

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
 Data File : VN061377.D
 Acq On : 8 May 2020 21:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 09 00:51:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	102003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	175507	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	164537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	80661	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	82667	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
35) Dibromofluoromethane	7.55	113	46202	44.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.04%	
50) Toluene-d8	10.06	98	215242	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.38	95	81837	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	47776	44.169	ug/l	99
3) Chloromethane	2.03	50	64970	49.594	ug/l	98
4) Vinyl Chloride	2.16	62	72349	48.624	ug/l	100
5) Bromomethane	2.52	94	28707	39.031	ug/l	100
6) Chloroethane	2.66	64	43424	46.044	ug/l	99
7) Trichlorofluoromethane	2.98	101	90960	54.184	ug/l	99
8) Diethyl Ether	3.37	74	36366	51.936	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	53281	49.267	ug/l	100
10) Methyl Iodide	3.91	142	51285	36.899	ug/l	99
11) Tert butyl alcohol	4.73	59	59675	276.007	ug/l	100
12) 1,1-Dichloroethene	3.69	96	50260	46.701	ug/l	97
13) Acrolein	3.56	56	30070	208.701	ug/l	97
14) Allyl chloride	4.27	41	110220	55.235	ug/l	98
15) Acrylonitrile	4.93	53	178878	269.516	ug/l	99
16) Acetone	3.77	43	161003	258.109	ug/l	100
17) Carbon Disulfide	4.01	76	97454	32.781	ug/l	99
18) Methyl Acetate	4.27	43	100530	49.352	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	202250	49.181	ug/l	100
20) Methylene Chloride	4.50	84	60004	47.678	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	54850	46.804	ug/l	99
22) Diisopropyl ether	5.90	45	239044	51.658	ug/l	99
23) Vinyl Acetate	5.84	43	954654	256.222	ug/l	100
24) 1,1-Dichloroethane	5.80	63	120328	49.769	ug/l	99
25) 2-Butanone	6.79	43	255235	267.246	ug/l	99
26) 2,2-Dichloropropane	6.77	77	92985	45.661	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	66265	48.184	ug/l	98
28) Bromochloromethane	7.15	49	59408	51.842	ug/l	97
29) Tetrahydrofuran	7.17	42	171915	267.220	ug/l	97
30) Chloroform	7.33	83	118600	48.406	ug/l	99
31) Cyclohexane	7.61	56	98357	41.890	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	101839	47.733	ug/l	99
36) 1,1-Dichloropropene	7.75	75	84477	48.083	ug/l	99
37) Ethyl Acetate	6.88	43	106397	51.657	ug/l	99
38) Carbon Tetrachloride	7.73	117	77981	48.710	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	83855	42.559	ug/l	99
40) Benzene	8.00	78	249752	47.715	ug/l	99
41) Methacrylonitrile	7.12	41	50861	59.474	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	100051	50.456	ug/l	99
43) Isopropyl Acetate	8.13	43	174307	50.993	ug/l	99
44) Trichloroethene	8.80	130	61645	43.566	ug/l	99
45) 1,2-Dichloropropane	9.08	63	70957	50.742	ug/l	97
46) Dibromomethane	9.17	93	43788	50.573	ug/l	98
47) Bromodichloromethane	9.37	83	94982	51.109	ug/l	99
48) Methyl methacrylate	9.17	41	82822	53.693	ug/l	98
49) 1,4-Dioxane	9.17	88	18967	1083.253	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	544619	270.679	ug/l	100
52) Toluene	10.12	92	153171	48.583	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	103258	49.310	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	108031	48.798	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	62260	49.509	ug/l	99
56) Ethyl methacrylate	10.40	69	102664	47.021	ug/l	98
57) 1,3-Dichloropropane	10.68	76	111386	50.391	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	256884	252.363	ug/l	99
59) 2-Hexanone	10.72	43	400460	273.575	ug/l	100
60) Dibromochloromethane	10.87	129	66760	50.688	ug/l	99
61) 1,2-Dibromoethane	10.98	107	61998	49.188	ug/l	98
64) Tetrachloroethene	10.60	164	59504	41.755	ug/l	99
65) Chlorobenzene	11.41	112	159418	48.843	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	59749	51.148	ug/l	99
67) Ethyl Benzene	11.48	91	300117	49.120	ug/l	99
68) m/p-Xylenes	11.60	106	218727	97.803	ug/l	97
69) o-Xylene	11.92	106	104966	48.862	ug/l	98
70) Styrene	11.94	104	182940	50.881	ug/l	99
71) Bromoform	12.10	173	46422	54.071	ug/l #	99
73) Isopropylbenzene	12.22	105	285660	48.174	ug/l	100
74) N-amyl acetate	12.04	43	152037	50.633	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	95181	51.477	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	129934	76.407	ug/l #	100
77) Bromobenzene	12.50	156	66693	48.722	ug/l	97
78) n-propylbenzene	12.57	91	341363	48.535	ug/l	99
79) 2-Chlorotoluene	12.65	91	201199	48.669	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	240007	48.903	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	33427	49.918	ug/l	98
82) 4-Chlorotoluene	12.75	91	215412	49.439	ug/l	99
83) tert-Butylbenzene	12.97	119	196105	47.388	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	245483	48.549	ug/l	99
85) sec-Butylbenzene	13.15	105	264452	46.871	ug/l	99
86) p-Isopropyltoluene	13.26	119	236265	46.477	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	121927	48.385	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	121958	47.367	ug/l	99
89) n-Butylbenzene	13.59	91	215213	46.181	ug/l	99
90) Hexachloroethane	13.85	117	31824	58.491	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	117073	48.453	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	20110	51.497	ug/l	98

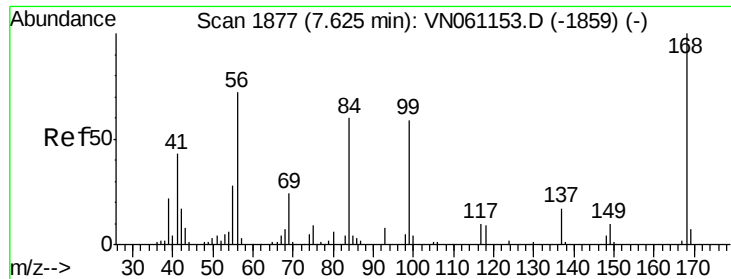
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Quant Title : SW846 8260
QLast Update : Tue May 05 07:01:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	66971	45.516	ug/l	99
94) Hexachlorobutadiene	14.99	225	28700	46.690	ug/l	98
95) Naphthalene	15.11	128	219470	45.801	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	66470	45.757	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

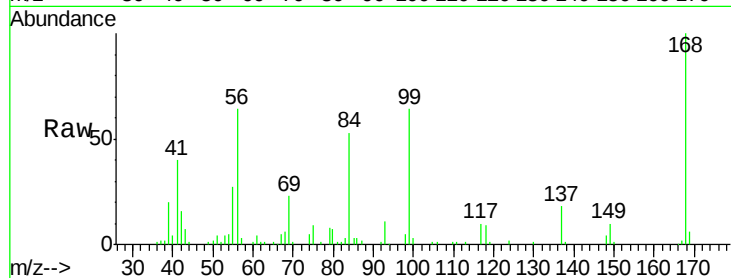
ClientSampleId :

Tot Ion:168 Resp: 102003

Ion Ratio Lower Upper

168 100

99 63.9 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

40000

30000

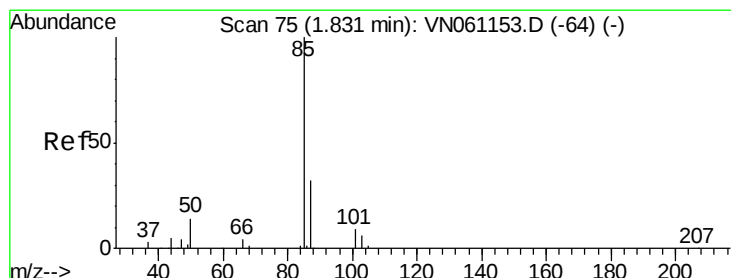
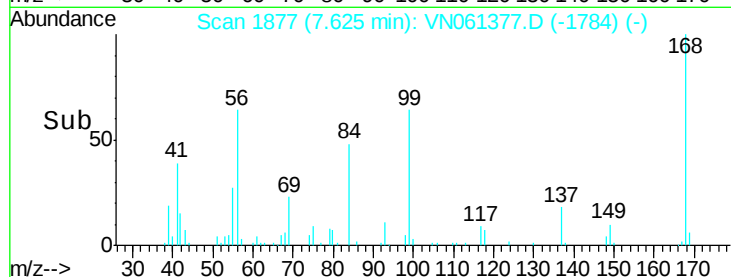
20000

10000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 44.169 ug/l

RT: 1.83 min Scan# 74

Delta R.T. -0.00 min

Lab File: VN061377.D

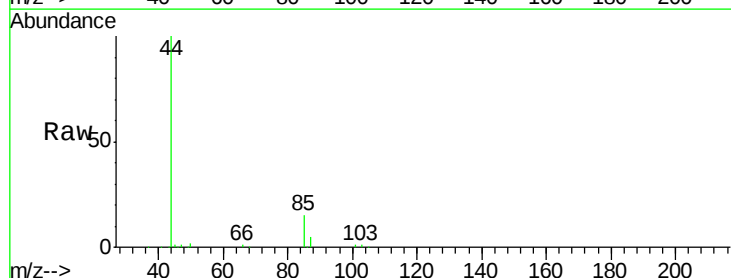
Acq: 8 May 2020 21:11

Tgt Ion: 85 Resp: 47776

Ion Ratio Lower Upper

85 100

87 31.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

40000

30000

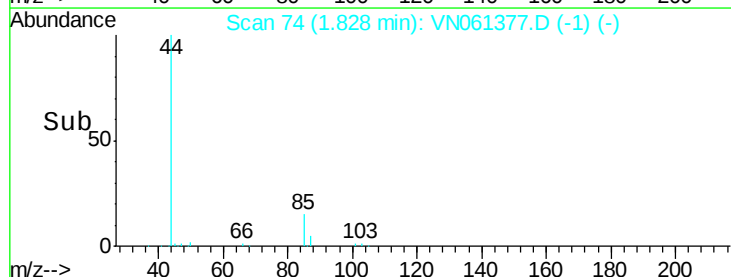
20000

10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 49.594 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

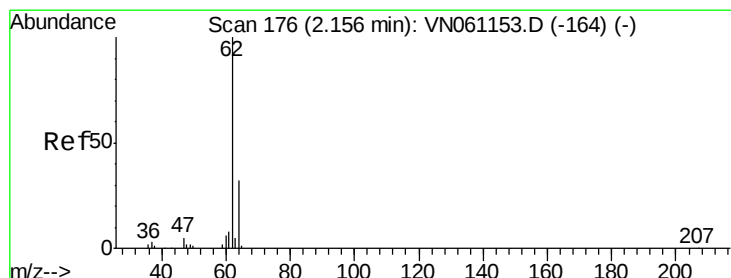
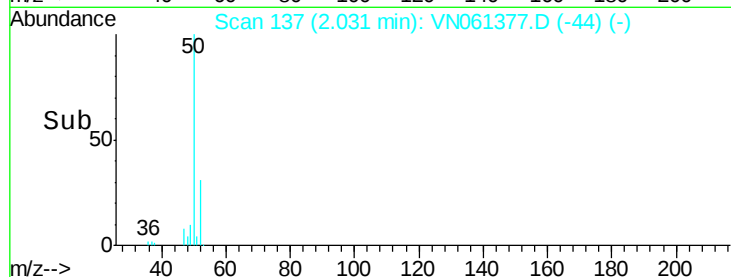
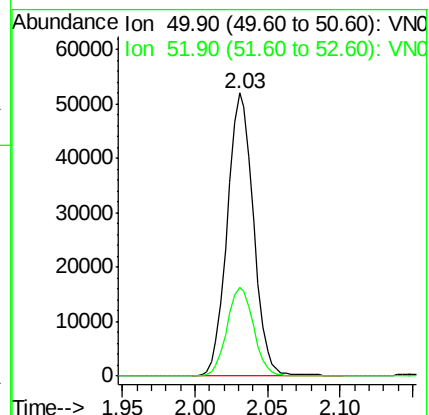
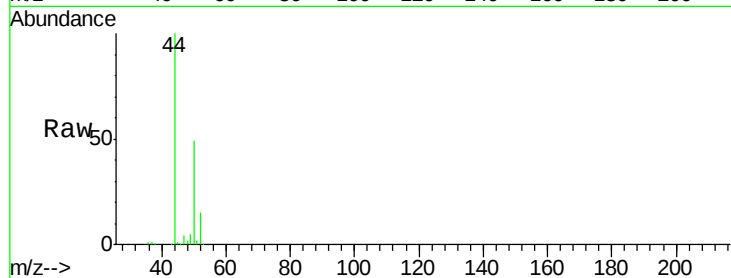
ClientSampled :

Tot Ion: 50 Resp: 64970

Ion Ratio Lower Upper

50 100

52 31.4 26.0 39.0



#4

Vinyl Chloride

Concen: 48.624 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061377.D

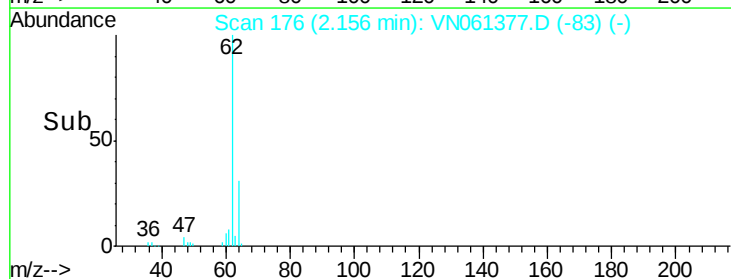
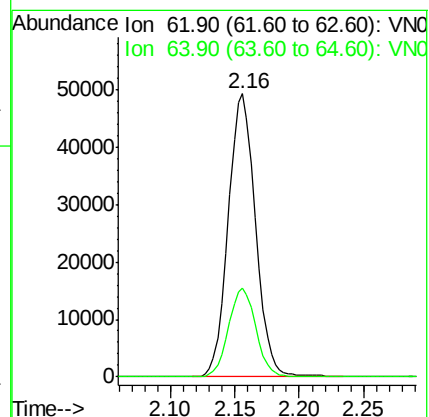
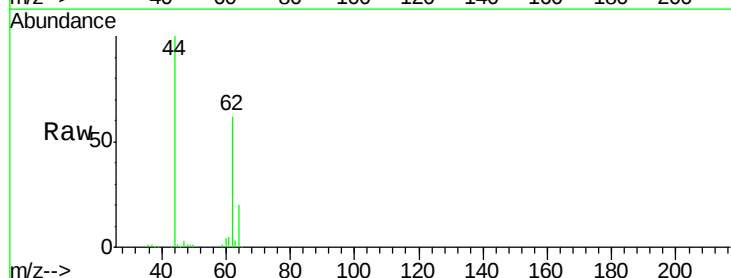
Acq: 8 May 2020 21:11

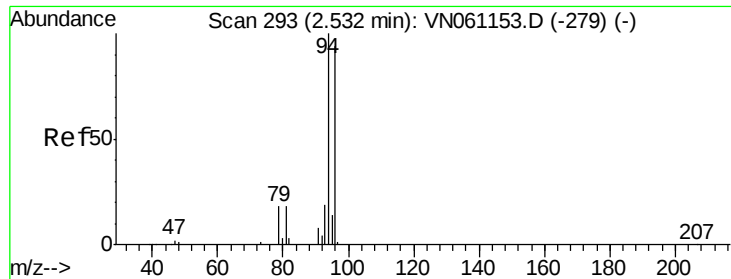
Tgt Ion: 62 Resp: 72349

Ion Ratio Lower Upper

62 100

64 31.5 25.2 37.8





#5

Bromomethane

Concen: 39.031 ug/l

RT: 2.52 min Scan# 290

Delta R.T. -0.01 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

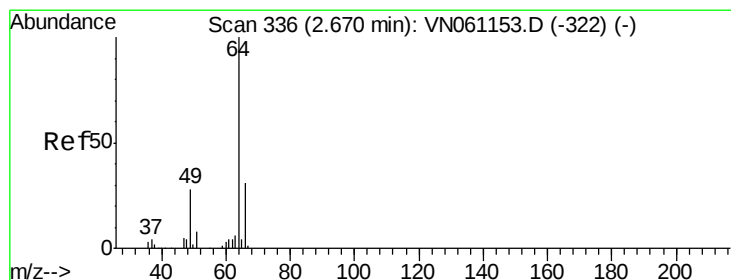
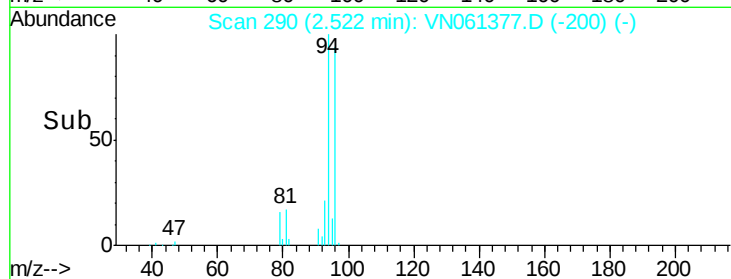
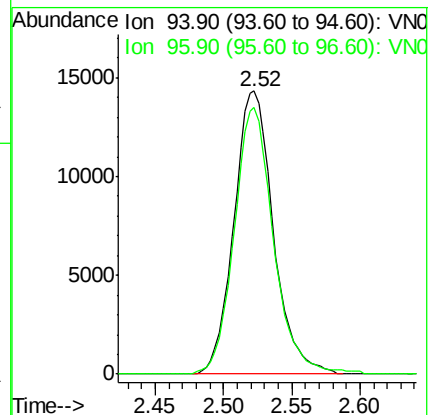
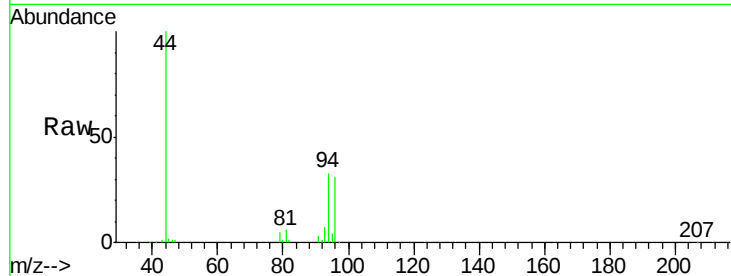
ClientSampleId :

Tot Ion: 94 Resp: 28707

Ion Ratio Lower Upper

94 100

96 94.1 75.1 112.7



#6

Chloroethane

Concen: 46.044 ug/l

RT: 2.66 min Scan# 334

Delta R.T. -0.01 min

Lab File: VN061377.D

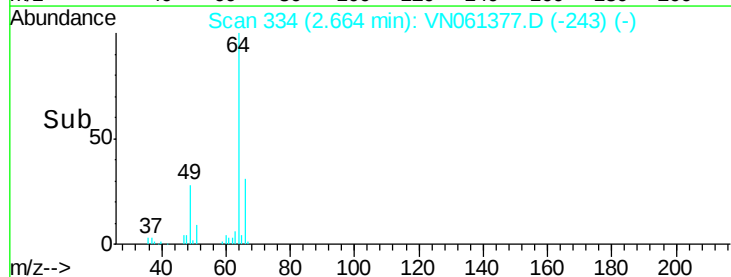
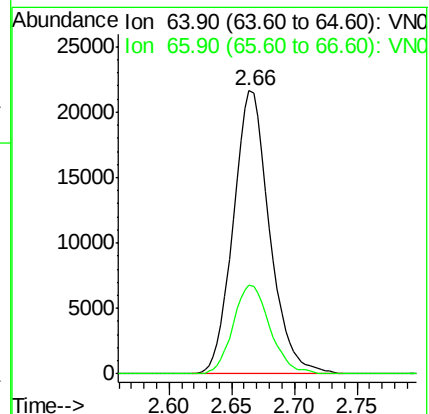
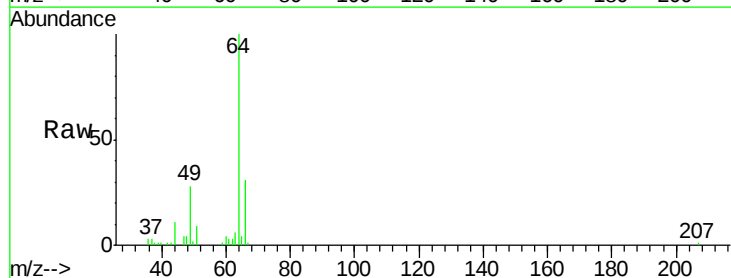
Acq: 8 May 2020 21:11

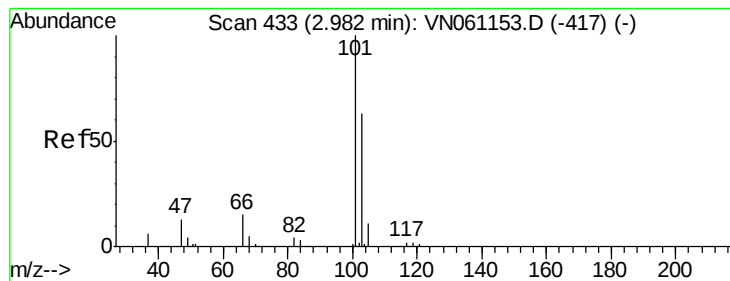
Tgt Ion: 64 Resp: 43424

Ion Ratio Lower Upper

64 100

66 31.2 24.6 36.8



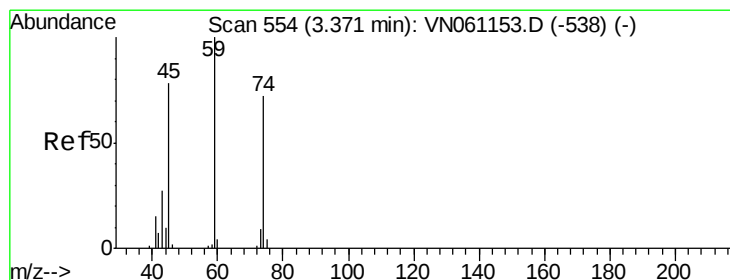
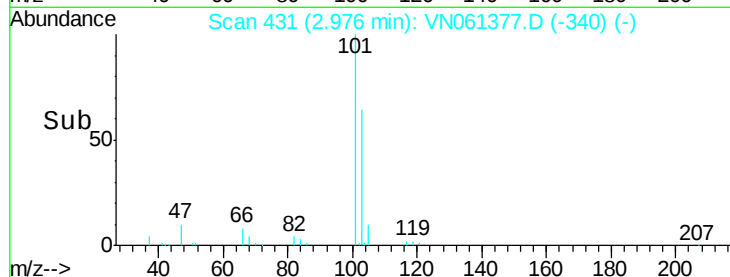
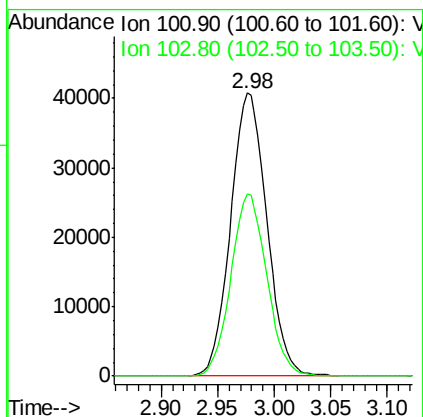
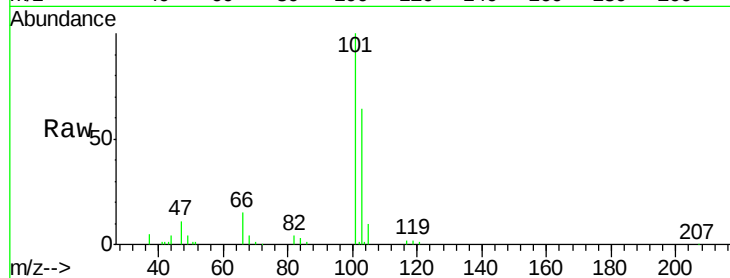


#7

Trichlorofluoromethane
 Concen: 54.184 ug/l
 RT: 2.98 min Scan# 431
 Delta R.T. -0.01 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Instrument :
 MSVOA_N
 ClientSampled :

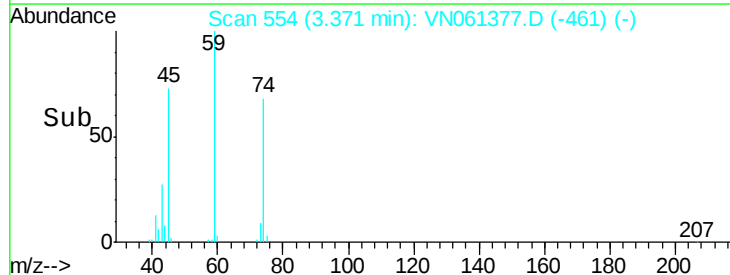
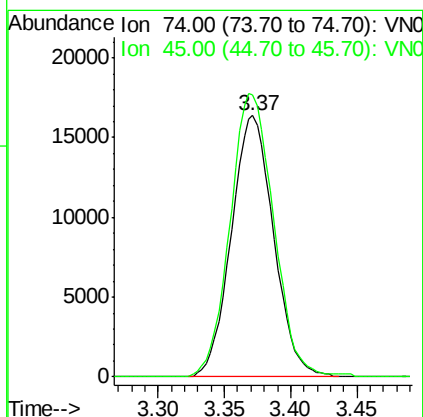
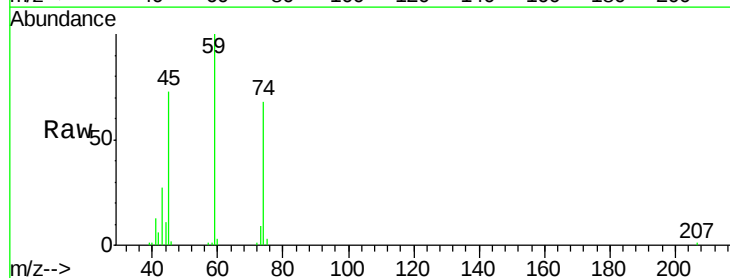
Tot Ion:101 Resp: 90960
 Ion Ratio Lower Upper
 101 100
 103 64.4 50.6 76.0



#8

Diethyl Ether
 Concen: 51.936 ug/l
 RT: 3.37 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Tgt Ion: 74 Resp: 36366
 Ion Ratio Lower Upper
 74 100
 45 111.4 53.3 160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.267 ug/l

RT: 3.71 min Scan# 660

Delta R.T. -0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

ClientSampleId :

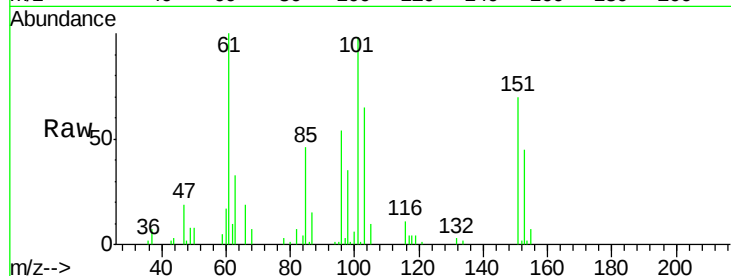
Tot Ion:101 Resp: 53281

Ion Ratio Lower Upper

101 100

85 46.5 37.2 55.8

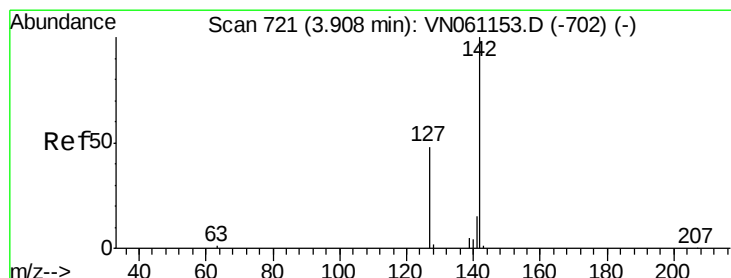
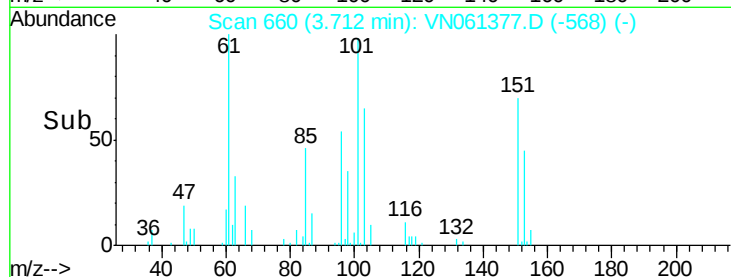
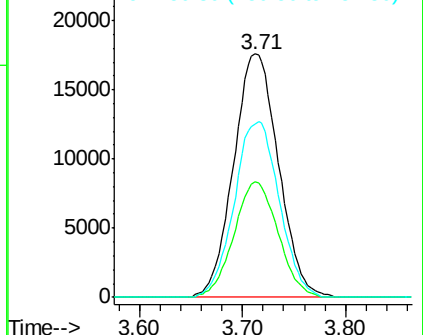
151 72.3 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 36.899 ug/l

RT: 3.91 min Scan# 721

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

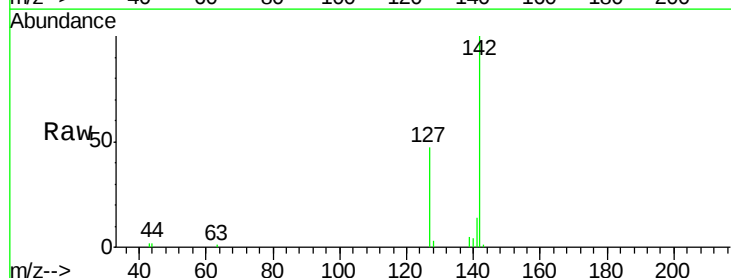
Tgt Ion:142 Resp: 51285

Ion Ratio Lower Upper

142 100

127 48.1 38.0 57.0

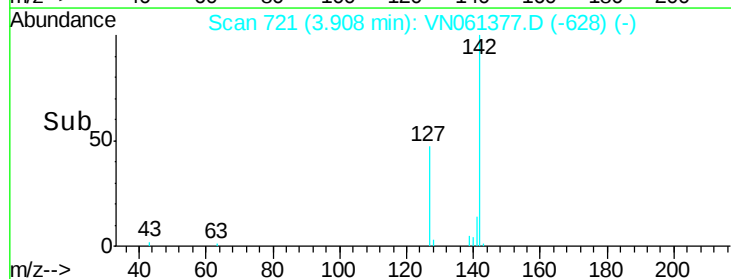
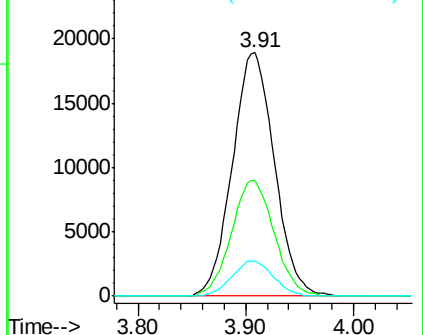
141 14.3 11.7 17.5

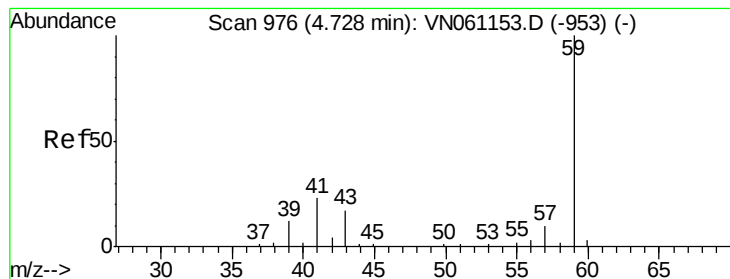


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



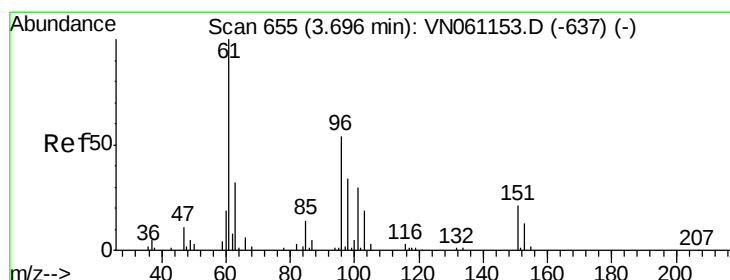
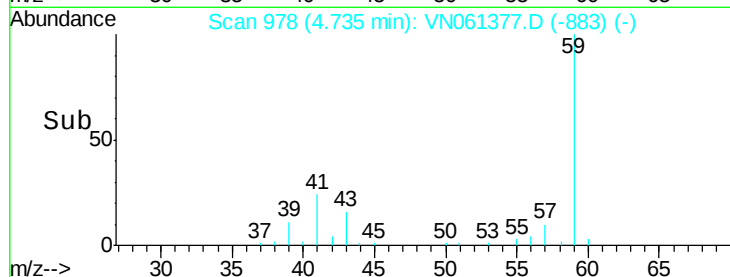
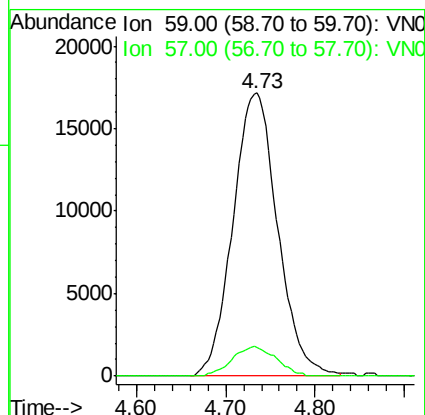
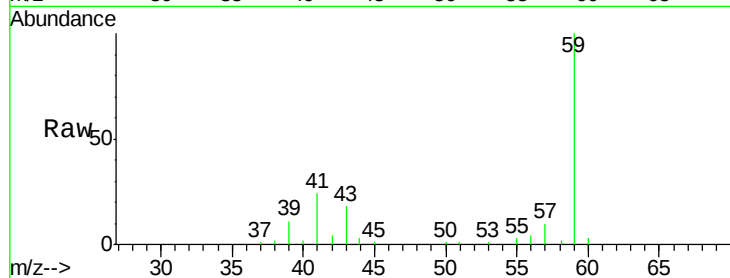


#11

Tert butyl alcohol
 Concen: 276.007 ug/l
 RT: 4.73 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Instrument :
 MSVOA_N
 ClientSampleId :

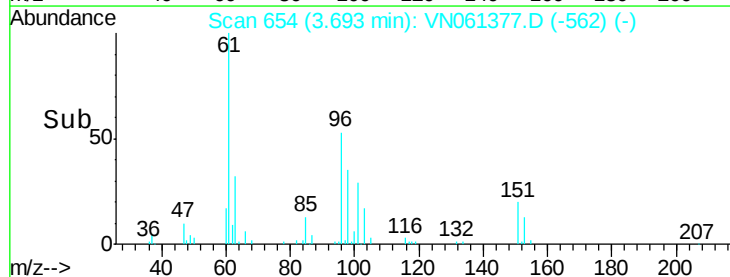
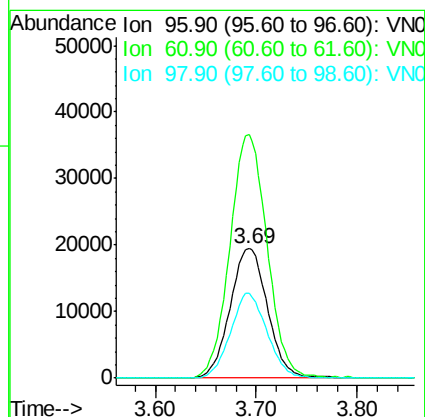
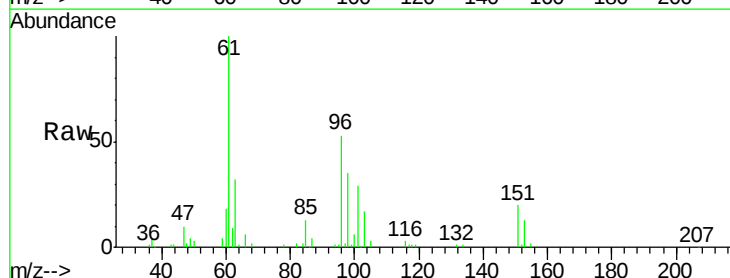
Tot Ion: 59 Resp: 59675
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.3 12.5

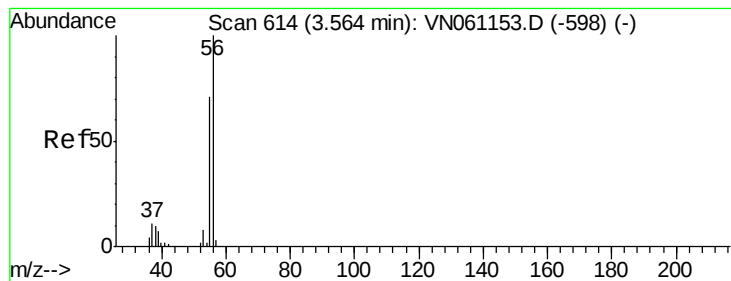


#12

1,1-Dichloroethene
 Concen: 46.701 ug/l
 RT: 3.69 min Scan# 654
 Delta R.T. -0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Tgt Ion: 96 Resp: 50260
 Ion Ratio Lower Upper
 96 100
 61 187.8 147.0 220.6
 98 65.7 49.8 74.6





#13

Acrolein

Concen: 208.701 ug/l

RT: 3.56 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

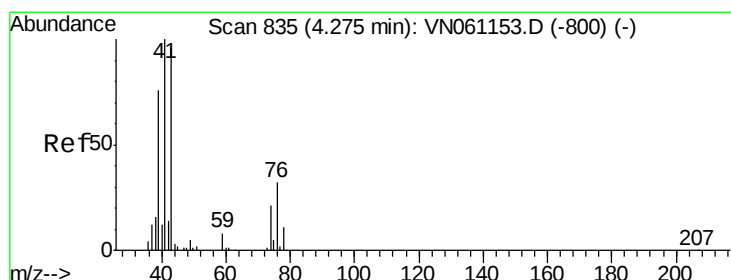
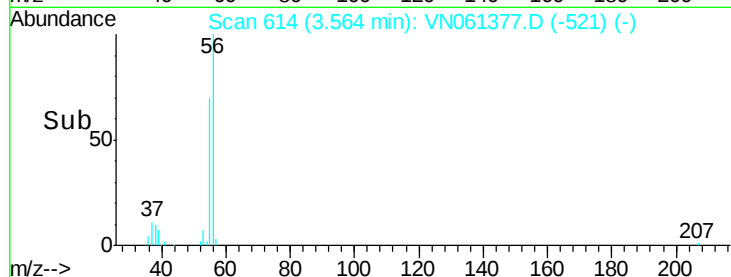
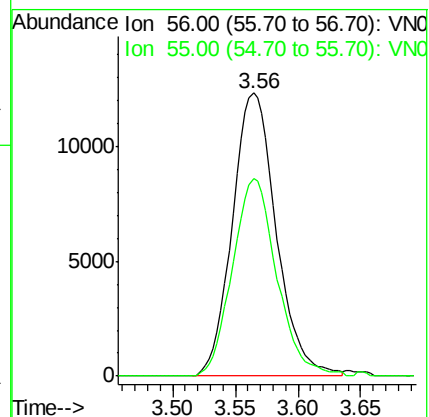
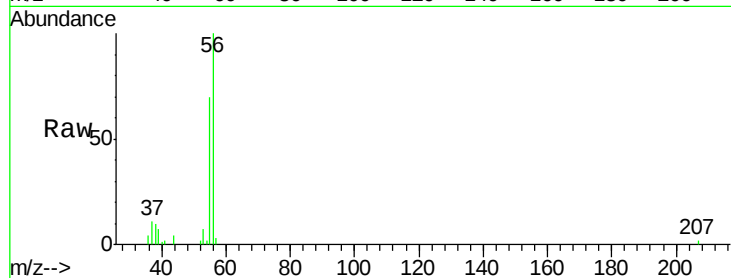
ClientSampled :

Tot Ion: 56 Resp: 30070

Ion Ratio Lower Upper

56 100

55 70.2 58.5 87.7



#14

Allyl chloride

Concen: 55.235 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

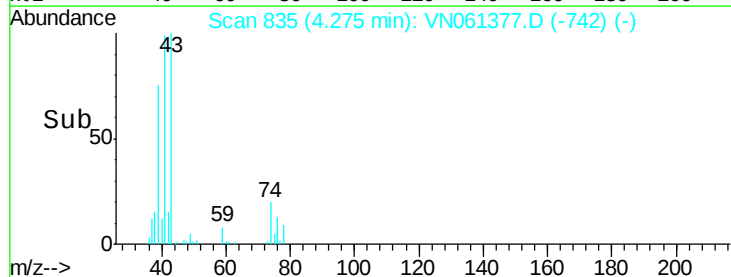
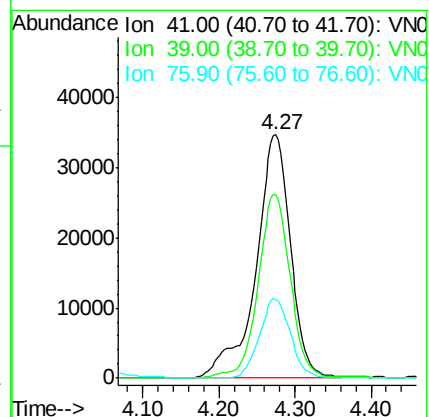
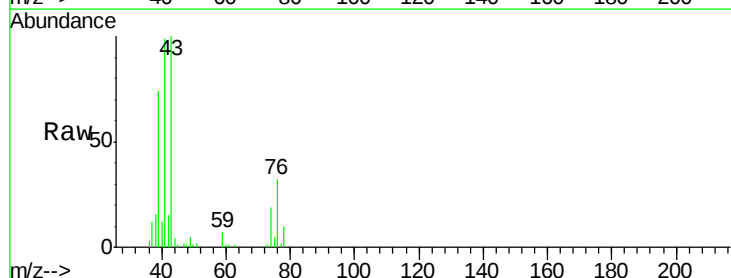
Tgt Ion: 41 Resp: 110220

Ion Ratio Lower Upper

41 100

39 70.3 57.1 85.7

76 28.9 24.3 36.5





#15

Acrylonitrile

Concen: 269.516 ug/l

RT: 4.93 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

ClientSampleId :

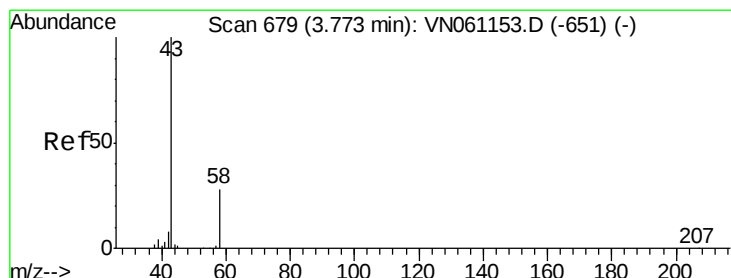
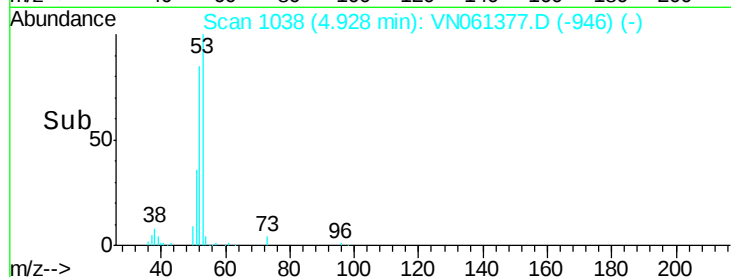
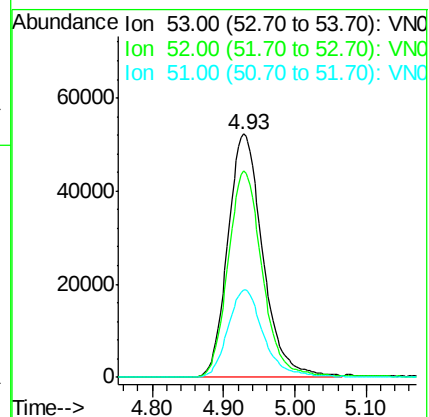
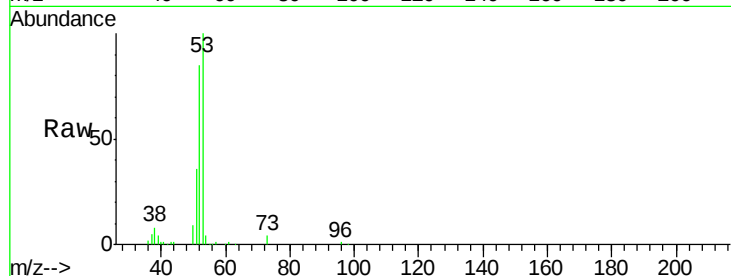
Tot Ion: 53 Resp: 178878

Ion Ratio Lower Upper

53 100

52 82.3 65.4 98.0

51 36.6 29.5 44.3



#16

Acetone

Concen: 258.109 ug/l

RT: 3.77 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN061377.D

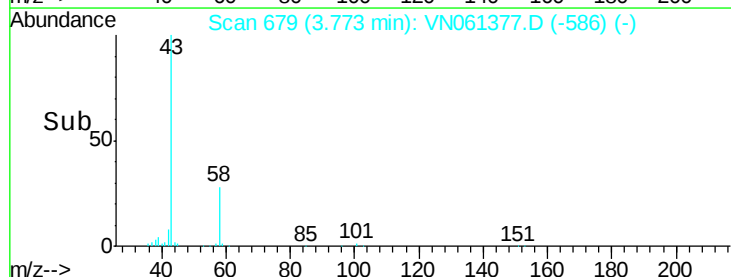
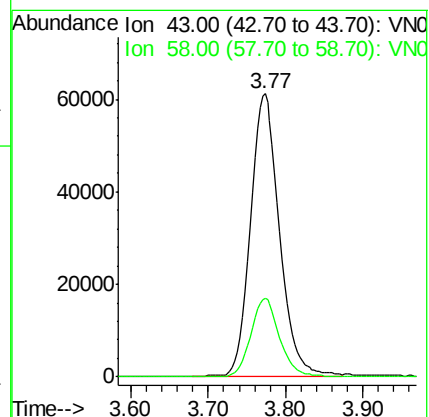
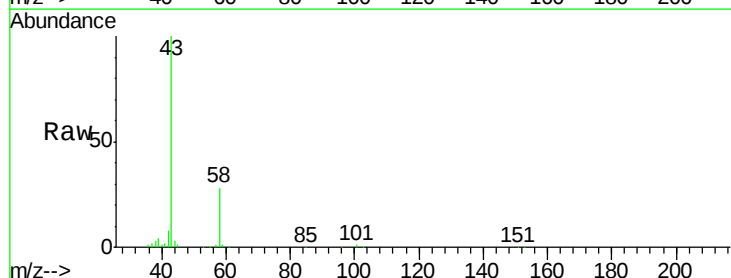
Acq: 8 May 2020 21:11

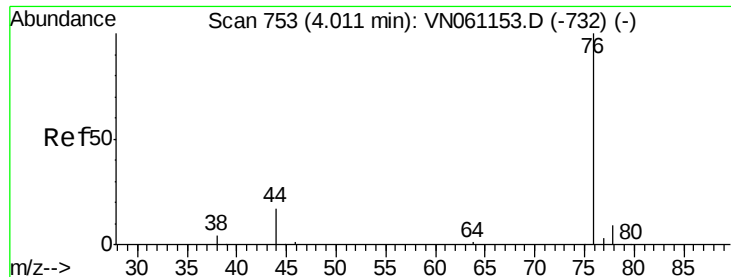
Tgt Ion: 43 Resp: 161003

Ion Ratio Lower Upper

43 100

58 28.0 22.2 33.2

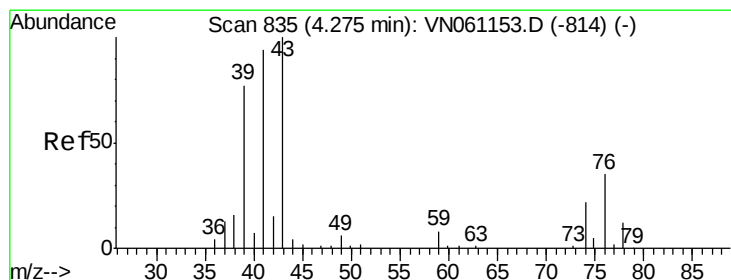
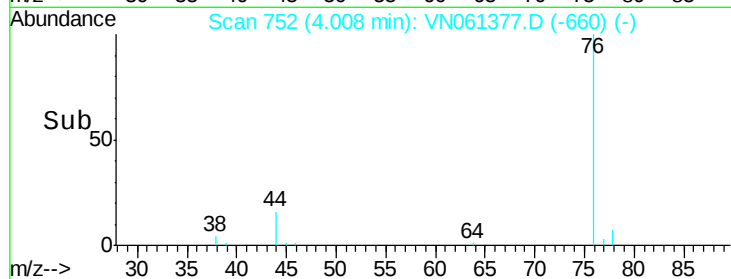
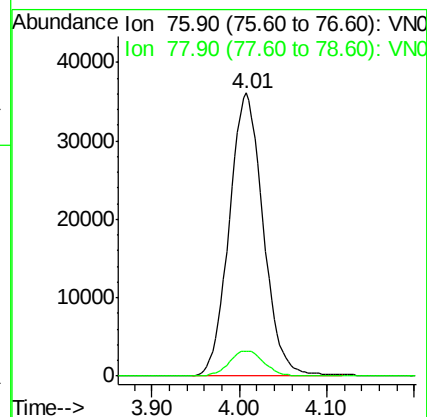
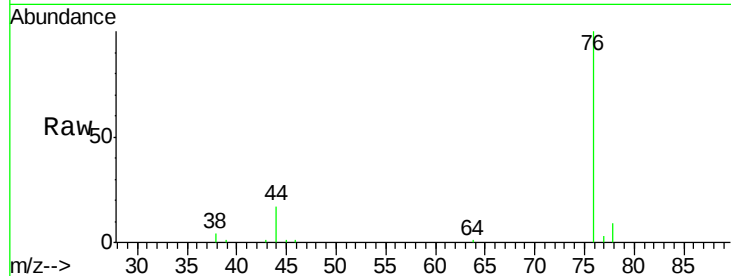




#17
Carbon Disulfide
Concen: 32.781 ug/l
RT: 4.01 min Scan# 752
Delta R.T. -0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

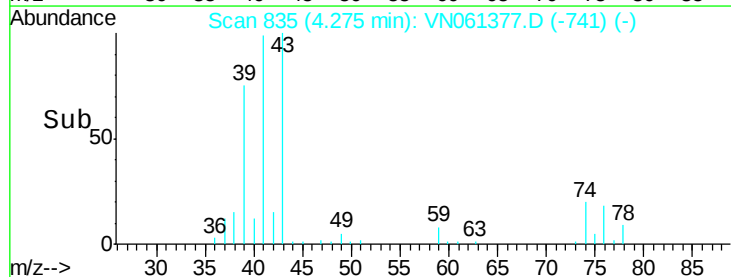
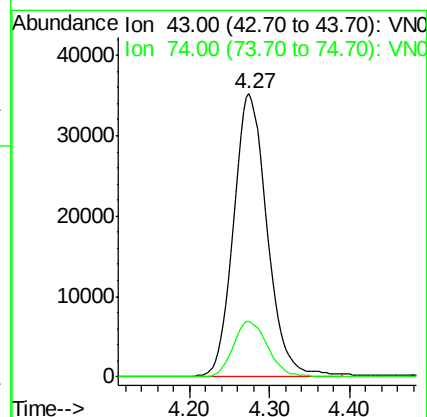
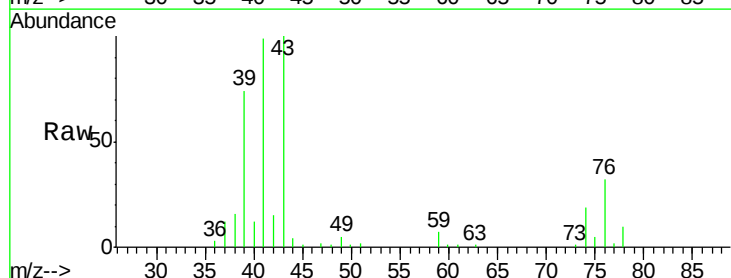
Instrument :
MSVOA_N
ClientSampled :

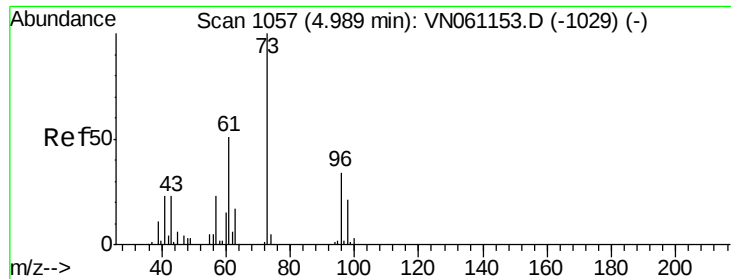
Tot Ion: 76 Resp: 97454
Ion Ratio Lower Upper
76 100
78 8.6 7.2 10.8



#18
Methyl Acetate
Concen: 49.352 ug/l
RT: 4.27 min Scan# 835
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion: 43 Resp: 100530
Ion Ratio Lower Upper
43 100
74 20.1 17.0 25.4

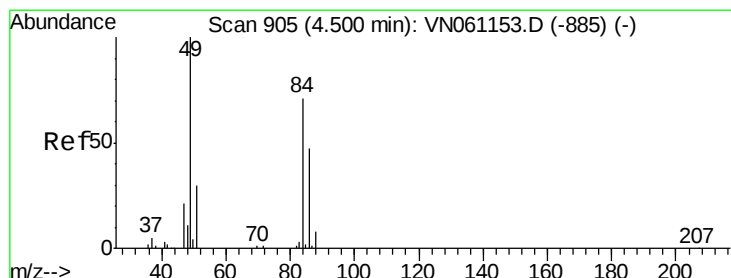
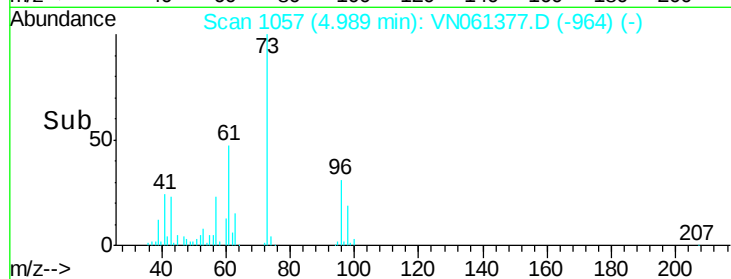
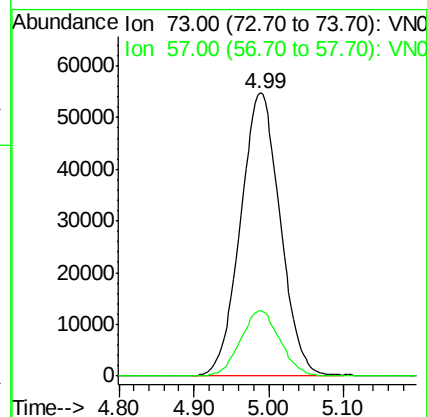
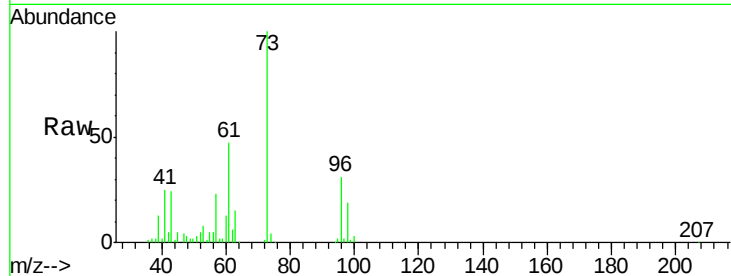




#19
Methvl tert-butvl Ether
Concen: 49.181 ug/l
RT: 4.99 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

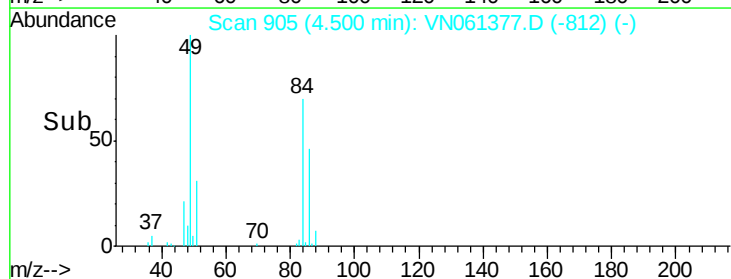
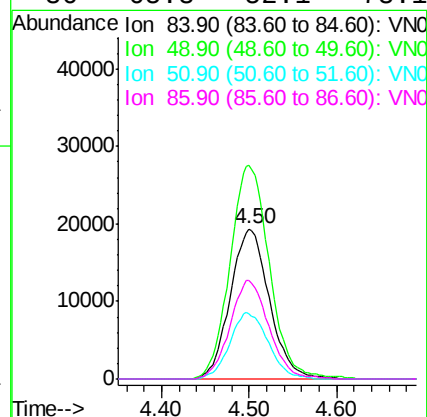
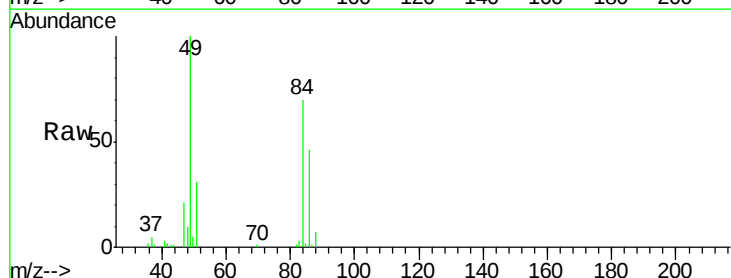
Instrument :
MSVOA_N
ClientSampleId :

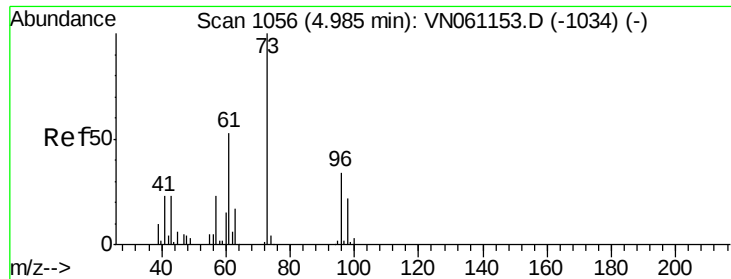
Tot Ion: 73 Resp: 202250
Ion Ratio Lower Upper
73 100
57 23.1 18.3 27.5



#20
Methylene Chloride
Concen: 47.678 ug/l
RT: 4.50 min Scan# 905
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion: 84 Resp: 60004
Ion Ratio Lower Upper
84 100
49 142.4 112.0 168.0
51 43.7 33.6 50.4
86 65.8 52.1 78.1



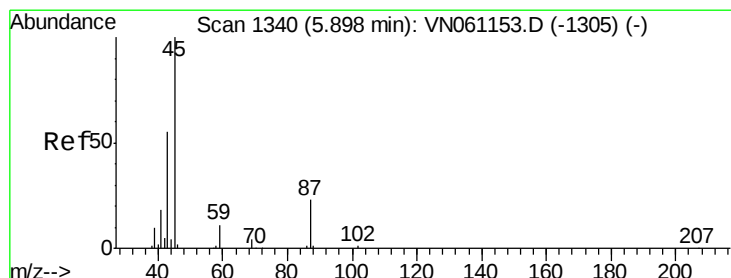
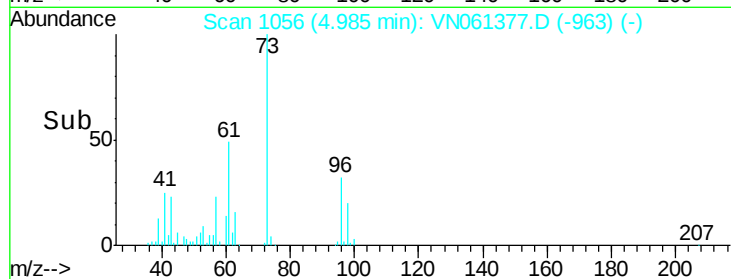
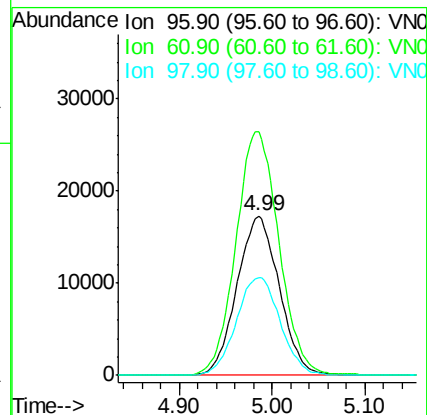
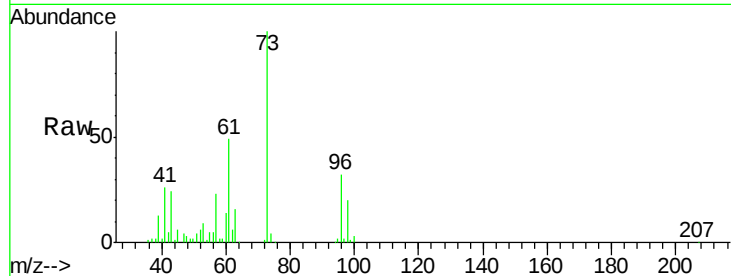


#21

trans-1,2-Dichloroethene
Concen: 46.804 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Instrument :
MSVOA_N
ClientSampleId :

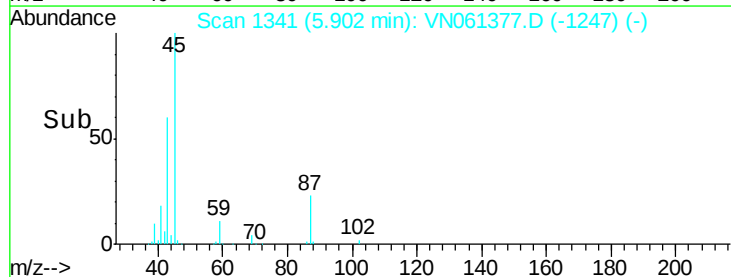
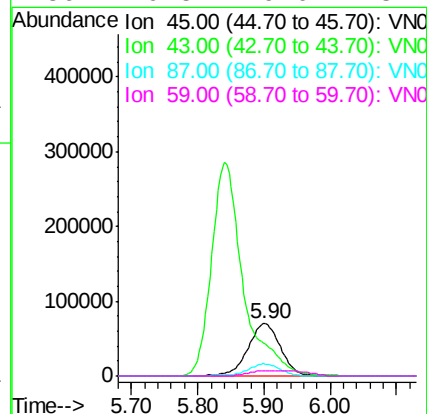
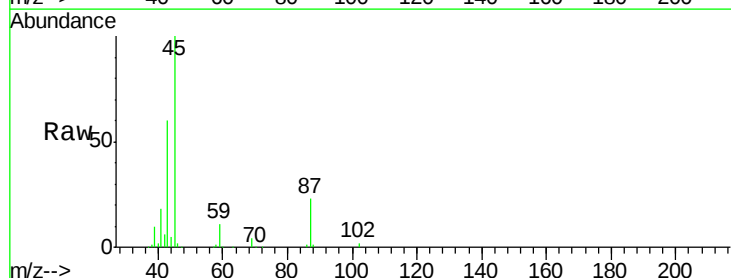
Tot Ion: 96 Resp: 54850
Ion Ratio Lower Upper
96 100
61 152.5 123.0 184.4
98 61.4 50.1 75.1



#22

Diisopropyl ether
Concen: 51.658 ug/l
RT: 5.90 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion: 45 Resp: 239044
Ion Ratio Lower Upper
45 100
43 59.1 47.9 71.9
87 23.2 19.2 28.8
59 10.5 9.0 13.4





#23

Vinyl Acetate

Concen: 256.222 ug/l

RT: 5.84 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

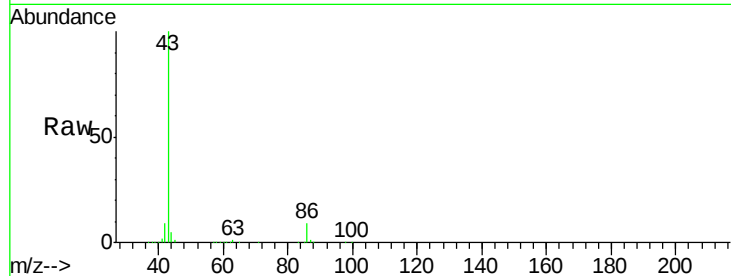
ClientSampleId :

Tot Ion: 43 Resp: 954654

Ion Ratio Lower Upper

43 100

86 8.9 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-1297) (-)

Ion 86.00 (85.70 to 86.70): VN061153.D (-1297) (-)

5.84

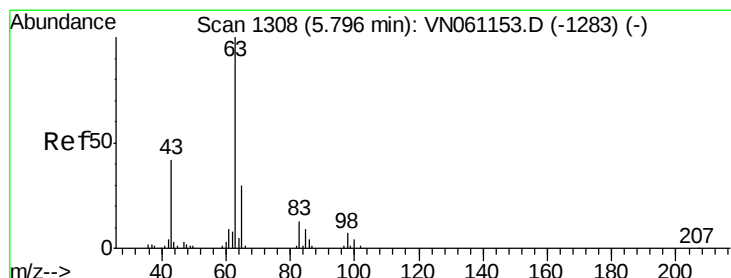
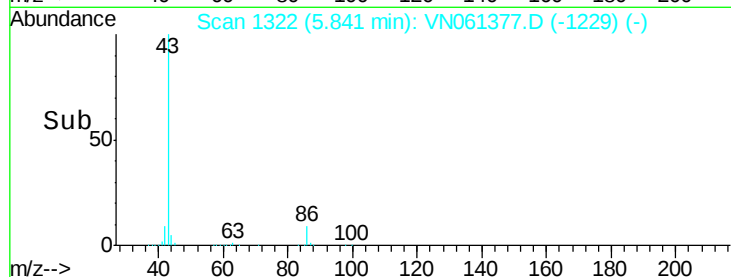
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.769 ug/l

RT: 5.80 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

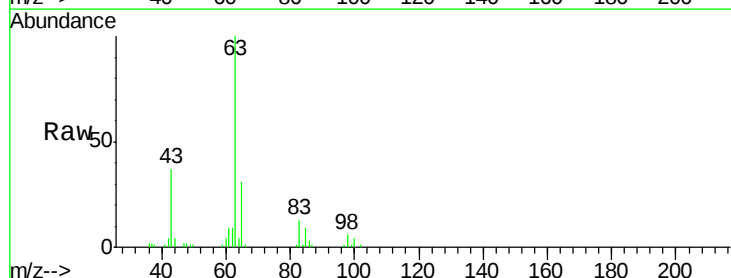
Tgt Ion: 63 Resp: 120328

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.9

100 4.2 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN061153.D (-1283) (-)

Ion 97.90 (97.60 to 98.60): VN061153.D (-1283) (-)

Ion 99.90 (99.60 to 100.60): VN061153.D (-1283) (-)

5.80

50000

40000

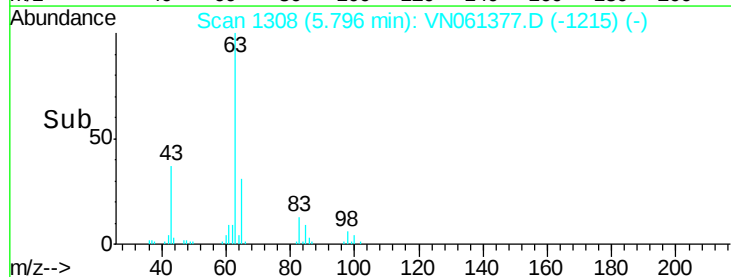
30000

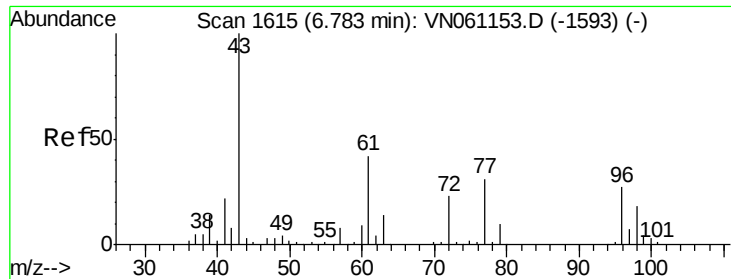
20000

10000

0

Time-->





#25

2-Butanone

Concen: 267.246 ug/l

RT: 6.79 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

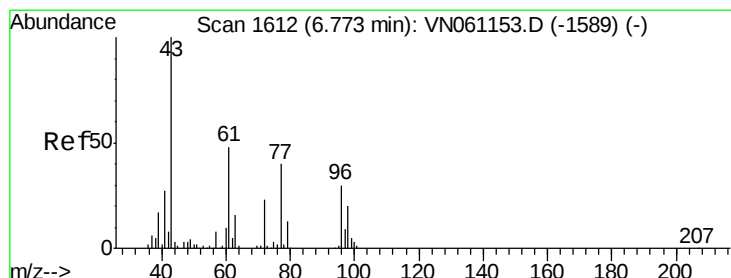
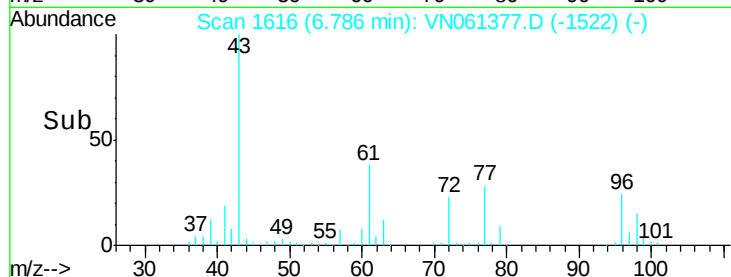
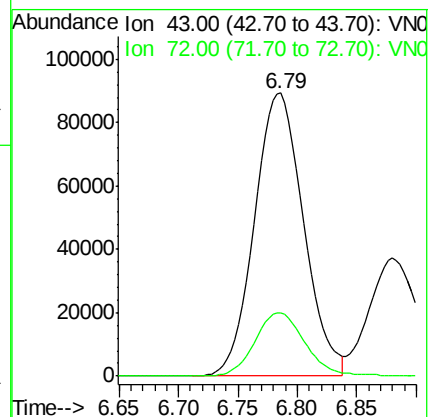
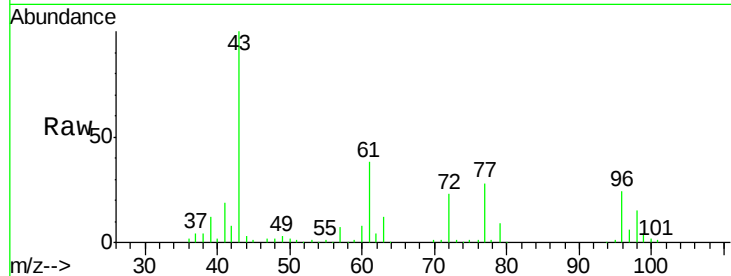
ClientSampleId :

Tot Ion: 43 Resp: 255235

Ion Ratio Lower Upper

43 100

72 22.5 18.2 27.4



#26

2,2-Dichloropropane

Concen: 45.661 ug/l

RT: 6.77 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VN061377.D

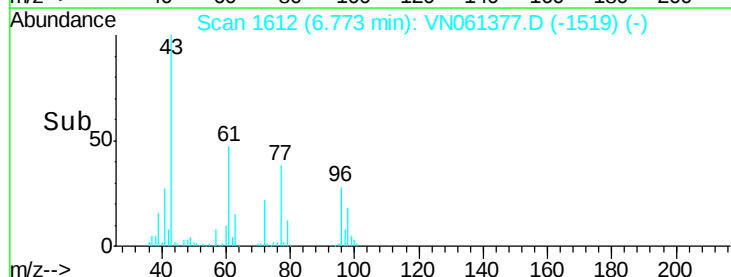
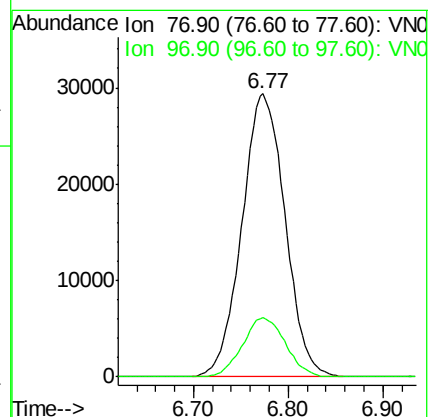
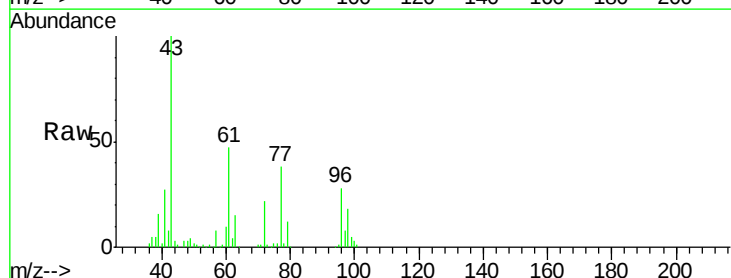
Acq: 8 May 2020 21:11

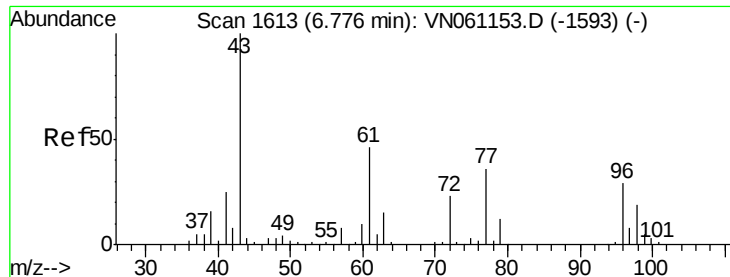
Tgt Ion: 77 Resp: 92985

Ion Ratio Lower Upper

77 100

97 20.7 10.5 31.5

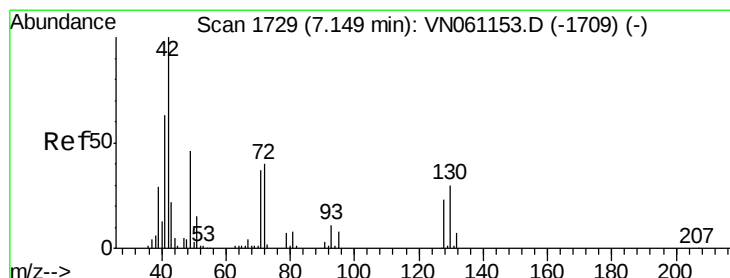
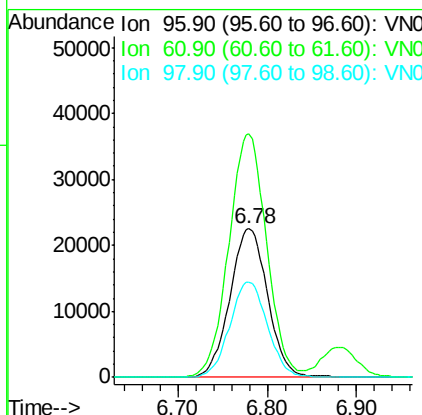
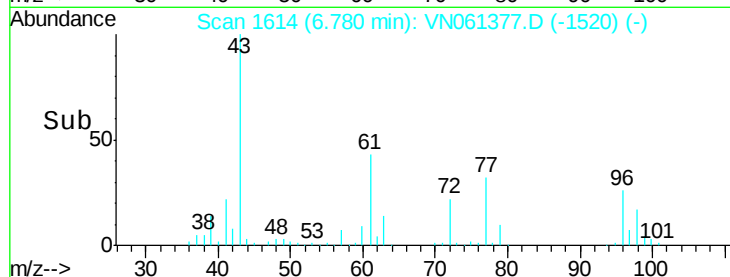
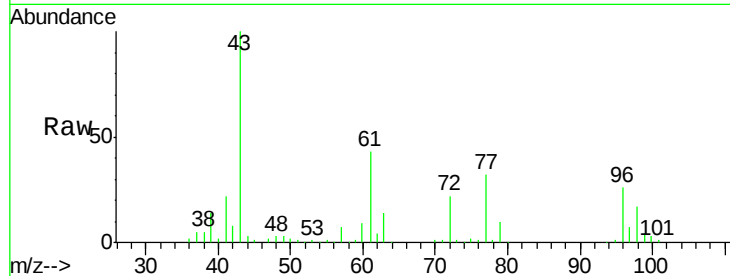




#27
 cis-1,2-Dichloroethene
 Concen: 48.184 ug/l
 RT: 6.78 min Scan# 1614
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

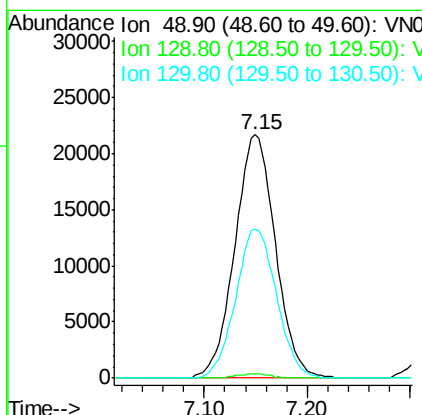
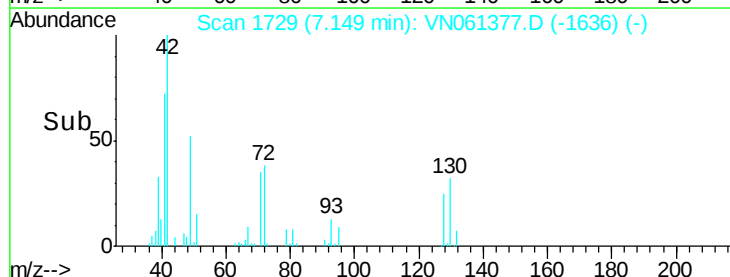
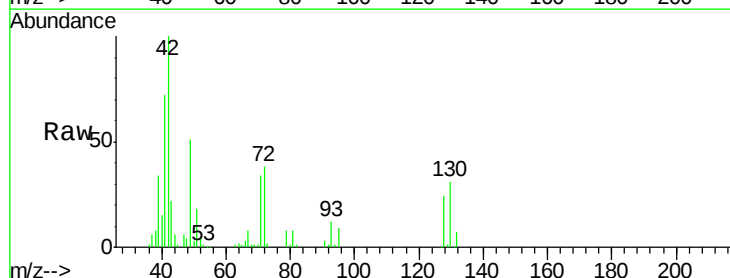
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 96 Resp: 66265
 Ion Ratio Lower Upper
 96 100
 61 163.3 0.0 322.0
 98 63.9 0.0 129.6



#28
 Bromochloromethane
 Concen: 51.842 ug/l
 RT: 7.15 min Scan# 1729
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Tgt Ion: 49 Resp: 59408
 Ion Ratio Lower Upper
 49 100
 129 1.3 0.0 3.0
 130 61.7 51.4 77.2

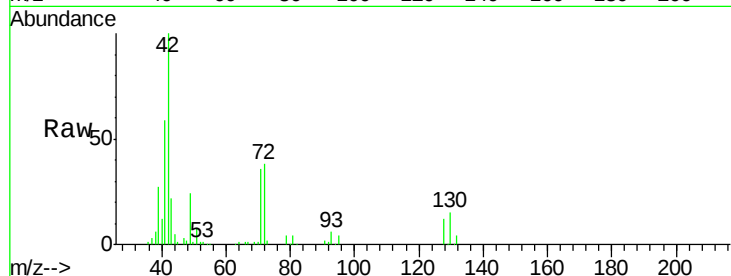




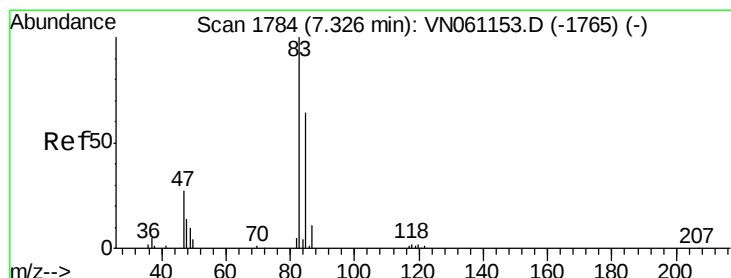
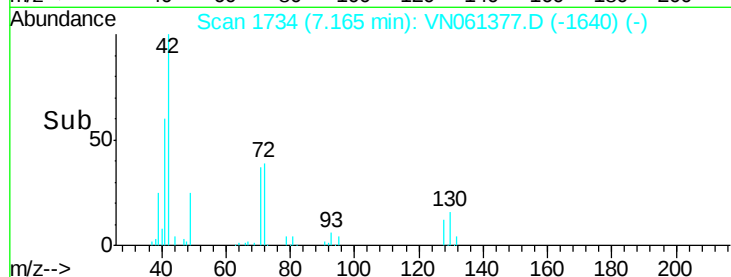
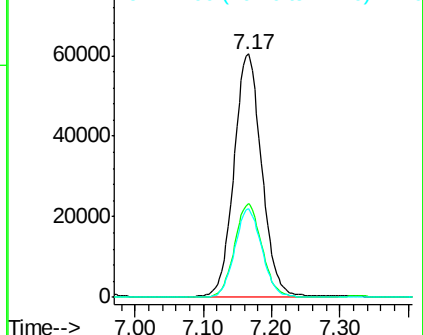
#29
Tetrahydrofuran
Concen: 267.220 ug/l
RT: 7.17 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 171915
Ion Ratio Lower Upper
42 100
72 37.7 31.4 47.0
71 35.3 29.5 44.3

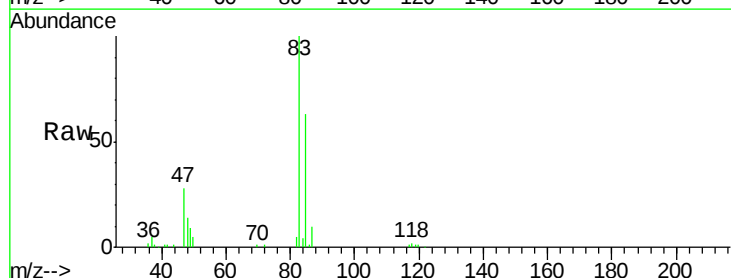


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

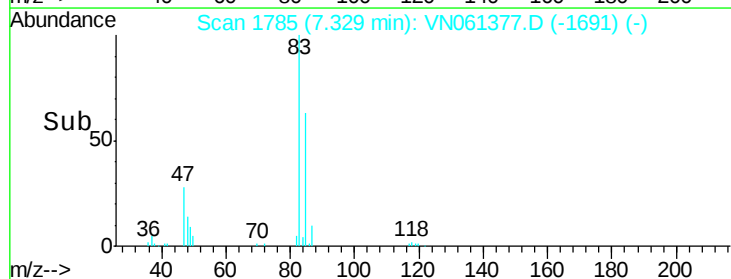
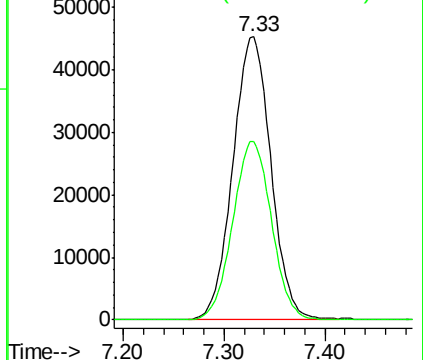


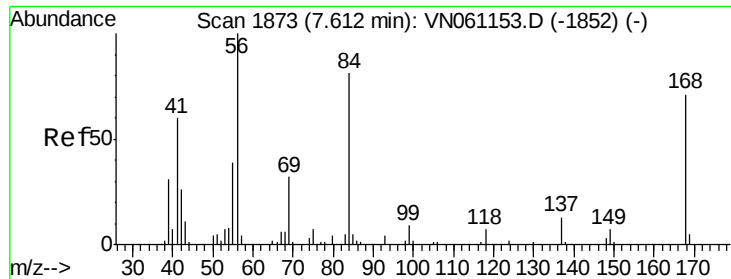
#30
Chloroform
Concen: 48.406 ug/l
RT: 7.33 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion: 83 Resp: 118600
Ion Ratio Lower Upper
83 100
85 63.2 51.1 76.7



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

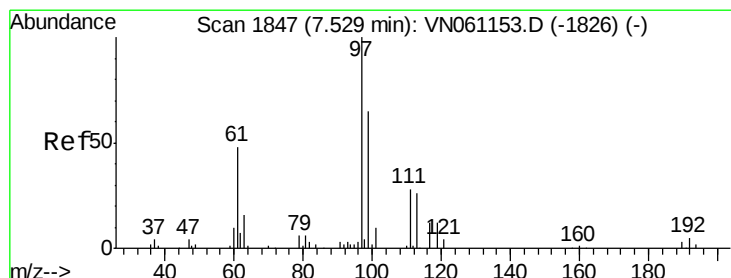
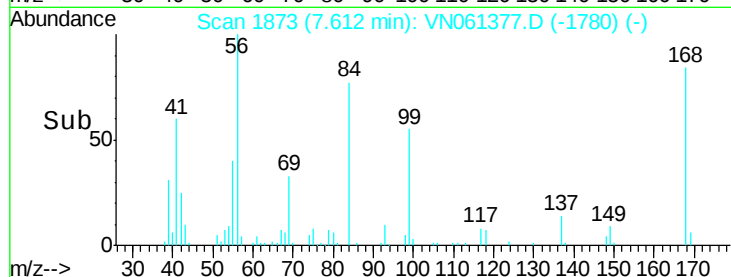
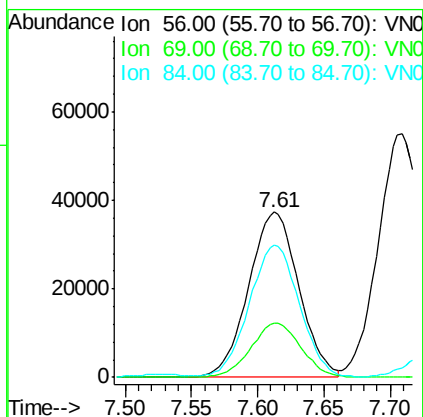
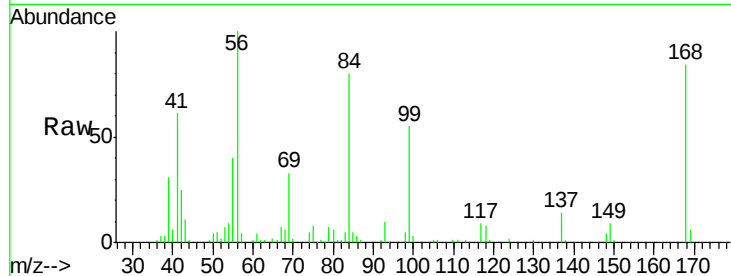




#31
Cyclohexane
Concen: 41.890 ug/l
RT: 7.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

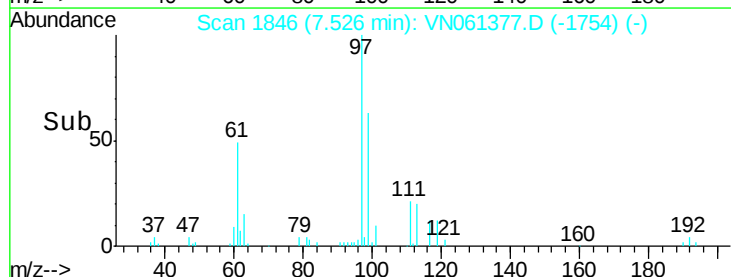
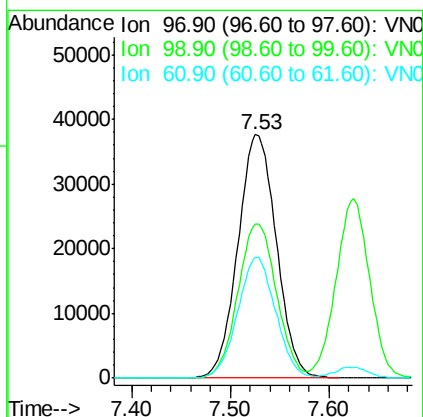
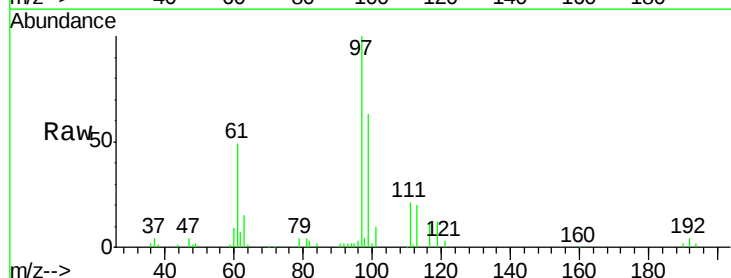
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 98357
Ion Ratio Lower Upper
56 100
69 33.1 25.7 38.5
84 79.3 64.6 97.0



#32
1,1,1-Trichloroethane
Concen: 47.733 ug/l
RT: 7.53 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion: 97 Resp: 101839
Ion Ratio Lower Upper
97 100
99 63.5 51.3 76.9
61 48.9 38.6 57.8

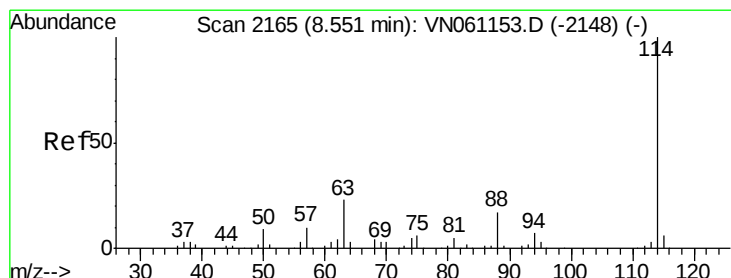
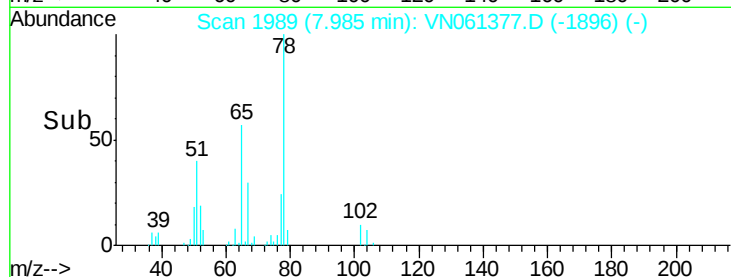
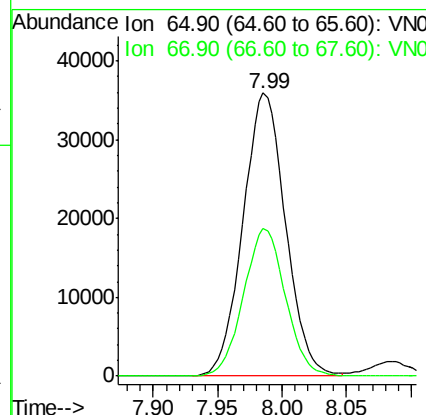
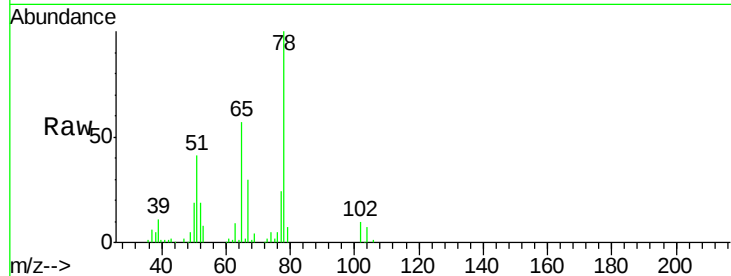




#33
 1,2-Dichloroethane-d4
 Concen: 51.219 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

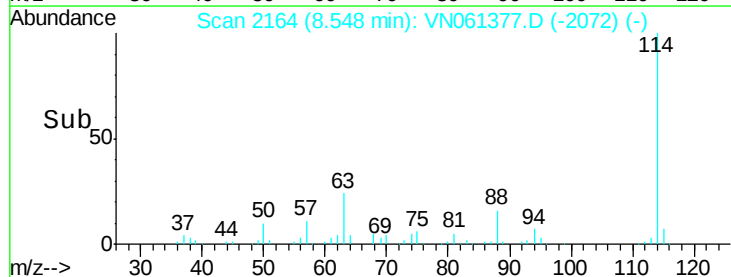
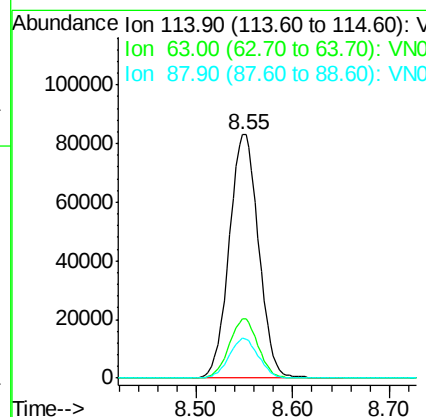
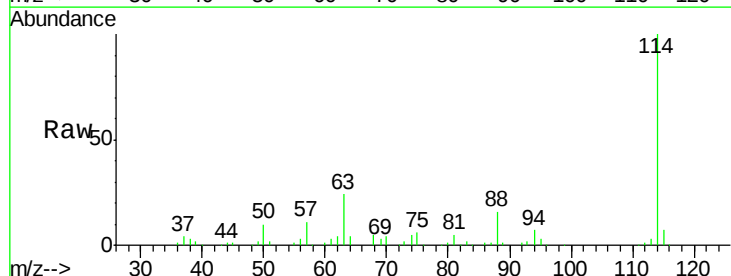
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 65 Resp: 82667
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Tgt Ion: 114 Resp: 175507
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 46.6
 88 16.3 0.0 33.4

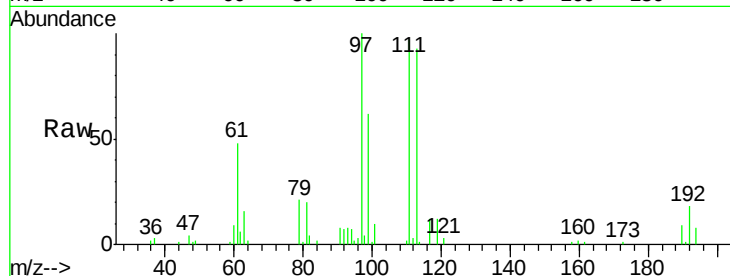




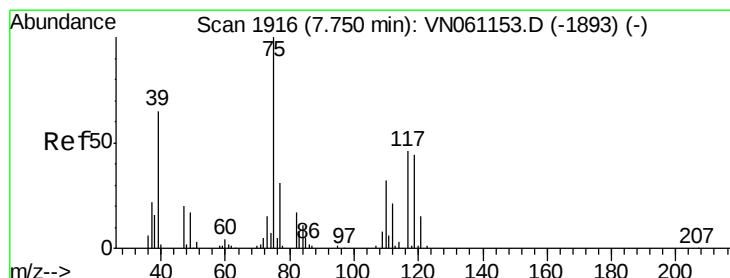
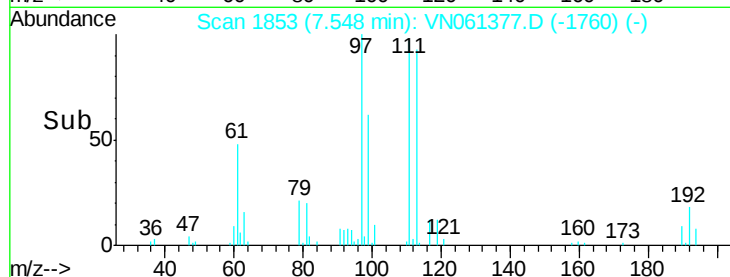
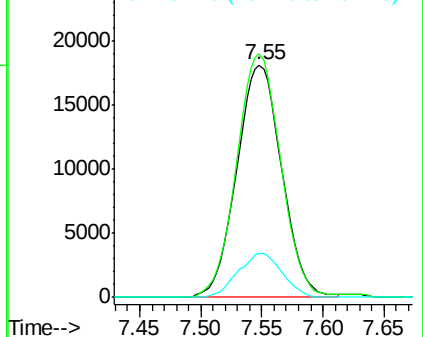
#35
 Dibromofluoromethane
 Concen: 44.519 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 46202
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.9 124.3
 192 18.5 14.7 22.1

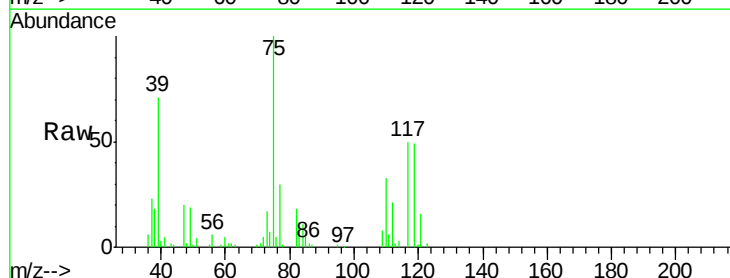


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

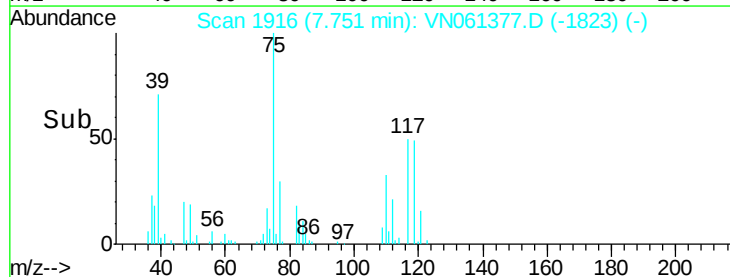
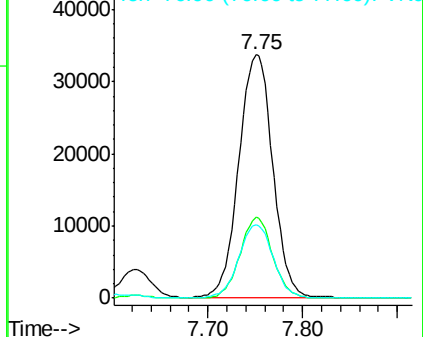


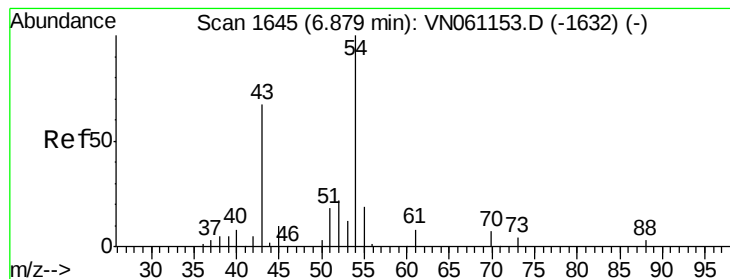
#36
 1,1-Dichloropropene
 Concen: 48.083 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Tgt Ion: 75 Resp: 84477
 Ion Ratio Lower Upper
 75 100
 110 31.6 16.0 48.0
 77 30.4 24.6 37.0



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: 51.657 ug/l

RT: 6.88 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :
MSVOA_N
ClientSampled :

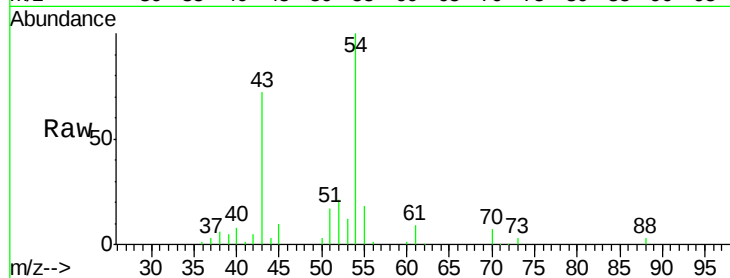
Tot Ion: 43 Resp: 106397

Ion Ratio Lower Upper

43 100

61 12.3 10.2 15.2

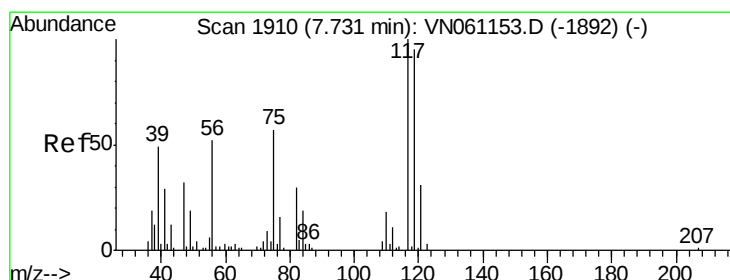
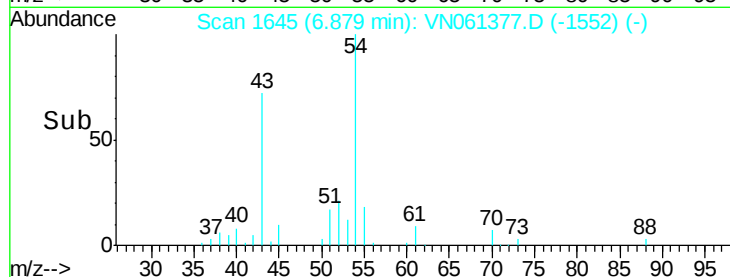
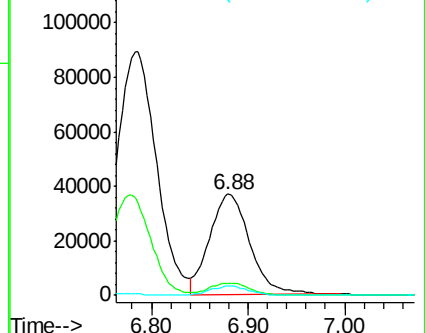
70 8.8 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-1632) (-)

Ion 60.90 (60.60 to 61.60): VN061153.D (-1632) (-)

Ion 70.00 (69.70 to 70.70): VN061153.D (-1632) (-)



#38

Carbon Tetrachloride

Concen: 48.710 ug/l

RT: 7.73 min Scan# 1910

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

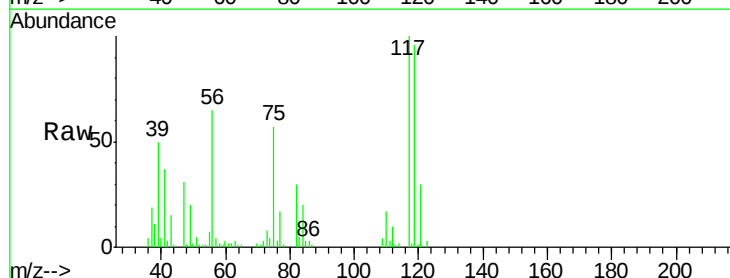
Tgt Ion: 117 Resp: 77981

Ion Ratio Lower Upper

117 100

119 95.6 75.8 113.6

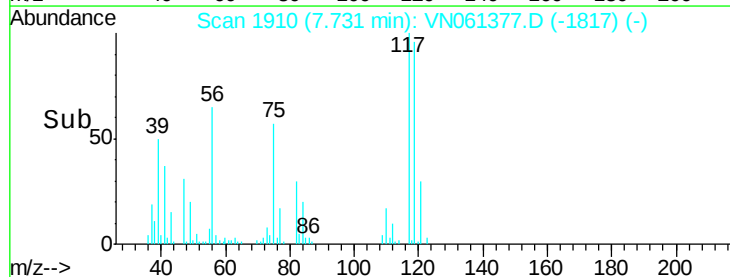
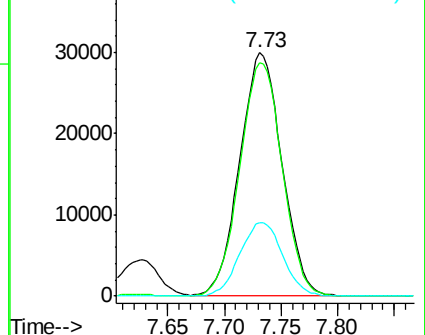
121 30.3 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): VN061153.D (-1892) (-)

Ion 118.80 (118.50 to 119.50): VN061153.D (-1892) (-)

Ion 120.80 (120.50 to 121.50): VN061153.D (-1892) (-)

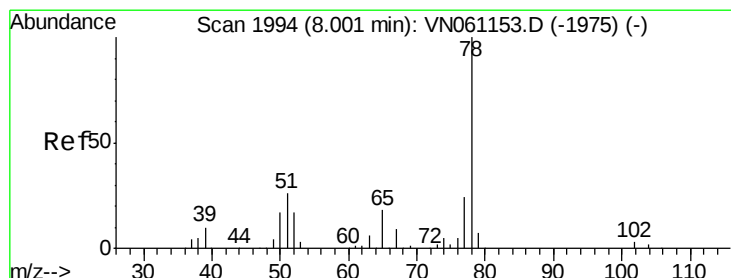
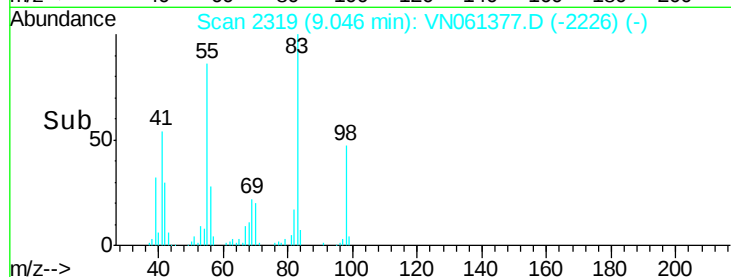
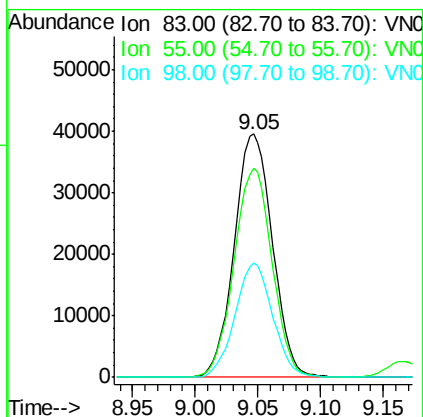
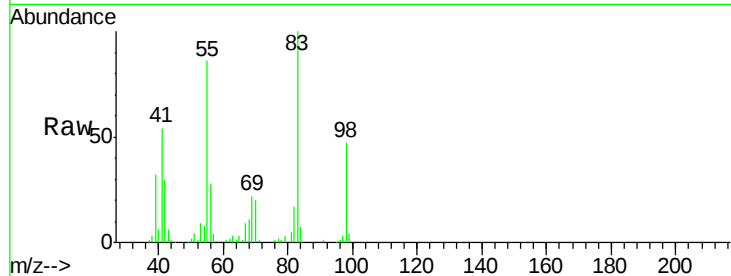




#39
Methvlcvclohexane
Concen: 42.559 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

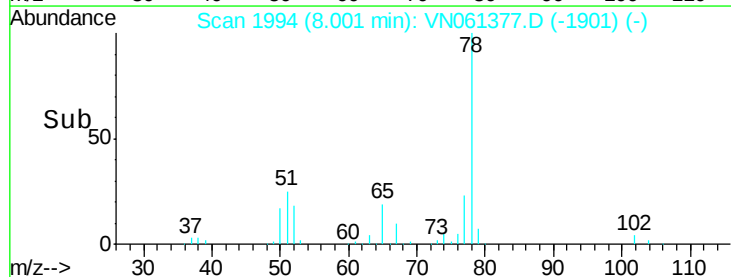
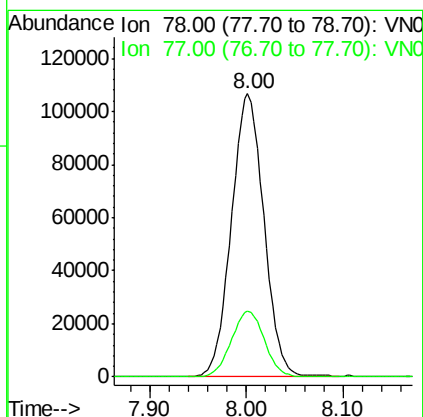
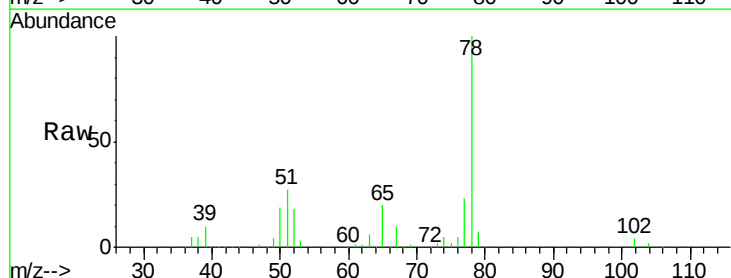
Instrument :
MSVOA_N
ClientSampleId :

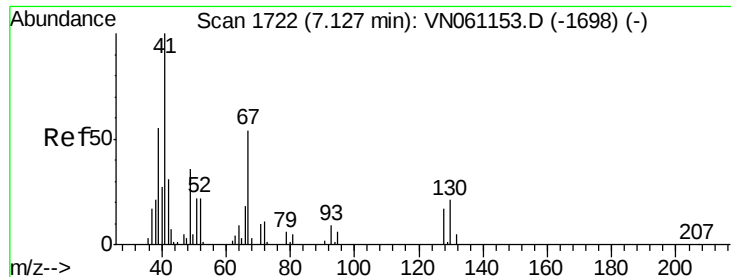
Tot Ion: 83 Resp: 83855
Ion Ratio Lower Upper
83 100
55 86.1 67.3 100.9
98 47.1 37.7 56.5



#40
Benzene
Concen: 47.715 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion: 78 Resp: 249752
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.6

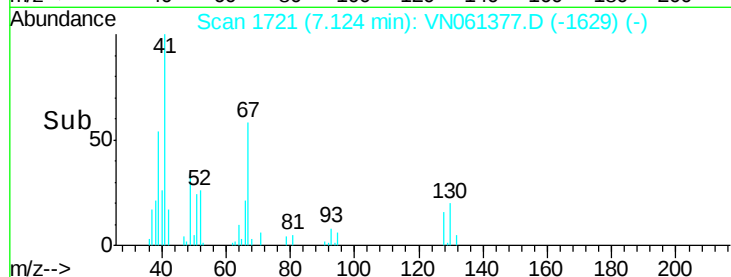
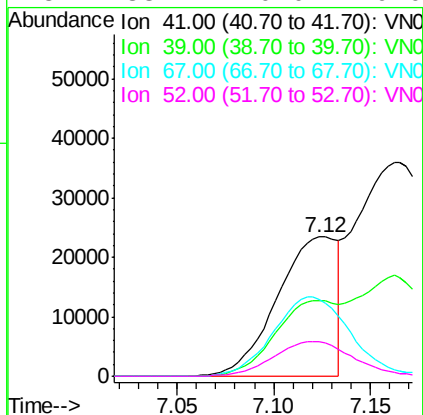
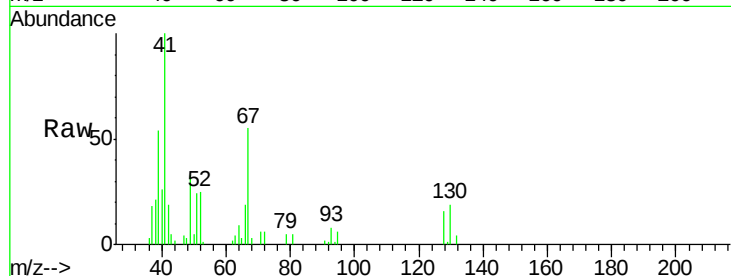




#41
Methacrylonitrile
Concen: 59.474 ug/l
RT: 7.12 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

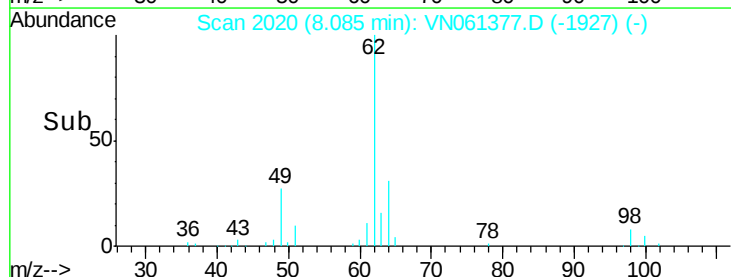
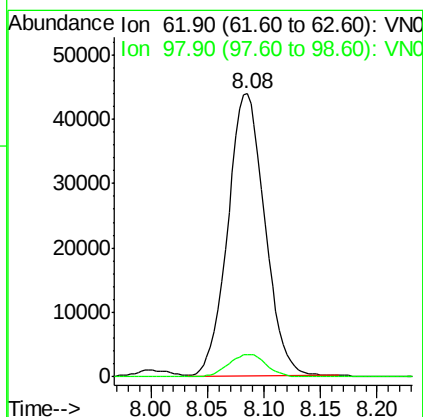
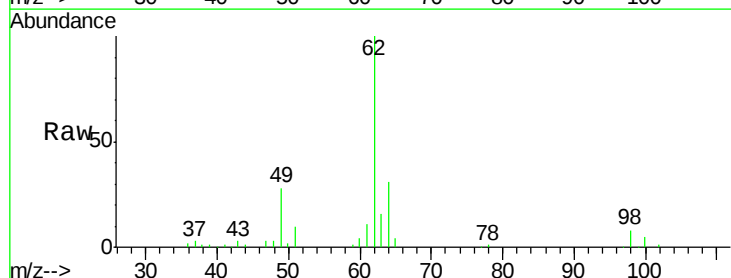
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 50861
Ion Ratio Lower Upper
41 100
39 55.0 0.0 0.0#
67 73.1 0.0 0.0#
52 33.1 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 50.456 ug/l
RT: 8.08 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion: 62 Resp: 100051
Ion Ratio Lower Upper
62 100
98 8.1 0.0 16.8





#43

Isopropyl Acetate

Concen: 50.993 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

ClientSampleId :

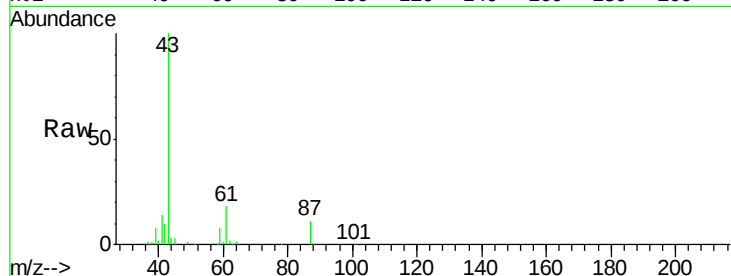
Tot Ion: 43 Resp: 174307

Ion Ratio Lower Upper

43 100

61 24.0 19.5 29.3

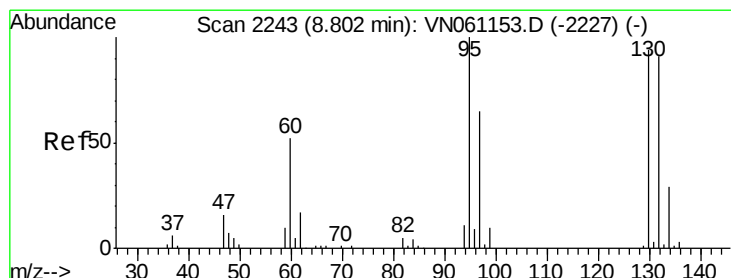
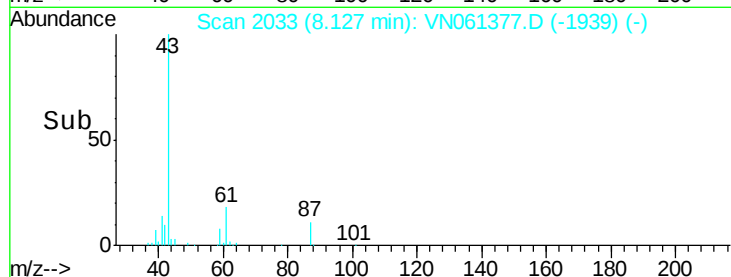
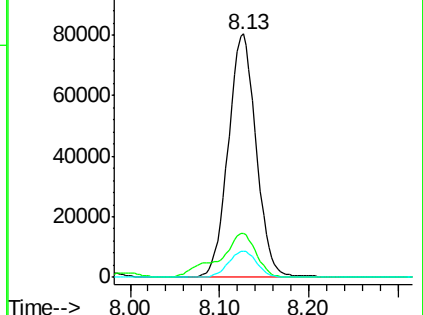
87 10.9 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2014) (-)

Ion 61.00 (60.70 to 61.70): VN061153.D (-2014) (-)

Ion 87.00 (86.70 to 87.70): VN061153.D (-2014) (-)



#44

Trichloroethene

Concen: 43.566 ug/l

RT: 8.80 min Scan# 2243

Delta R.T. 0.00 min

Lab File: VN061377.D

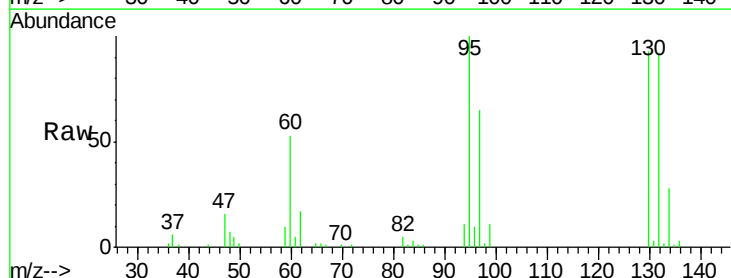
Acq: 8 May 2020 21:11

Tgt Ion:130 Resp: 61645

Ion Ratio Lower Upper

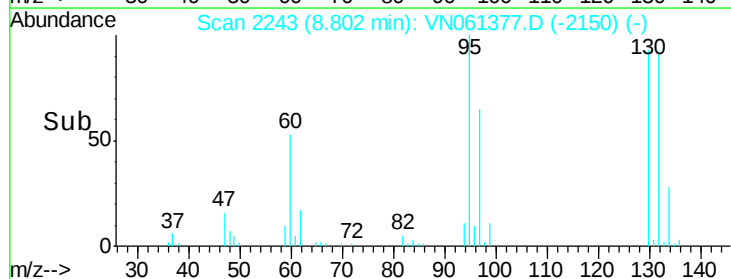
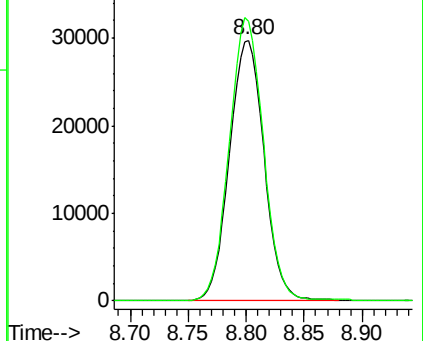
130 100

95 107.3 0.0 212.4



Abundance Ion 129.80 (129.50 to 130.50): VN061153.D (-2227) (-)

Ion 94.90 (94.60 to 95.60): VN061153.D (-2227) (-)





#45

1,2-Dichloropropane

Concen: 50.742 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

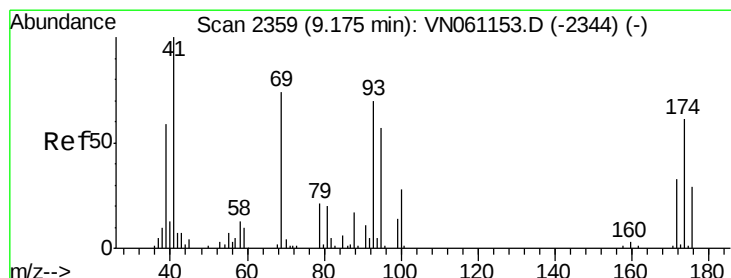
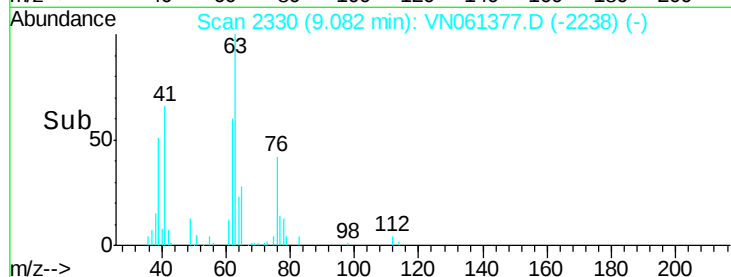
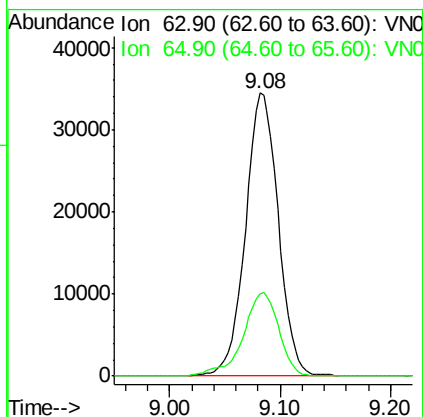
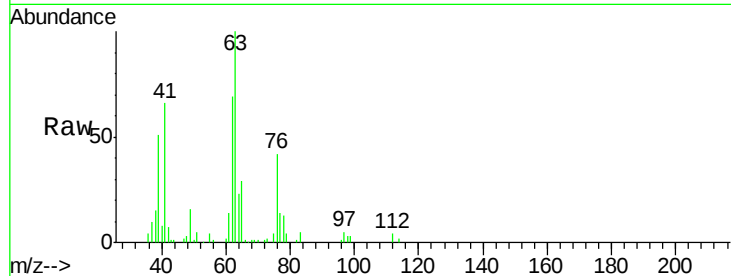
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 70957

Ion Ratio Lower Upper

63 100

65 29.2 24.7 37.1



#46

Dibromomethane

Concen: 50.573 ug/l

RT: 9.17 min Scan# 2359

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

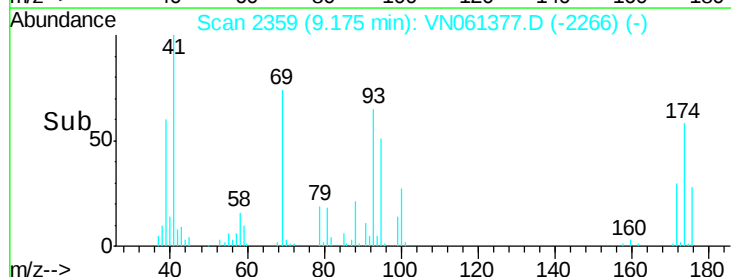
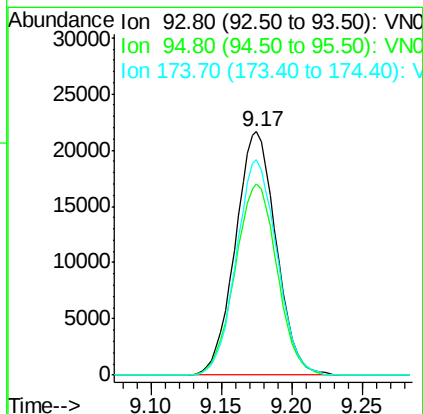
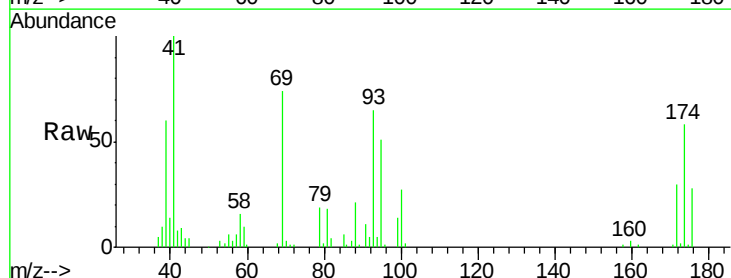
Tgt Ion: 93 Resp: 43788

Ion Ratio Lower Upper

93 100

95 80.6 66.6 99.8

174 88.2 70.2 105.2





#47

Bromodichloromethane

Concen: 51.109 ug/l

RT: 9.37 min Scan# 2420

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :
MSVOA_N
ClientSampled :

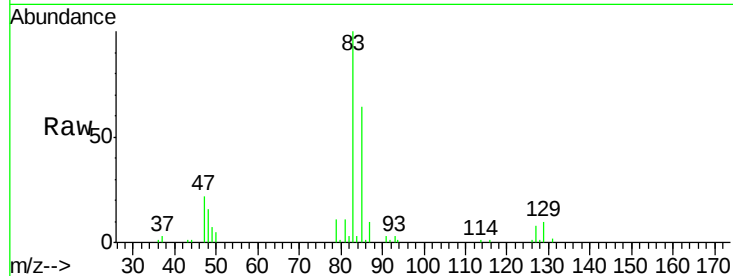
Tot Ion: 83 Resp: 94982

Ion Ratio Lower Upper

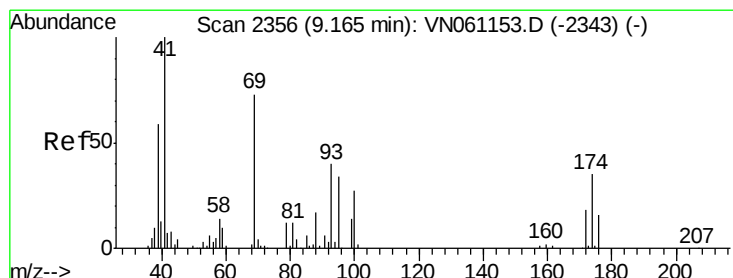
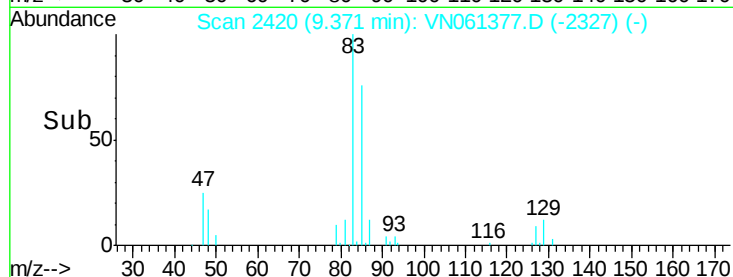
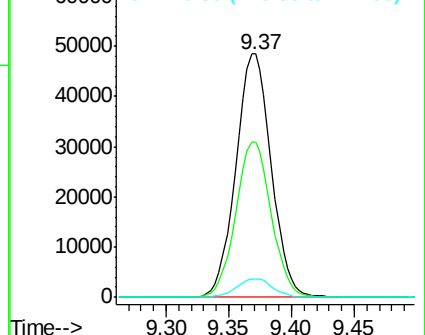
83 100

85 63.9 50.4 75.6

127 7.8 6.2 9.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 53.693 ug/l

RT: 9.17 min Scan# 2356

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

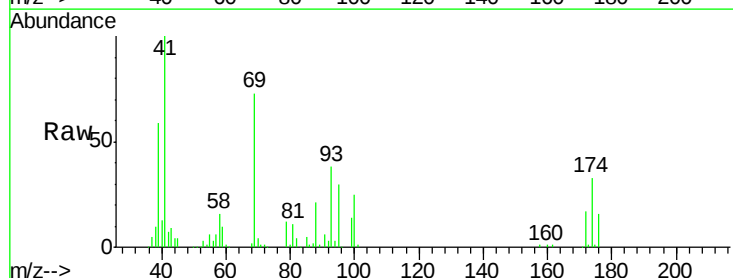
Tgt Ion: 41 Resp: 82822

Ion Ratio Lower Upper

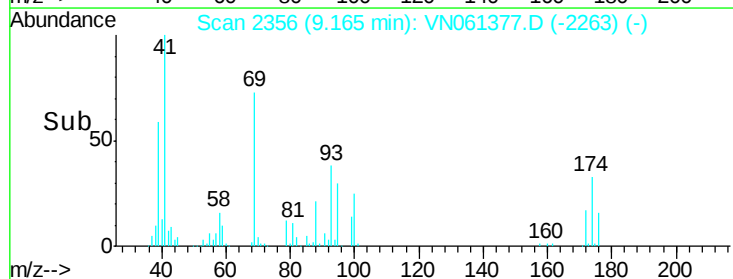
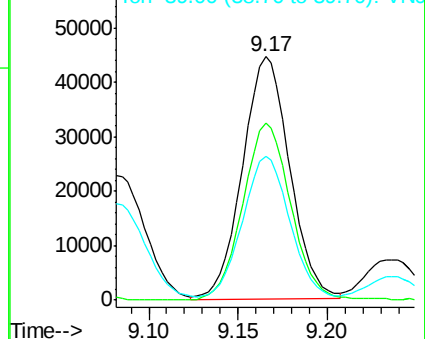
41 100

69 74.0 60.3 90.5

39 60.4 47.4 71.0



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

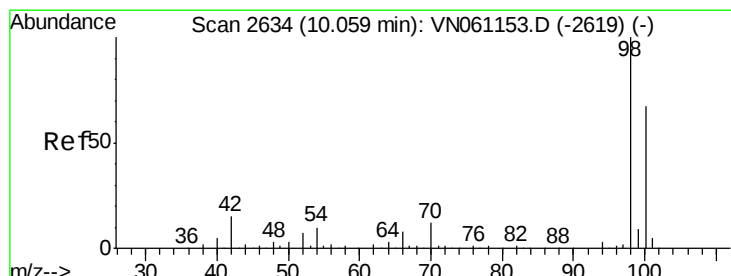
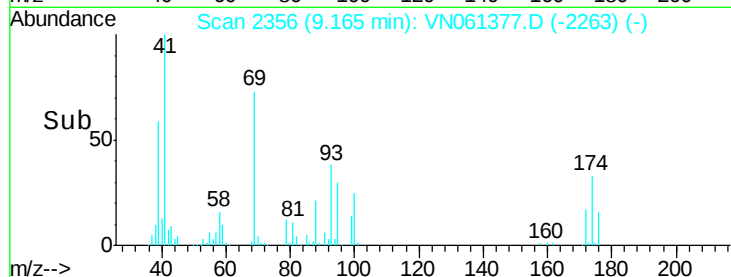
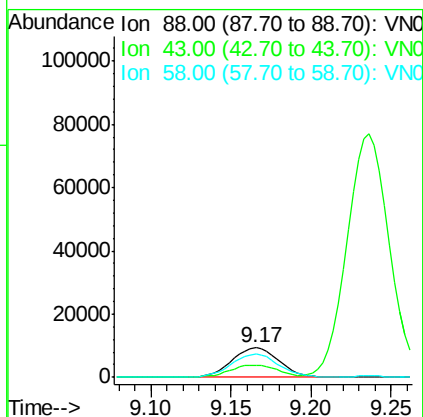
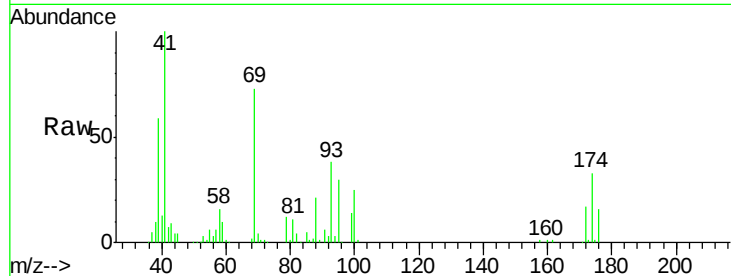




#49
 1,4-Dioxane
 Concen: 1083.253 ug/l
 RT: 9.17 min Scan# 2356
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

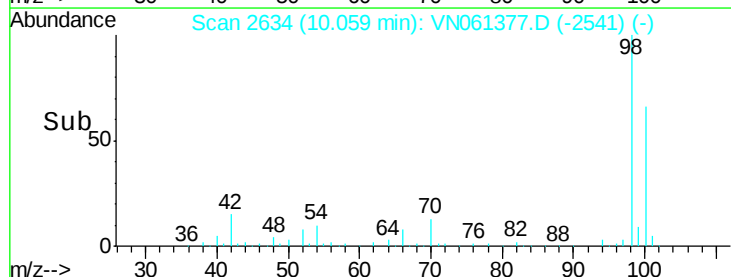
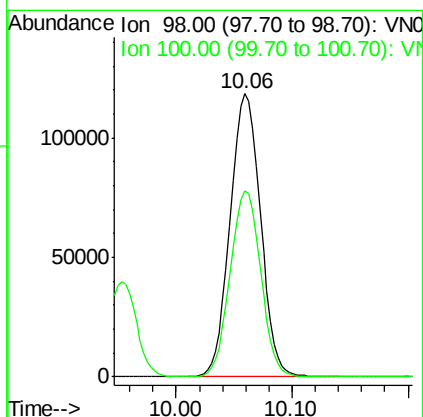
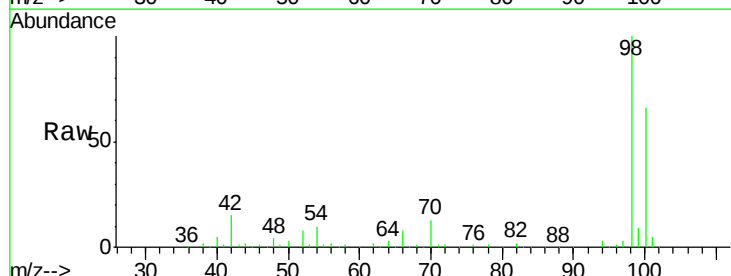
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 18967
 Ion Ratio Lower Upper
 88 100
 43 43.7 35.3 52.9
 58 78.7 61.5 92.3



#50
 Toluene-d8
 Concen: 50.877 ug/l
 RT: 10.06 min Scan# 2634
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Tgt Ion: 98 Resp: 215242
 Ion Ratio Lower Upper
 98 100
 100 65.5 53.4 80.0

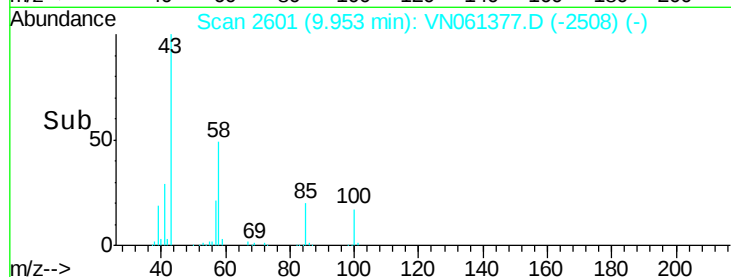
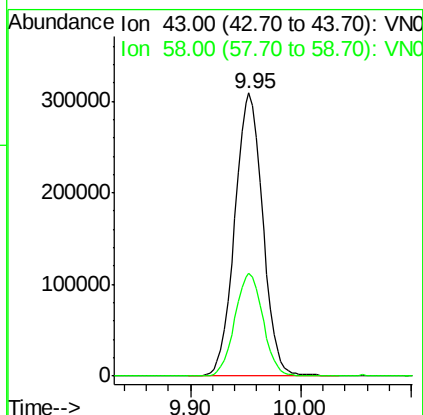
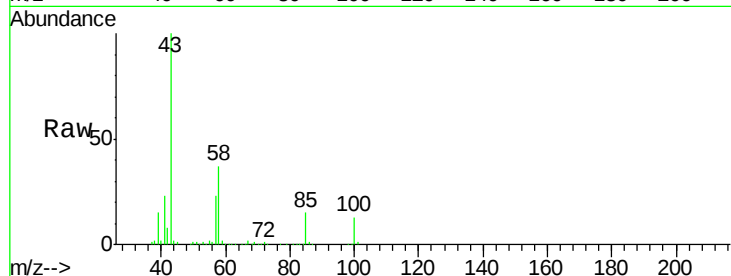




#51
 4-Methyl-2-Pentanone
 Concen: 270.679 ug/l
 RT: 9.95 min Scan# 2601
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

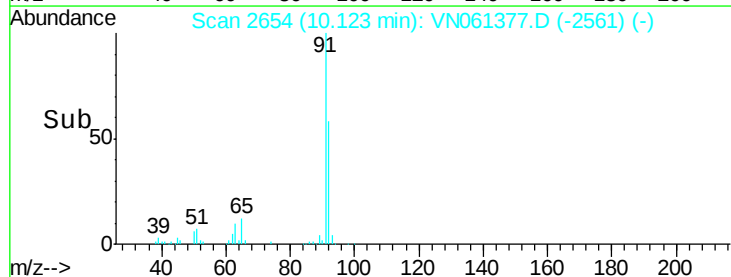
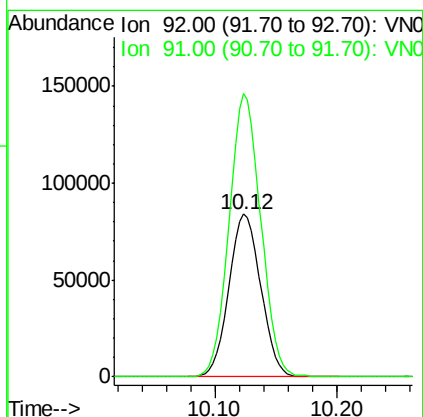
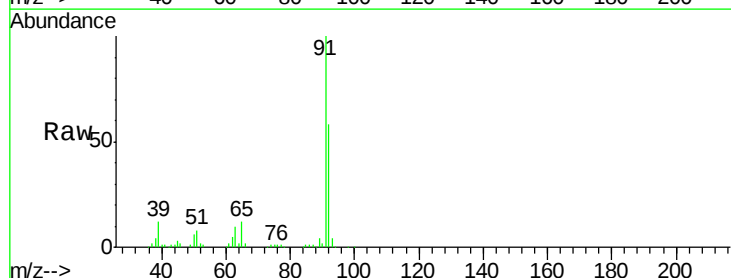
Instrument :
 MSVOA_N
 ClientSampled :

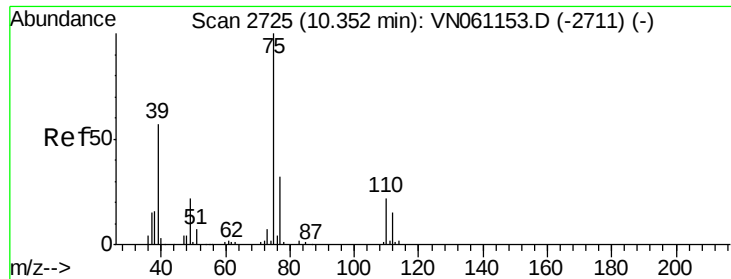
Tot Ion: 43 Resp: 544619
 Ion Ratio Lower Upper
 43 100
 58 36.4 29.1 43.7



#52
 Toluene
 Concen: 48.583 ug/l
 RT: 10.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Tgt Ion: 92 Resp: 153171
 Ion Ratio Lower Upper
 92 100
 91 172.5 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 49.310 ug/l

RT: 10.35 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

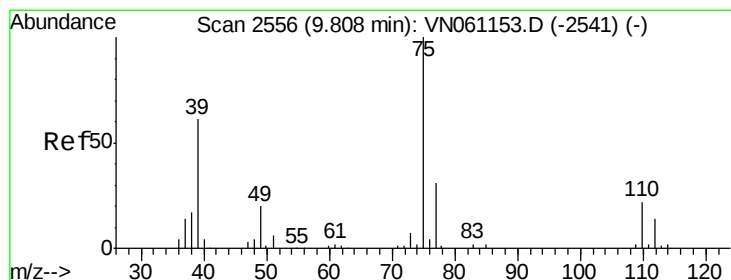
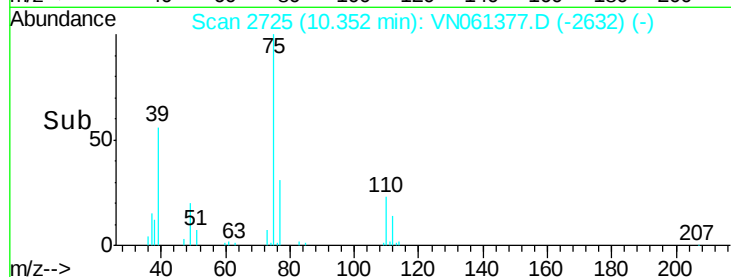
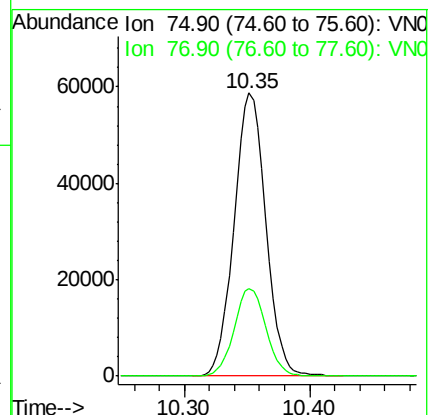
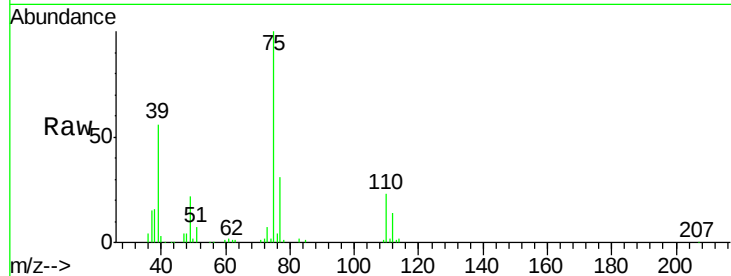
ClientSampleId :

Tot Ion: 75 Resp: 103258

Ion Ratio Lower Upper

75 100

77 31.1 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 48.798 ug/l

RT: 9.81 min Scan# 2556

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

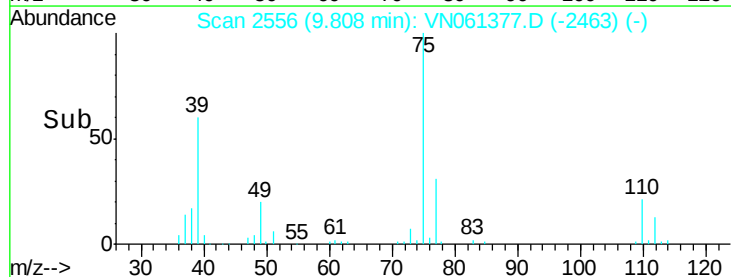
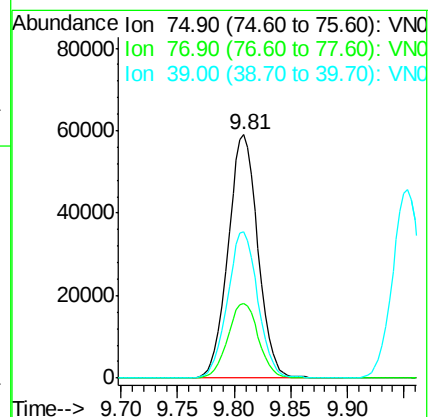
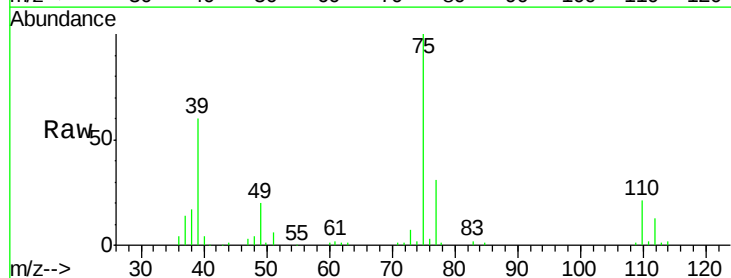
Tgt Ion: 75 Resp: 108031

Ion Ratio Lower Upper

75 100

77 30.8 25.0 37.4

39 60.2 48.7 73.1

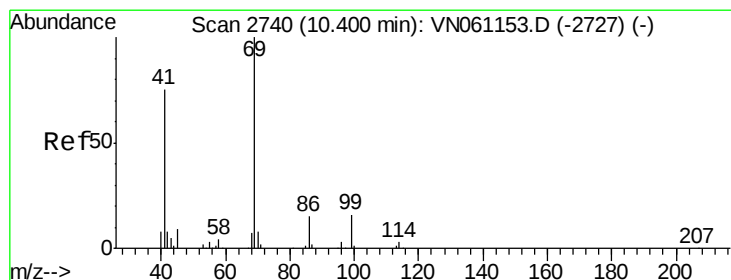
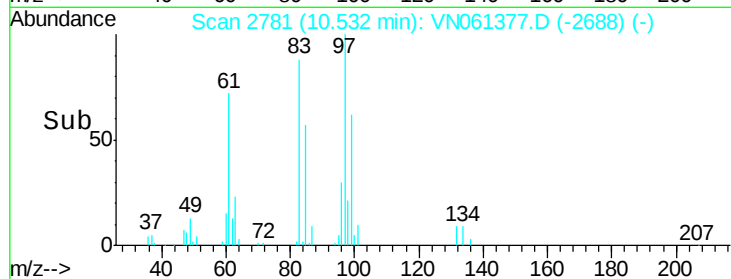
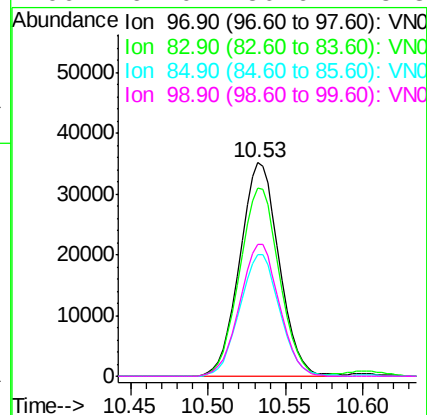
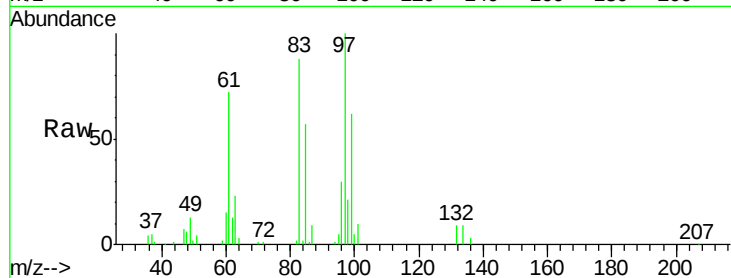




#55
 1,1,2-Trichloroethane
 Concen: 49.509 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

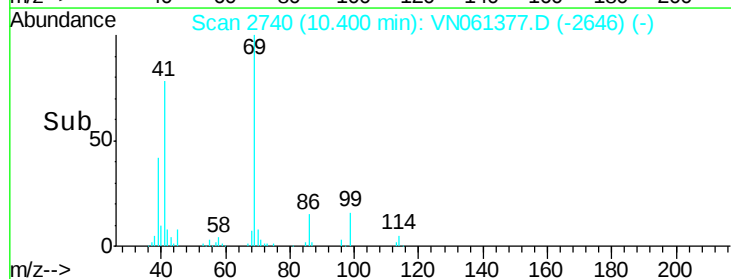
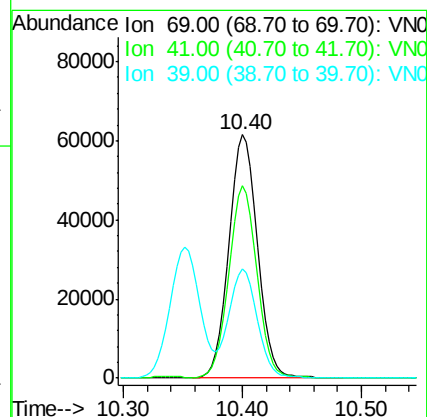
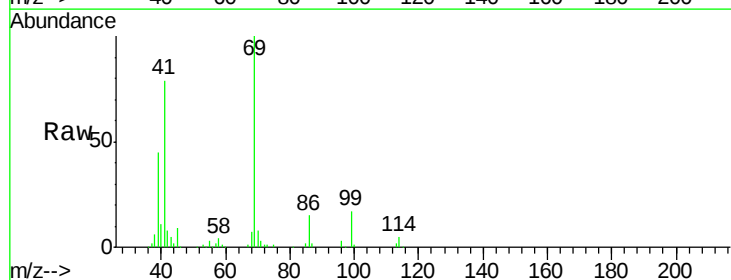
Instrument :
 MSVOA_N
 ClientSampled :

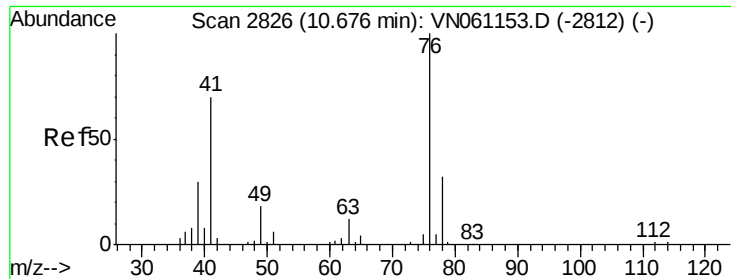
Tot Ion: 97 Resp: 62260
 Ion Ratio Lower Upper
 97 100
 83 88.1 70.6 106.0
 85 57.2 46.4 69.6
 99 62.0 50.6 75.8



#56
 Ethyl methacrylate
 Concen: 47.021 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Tgt Ion: 69 Resp: 102664
 Ion Ratio Lower Upper
 69 100
 41 77.1 60.3 90.5
 39 44.1 35.9 53.9

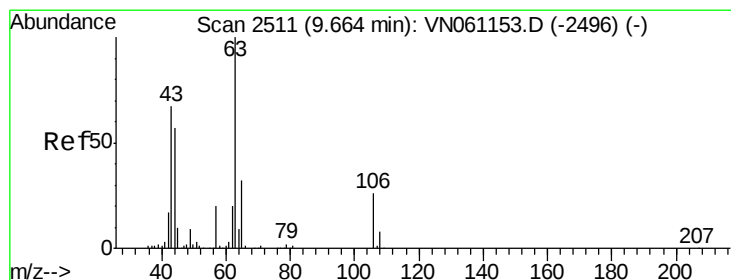
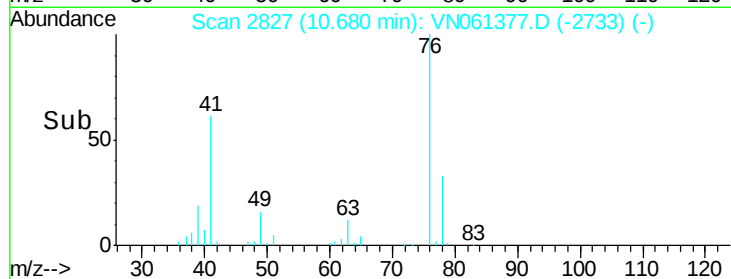
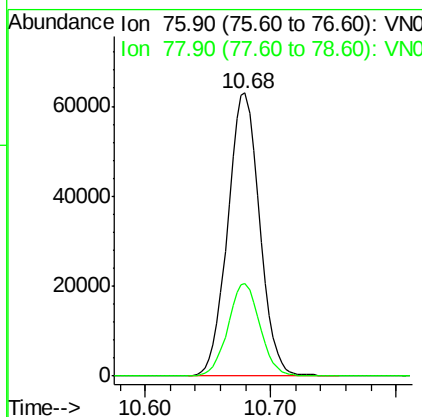
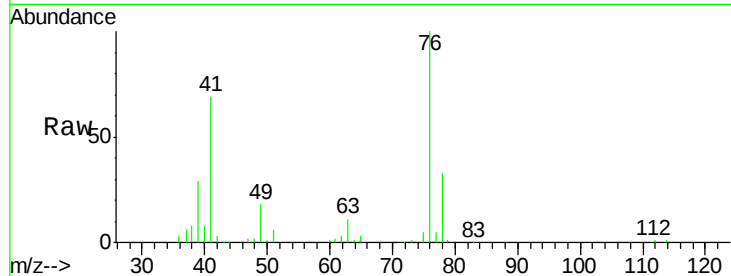




#57
 1,3-Dichloropropane
 Concen: 50.391 ug/l
 RT: 10.68 min Scan# 2827
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

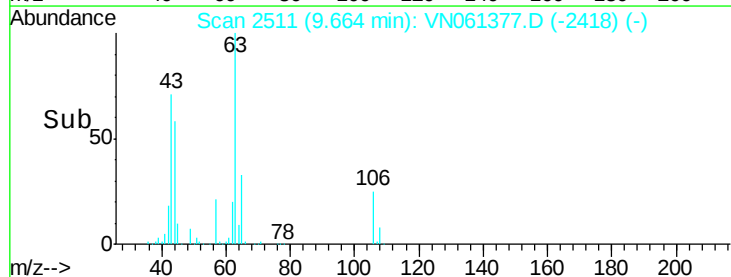
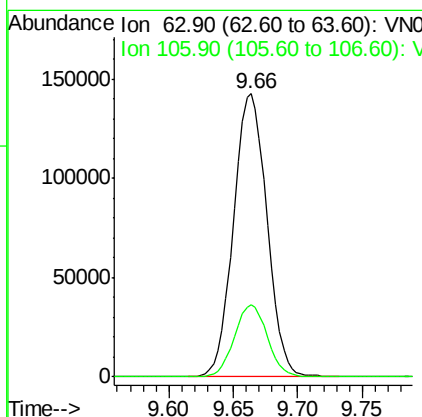
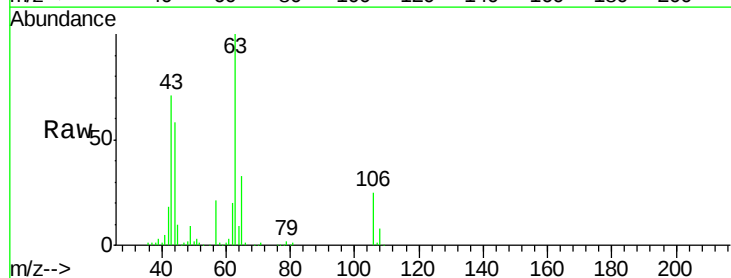
Instrument :
 MSVOA_N
 ClientSampled :

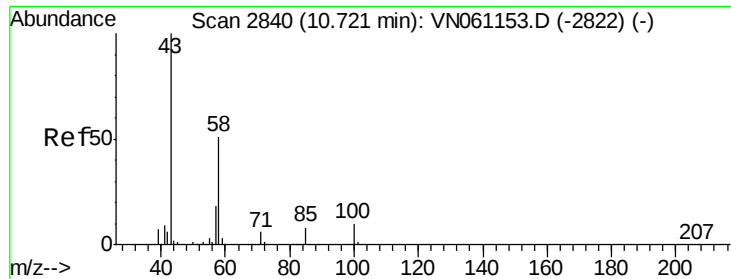
Tot Ion: 76 Resp: 111386
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.363 ug/l
 RT: 9.66 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Tgt Ion: 63 Resp: 256884
 Ion Ratio Lower Upper
 63 100
 106 25.2 20.6 30.8

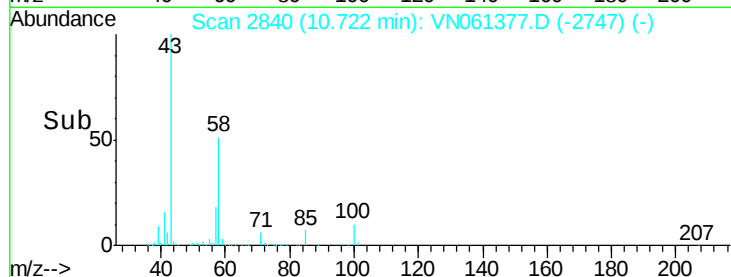
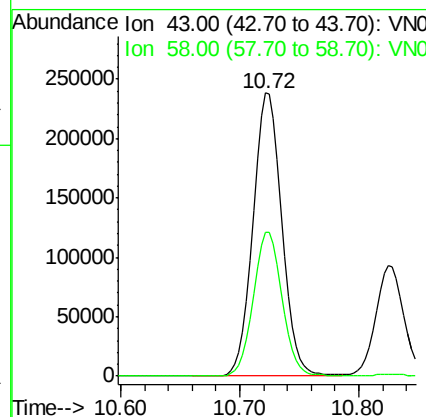
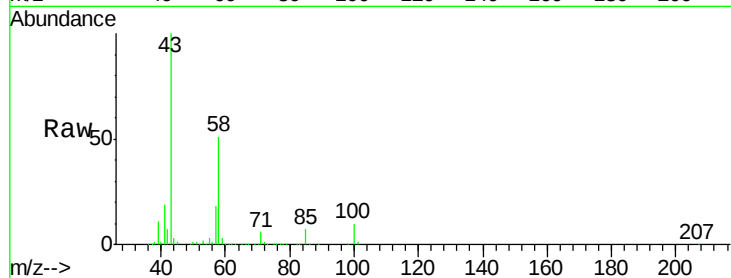




#59
2-Hexanone
Concen: 273.575 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

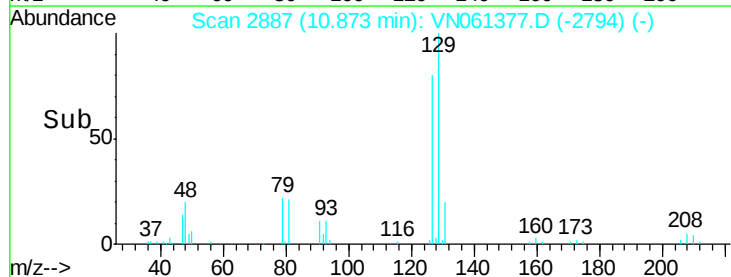
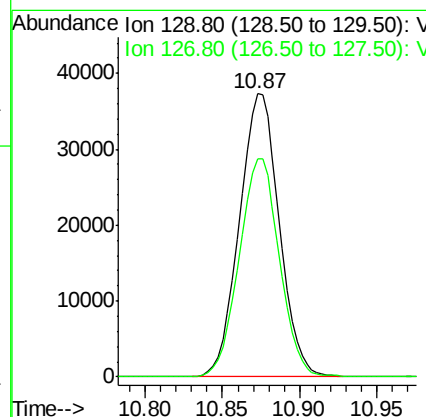
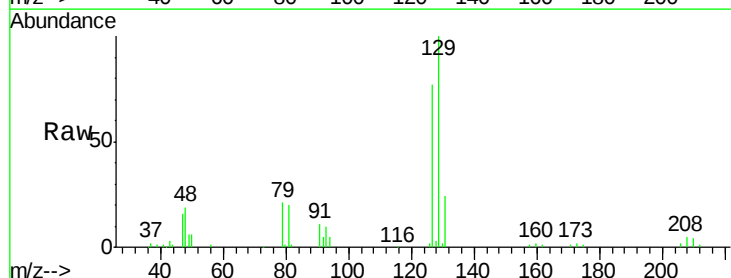
Instrument :
MSVOA_N
ClientSampled :

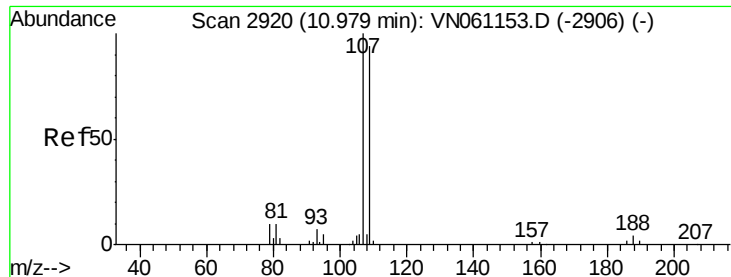
Tot Ion: 43 Resp: 400460
Ion Ratio Lower Upper
43 100
58 50.7 25.4 76.4



#60
Dibromochloromethane
Concen: 50.688 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion: 129 Resp: 66760
Ion Ratio Lower Upper
129 100
127 77.8 39.3 117.8

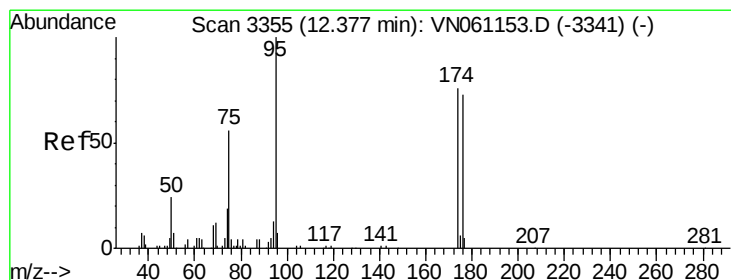
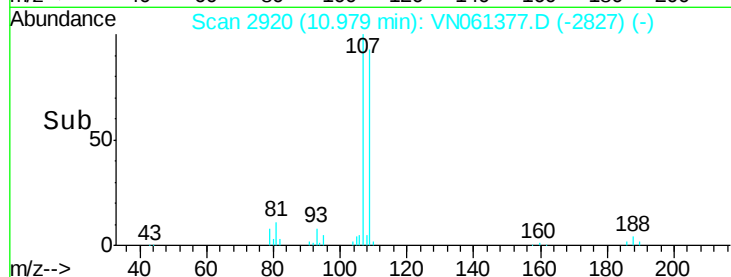
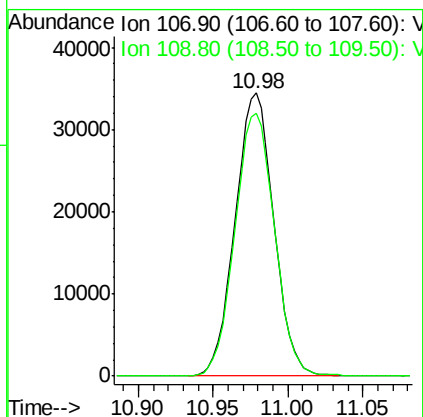
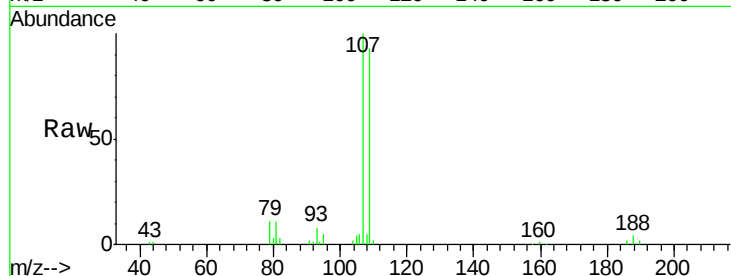




#61
 1,2-Dibromoethane
 Concen: 49.188 ug/l
 RT: 10.98 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

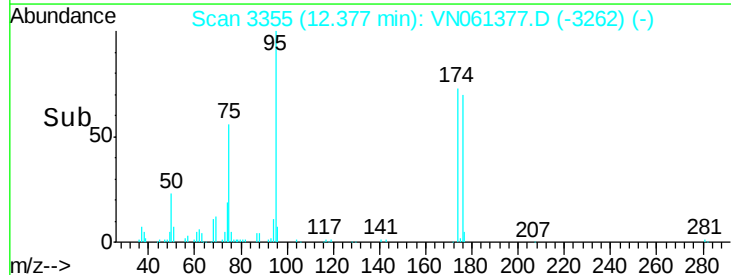
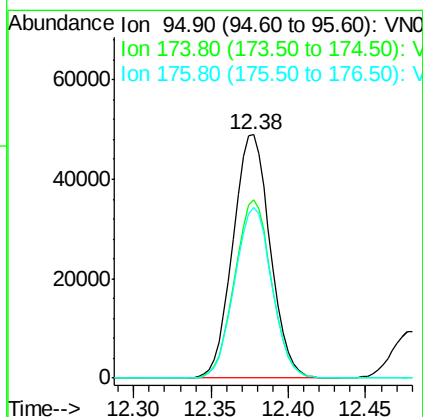
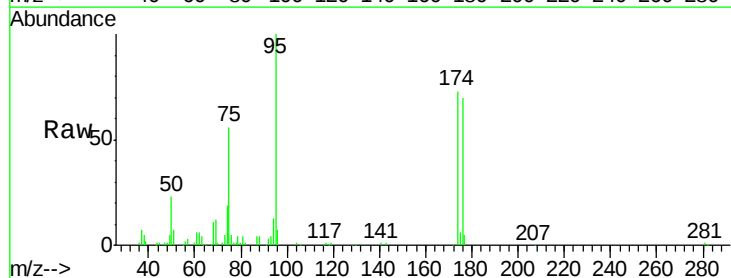
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:107 Resp: 61998
 Ion Ratio Lower Upper
 107 100
 109 95.1 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 51.403 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Tgt Ion: 95 Resp: 81837
 Ion Ratio Lower Upper
 95 100
 174 72.7 0.0 149.4
 176 70.5 0.0 144.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

ClientSampleId :

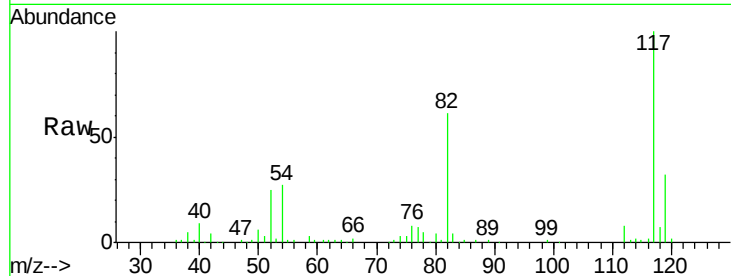
Tot Ion:117 Resp: 164537

Ion Ratio Lower Upper

117 100

82 60.9 47.8 71.8

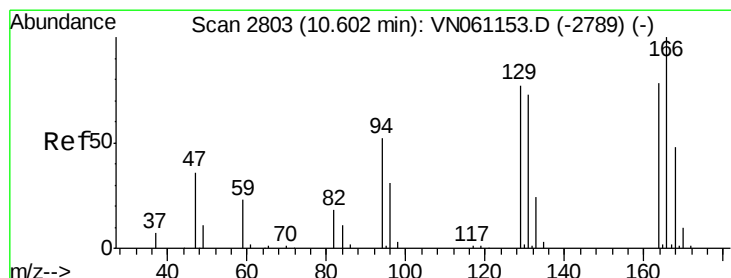
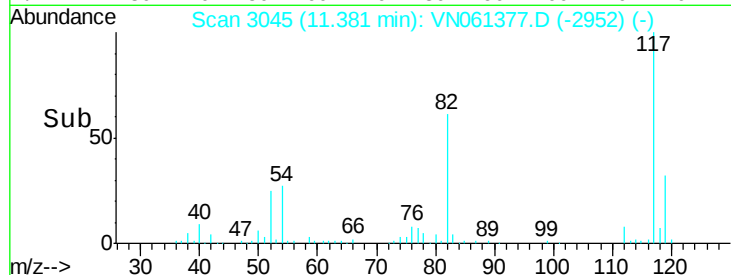
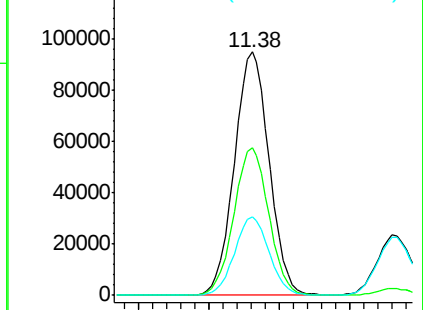
119 32.3 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 41.755 ug/l

RT: 10.60 min Scan# 2803

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Tgt Ion:164 Resp: 59504

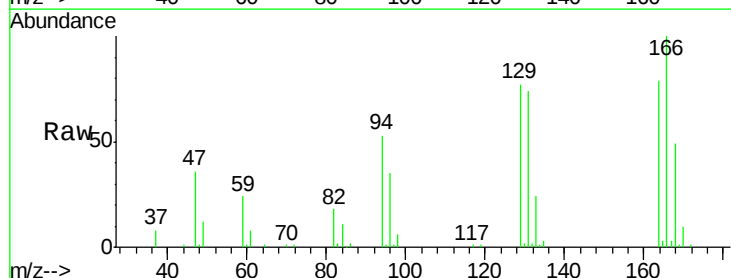
Ion Ratio Lower Upper

164 100

166 125.9 102.0 153.0

129 96.9 78.2 117.2

131 93.1 74.5 111.7

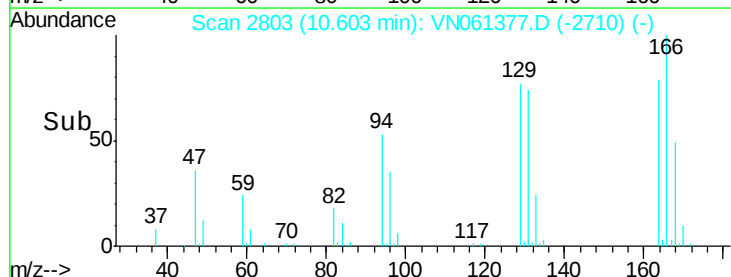
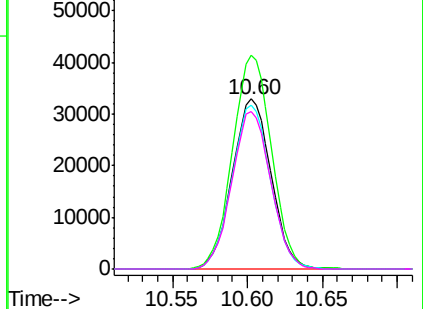


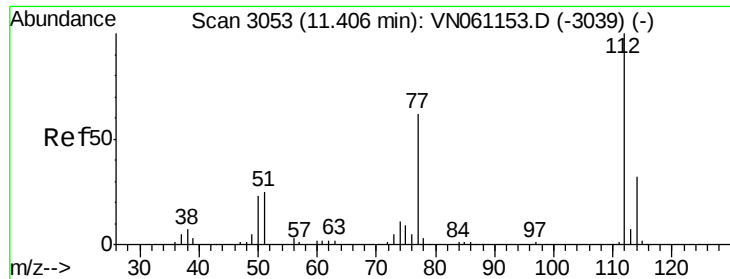
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

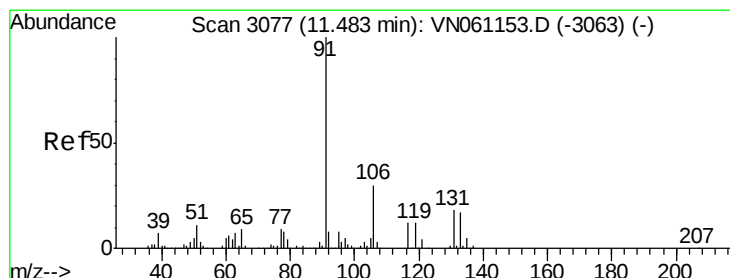
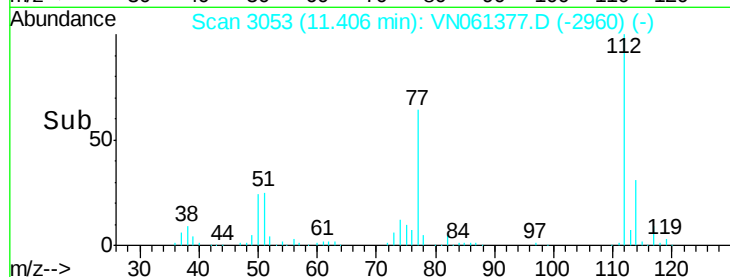
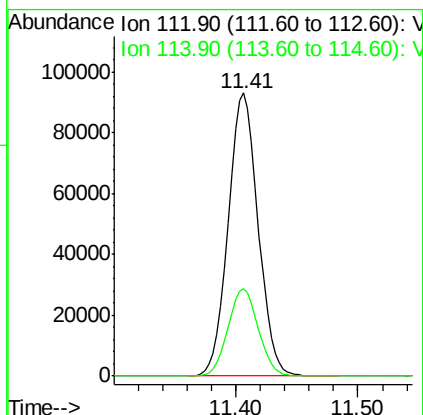
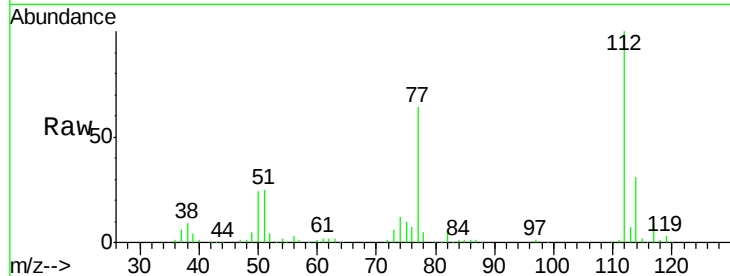




#65
Chlorobenzene
Concen: 48.843 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

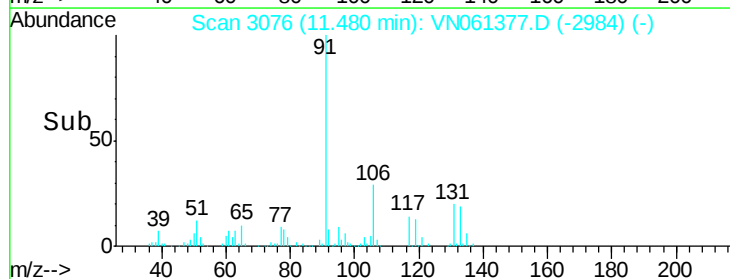
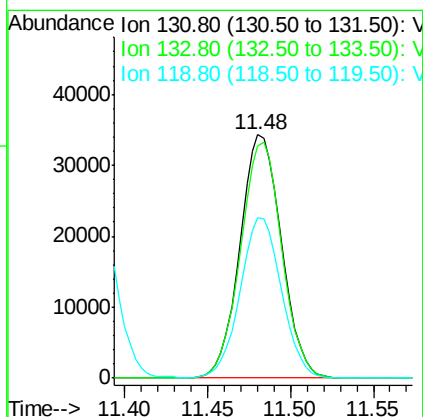
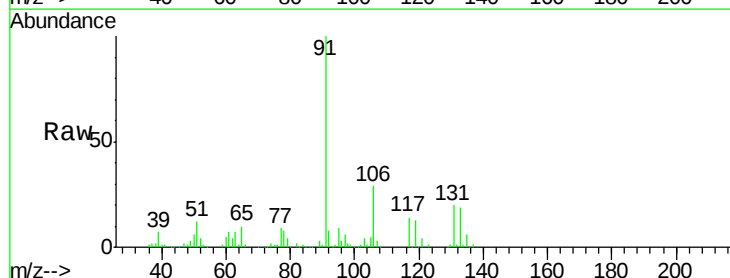
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:112 Resp: 159418
Ion Ratio Lower Upper
112 100
114 30.9 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 51.148 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion:131 Resp: 59749
Ion Ratio Lower Upper
131 100
133 96.6 48.0 144.2
119 65.7 32.6 97.8





#67

Ethyl Benzene

Concen: 49.120 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

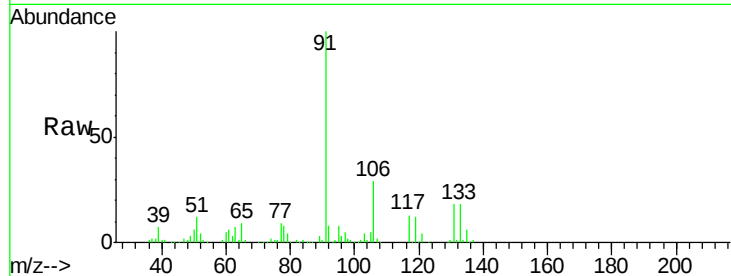
ClientSampled :

Tot Ion: 91 Resp: 300117

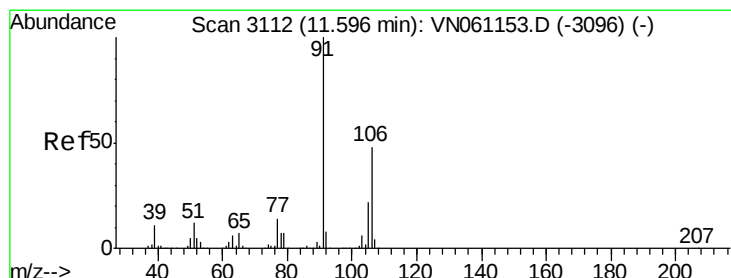
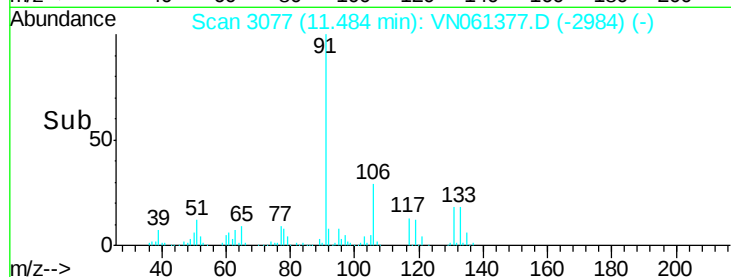
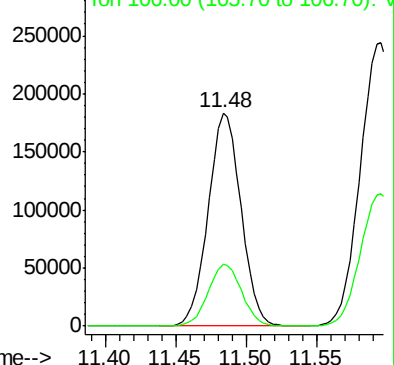
Ion Ratio Lower Upper

91 100

106 29.1 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3063) (-)



#68

m/p-Xylenes

Concen: 97.803 ug/l

RT: 11.60 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VN061377.D

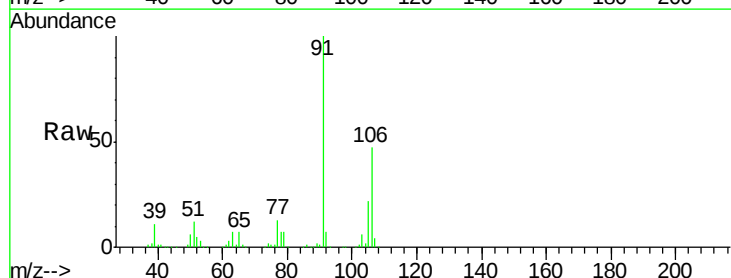
Acq: 8 May 2020 21:11

Tgt Ion: 106 Resp: 218727

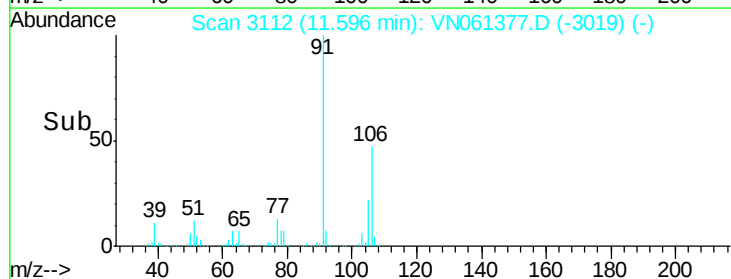
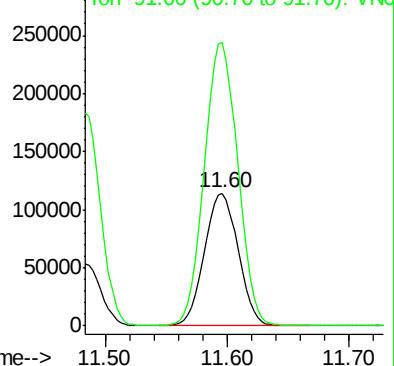
Ion Ratio Lower Upper

106 100

91 212.6 166.4 249.6



Abundance Ion 106.00 (105.70 to 106.70): VN061153.D (-3096) (-)

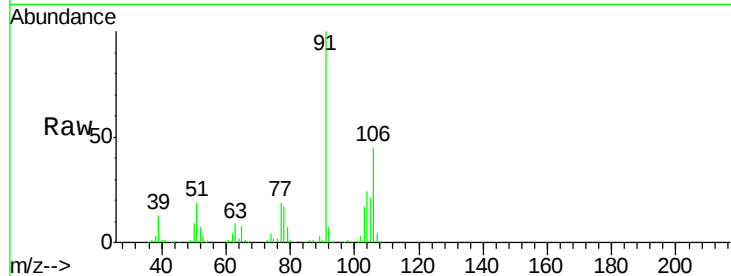




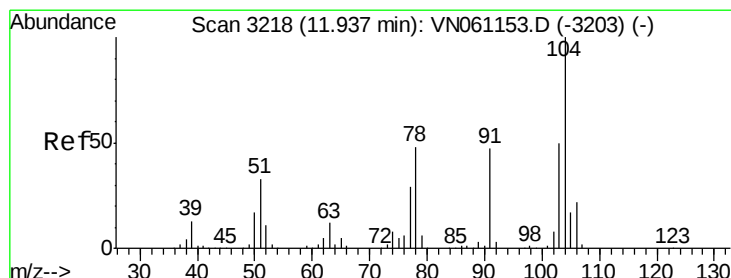
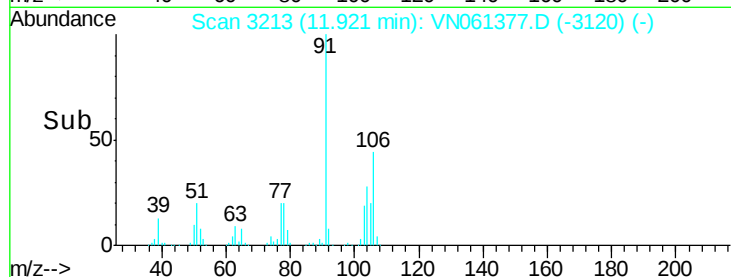
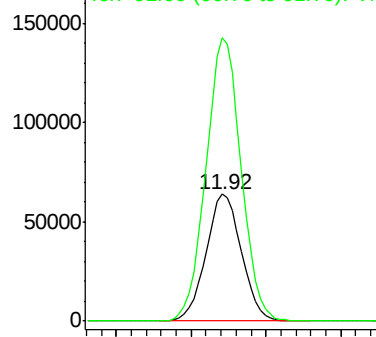
#69
o-Xylene
Concen: 48.862 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 104966
Ion Ratio Lower Upper
106 100
91 222.0 109.7 329.0

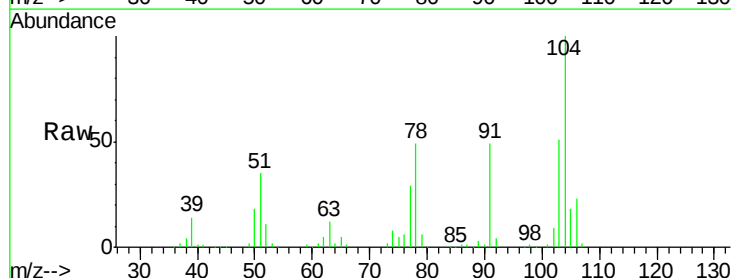


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

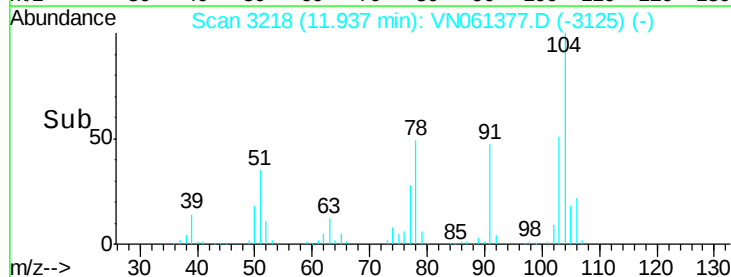
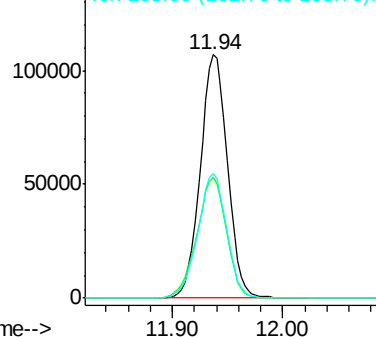


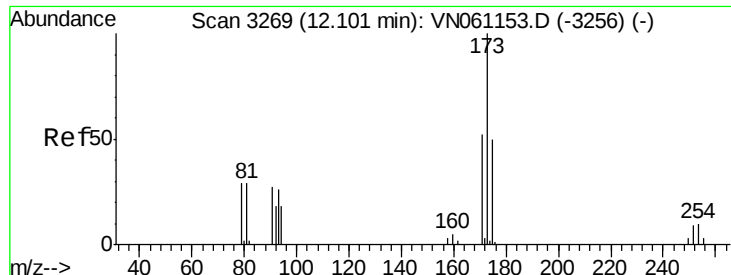
#70
Styrene
Concen: 50.881 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion:104 Resp: 182940
Ion Ratio Lower Upper
104 100
78 53.9 42.1 63.1
103 54.4 43.3 64.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 54.071 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

ClientSampleId :

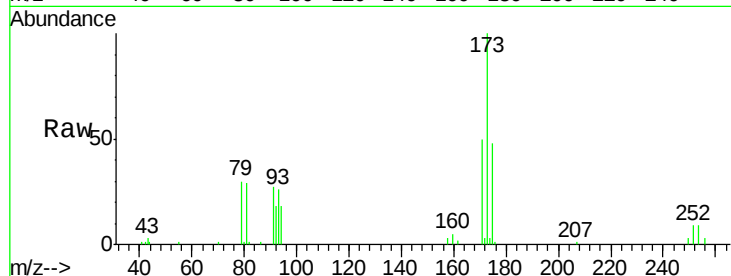
Tot Ion:173 Resp: 46422

Ion Ratio Lower Upper

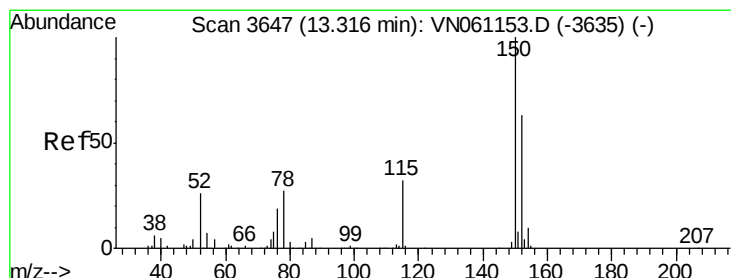
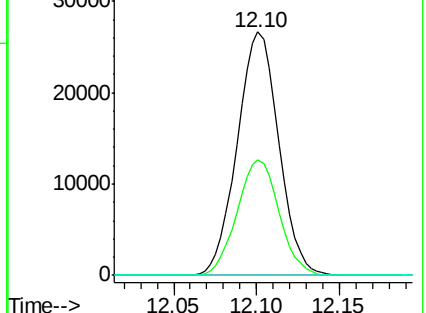
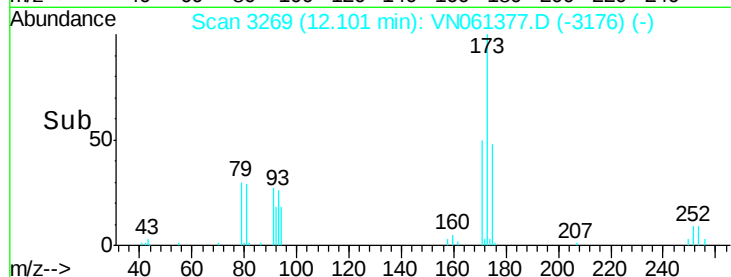
173 100

175 47.8 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: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

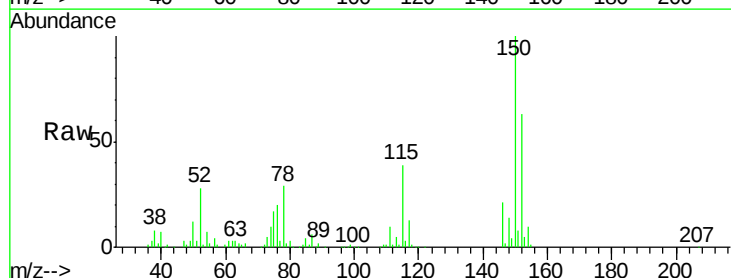
Tgt Ion:152 Resp: 80661

Ion Ratio Lower Upper

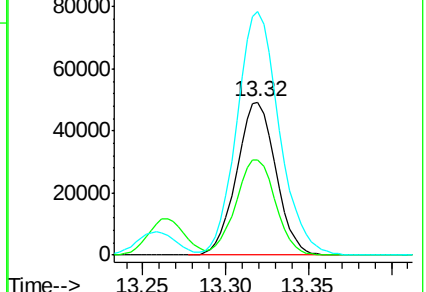
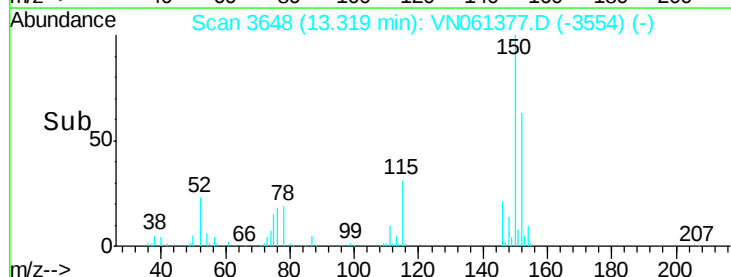
152 100

115 63.2 31.0 93.0

150 172.7 0.0 351.8



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

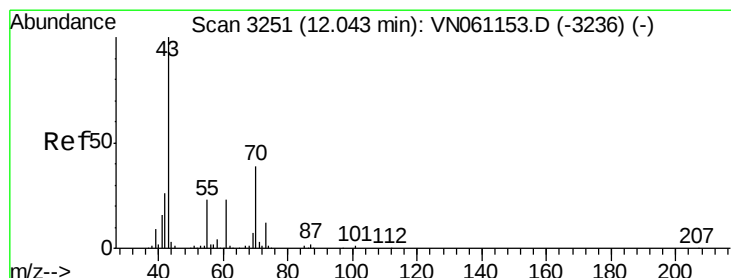
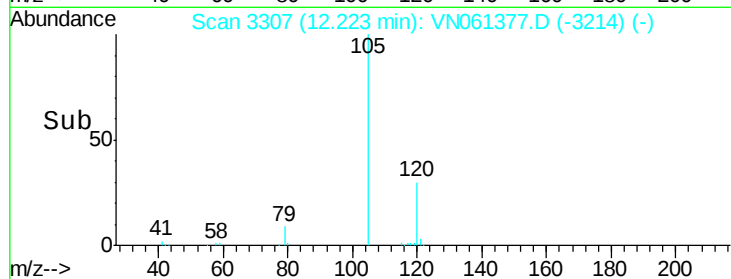
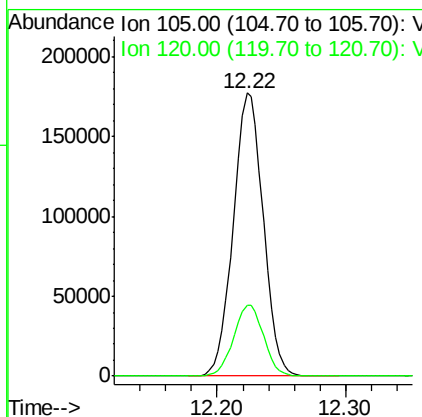
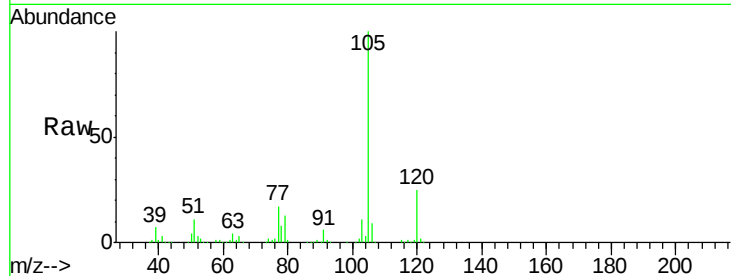




#73
Isopropylbenzene
Concen: 48.174 ug/l
RT: 12.22 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

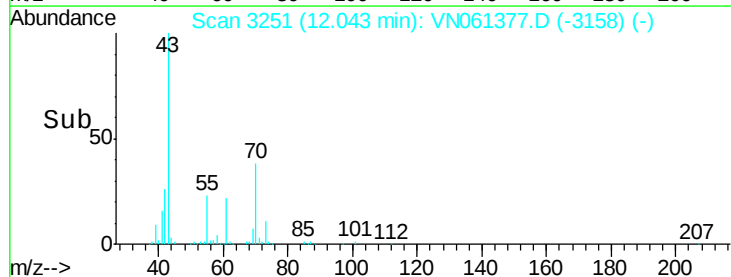
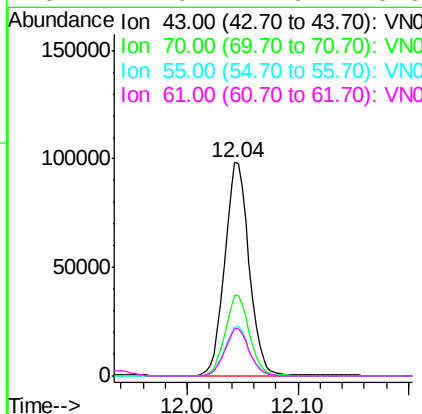
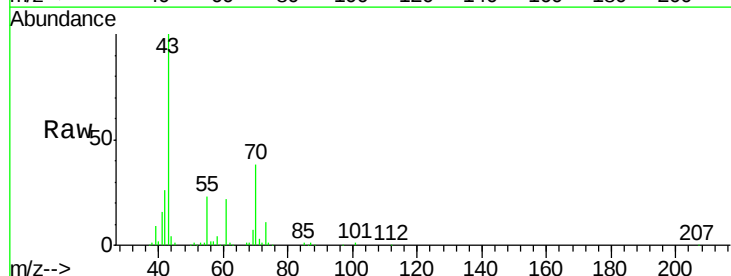
Instrument :
MSVOA_N
ClientSampled :

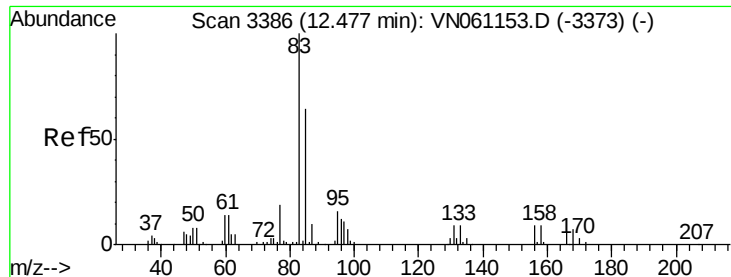
Tot Ion:105 Resp: 285660
Ion Ratio Lower Upper
105 100
120 25.1 12.6 37.8



#74
N-ethyl acetate
Concen: 50.633 ug/l
RT: 12.04 min Scan# 3251
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion: 43 Resp: 152037
Ion Ratio Lower Upper
43 100
70 37.4 30.6 46.0
55 23.2 18.5 27.7
61 22.0 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 51.477 ug/l

RT: 12.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

ClientSampled :

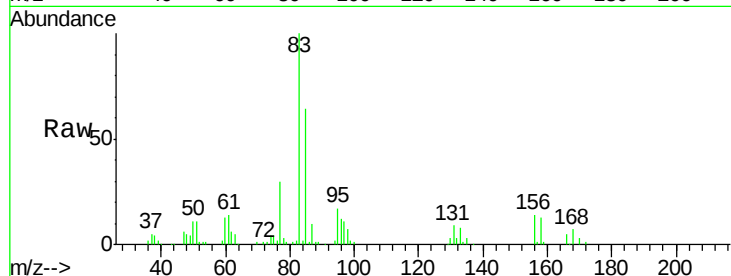
Tot Ion: 83 Resp: 95181

Ion Ratio Lower Upper

83 100

131 9.4 4.8 14.3

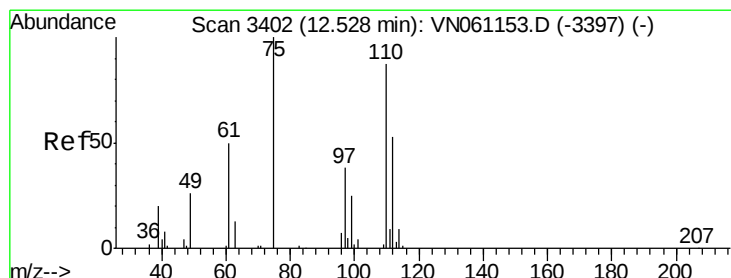
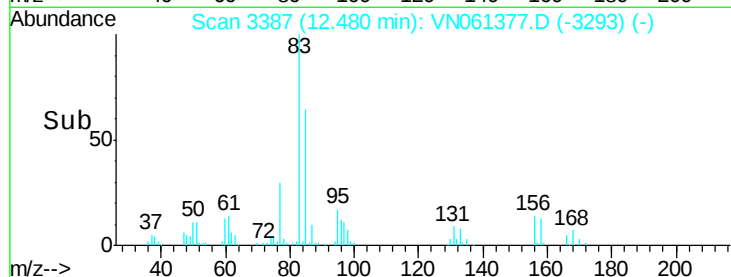
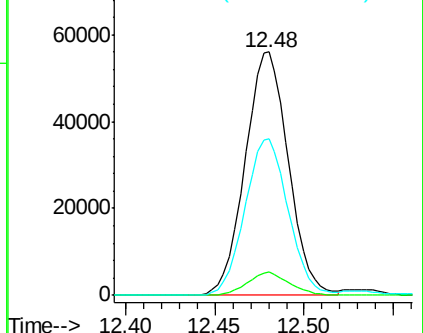
85 64.3 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 76.407 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061377.D

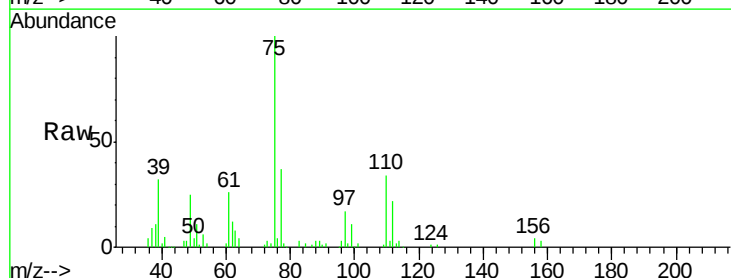
Acq: 8 May 2020 21:11

Tgt Ion: 75 Resp: 129934

Ion Ratio Lower Upper

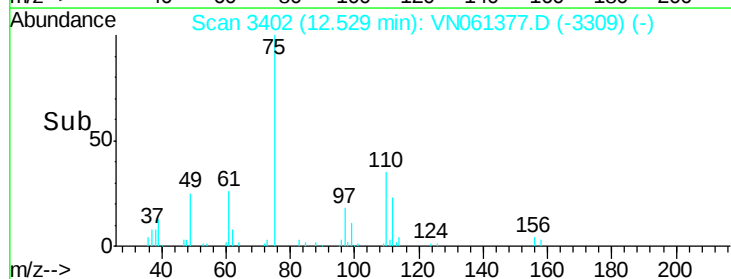
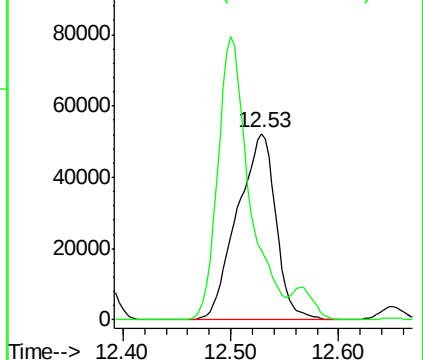
75 100

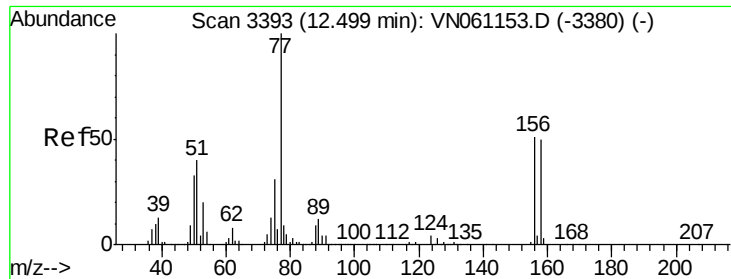
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.722 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

ClientSampled :

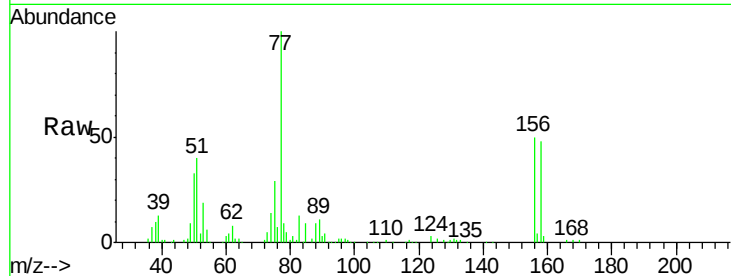
Tot Ion:156 Resp: 66693

Ion Ratio Lower Upper

156 100

77 241.5 117.4 352.2

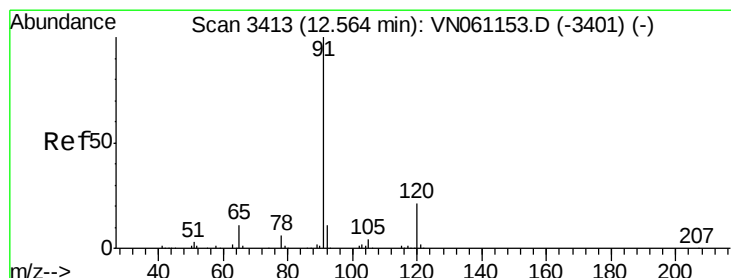
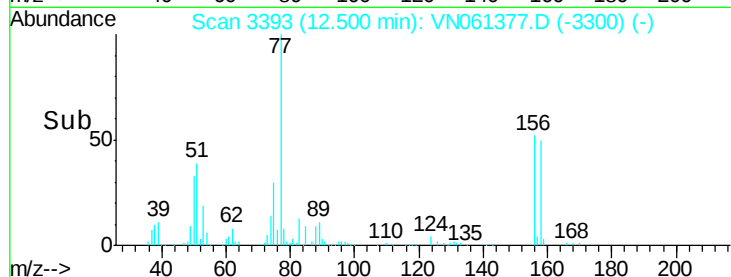
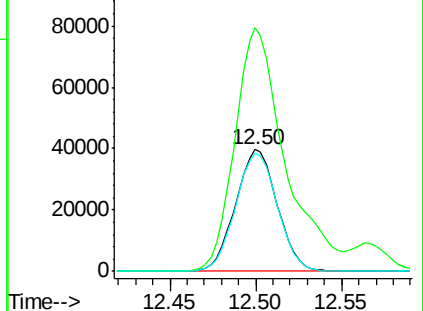
158 97.3 48.4 145.0



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: 48.535 ug/l

RT: 12.57 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061377.D

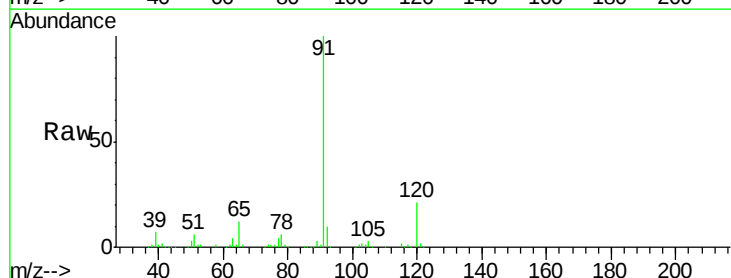
Acq: 8 May 2020 21:11

Tgt Ion: 91 Resp: 341363

Ion Ratio Lower Upper

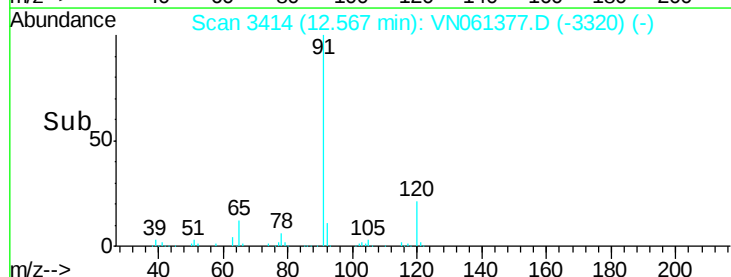
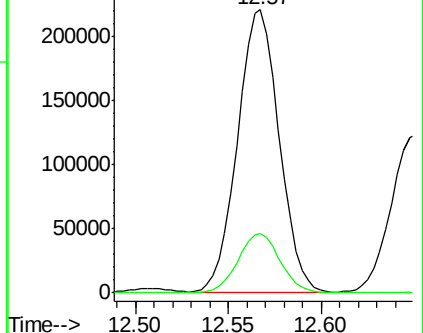
91 100

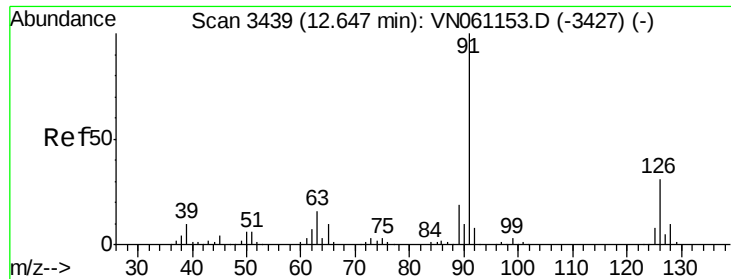
120 21.2 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

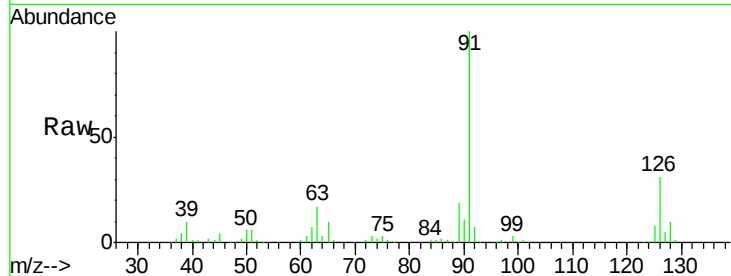




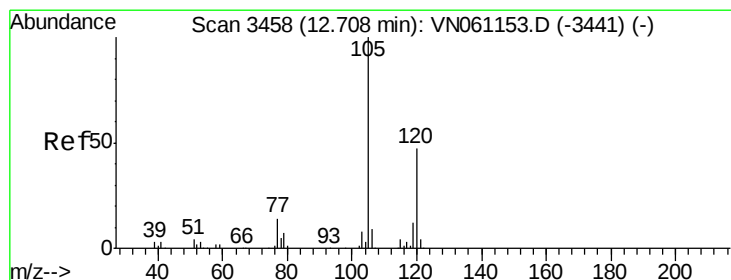
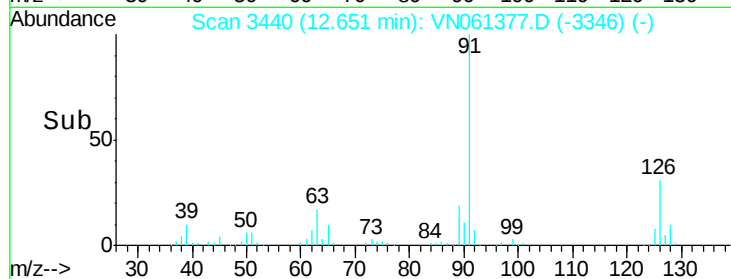
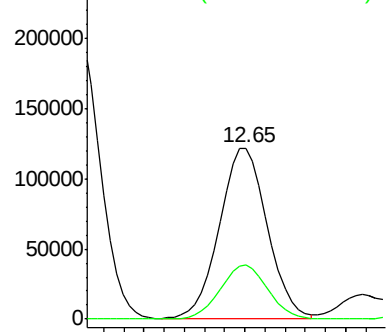
#79
 2-Chlorotoluene
 Concen: 48.669 ug/l
 RT: 12.65 min Scan# 3440
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 91 Resp: 201199
 Ion Ratio Lower Upper
 91 100
 126 31.7 15.9 47.7

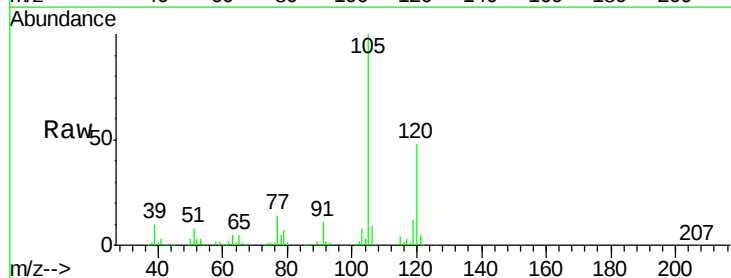


Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3427) (-)
 Ion 125.90 (125.60 to 126.60): VN061153.D (-3427) (-)

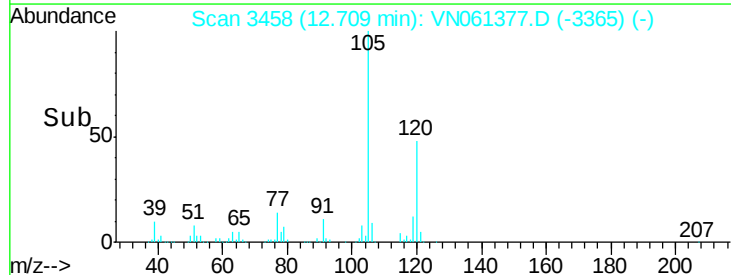
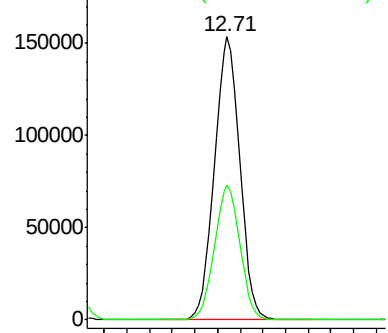


#80
 1,3,5-Trimethylbenzene
 Concen: 48.903 ug/l
 RT: 12.71 min Scan# 3458
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Tgt Ion: 105 Resp: 240007
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061153.D (-3441) (-)
 Ion 120.00 (119.70 to 120.70): VN061153.D (-3441) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.918 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

ClientSampleId :

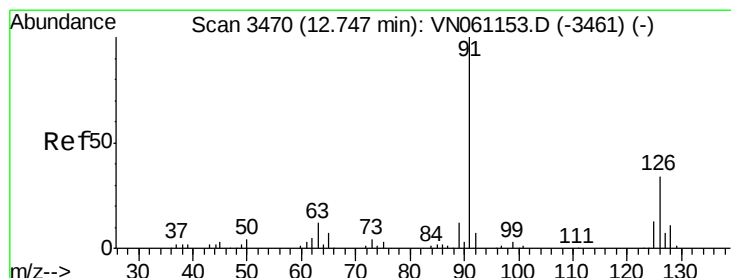
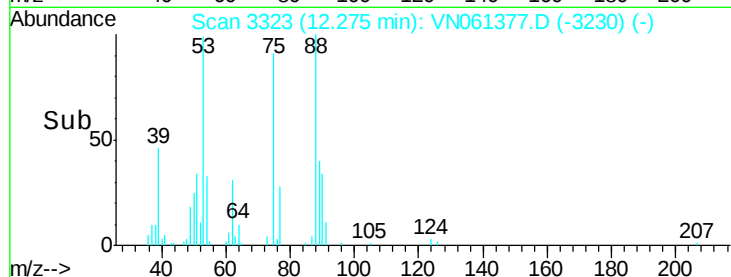
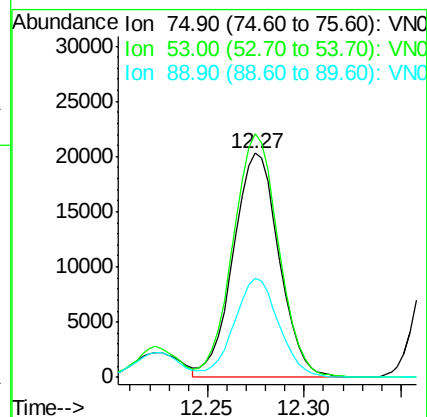
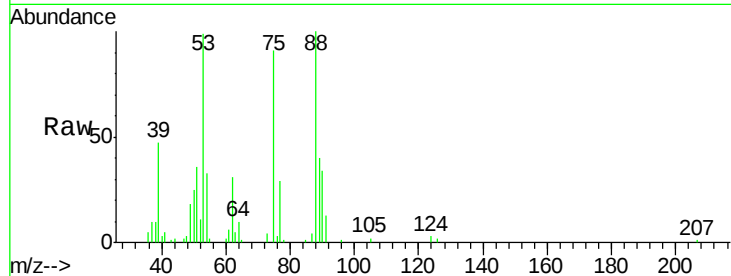
Tot Ion: 75 Resp: 33427

Ion Ratio Lower Upper

75 100

53 108.0 84.1 126.1

89 43.1 35.2 52.8



#82

4-Chlorotoluene

Concen: 49.439 ug/l

RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061377.D

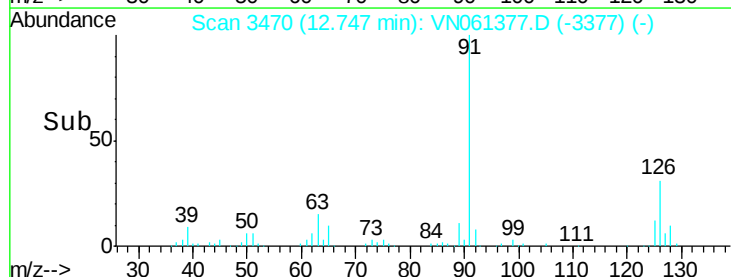
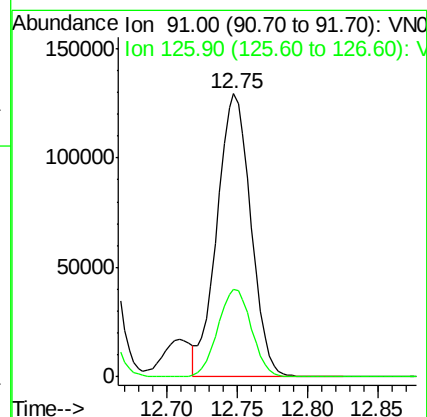
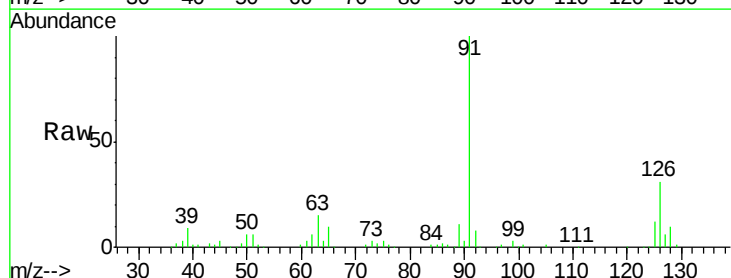
Acq: 8 May 2020 21:11

Tgt Ion: 91 Resp: 215412

Ion Ratio Lower Upper

91 100

126 30.6 15.7 47.1

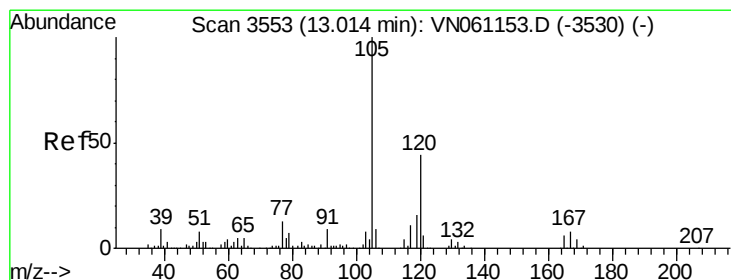
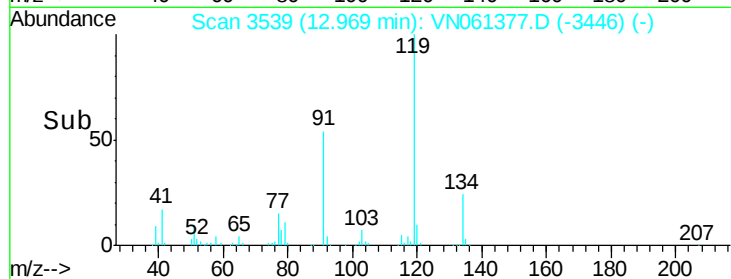
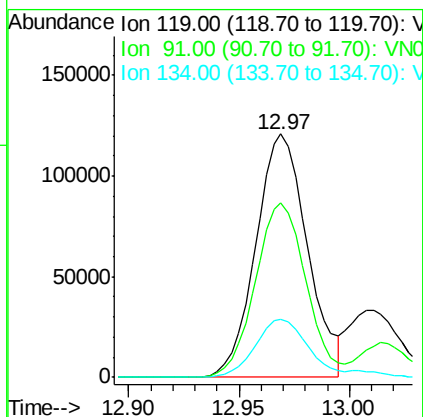
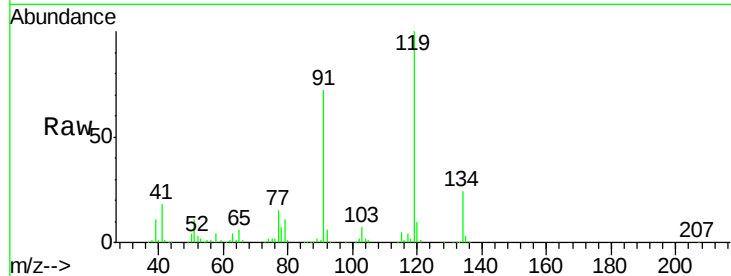




#83
 tert-Butylbenzene
 Concen: 47.388 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

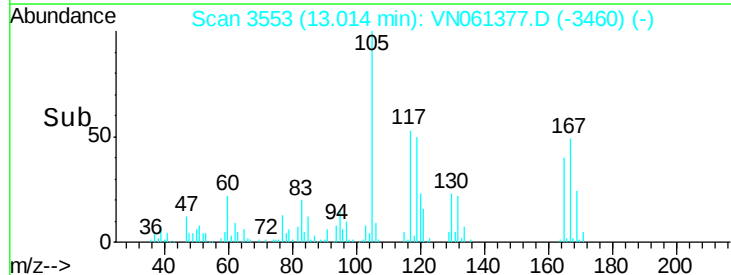
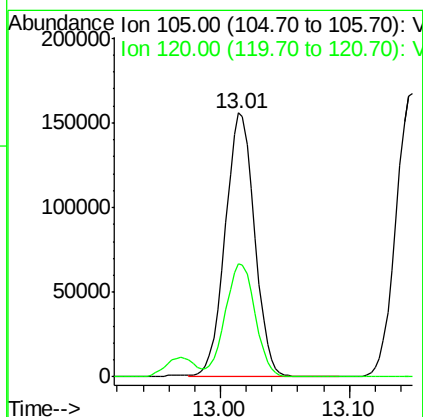
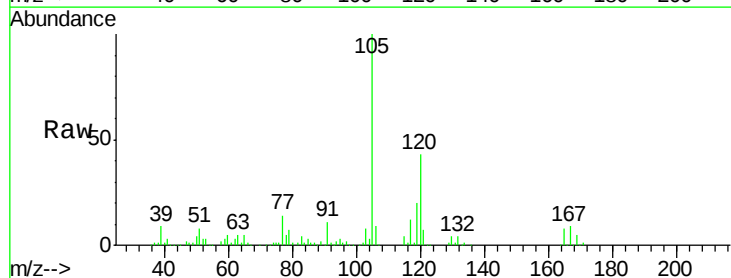
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 196105
 Ion Ratio Lower Upper
 119 100
 91 70.7 34.8 104.4
 134 26.0 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 48.549 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Tgt Ion:105 Resp: 245483
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.2 66.6





#85

sec-Butylbenzene

Concen: 46.871 ug/l

RT: 13.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

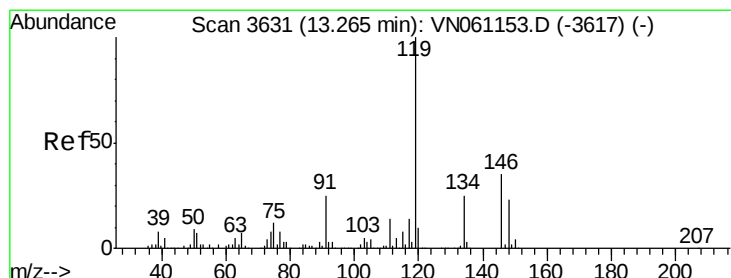
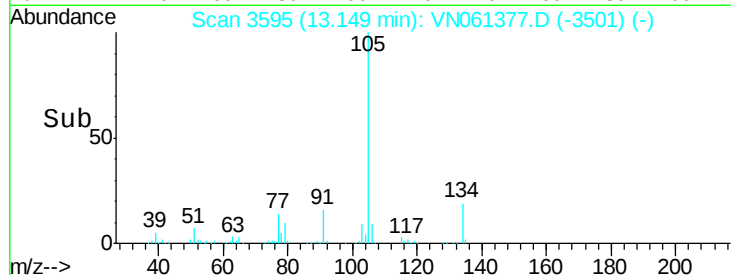
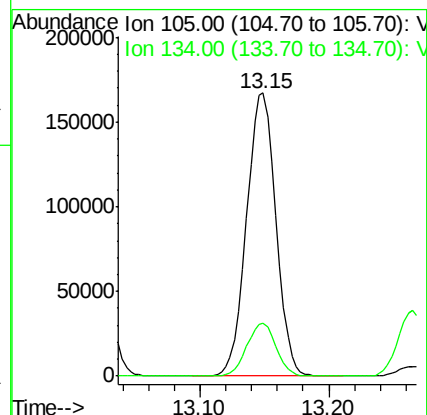
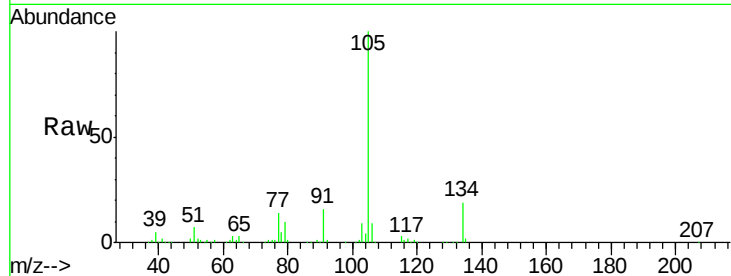
ClientSampleId :

Tot Ion:105 Resp: 264452

Ion Ratio Lower Upper

105 100

134 18.7 9.6 28.8



#86

p-Isopropyltoluene

Concen: 46.477 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

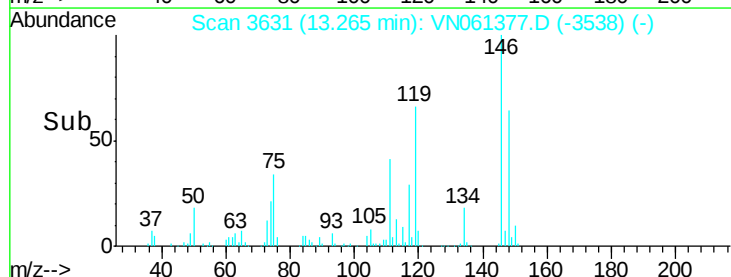
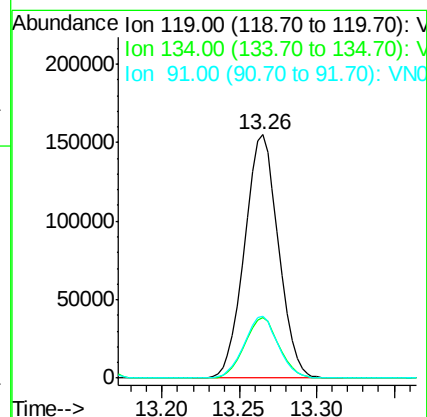
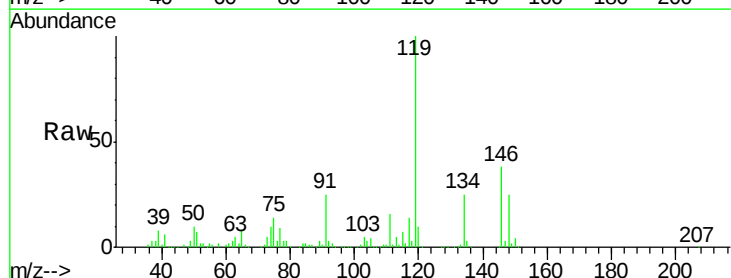
Tgt Ion:119 Resp: 236265

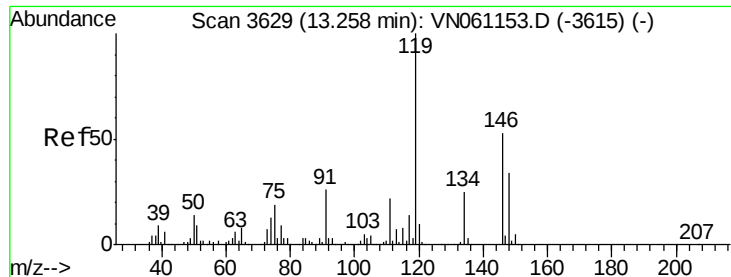
Ion Ratio Lower Upper

119 100

134 25.0 12.6 37.6

91 25.4 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 48.385 ug/l

RT: 13.26 min Scan# 3629

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

ClientSampled :

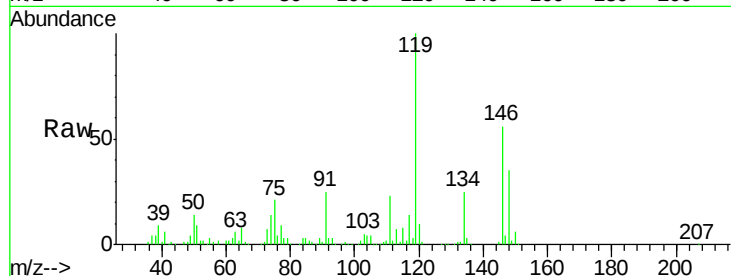
Tot Ion:146 Resp: 121927

Ion Ratio Lower Upper

146 100

111 41.3 20.7 62.1

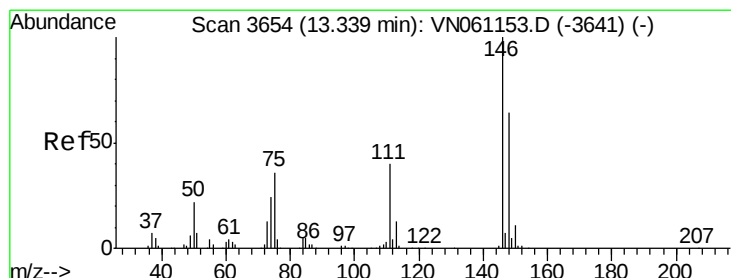
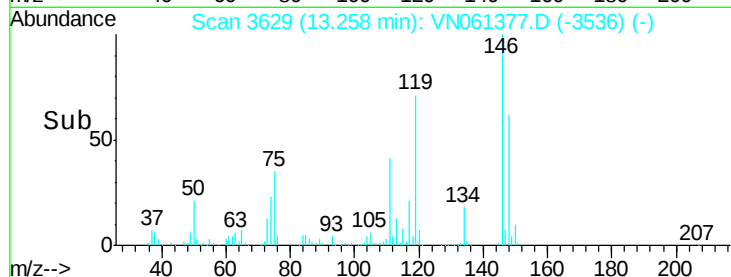
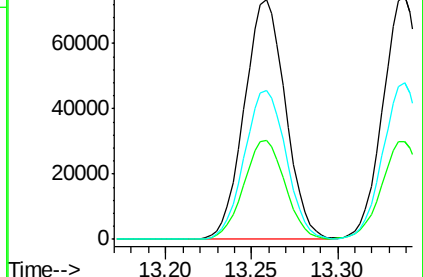
148 62.9 31.8 95.3



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



#88

1,4-Dichlorobenzene

Concen: 47.367 ug/l

RT: 13.34 min Scan# 3654

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

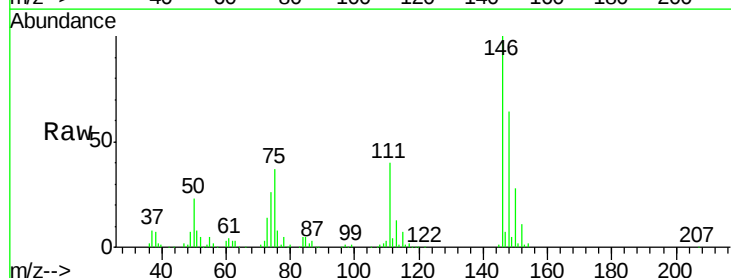
Tgt Ion:146 Resp: 121958

Ion Ratio Lower Upper

146 100

111 41.3 20.4 61.3

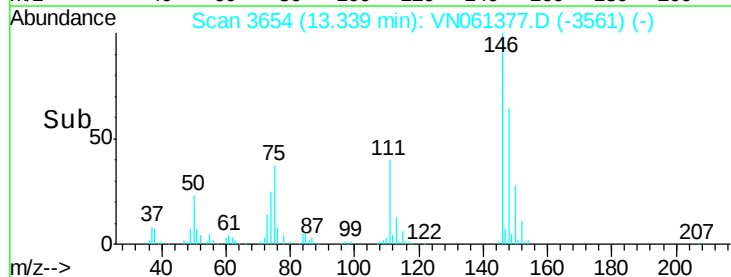
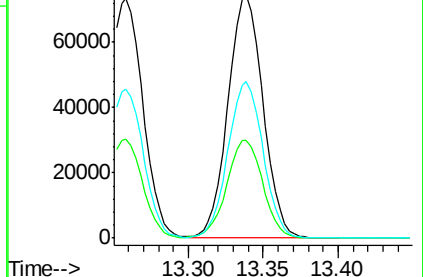
148 64.5 31.9 95.7

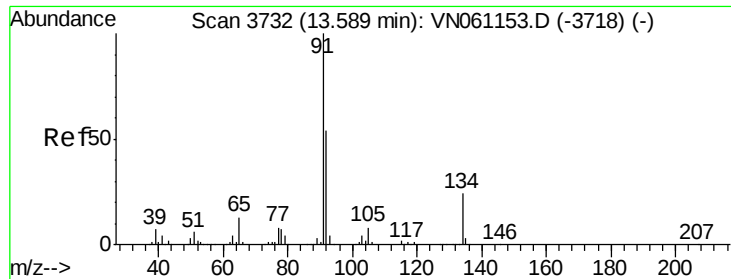


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

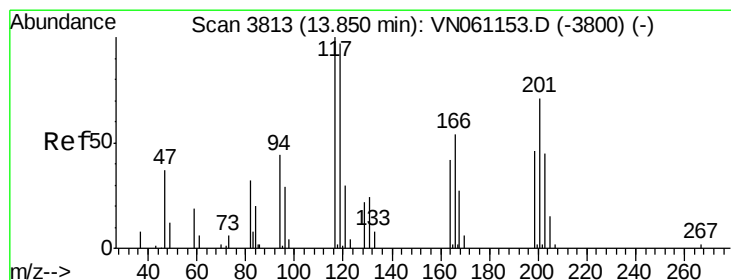
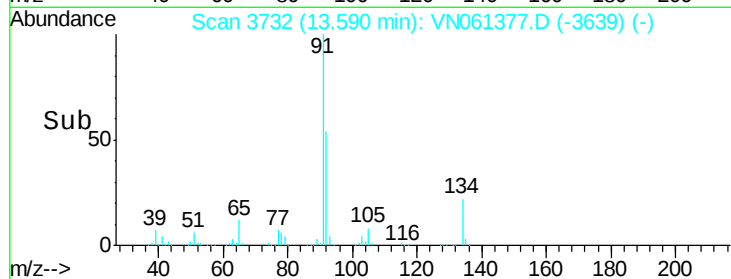
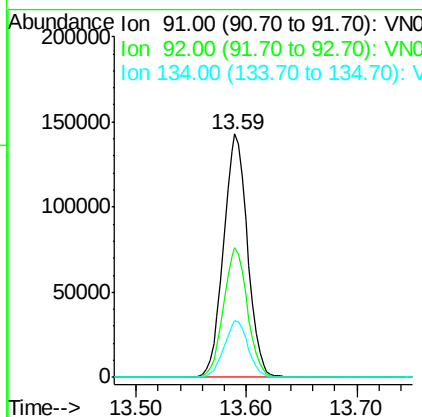
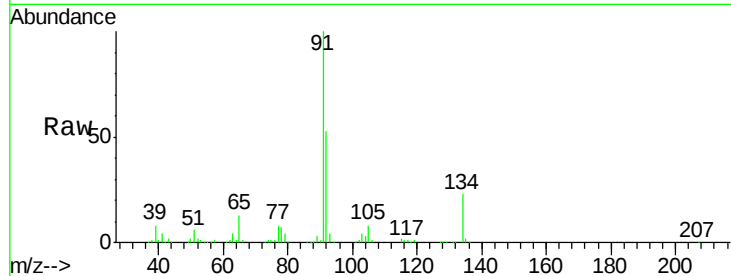




#89
n-Butylbenzene
Concen: 46.181 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

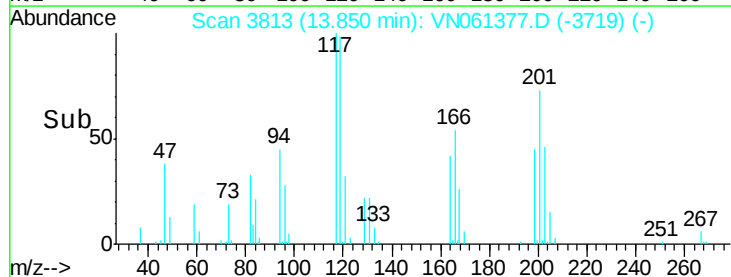
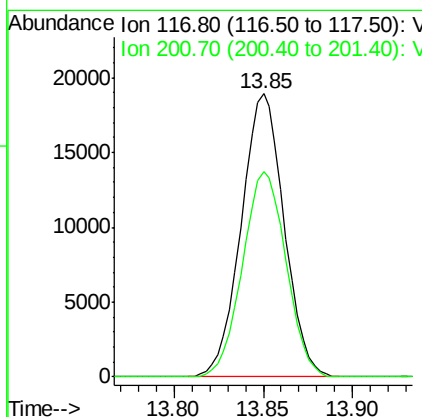
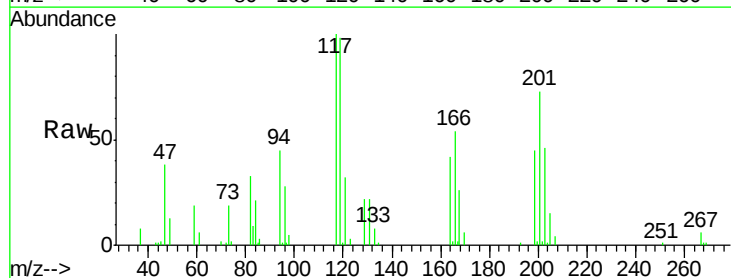
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 215213
Ion Ratio Lower Upper
91 100
92 53.0 26.8 80.3
134 23.1 11.9 35.5



#90
Hexachloroethane
Concen: 58.491 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion: 117 Resp: 31824
Ion Ratio Lower Upper
117 100
201 73.6 35.5 106.7





#91

1,2-Dichlorobenzene

Concen: 48.453 ug/l

RT: 13.63 min Scan# 3744

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

Instrument :

MSVOA_N

ClientSampleId :

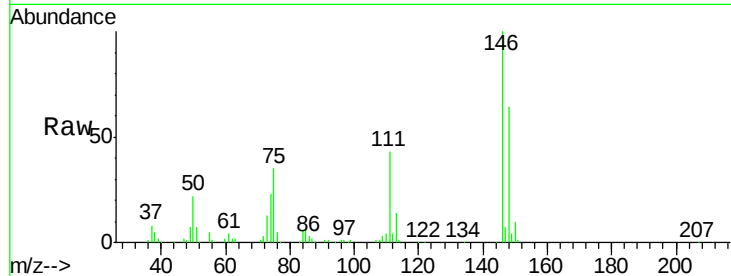
Tot Ion:146 Resp: 117073

Ion Ratio Lower Upper

146 100

111 43.3 21.8 65.3

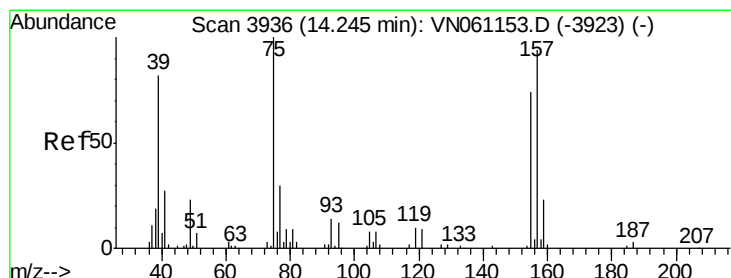
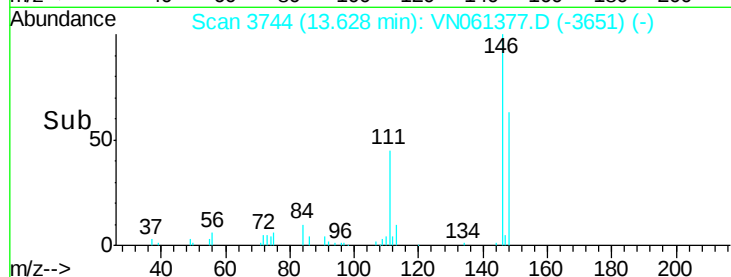
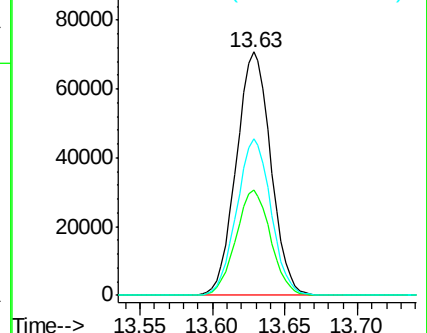
148 63.9 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.497 ug/l

RT: 14.25 min Scan# 3936

Delta R.T. 0.00 min

Lab File: VN061377.D

Acq: 8 May 2020 21:11

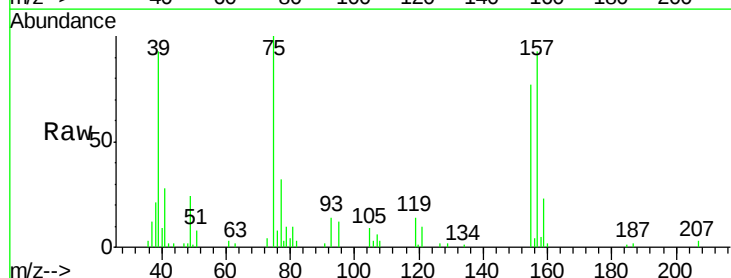
Tgt Ion: 75 Resp: 20110

Ion Ratio Lower Upper

75 100

155 72.3 36.5 109.7

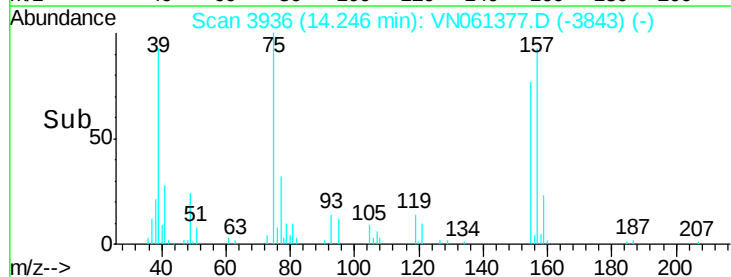
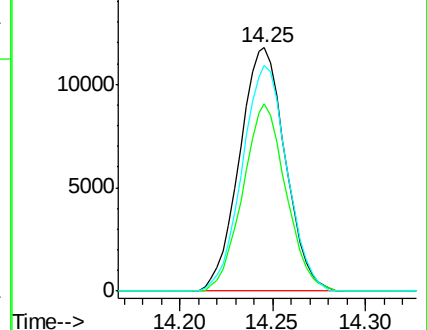
157 90.5 46.6 139.7

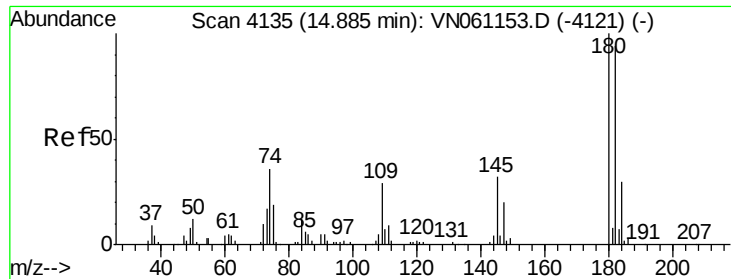


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

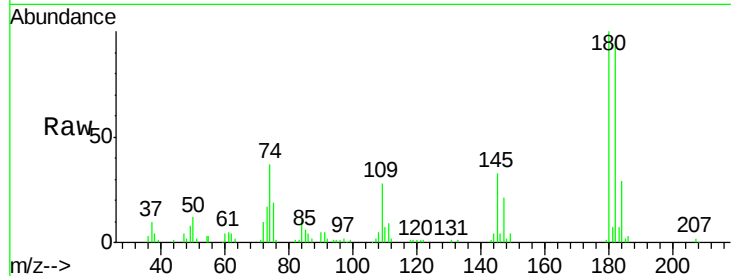




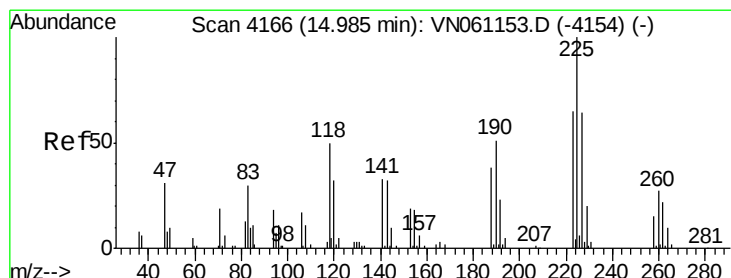
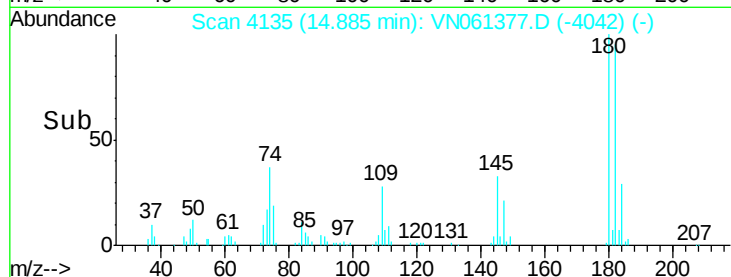
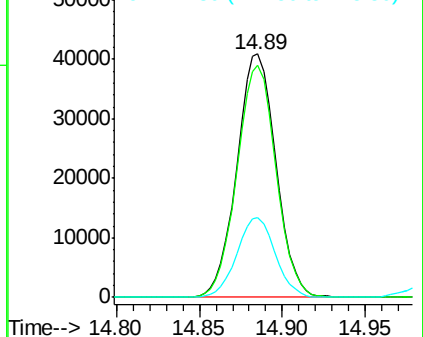
#93
 1,2,4-Trichlorobenzene
 Concen: 45.516 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 66971
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.3 141.9
 145 32.3 16.0 47.9

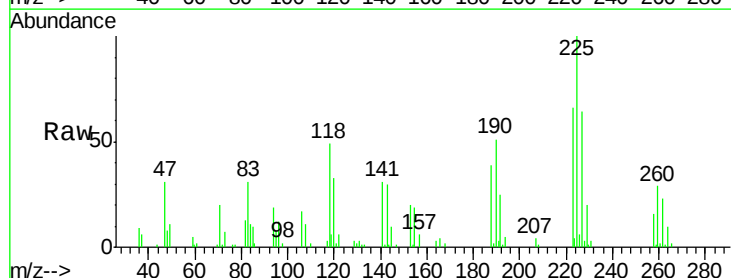


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

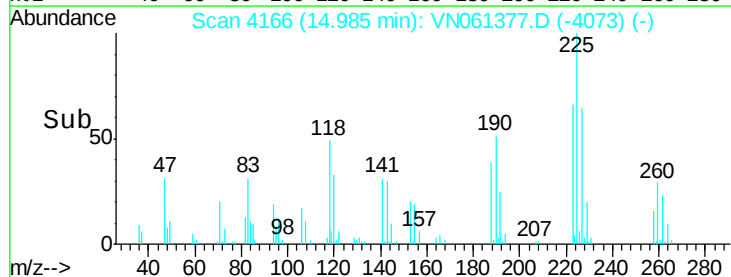
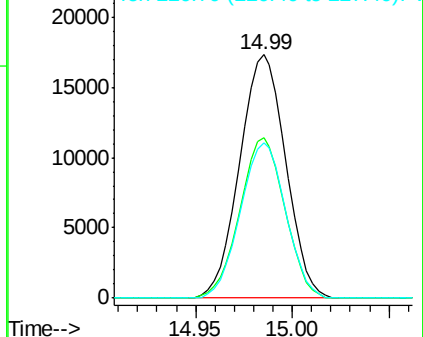


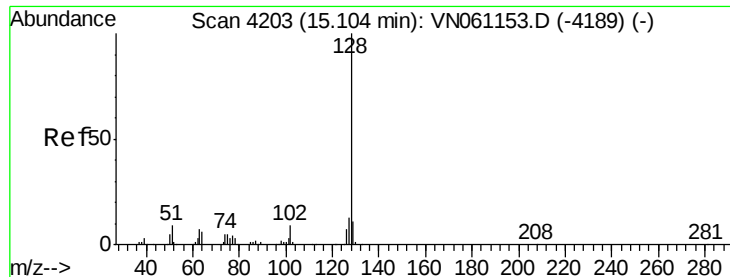
#94
 Hexachlorobutadiene
 Concen: 46.690 ug/l
 RT: 14.99 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061377.D
 Acq: 8 May 2020 21:11

Tgt Ion:225 Resp: 28700
 Ion Ratio Lower Upper
 225 100
 223 64.3 32.4 97.0
 227 62.6 32.4 97.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

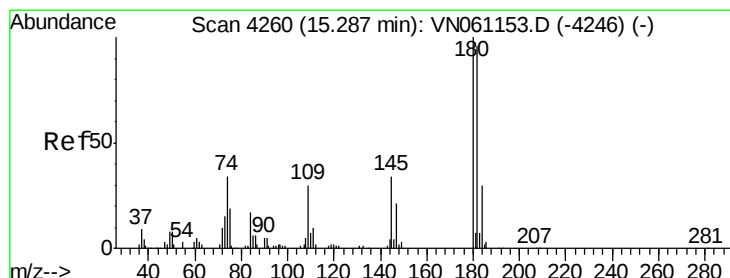
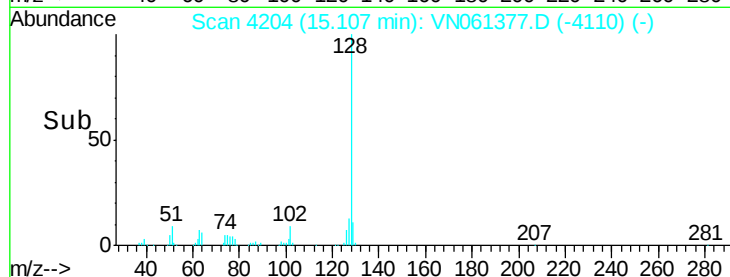
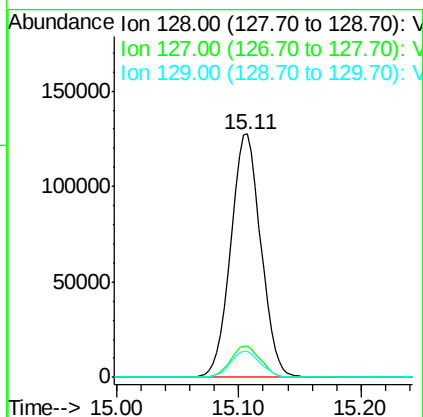
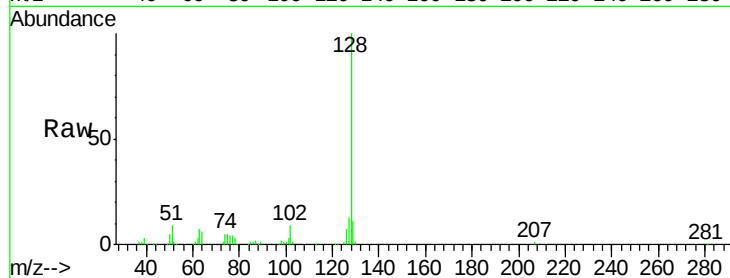




#95
Naphthalene
Concen: 45.801 ug/l
RT: 15.11 min Scan# 4204
Delta R.T. 0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 219470
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 45.757 ug/l
RT: 15.28 min Scan# 4259
Delta R.T. -0.00 min
Lab File: VN061377.D
Acq: 8 May 2020 21:11

Tgt Ion:180 Resp: 66470
Ion Ratio Lower Upper
180 100
182 95.0 47.5 142.5
145 33.0 16.9 50.7

