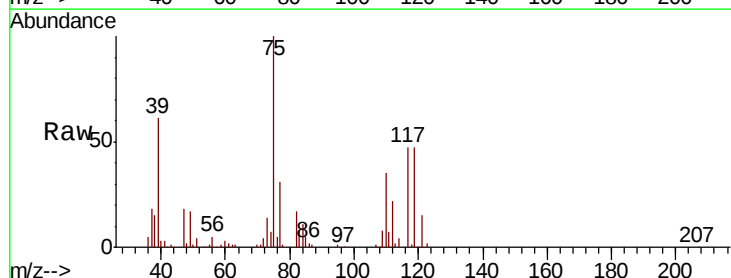
Tgt Ion: 75 Resp: 171127

Ion Ratio Lower Upper

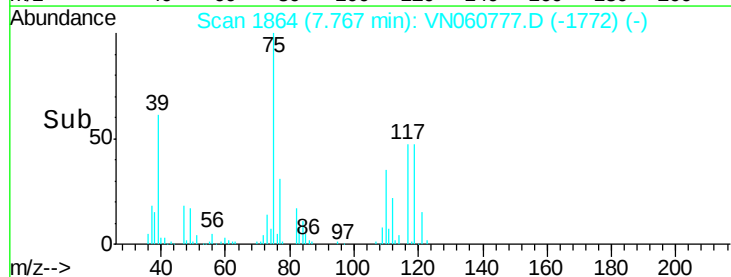
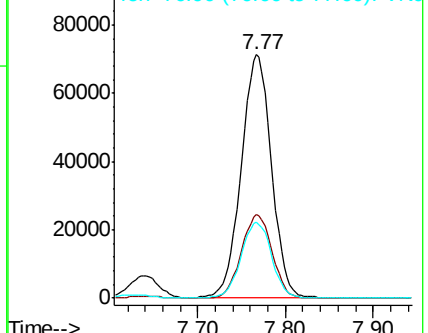
75 100

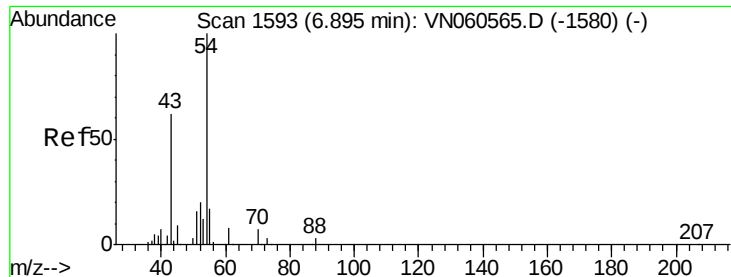
110 34.6 16.9 50.6

77 31.4 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

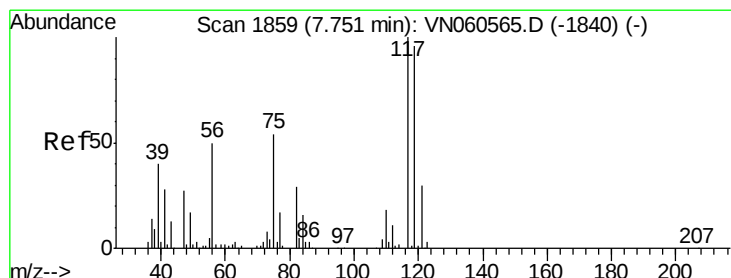
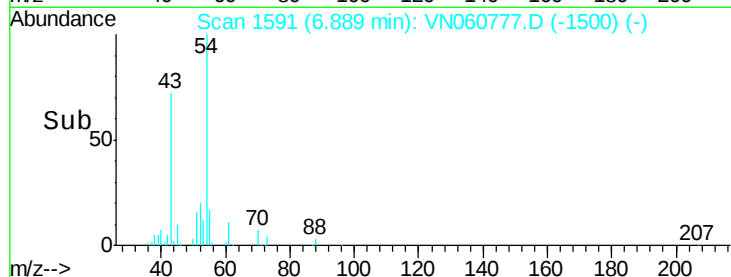
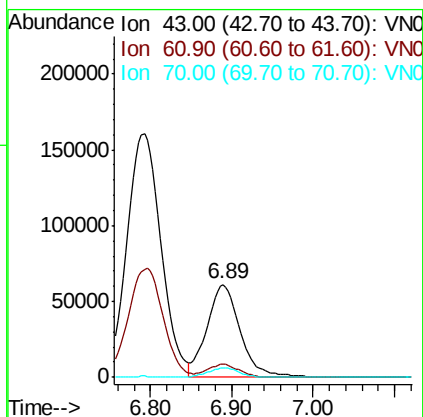
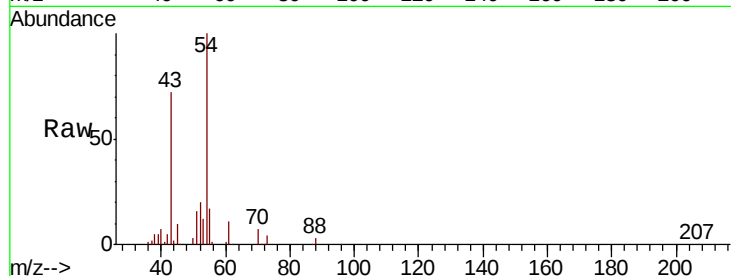




#37
Ethyl Acetate
Concen: 52.188 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

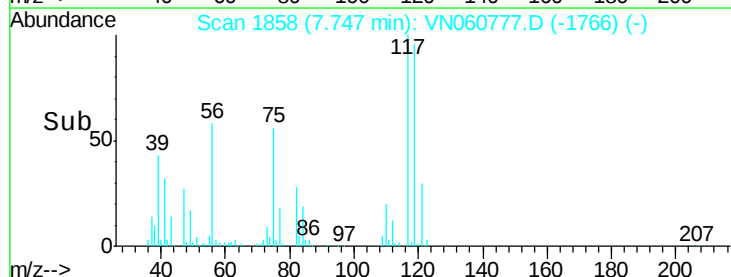
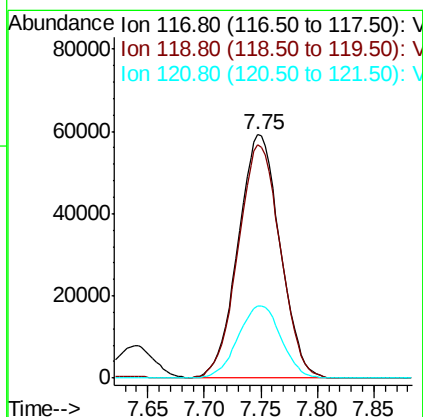
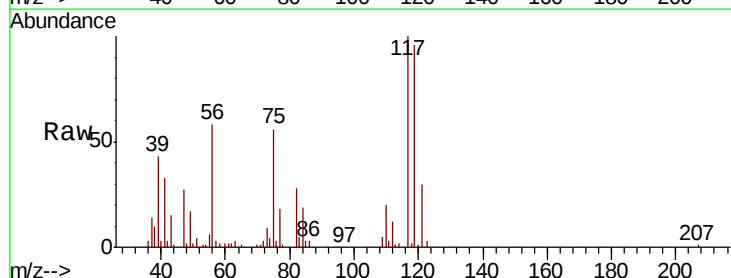
Instrument :
MSVOA_N
ClientSampled :

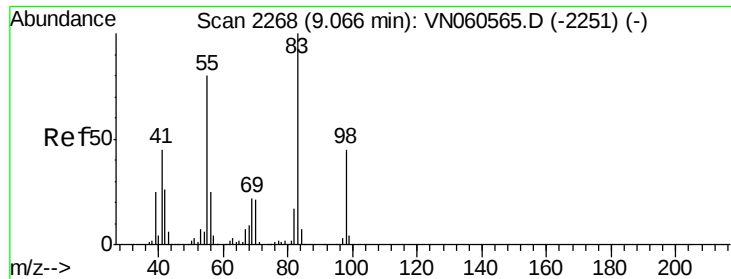
Tot Ion: 43 Resp: 173382
Ion Ratio Lower Upper
43 100
61 14.1 10.6 15.8
70 9.9 7.9 11.9



#38
Carbon Tetrachloride
Concen: 55.469 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

Tgt Ion: 117 Resp: 152855
Ion Ratio Lower Upper
117 100
119 95.8 76.2 114.2
121 29.7 23.7 35.5

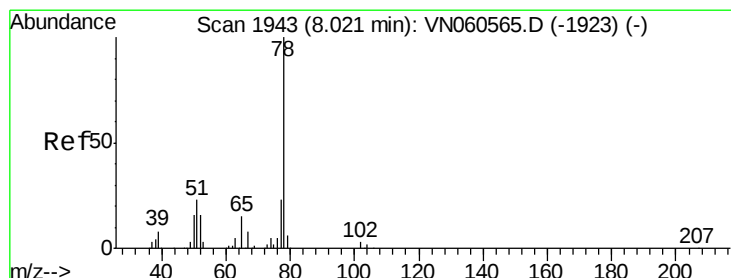
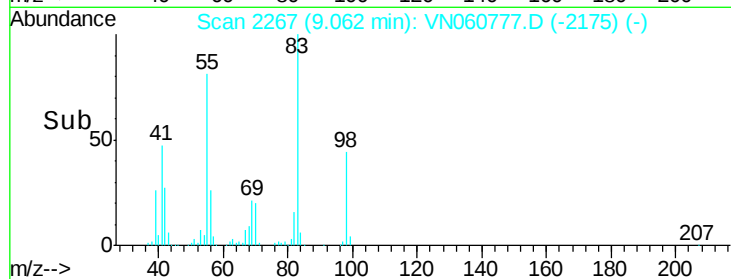
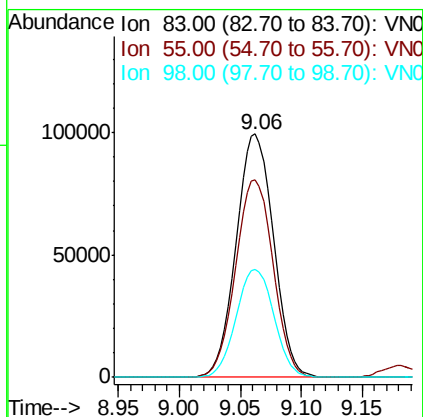
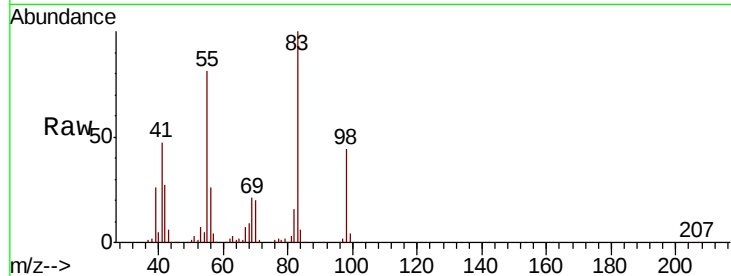




#39
Methvlcvclohexane
Concen: 57.805 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

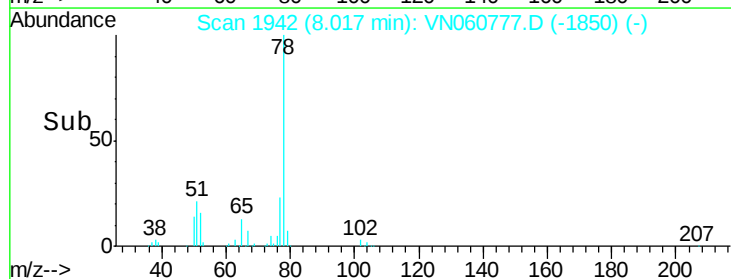
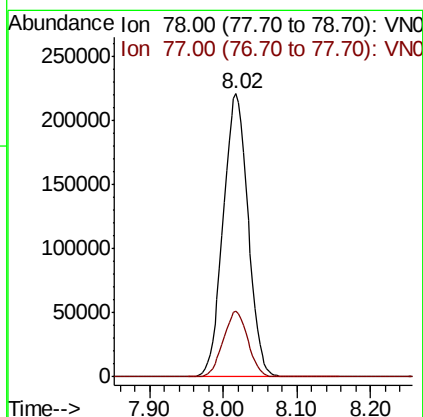
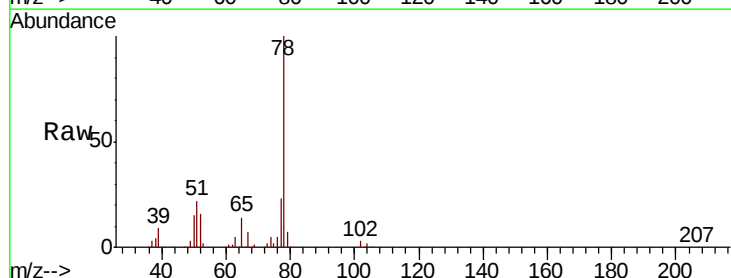
Instrument :
MSVOA_N
ClientSampled :

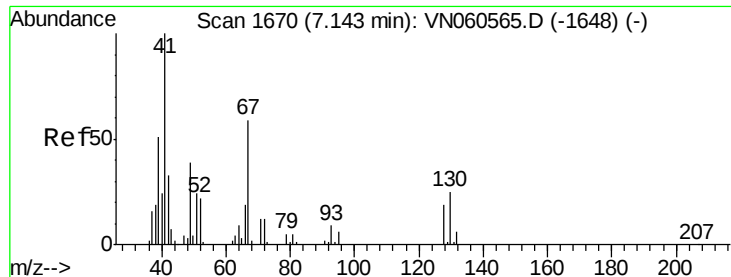
Tot Ion: 83 Resp: 211212
Ion Ratio Lower Upper
83 100
55 81.2 63.6 95.4
98 44.3 36.0 54.0



#40
Benzene
Concen: 55.816 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

Tgt Ion: 78 Resp: 518068
Ion Ratio Lower Upper
78 100
77 23.0 18.6 28.0

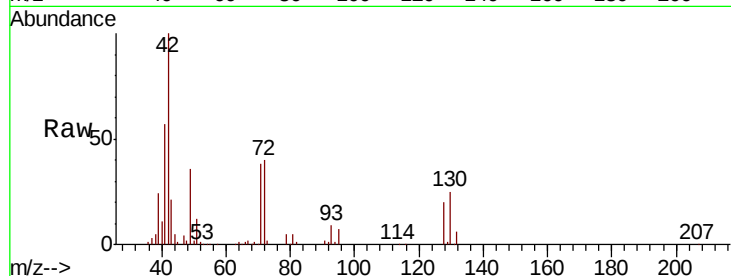




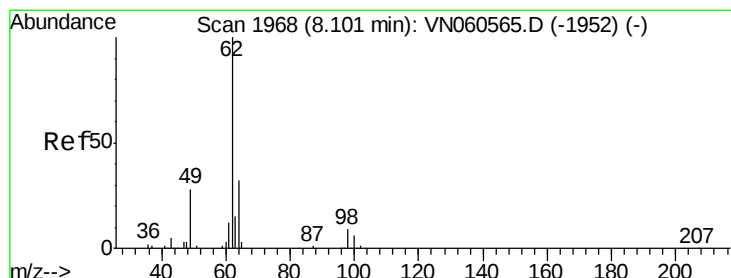
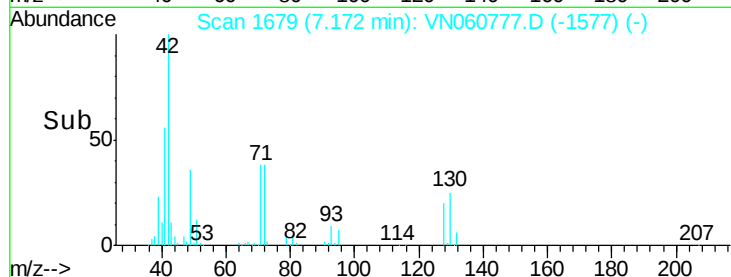
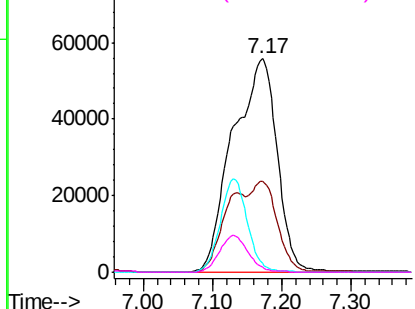
#41
Methacrylonitrile
Concen: 174.667 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.03 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	247649
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

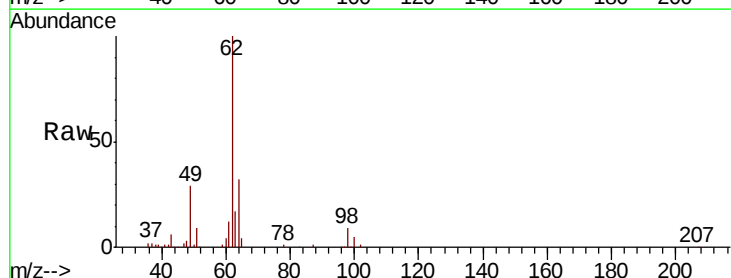


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

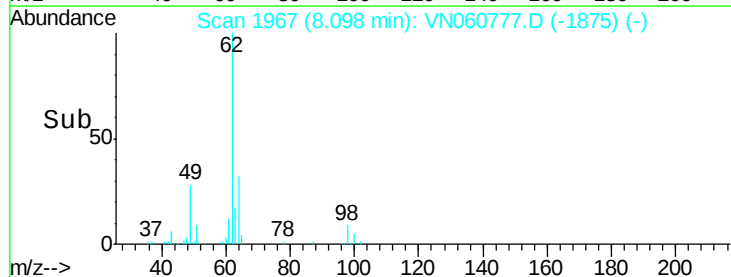
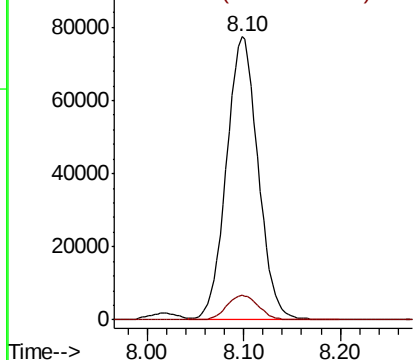


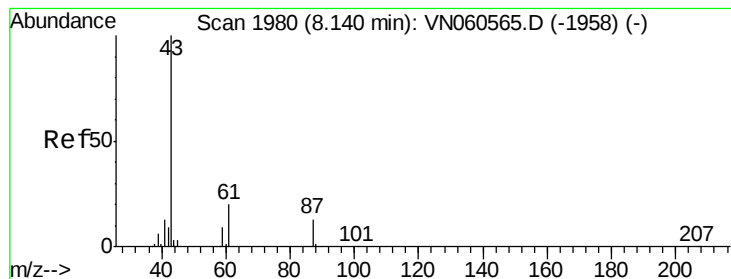
#42
1,2-Dichloroethane
Concen: 55.582 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

Tgt Ion:	62	Resp:	176309
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 54.439 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampled :

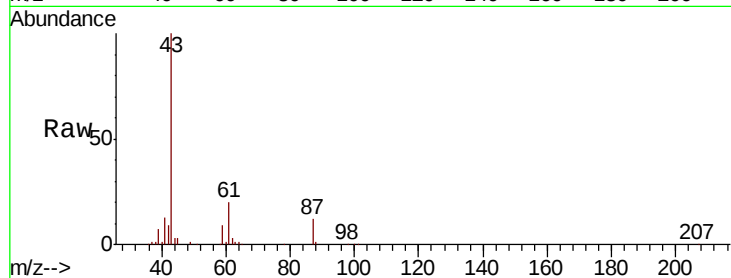
Tot Ion: 43 Resp: 298275

Ion Ratio Lower Upper

43 100

61 26.1 20.7 31.1

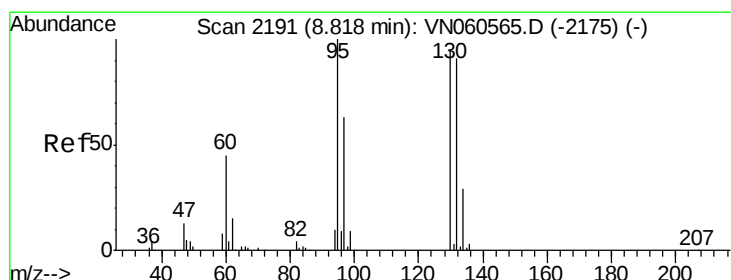
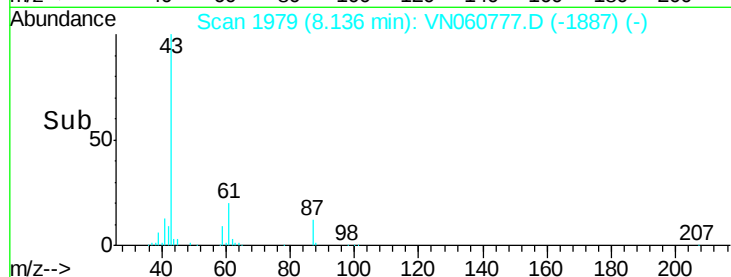
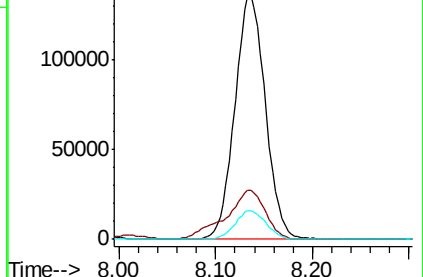
87 11.9 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN060777.D (-1979) (-)

Ion 61.00 (60.70 to 61.70): VN060777.D (-1979) (-)

Ion 87.00 (86.70 to 87.70): VN060777.D (-1979) (-)



#44

Trichloroethene

Concen: 56.185 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN060777.D

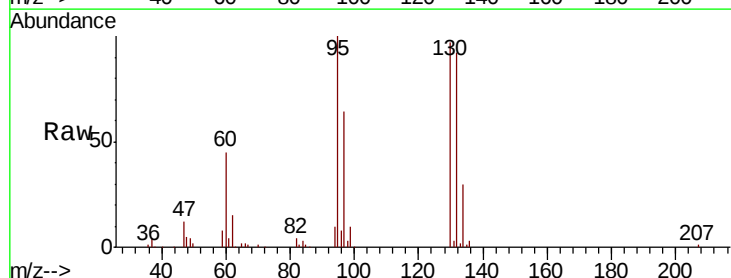
Acq: 31 Mar 2020 10:28

Tgt Ion:130 Resp: 131462

Ion Ratio Lower Upper

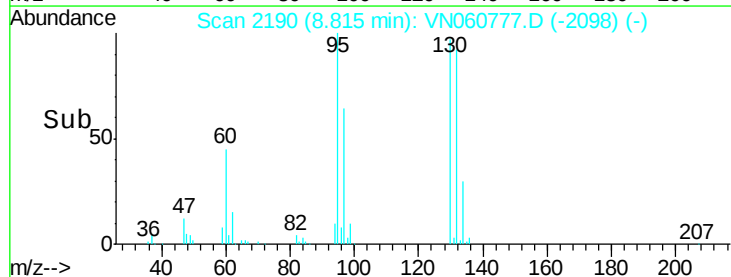
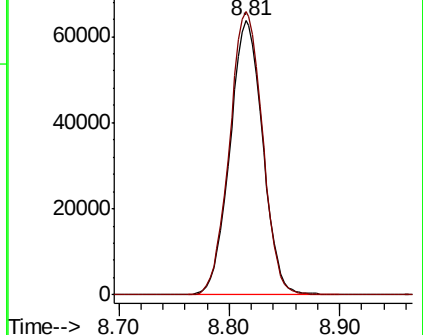
130 100

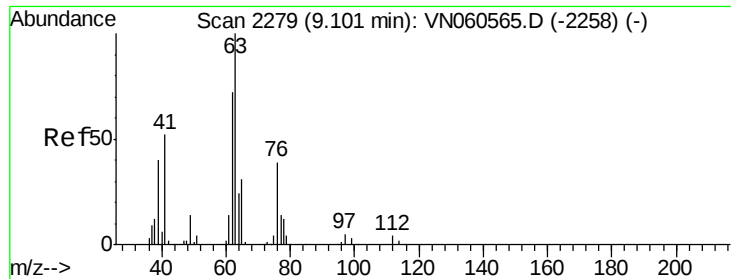
95 103.3 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN060777.D (-2190) (-)

Ion 94.90 (94.60 to 95.60): VN060777.D (-2190) (-)

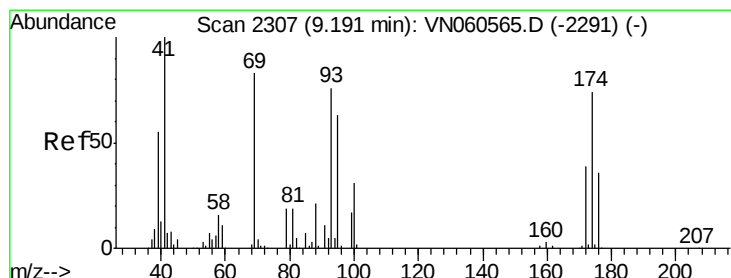
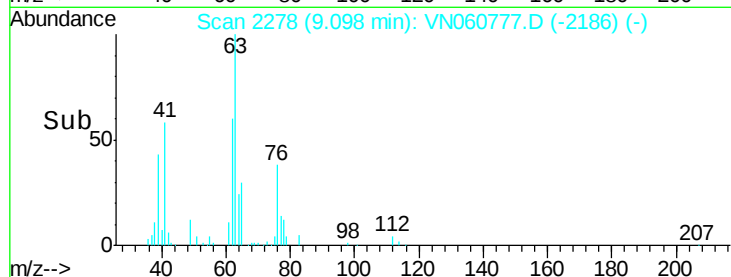
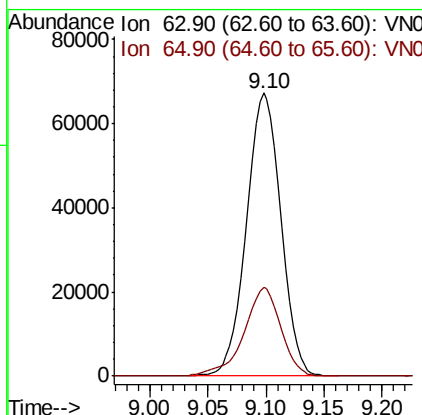
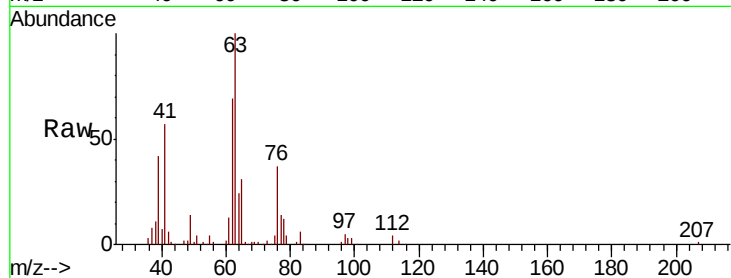




#45
 1,2-Dichloropropane
 Concen: 57.123 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060777.D
 Acq: 31 Mar 2020 10:28

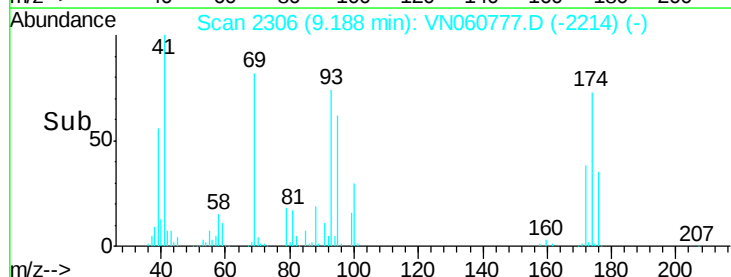
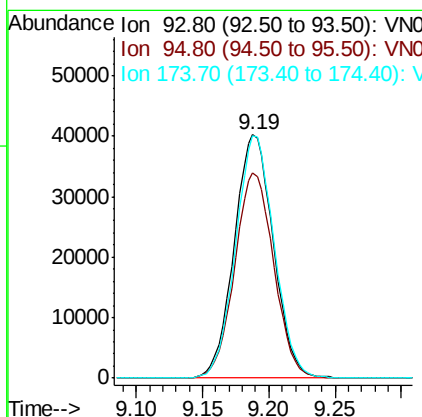
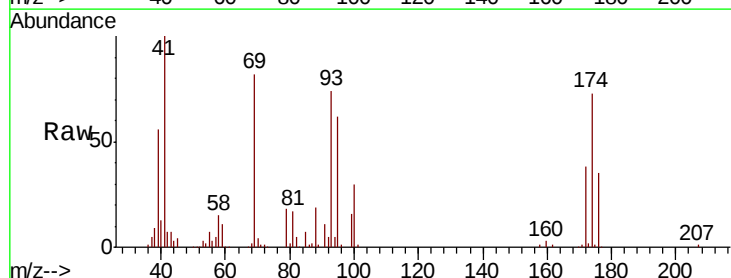
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 63 Resp: 139901
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.4 38.0



#46
 Dibromomethane
 Concen: 55.738 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060777.D
 Acq: 31 Mar 2020 10:28

Tgt Ion: 93 Resp: 82529
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.2 99.4
 174 98.0 77.9 116.9





#47

Bromodichloromethane

Concen: 57.057 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

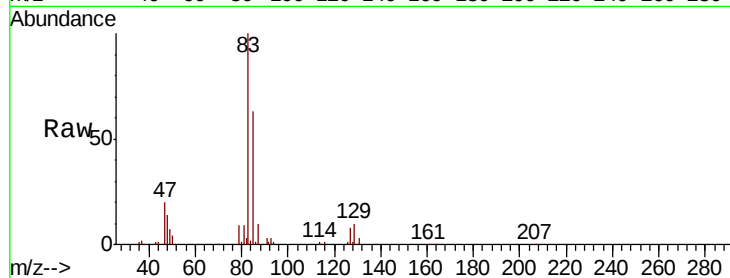
Tot Ion: 83 Resp: 175552

Ion Ratio Lower Upper

83 100

85 62.8 51.8 77.6

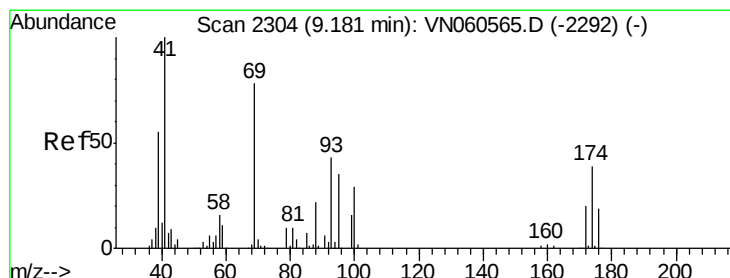
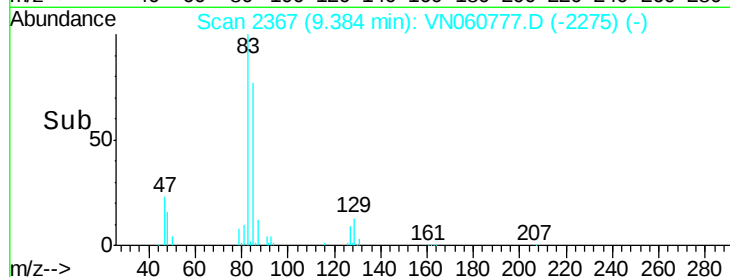
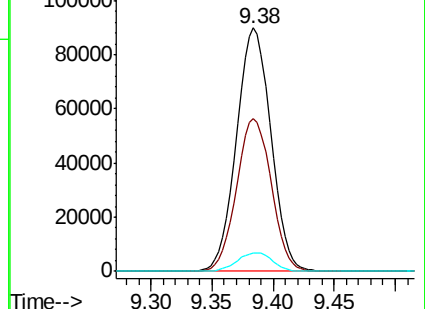
127 7.6 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN060777.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060777.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060777.D (-2275) (-)



#48

Methyl methacrylate

Concen: 54.497 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

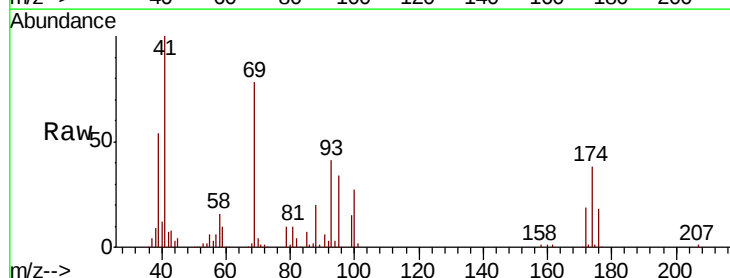
Tgt Ion: 41 Resp: 132941

Ion Ratio Lower Upper

41 100

69 82.3 65.4 98.0

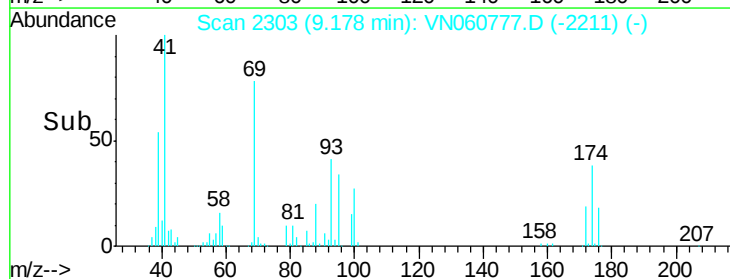
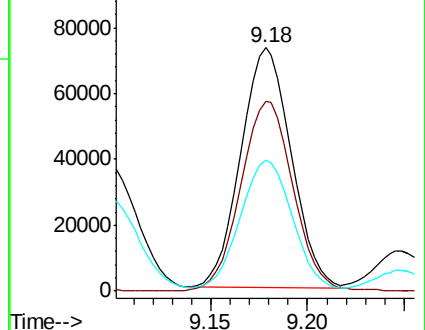
39 54.3 44.0 66.0

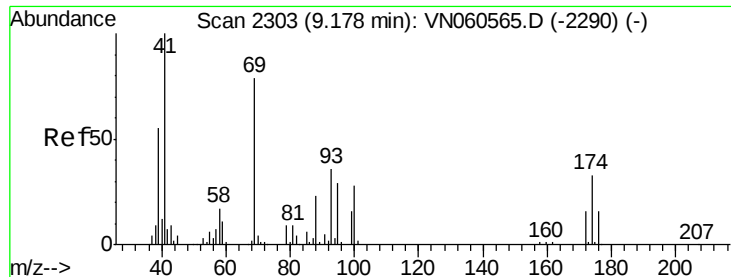


Abundance Ion 41.00 (40.70 to 41.70): VN060777.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060777.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060777.D (-2211) (-)

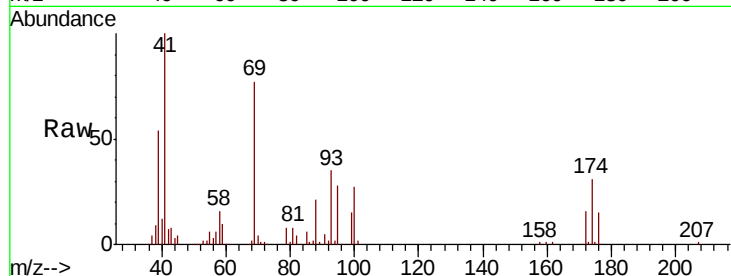




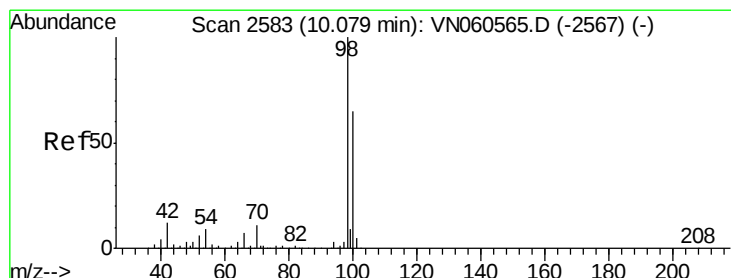
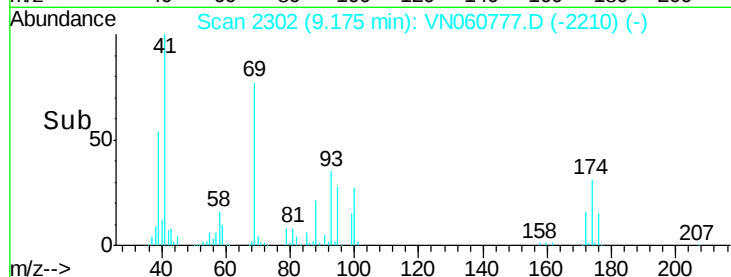
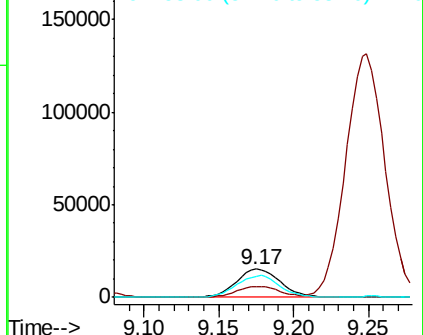
#49
 1,4-Dioxane
 Concen: 1067.483 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN060777.D
 Acq: 31 Mar 2020 10:28

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 30952
 Ion Ratio Lower Upper
 88 100
 43 39.8 30.8 46.2
 58 76.2 59.8 89.8

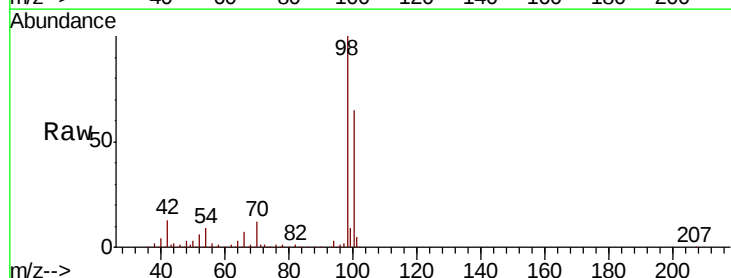


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

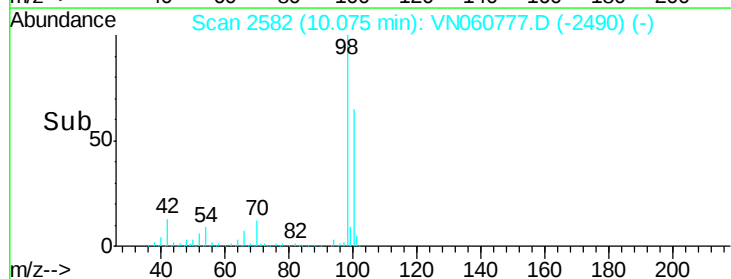
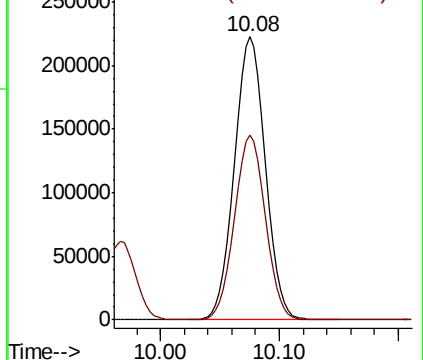


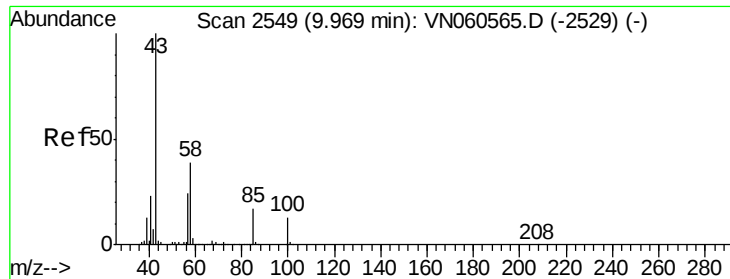
#50
 Toluene-d8
 Concen: 51.165 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN060777.D
 Acq: 31 Mar 2020 10:28

Tgt Ion: 98 Resp: 401261
 Ion Ratio Lower Upper
 98 100
 100 65.4 51.8 77.8



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





#51

4-Methyl-2-Pentanone

Concen: 275.498 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

Instrument :

MSVOA_N

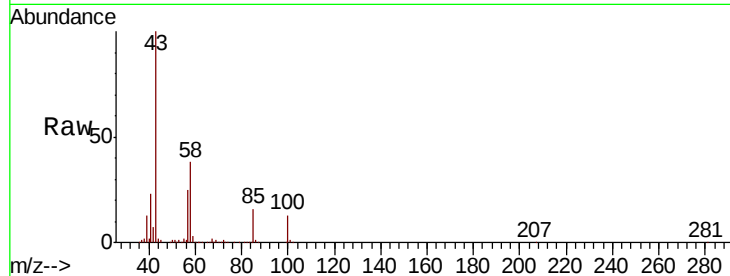
ClientSampleId :

Tot Ion: 43 Resp: 858950

Ion Ratio Lower Upper

43 100

58 37.9 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060777.D (-2456) (-)

Ion 58.00 (57.70 to 58.70): VN060777.D (-2456) (-)

9.97

500000

400000

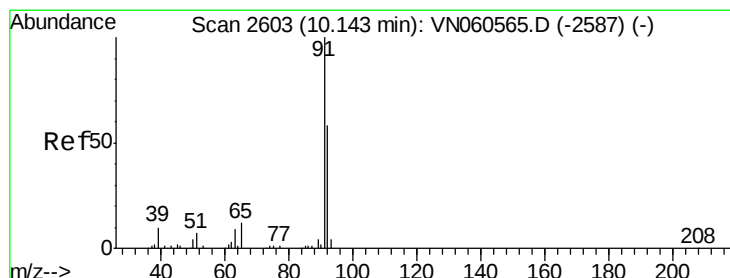
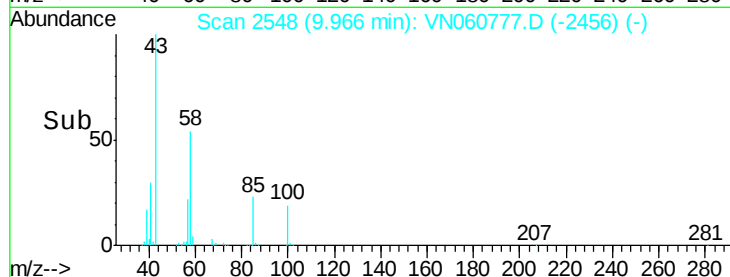
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 55.852 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060777.D

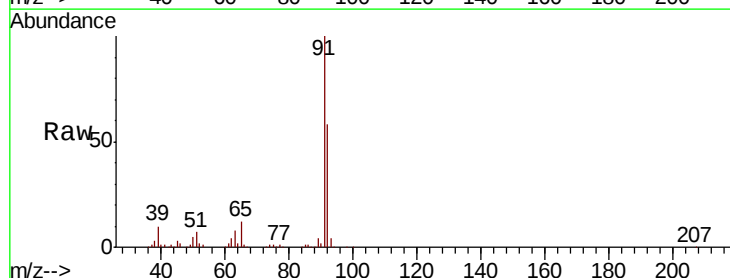
Acq: 31 Mar 2020 10:28

Tgt Ion: 92 Resp: 313078

Ion Ratio Lower Upper

92 100

91 173.1 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060777.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN060777.D (-2510) (-)

10.14

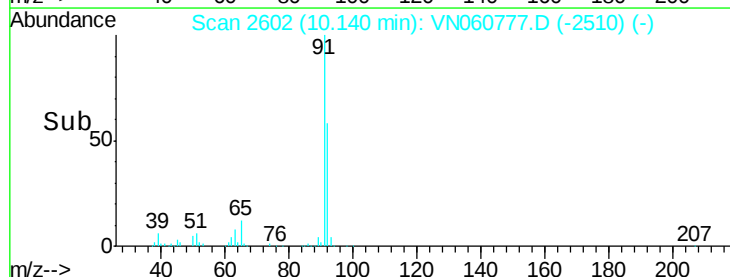
300000

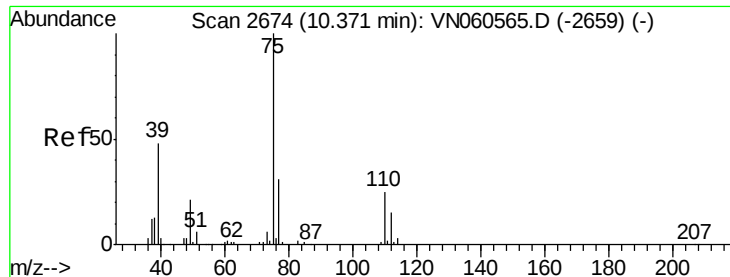
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 58.735 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

Instrument :

MSVOA_N

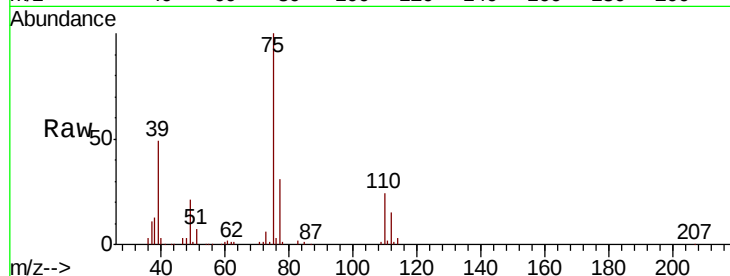
ClientSampleId :

Tot Ion: 75 Resp: 207583

Ion Ratio Lower Upper

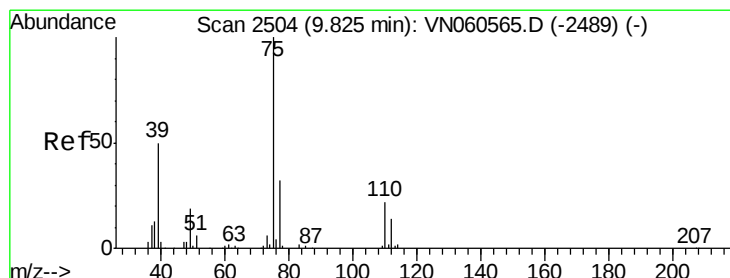
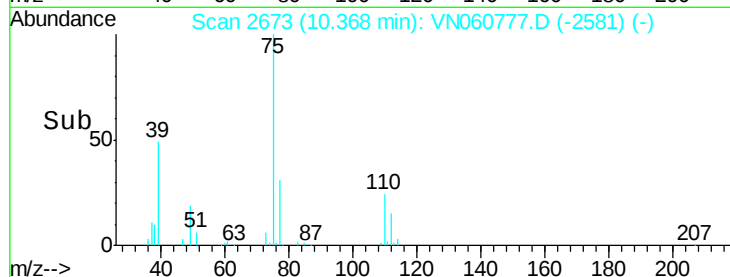
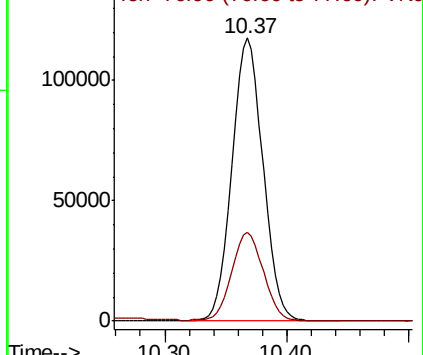
75 100

77 31.1 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 57.218 ug/l

RT: 9.82 min Scan# 2503

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

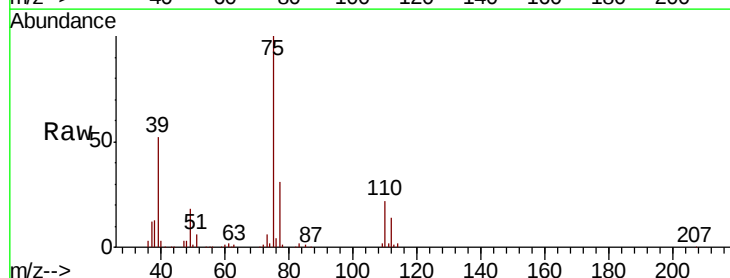
Tgt Ion: 75 Resp: 221850

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

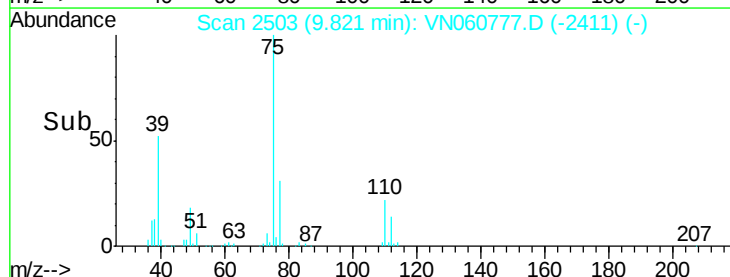
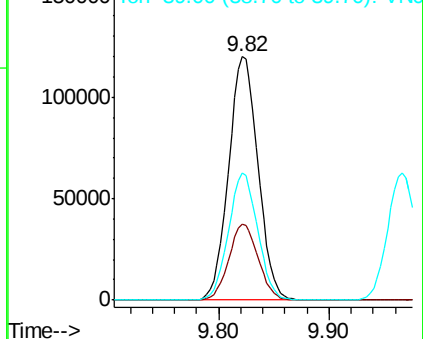
39 52.0 40.2 60.4

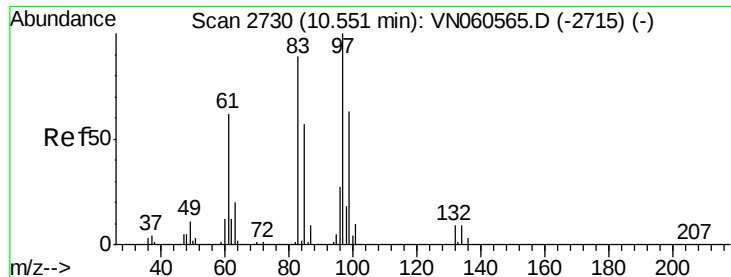


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

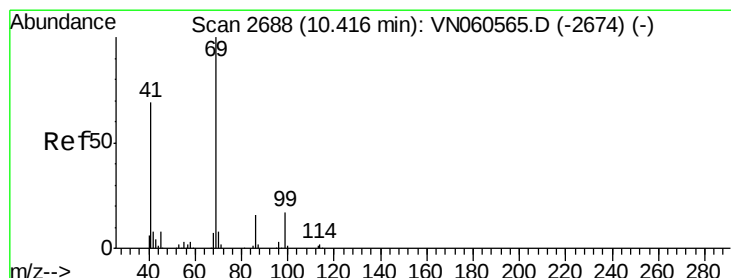
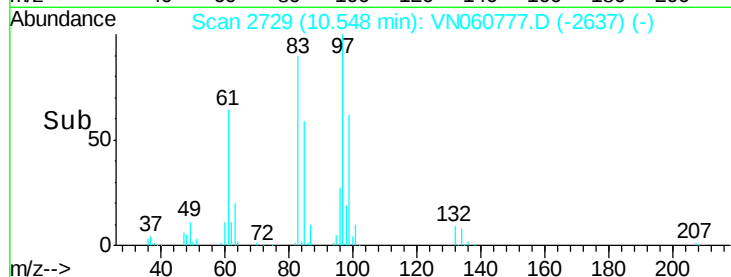
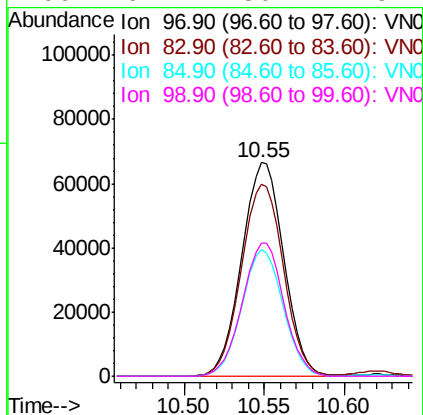
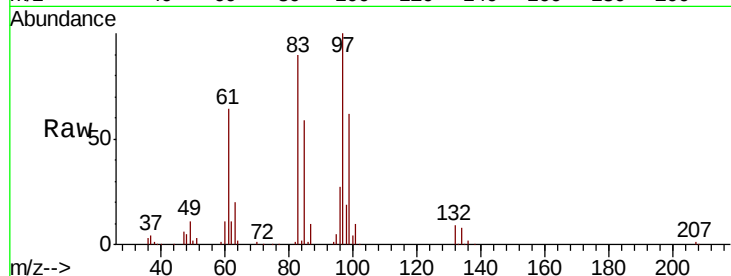




#55
 1,1,2-Trichloroethane
 Concen: 55.412 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060777.D
 Acq: 31 Mar 2020 10:28

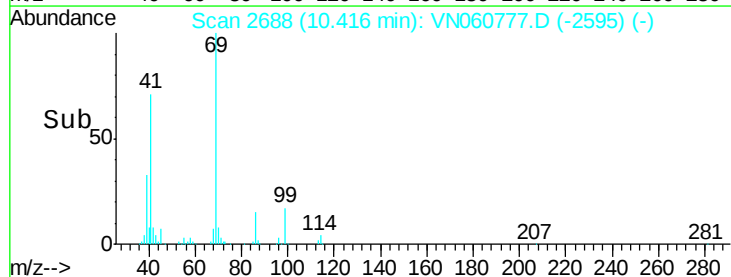
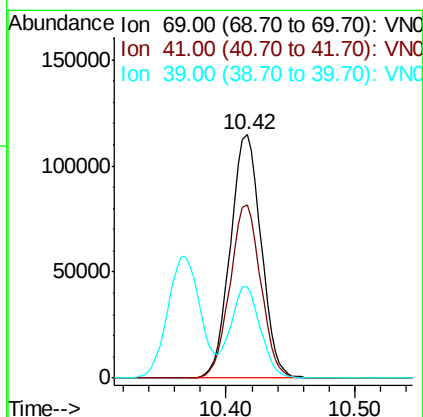
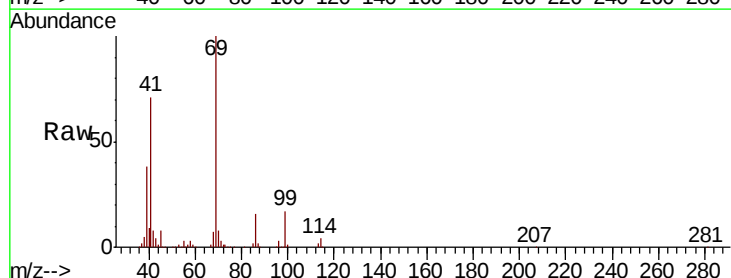
Instrument :
 MSVOA_N
 ClientSampled :

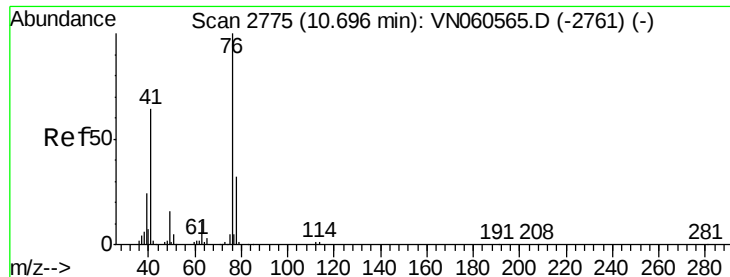
Tot Ion:	97	Resp:	119497
Ion	Ratio	Lower	Upper
97	100		
83	90.0	71.3	106.9
85	59.2	45.2	67.8
99	62.4	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 56.626 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060777.D
 Acq: 31 Mar 2020 10:28

Tgt Ion:	69	Resp:	190406
Ion	Ratio	Lower	Upper
69	100		
41	70.7	55.4	83.2
39	36.2	29.4	44.0





#57

1,3-Dichloropropane

Concen: 56.116 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

Instrument :

MSVOA_N

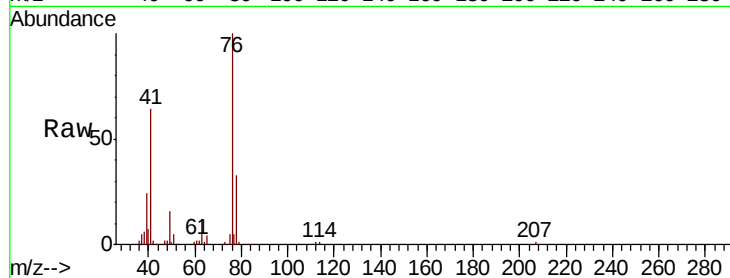
ClientSampleId :

Tot Ion: 76 Resp: 209998

Ion Ratio Lower Upper

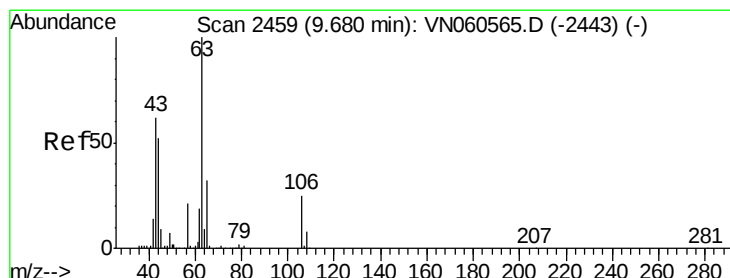
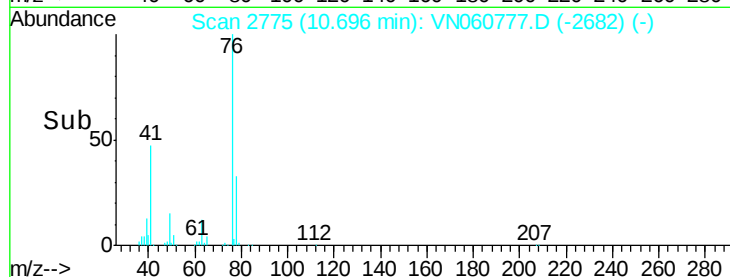
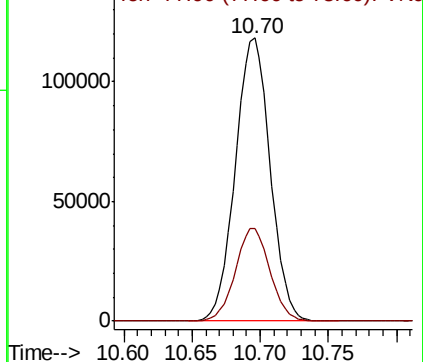
76 100

78 32.4 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 268.318 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060777.D

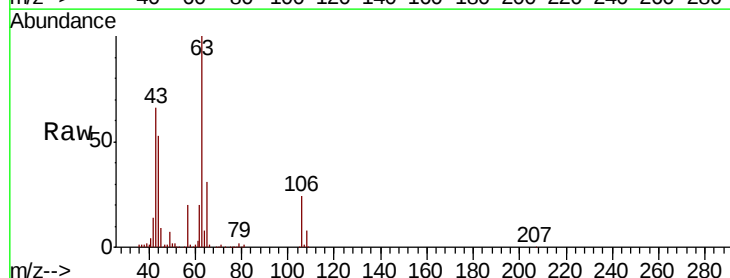
Acq: 31 Mar 2020 10:28

Tgt Ion: 63 Resp: 448414

Ion Ratio Lower Upper

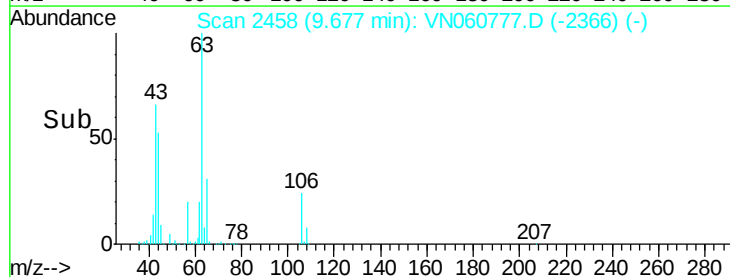
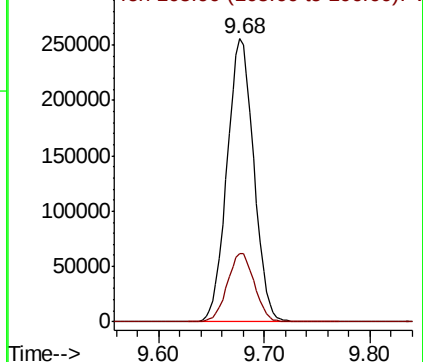
63 100

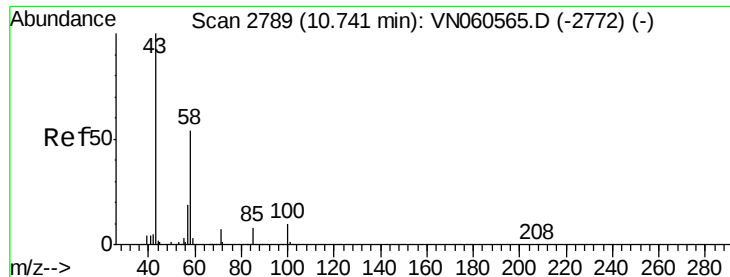
106 24.4 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

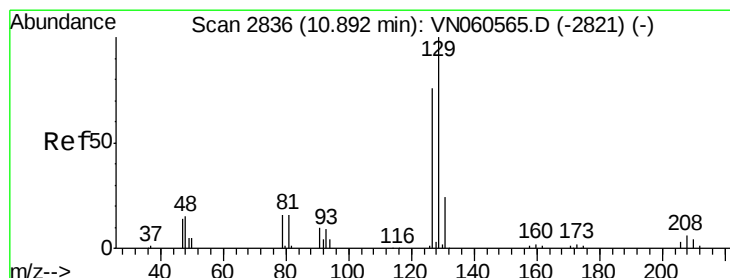
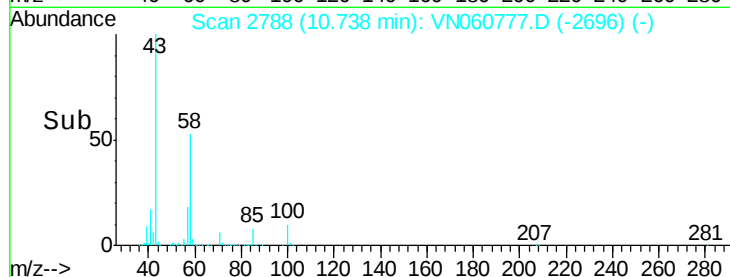
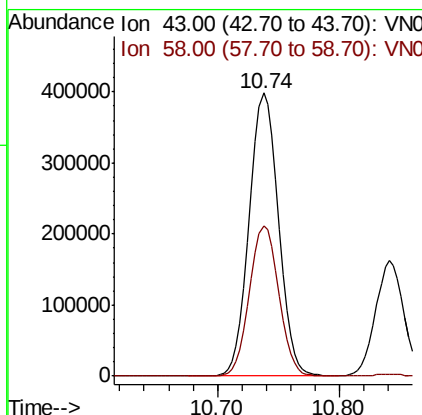
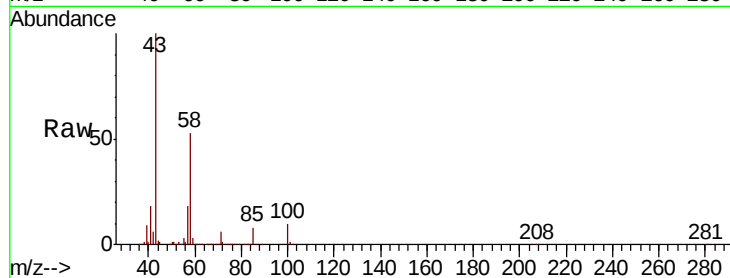




#59
2-Hexanone
Concen: 293.141 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

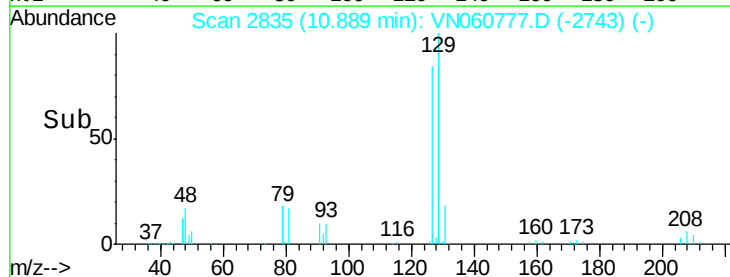
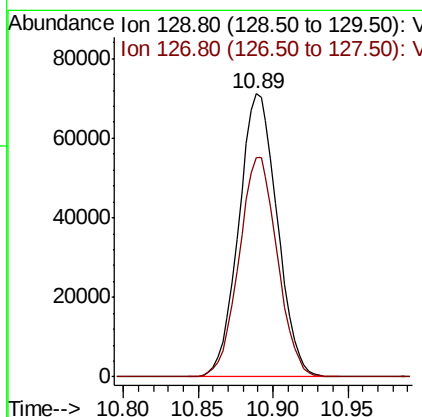
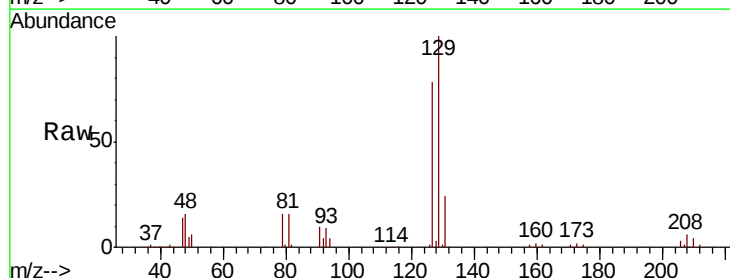
Instrument :
MSVOA_N
ClientSampled :

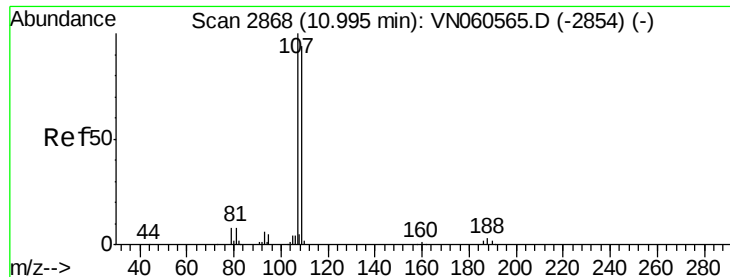
Tot Ion: 43 Resp: 658371
Ion Ratio Lower Upper
43 100
58 53.2 26.7 80.1



#60
Dibromochloromethane
Concen: 57.190 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. -0.00 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

Tgt Ion: 129 Resp: 127394
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5

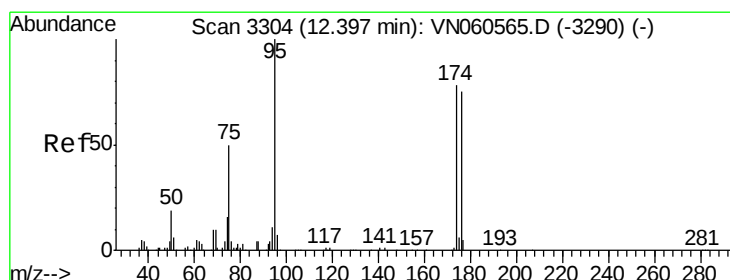
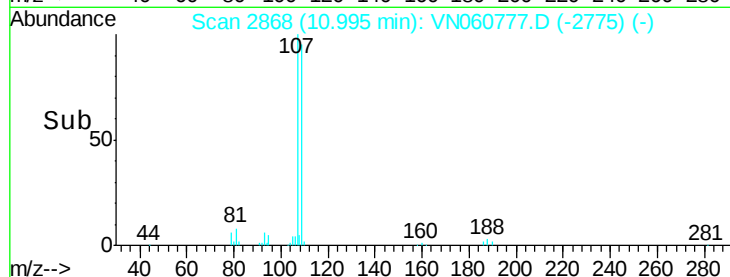
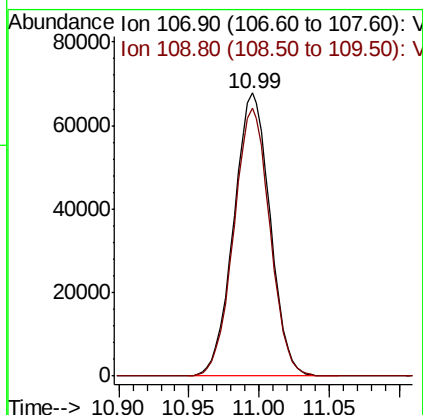
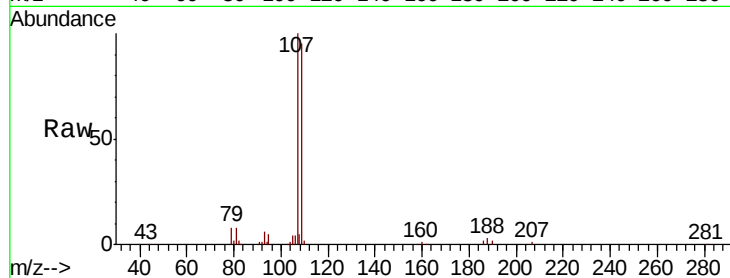




#61
 1,2-Dibromoethane
 Concen: 56.353 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060777.D
 Acq: 31 Mar 2020 10:28

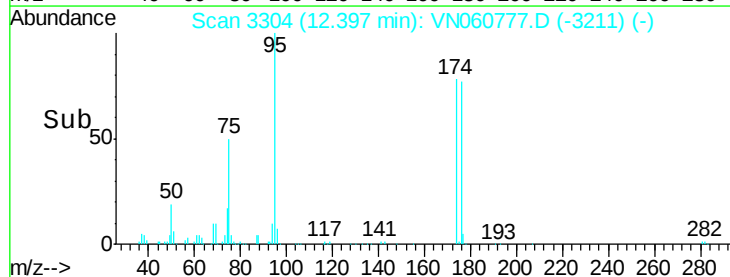
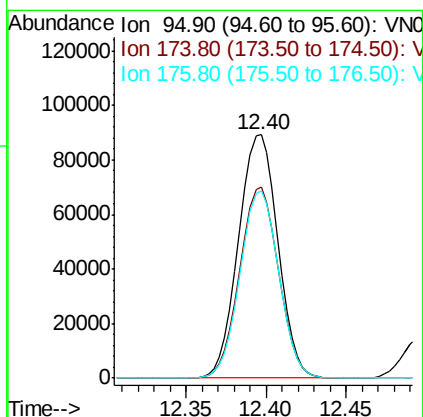
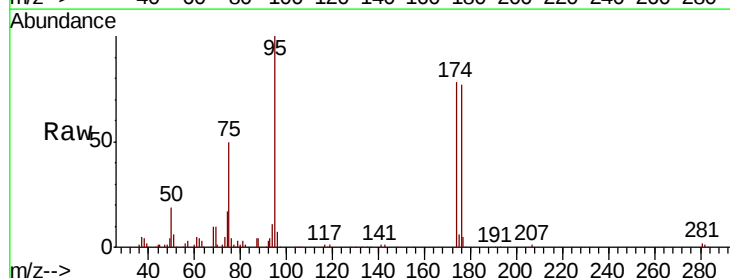
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:107 Resp: 122201
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 52.160 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060777.D
 Acq: 31 Mar 2020 10:28

Tgt Ion: 95 Resp: 149914
 Ion Ratio Lower Upper
 95 100
 174 77.3 0.0 157.6
 176 75.6 0.0 150.6

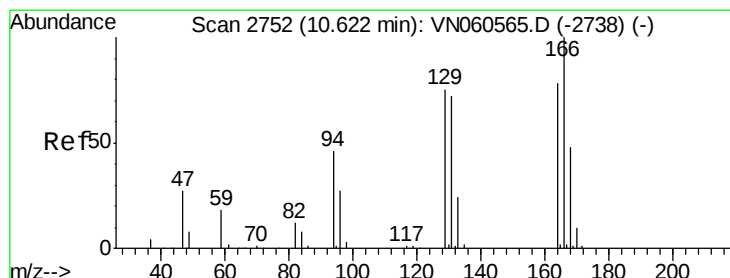
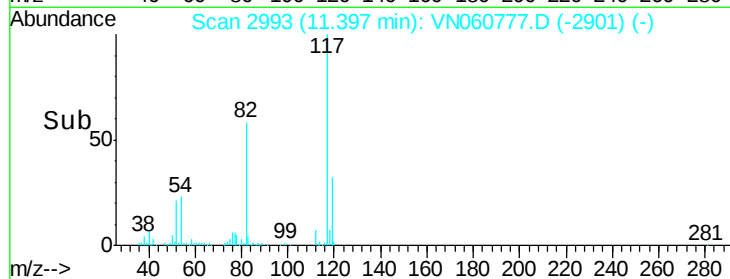
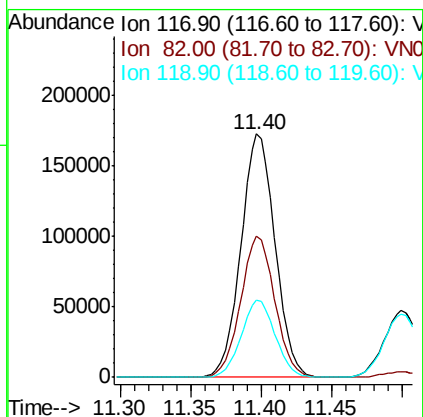
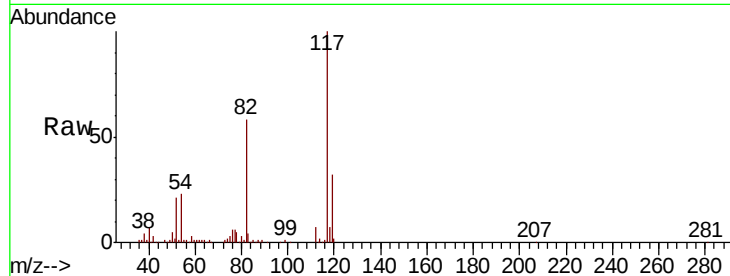




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

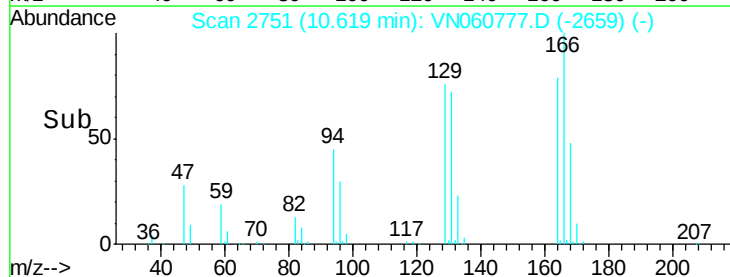
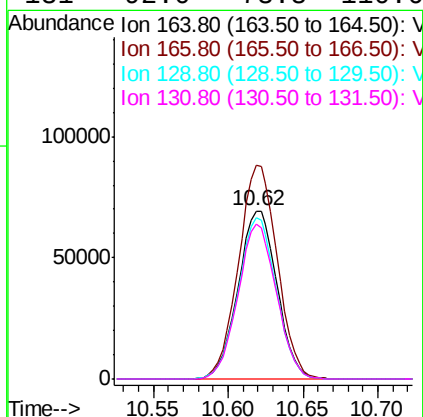
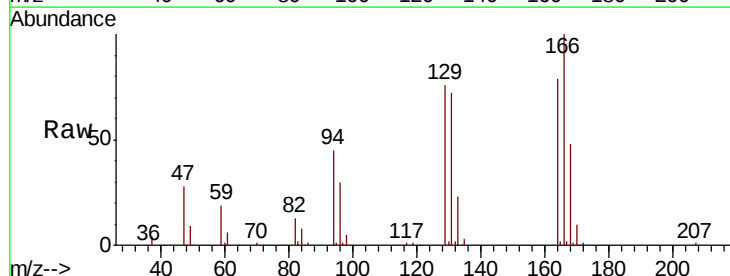
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 293078
Ion Ratio Lower Upper
117 100
82 57.8 46.7 70.1
119 31.6 25.5 38.3



#64
Tetrachloroethene
Concen: 54.383 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

Tgt Ion:164 Resp: 125422
Ion Ratio Lower Upper
164 100
166 127.0 102.7 154.1
129 96.2 77.2 115.8
131 92.0 73.8 110.6





#65

Chlorobenzene

Concen: 55.339 ug/l

RT: 11.42 min Scan# 3001

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

Instrument :

MSVOA_N

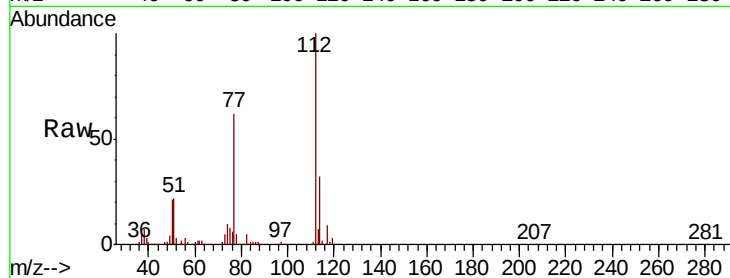
ClientSampled :

Tot Ion:112 Resp: 321519

Ion Ratio Lower Upper

112 100

114 31.6 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.42

200000

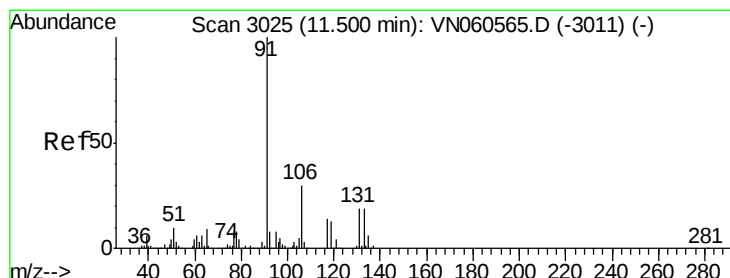
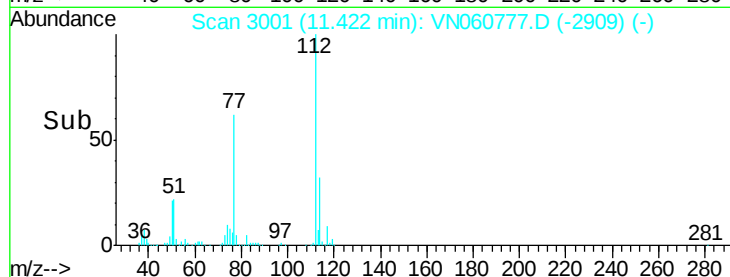
150000

100000

50000

0

Time--> 11.35 11.40 11.45 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 56.296 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

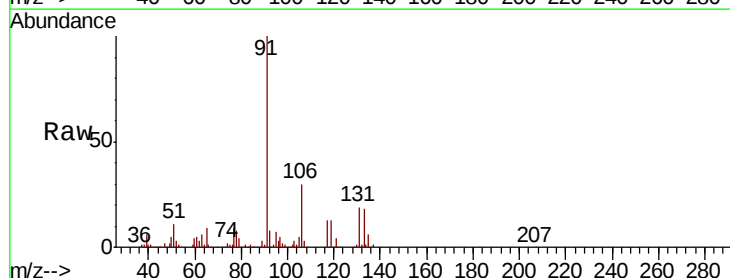
Tgt Ion:131 Resp: 118425

Ion Ratio Lower Upper

131 100

133 96.7 48.9 146.8

119 66.9 33.9 101.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.50

80000

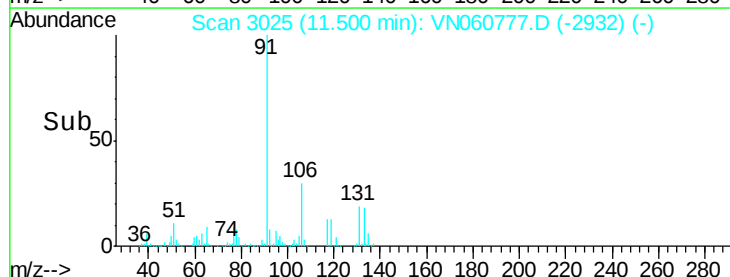
60000

40000

20000

0

Time--> 11.45 11.50 11.55





#67

Ethyl Benzene

Concen: 56.602 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

Instrument :

MSVOA_N

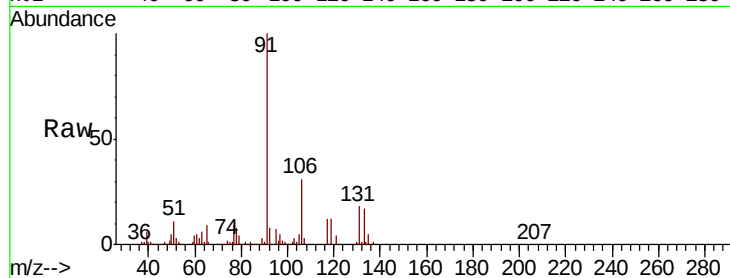
ClientSampled :

Tot Ion: 91 Resp: 611559

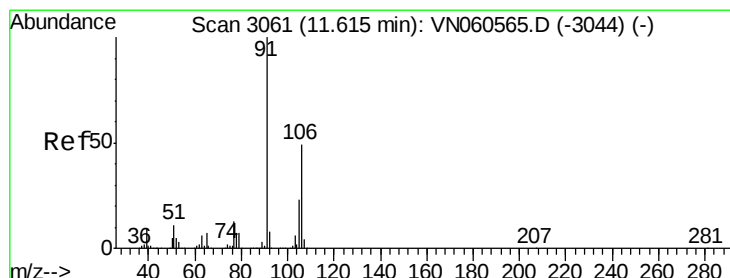
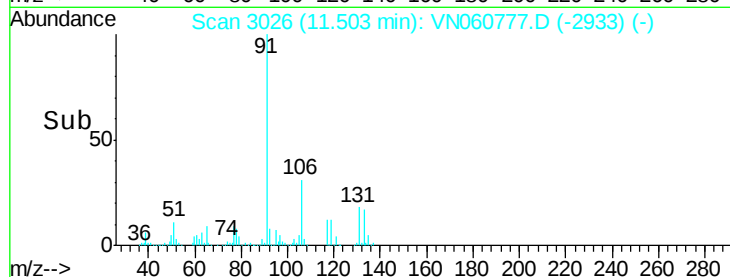
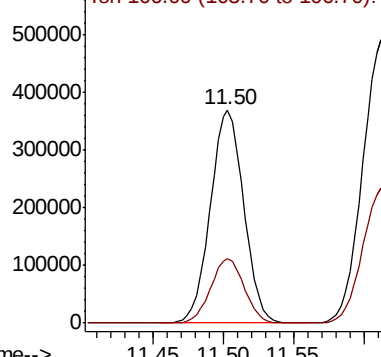
Ion Ratio Lower Upper

91 100

106 30.5 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): VN060777.D (-2933) (-)



#68

m/p-Xylenes

Concen: 112.435 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060777.D

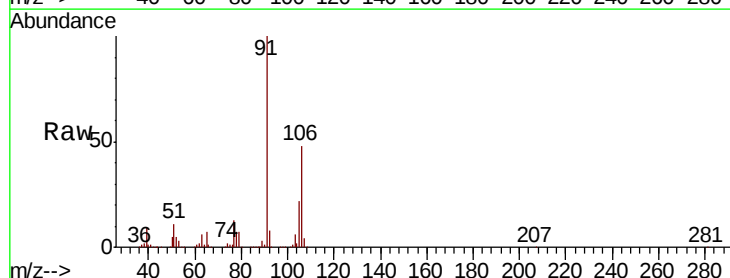
Acq: 31 Mar 2020 10:28

Tgt Ion: 106 Resp: 451429

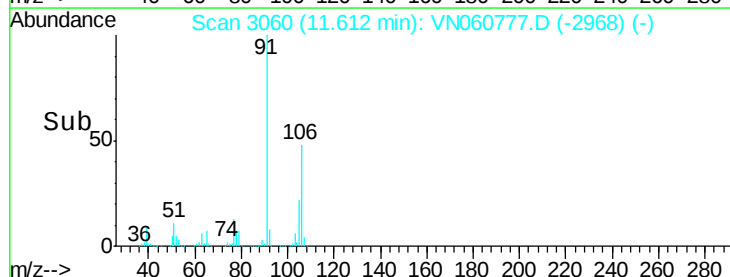
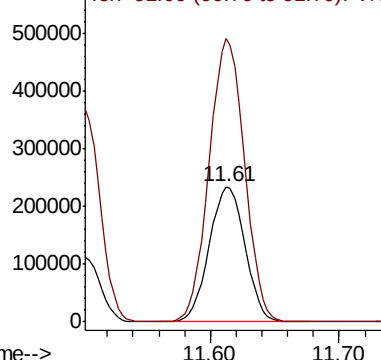
Ion Ratio Lower Upper

106 100

91 207.0 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060777.D (-2968) (-)

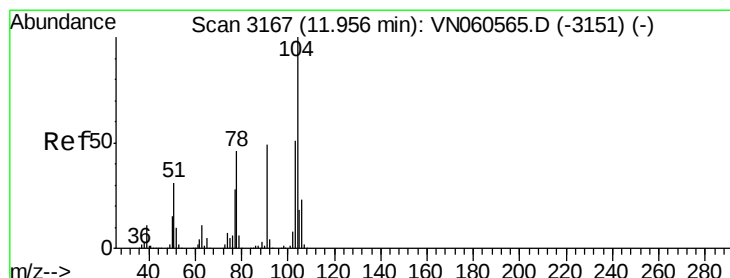
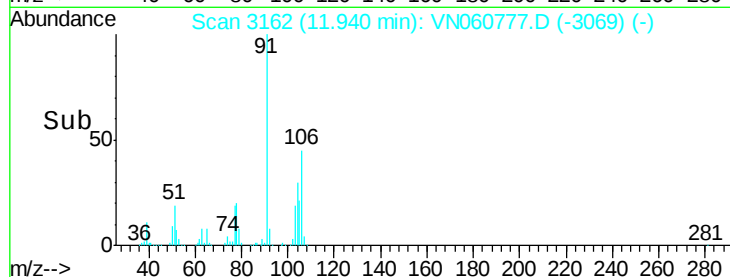
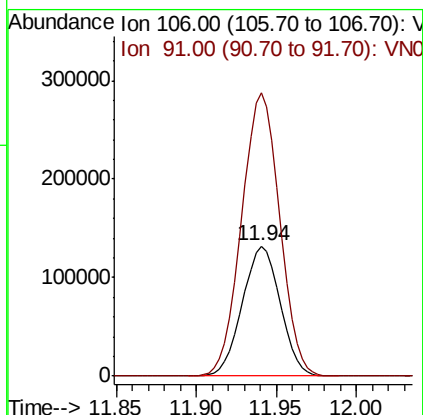
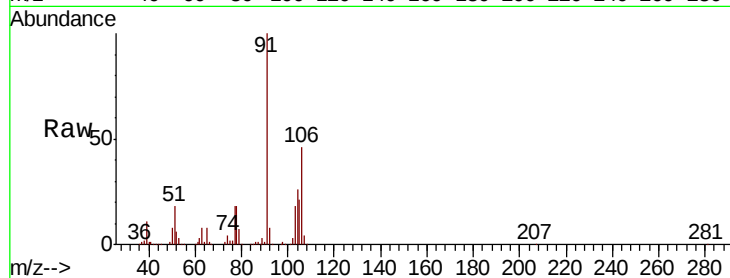




#69
o-Xylene
Concen: 55.918 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

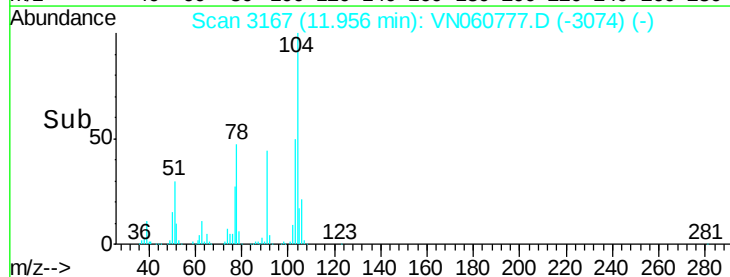
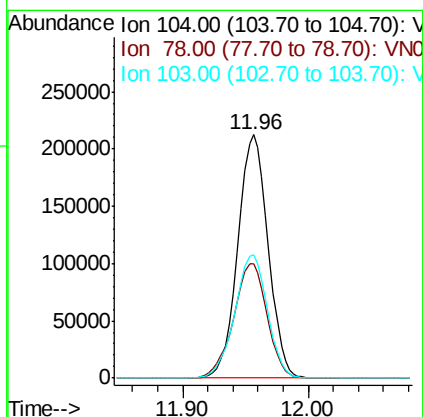
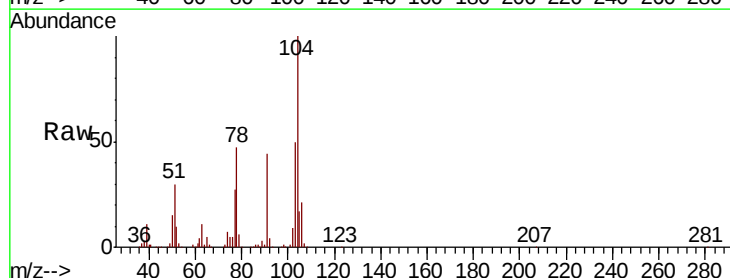
Instrument :
MSVOA_N
ClientSampled :

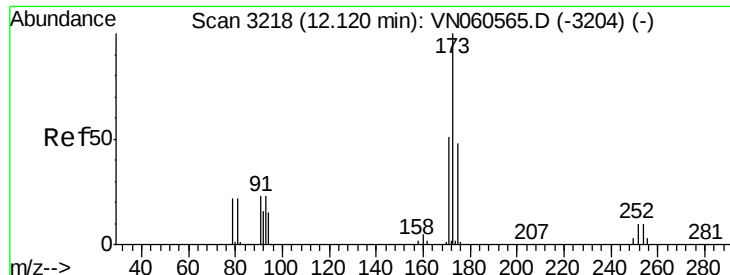
Tot Ion:106 Resp: 214324
Ion Ratio Lower Upper
106 100
91 218.5 109.5 328.4



#70
Styrene
Concen: 56.842 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

Tgt Ion:104 Resp: 356320
Ion Ratio Lower Upper
104 100
78 52.1 41.2 61.8
103 54.7 44.0 66.0

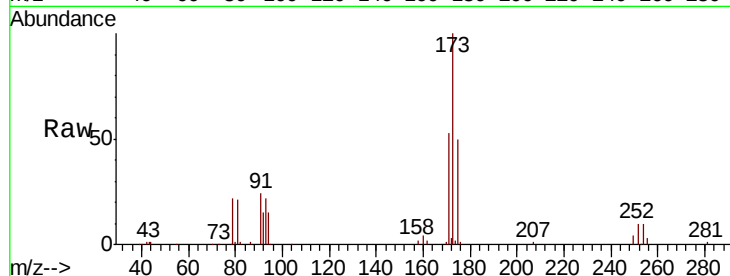




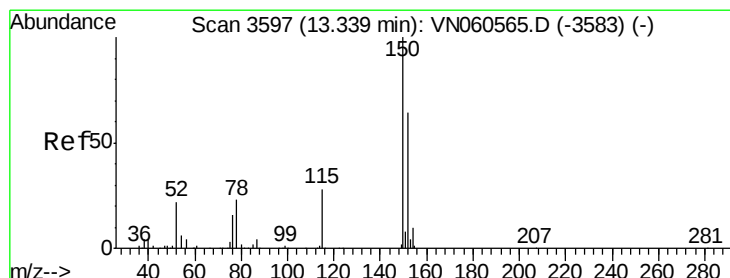
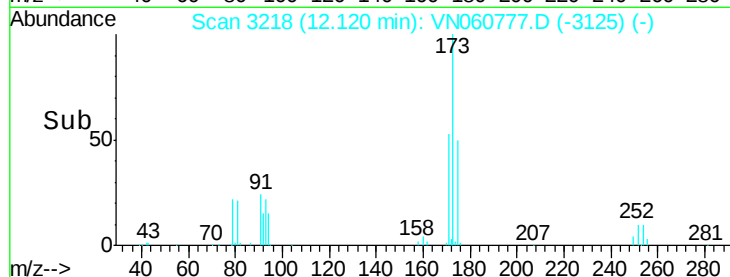
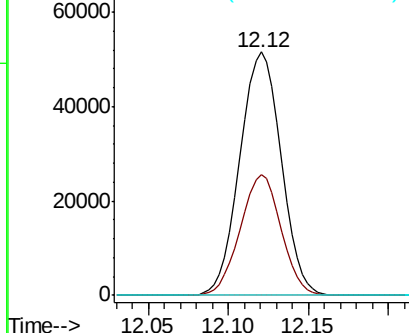
#71
Bromoform
Concen: 51.914 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 90881
Ion Ratio Lower Upper
173 100
175 49.0 24.1 72.4
254 0.0 0.0 0.0

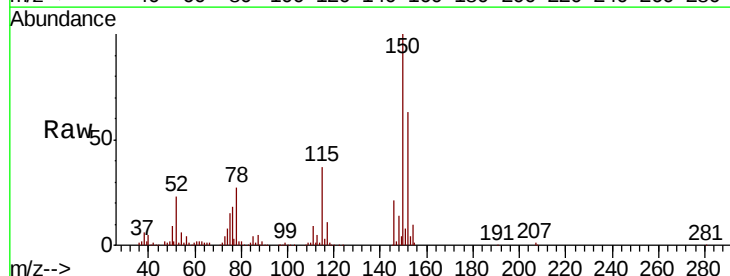


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

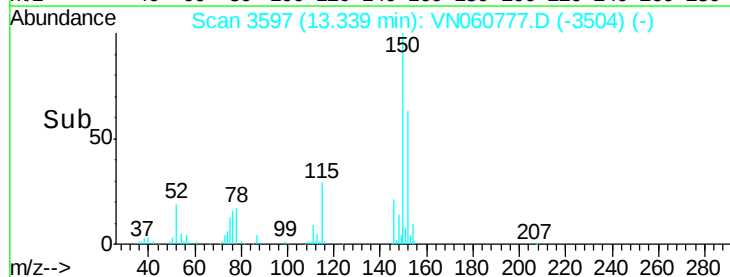
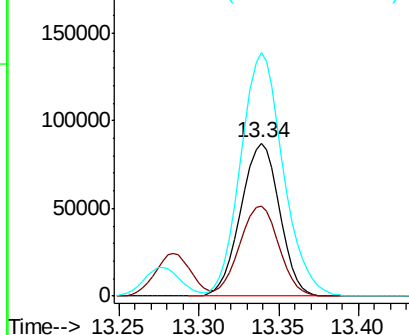


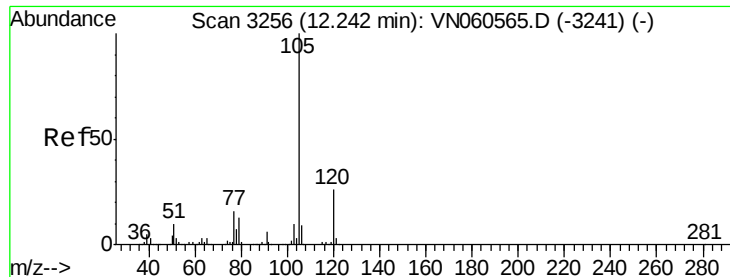
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

Tgt Ion:152 Resp: 144596
Ion Ratio Lower Upper
152 100
115 59.8 30.2 90.6
150 174.1 0.0 350.2



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





#73

Isopropylbenzene

Concen: 53.529 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

Instrument :

MSVOA_N

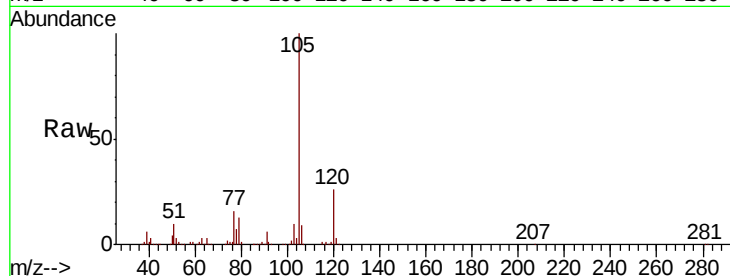
ClientSampleId :

Tot Ion:105 Resp: 580858

Ion Ratio Lower Upper

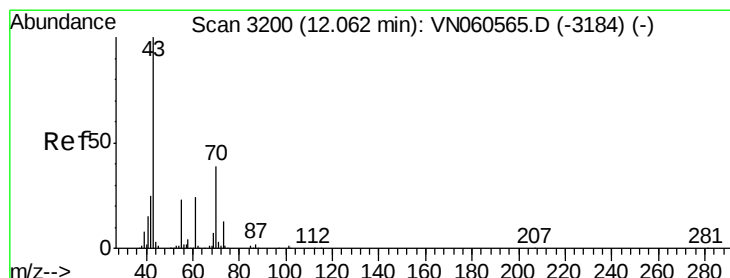
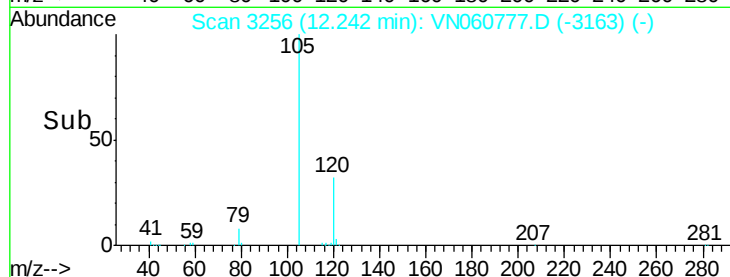
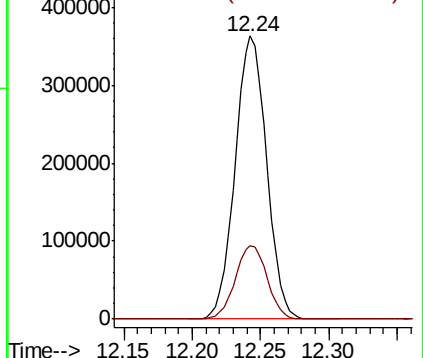
105 100

120 26.3 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.023 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

Tgt Ion: 43 Resp: 260859

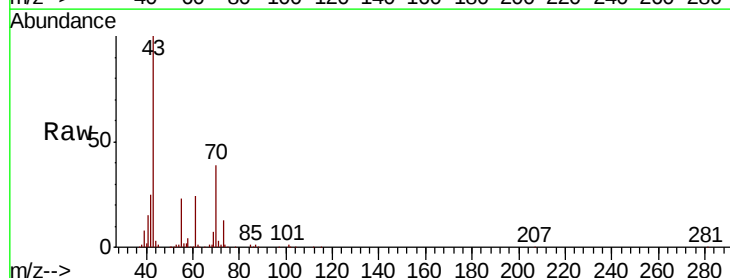
Ion Ratio Lower Upper

43 100

70 39.3 31.1 46.7

55 23.7 18.6 27.8

61 23.5 18.9 28.3

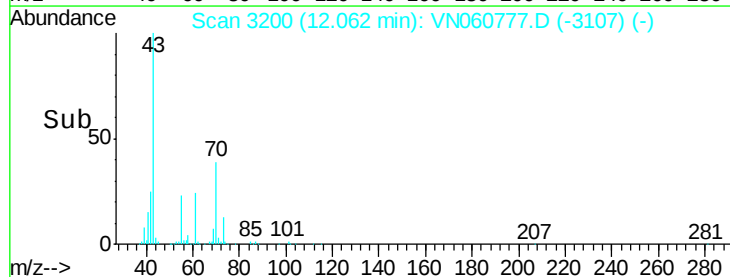
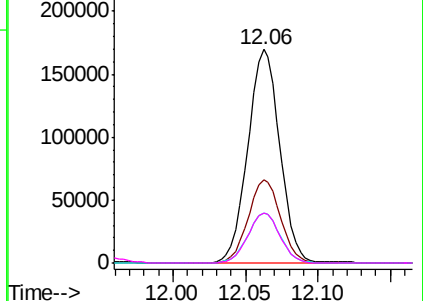


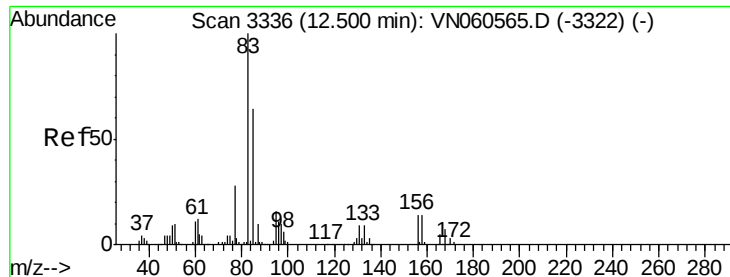
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 52.467 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

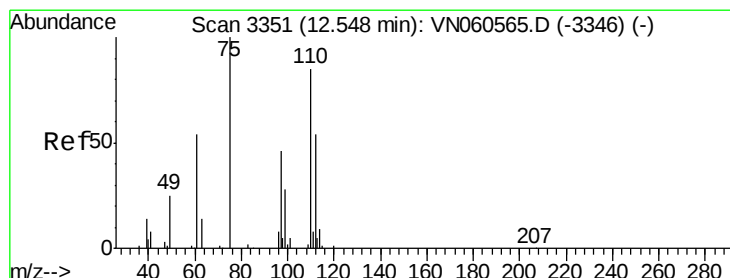
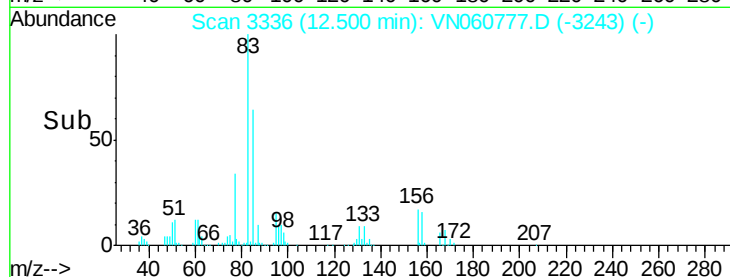
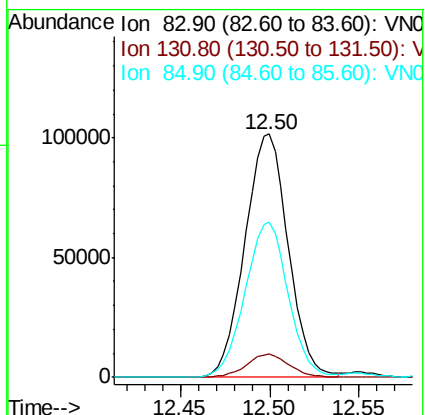
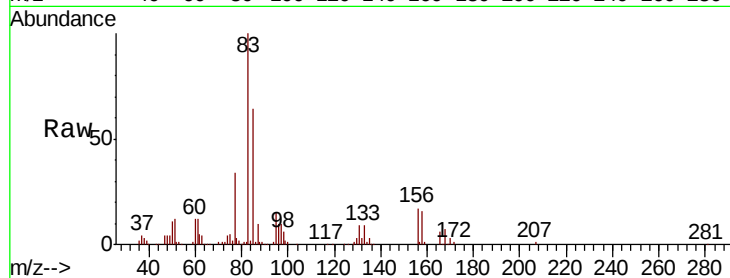
Tot Ion: 83 Resp: 172172

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.7

85 63.2 32.5 97.4



#76

1,2,3-Trichloropropane

Concen: 75.380 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060777.D

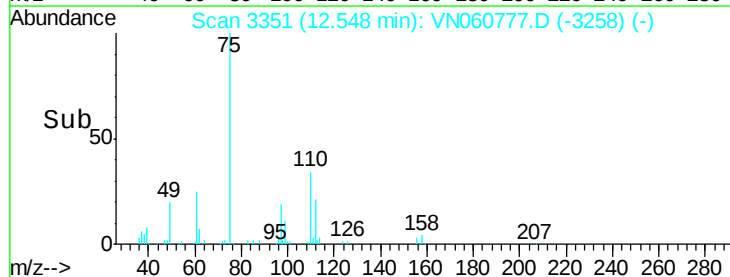
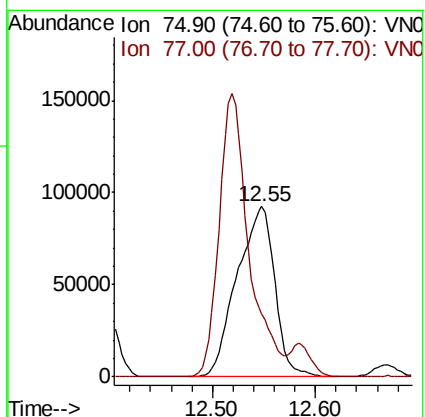
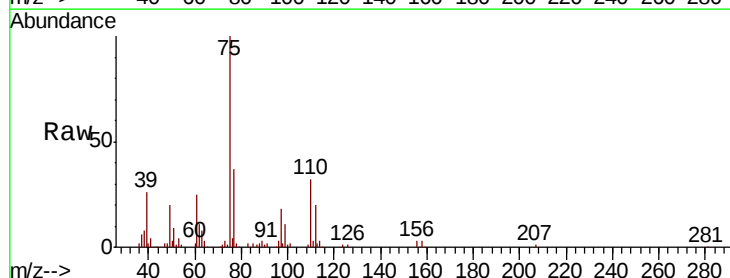
Acq: 31 Mar 2020 10:28

Tgt Ion: 75 Resp: 235192

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 52.519 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

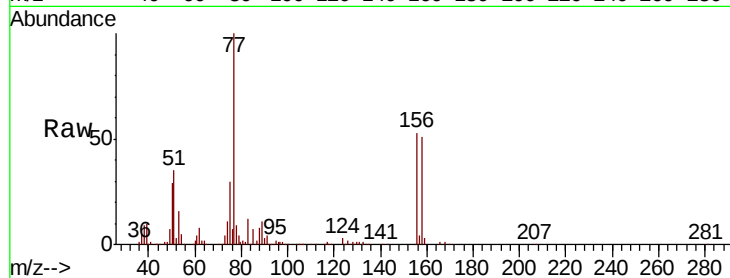
Tot Ion:156 Resp: 137326

Ion Ratio Lower Upper

156 100

77 224.9 112.3 337.0

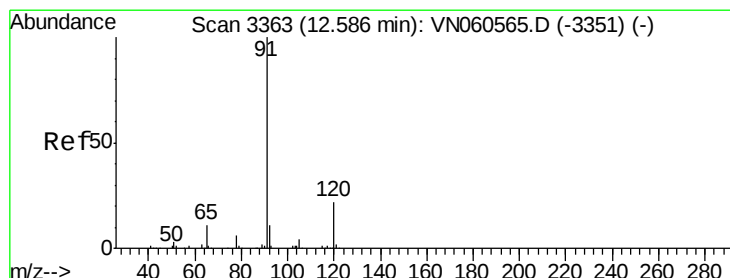
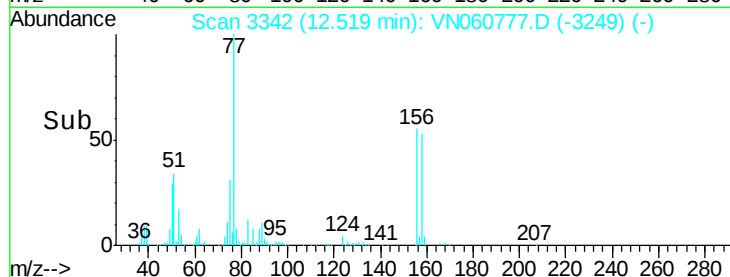
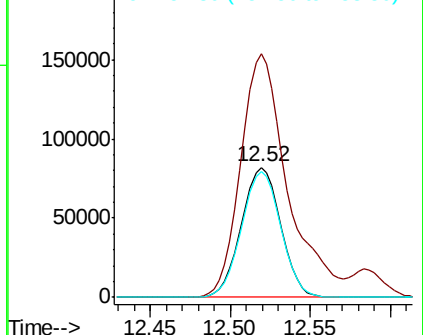
158 96.6 48.6 145.8



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: 54.641 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060777.D

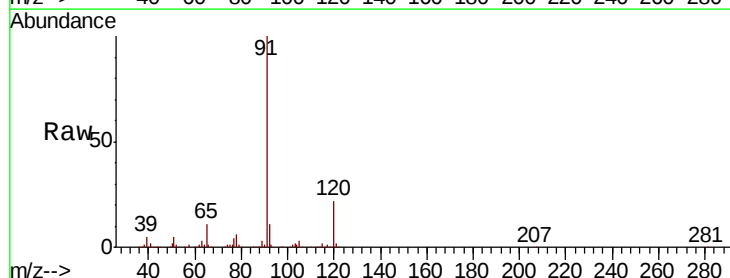
Acq: 31 Mar 2020 10:28

Tgt Ion: 91 Resp: 700512

Ion Ratio Lower Upper

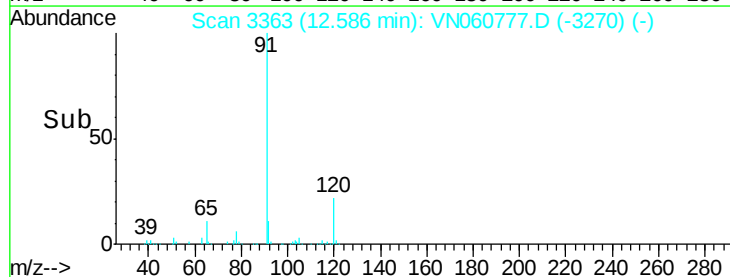
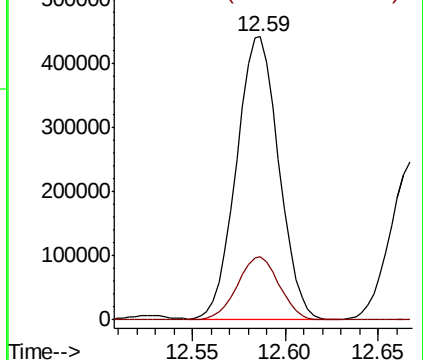
91 100

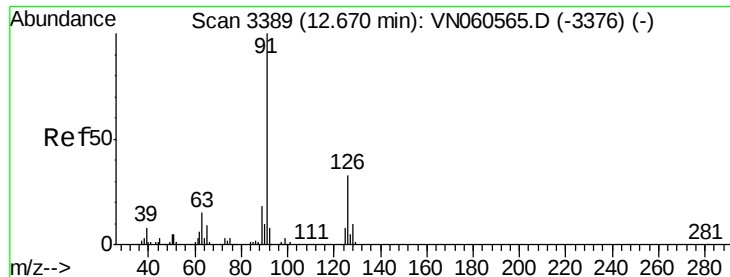
120 22.1 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.727 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

Instrument :

MSVOA_N

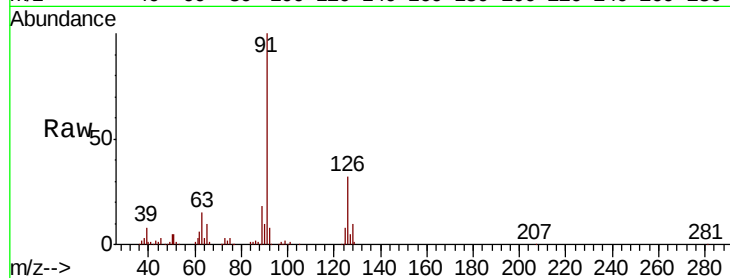
ClientSampleId :

Tot Ion: 91 Resp: 403894

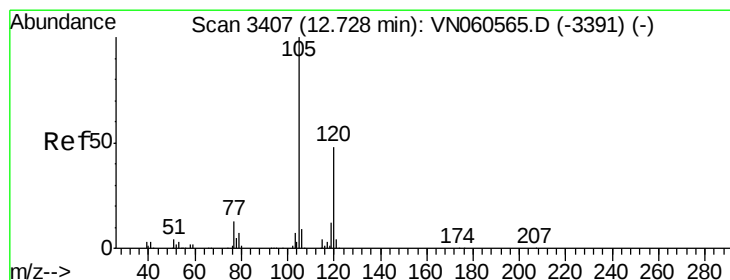
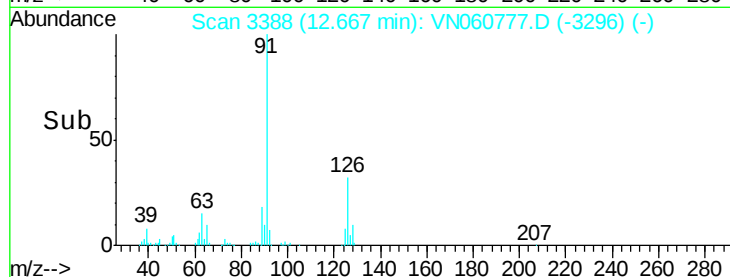
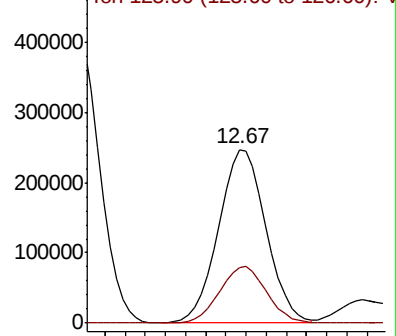
Ion Ratio Lower Upper

91 100

126 32.5 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN060777.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.783 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060777.D

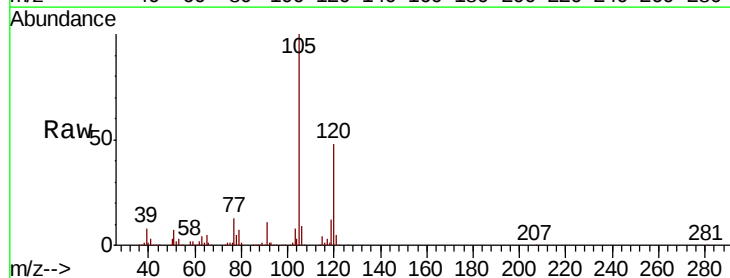
Acq: 31 Mar 2020 10:28

Tgt Ion:105 Resp: 495272

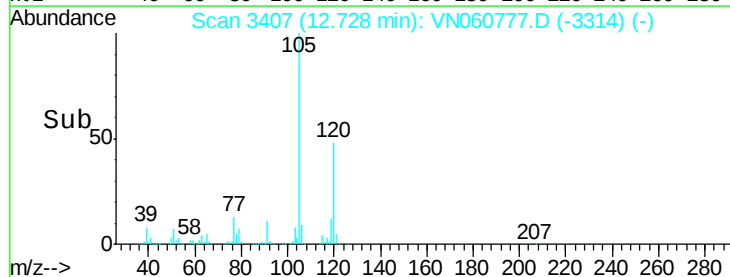
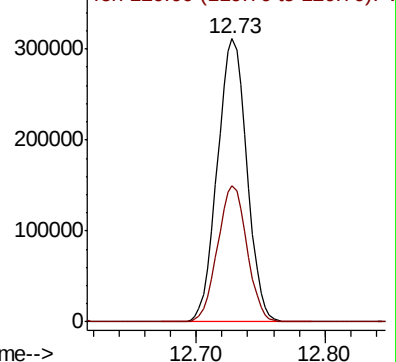
Ion Ratio Lower Upper

105 100

120 48.0 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060777.D (-3391) (-)

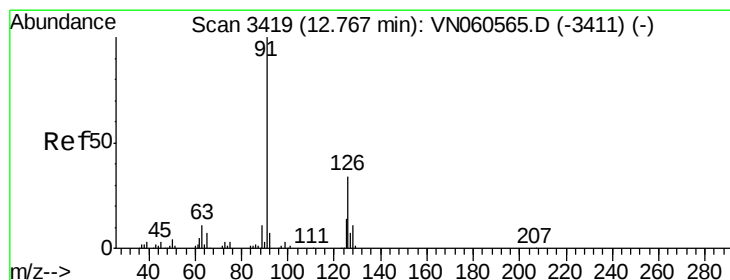
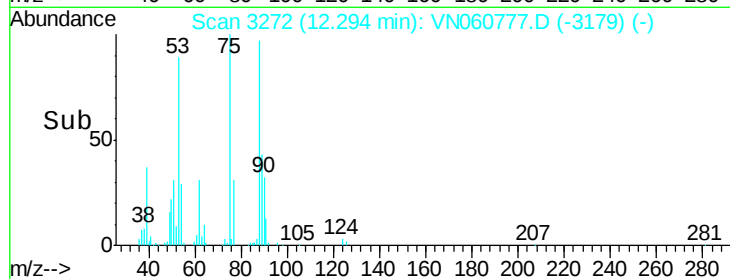
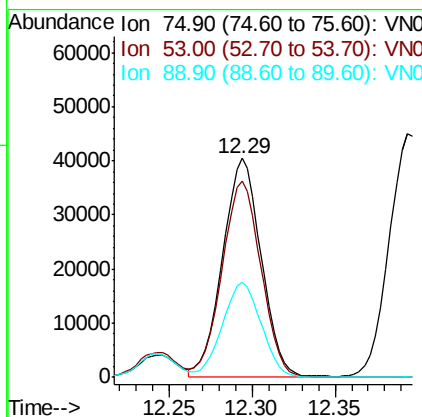
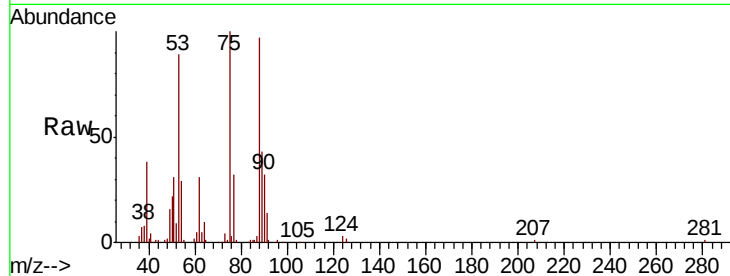




#81
trans-1,4-Dichloro-2-butene
Concen: 54.074 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

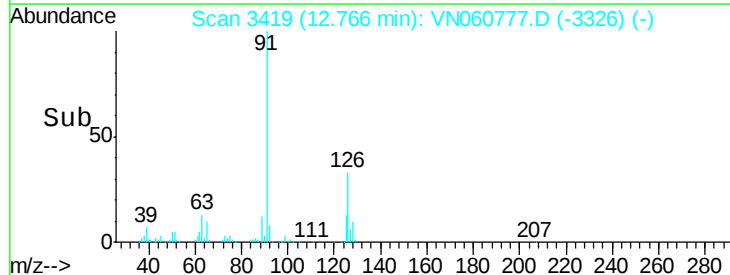
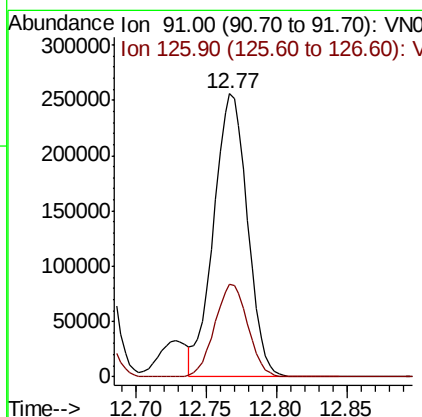
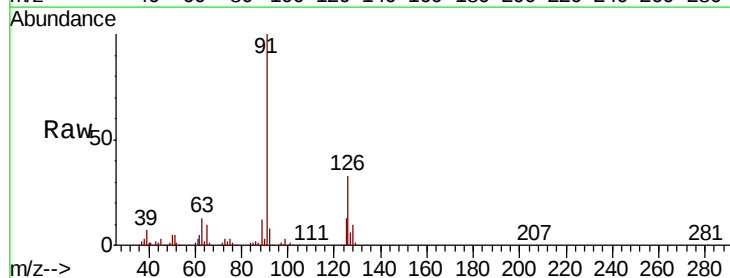
Instrument :
MSVOA_N
ClientSampleId :

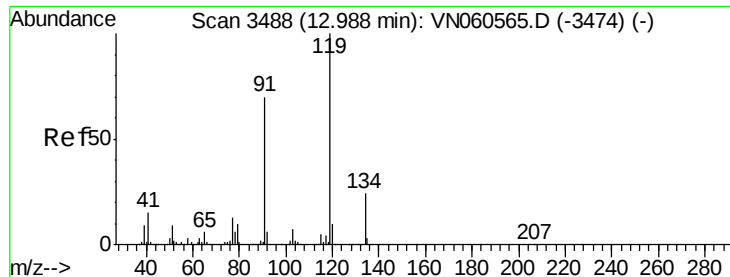
Tot Ion: 75 Resp: 65691
Ion Ratio Lower Upper
75 100
53 90.5 73.0 109.4
89 43.3 34.8 52.2



#82
4-Chlorotoluene
Concen: 54.562 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

Tgt Ion: 91 Resp: 425673
Ion Ratio Lower Upper
91 100
126 32.1 16.2 48.5





#83

tert-Butylbenzene

Concen: 54.480 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

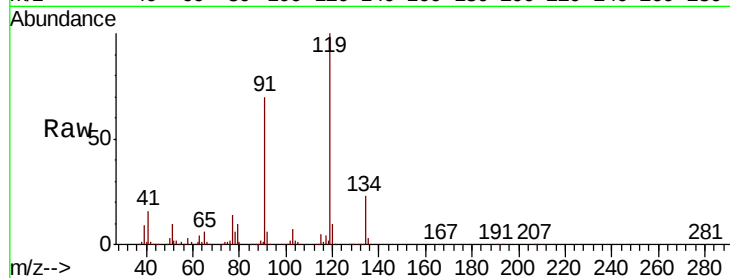
Tot Ion:119 Resp: 415889

Ion Ratio Lower Upper

119 100

91 68.0 34.0 101.8

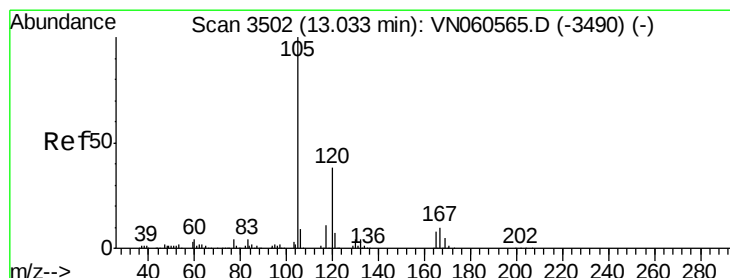
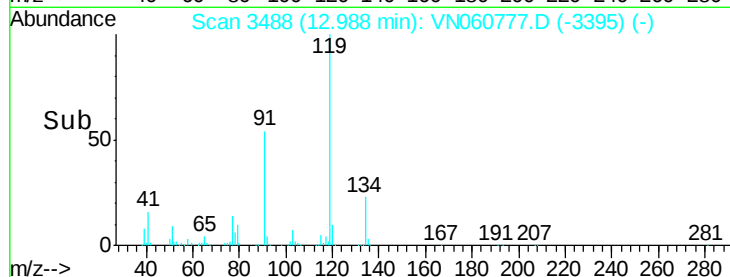
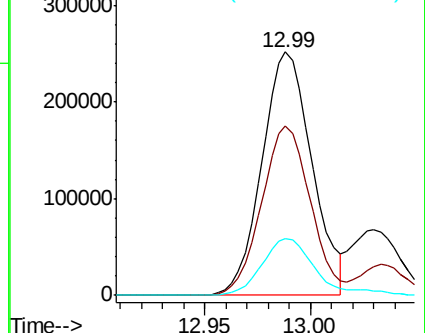
134 25.0 12.7 38.0



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: 54.835 ug/l

RT: 13.03 min Scan# 3502

Delta R.T. -0.00 min

Lab File: VN060777.D

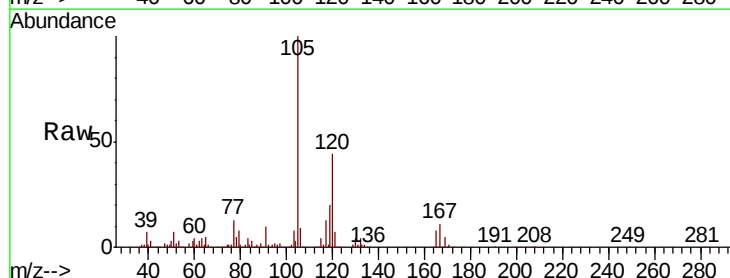
Acq: 31 Mar 2020 10:28

Tgt Ion:105 Resp: 499560

Ion Ratio Lower Upper

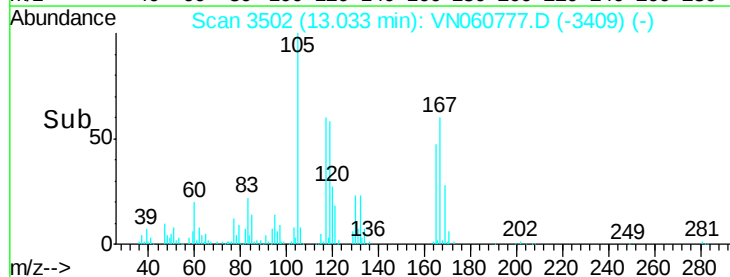
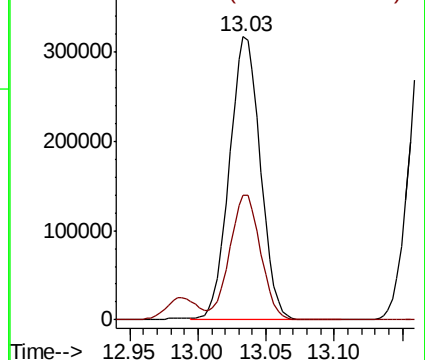
105 100

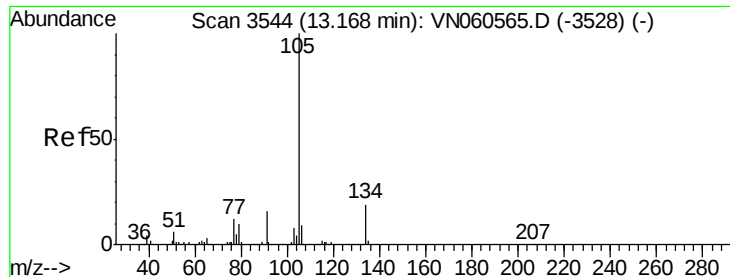
120 43.9 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 56.161 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

Instrument :

MSVOA_N

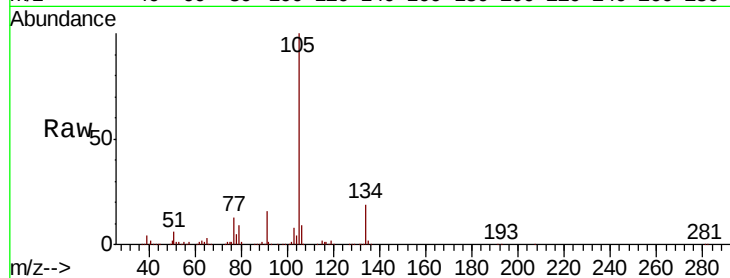
ClientSampleId :

Tot Ion:105 Resp: 576500

Ion Ratio Lower Upper

105 100

134 19.3 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

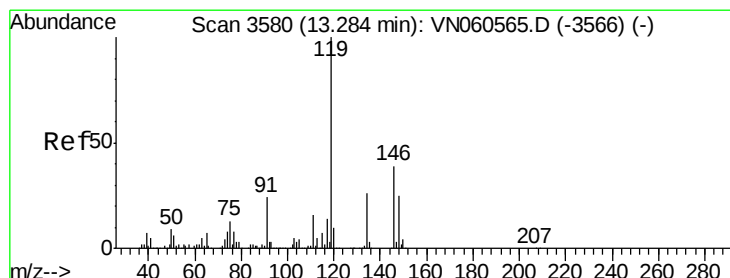
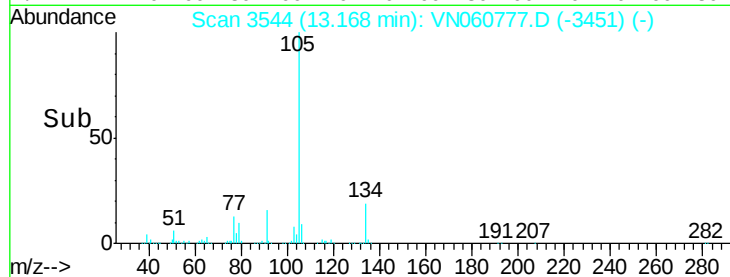
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 56.435 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

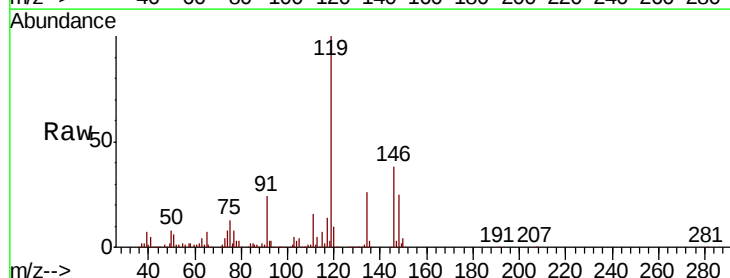
Tgt Ion:119 Resp: 520933

Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

91 24.3 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

400000

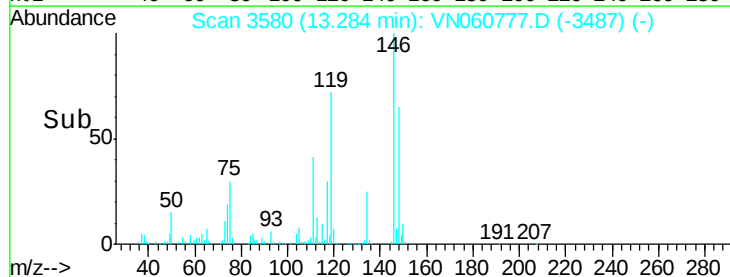
300000

200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 54.414 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

Instrument :

MSVOA_N

ClientSampleId :

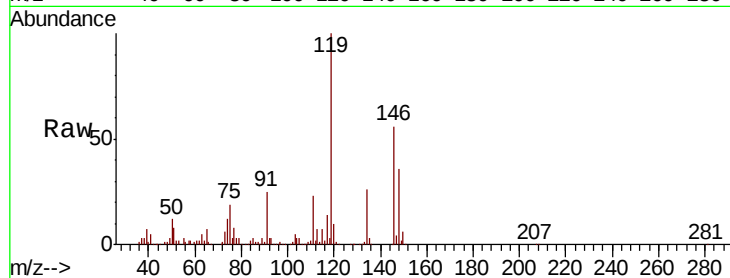
Tot Ion:146 Resp: 250943

Ion Ratio Lower Upper

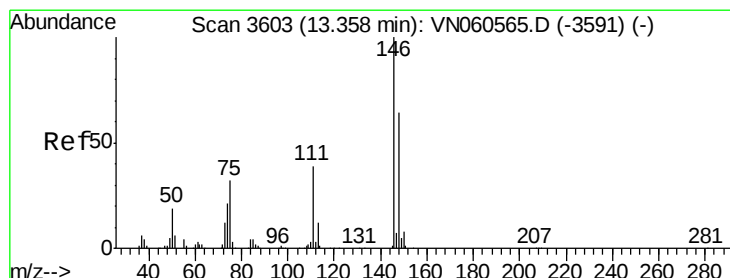
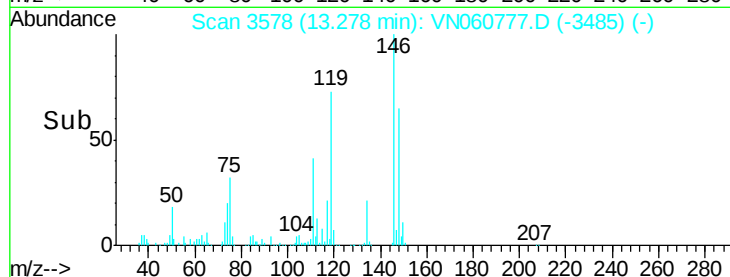
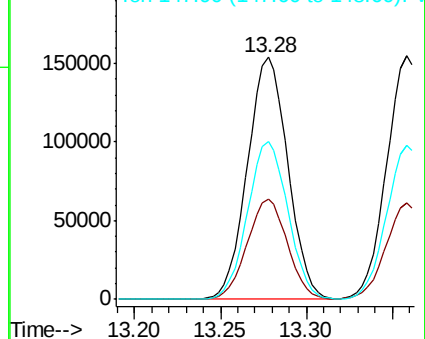
146 100

111 41.1 20.3 60.8

148 65.0 32.5 97.4



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



#88

1,4-Dichlorobenzene

Concen: 54.350 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN060777.D

Acq: 31 Mar 2020 10:28

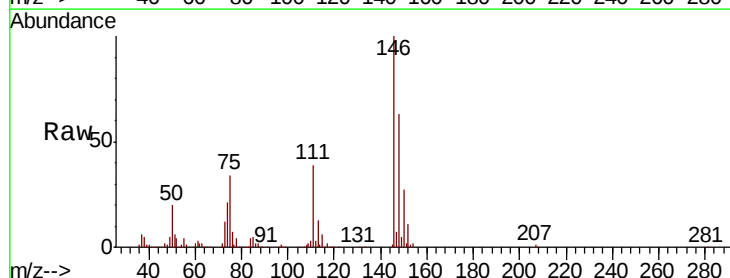
Tgt Ion:146 Resp: 251824

Ion Ratio Lower Upper

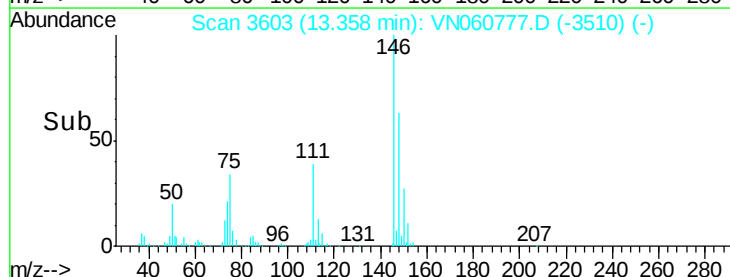
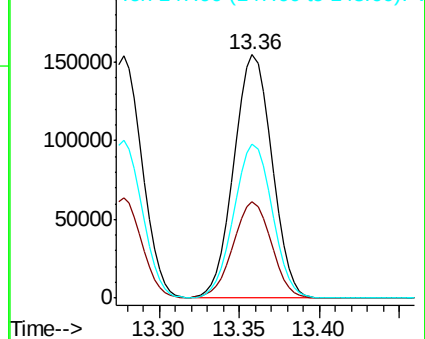
146 100

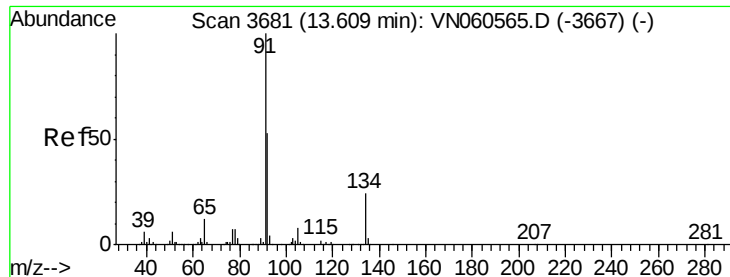
111 39.5 19.6 58.7

148 63.7 32.1 96.3



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

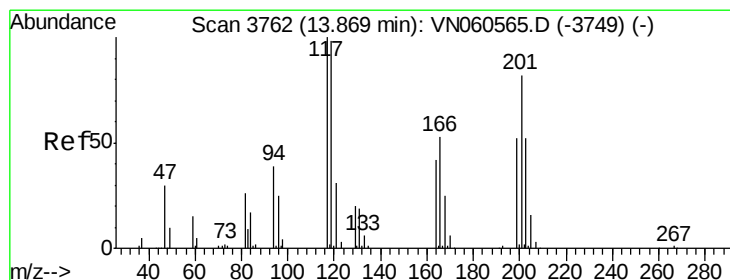
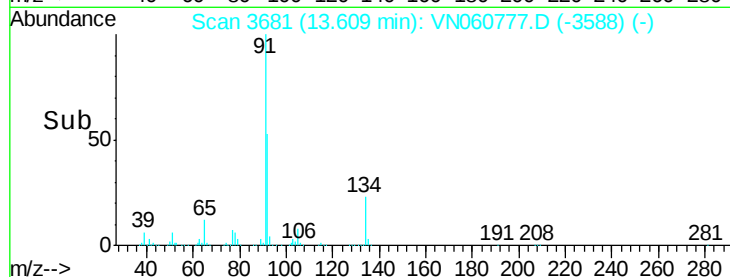
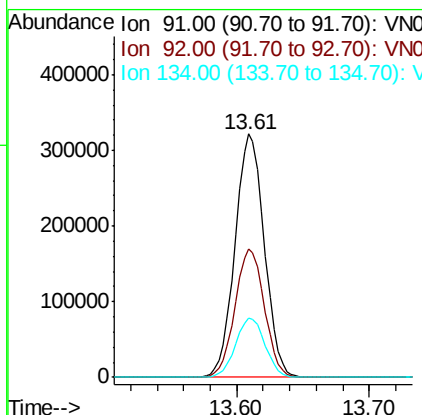
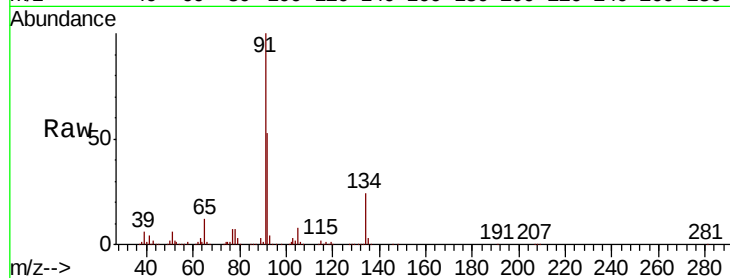




#89
n-Butylbenzene
Concen: 58.976 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

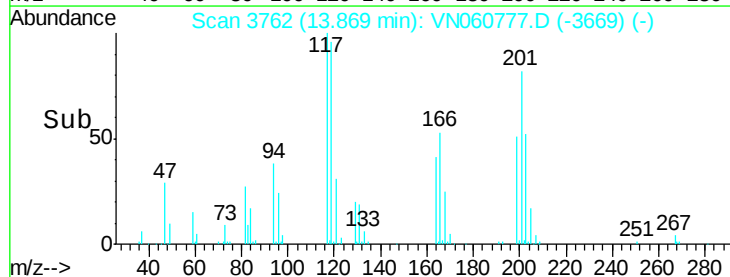
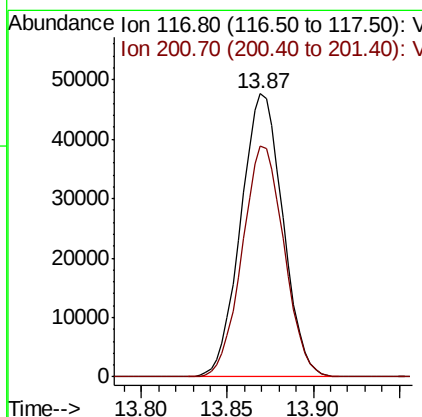
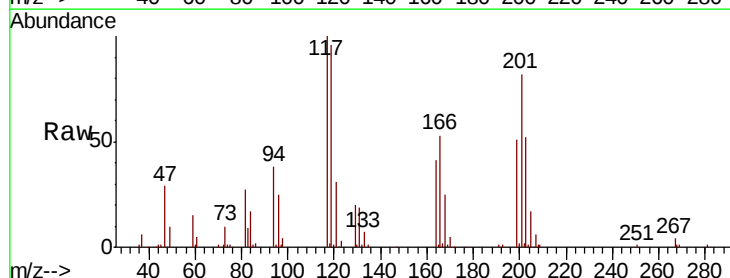
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 491507
Ion Ratio Lower Upper
91 100
92 53.0 26.2 78.5
134 24.6 12.3 36.9



#90
Hexachloroethane
Concen: 60.280 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

Tgt Ion: 117 Resp: 80881
Ion Ratio Lower Upper
117 100
201 81.1 40.8 122.5

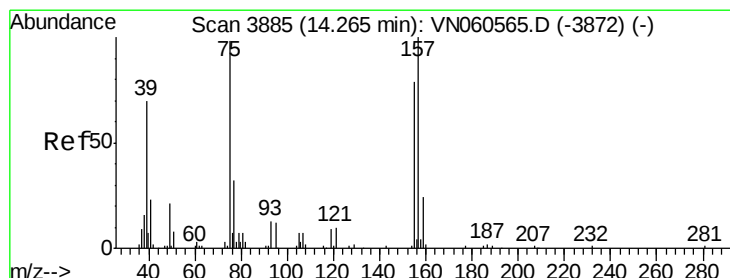
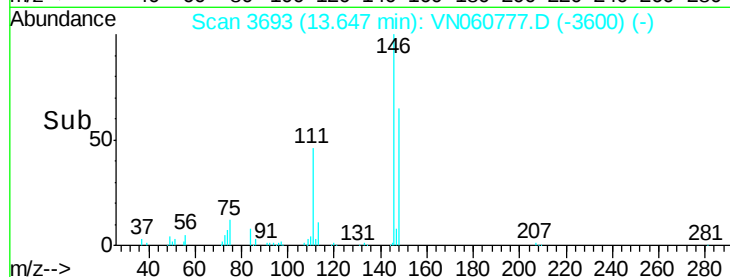
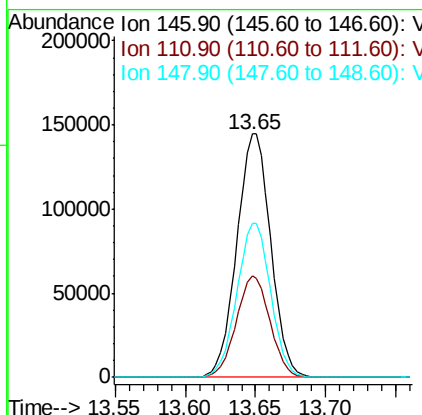
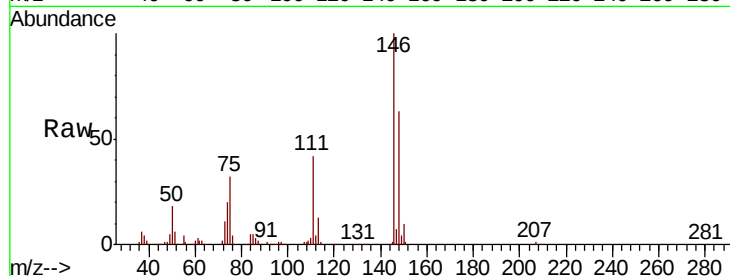




#91
 1,2-Dichlorobenzene
 Concen: 55.278 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060777.D
 Acq: 31 Mar 2020 10:28

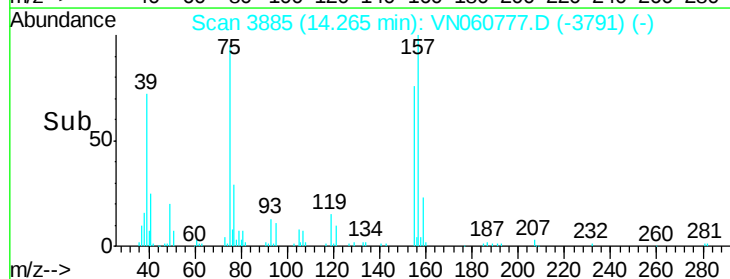
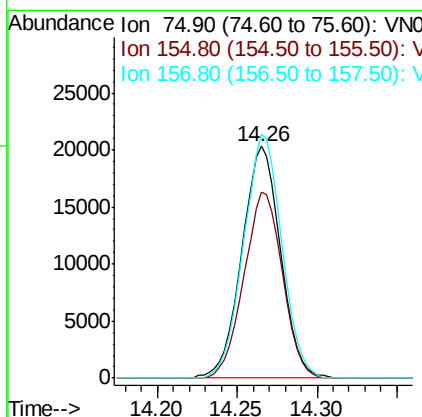
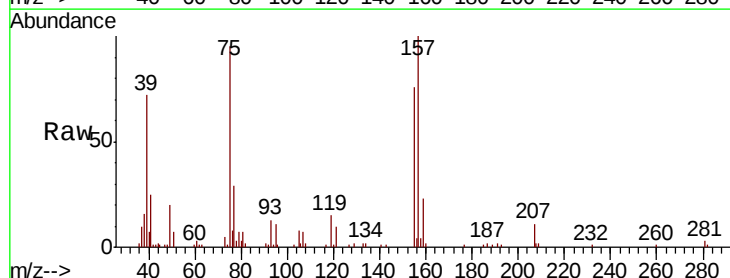
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.0	63.0
148	62.9	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.711 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060777.D
 Acq: 31 Mar 2020 10:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.0	40.7	122.1
157	104.3	51.5	154.7

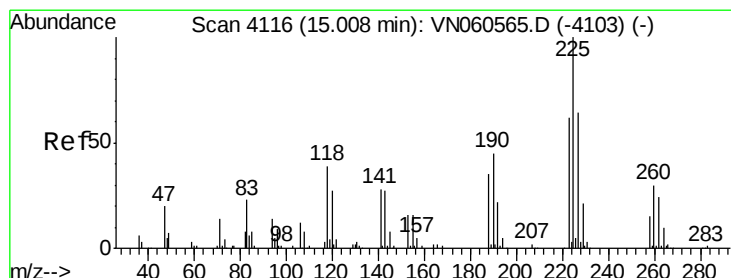
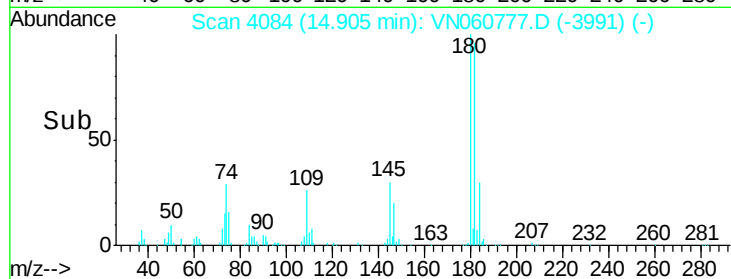
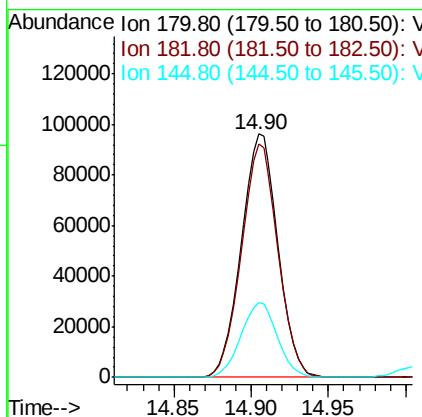
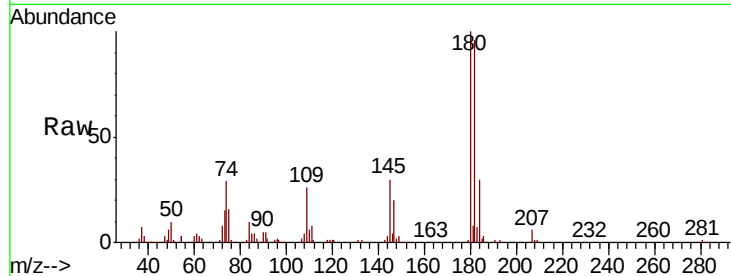




#93
 1,2,4-Trichlorobenzene
 Concen: 58.318 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060777.D
 Acq: 31 Mar 2020 10:28

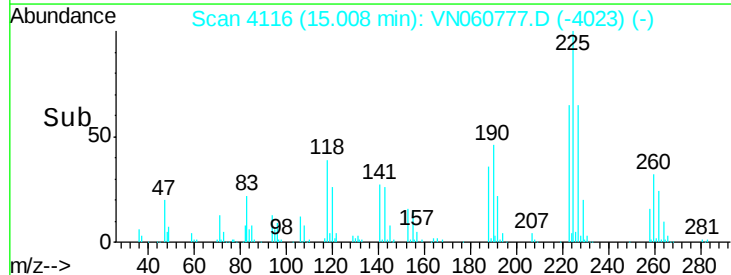
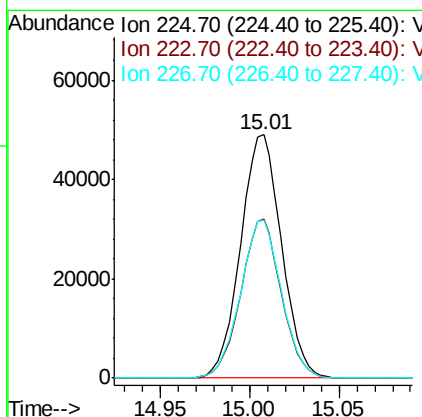
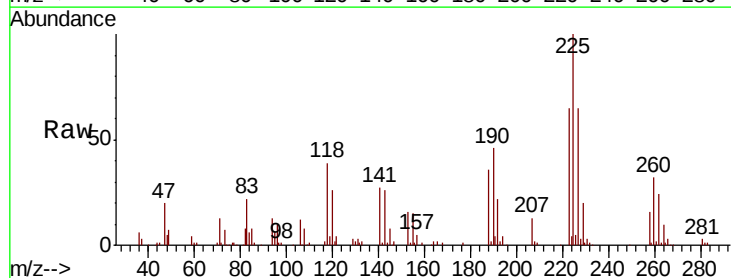
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 157924
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.9 143.8
 145 30.5 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 59.410 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060777.D
 Acq: 31 Mar 2020 10:28

Tgt Ion:225 Resp: 78868
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.6 95.0
 227 64.8 32.3 96.8

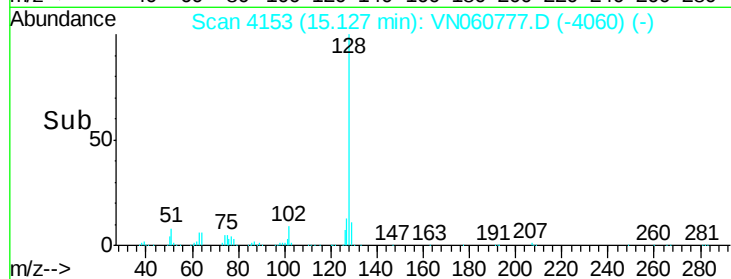
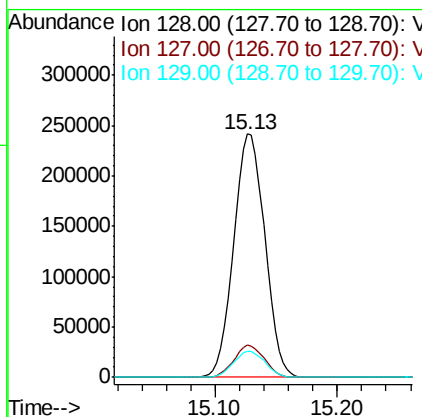
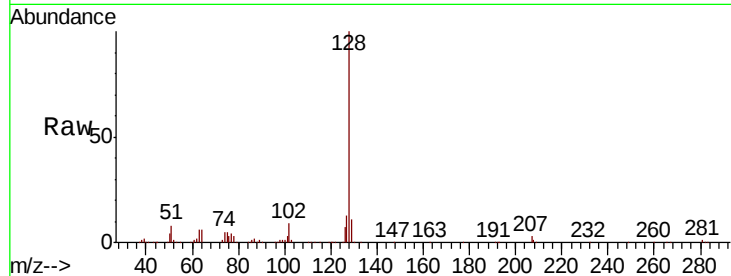




#95
Naphthalene
Concen: 52.446 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 54.924 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060777.D
Acq: 31 Mar 2020 10:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.6
145	32.2	16.3	48.8

