

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050820\
 Data File : VN061363.D
 Acq On : 8 May 2020 15:46
 Operator : JC/MD
 Sample : L2544-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 09 00:37:25 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	103639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	188194	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	181588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	84796	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	84678	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
35) Dibromofluoromethane	7.55	113	53510	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
50) Toluene-d8	10.06	98	241052	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
62) 4-Bromofluorobenzene	12.38	95	94179	55.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.34%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.73	59	523	2.381	ug/l #	72
13) Acrolein	3.75	56	1653	11.292	ug/l #	60
14) Allyl chloride	4.48	41	44723	22.058	ug/l #	65
16) Acetone	3.76	43	6788	5.295	ug/l #	65
18) Methyl Acetate	4.48	43	98756	47.738	ug/l #	55
20) Methylene Chloride	4.47	84	311	0.243	ug/l #	1
25) 2-Butanone	6.77	43	8848	9.118	ug/l #	53
29) Tetrahydrofuran	7.34	42	717	1.097	ug/l #	1
31) Cyclohexane	7.62	56	4253	1.783	ug/l #	36
36) 1,1-Dichloropropene	7.63	75	9517	5.052	ug/l #	49
37) Ethyl Acetate	6.77	43	8848	4.006	ug/l #	71
38) Carbon Tetrachloride	7.63	117	11338	8.581	ug/l #	16
39) Methylcyclohexane	9.01	83	15700	7.431	ug/l #	23
41) Methacrylonitrile	7.35	41	4707	5.133	ug/l #	100
43) Isopropyl Acetate	8.17	43	125513	34.243	ug/l #	57
47) Bromodichloromethane	9.33	83	1714	0.860	ug/l #	25
48) Methyl methacrylate	9.19	41	23912	14.457	ug/l #	38
51) 4-Methyl-2-Pentanone	9.99	43	7716	3.576	ug/l #	80
55) 1,1,2-Trichloroethane	10.50	97	4918	3.647	ug/l #	21
56) Ethyl methacrylate	10.36	69	1288	3.245	ug/l #	19
58) 2-Chloroethyl Vinyl ether	9.62	63	1106	1.013	ug/l #	49
59) 2-Hexanone	10.69	43	2671	1.702	ug/l #	27
65) Chlorobenzene	11.41	112	65256	18.116	ug/l #	99
71) Bromoform	12.37	173	304	0.321	ug/l #	1
73) Isopropylbenzene	12.22	105	26353	4.227	ug/l #	100
74) N-amyl acetate	12.06	43	1536	0.487	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.45	83	1272	0.654	ug/l #	25
76) 1,2,3-Trichloropropane	12.38	75	51212	28.646	ug/l #	100
78) n-propylbenzene	12.56	91	2886	0.390	ug/l #	70
81) trans-1,4-Dichloro-2-buten	12.38	75	51212	72.747	ug/l #	9
82) 4-Chlorotoluene	12.56	91	2886	0.630	ug/l #	43
83) tert-Butylbenzene	12.97	119	33287	7.651	ug/l #	93
84) 1,2,4-Trimethylbenzene	13.15	105	72279	13.597	ug/l #	32
85) sec-Butylbenzene	13.15	105	72279	12.186	ug/l #	36

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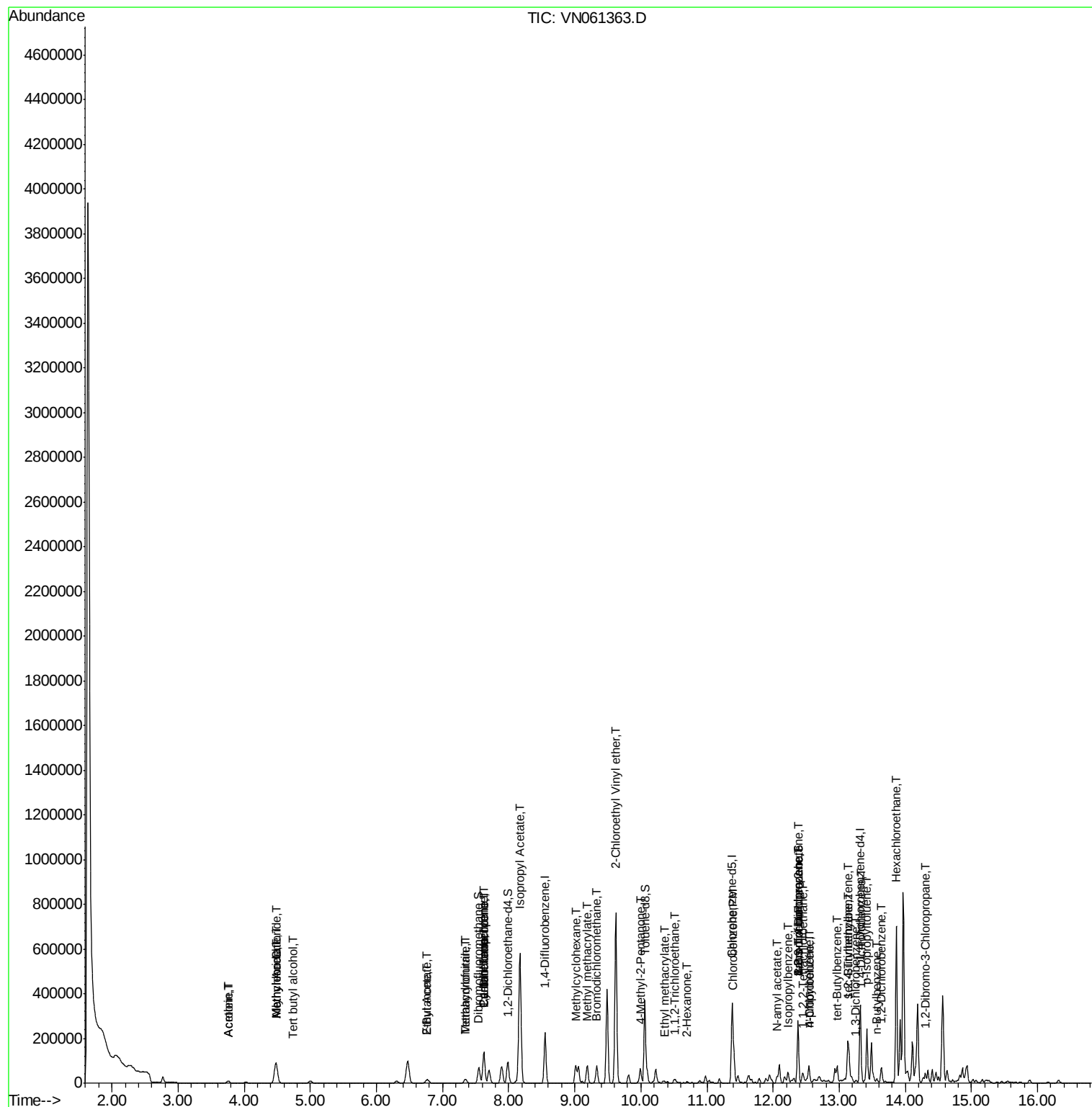
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	13.42	119	124635	23.322	ug/l	97
87) 1,3-Dichlorobenzene	13.26	146	1336	0.504	ug/l #	66
88) 1,4-Dichlorobenzene	13.34	146	2959	1.093	ug/l #	59
89) n-Butylbenzene	13.57	91	2946	0.601	ug/l #	33
90) Hexachloroethane	13.87	117	33724	58.899	ug/l #	14
91) 1,2-Dichlorobenzene	13.63	146	803	0.316	ug/l #	68
92) 1,2-Dibromo-3-Chloropropan	14.30	75	264	0.643	ug/l #	7

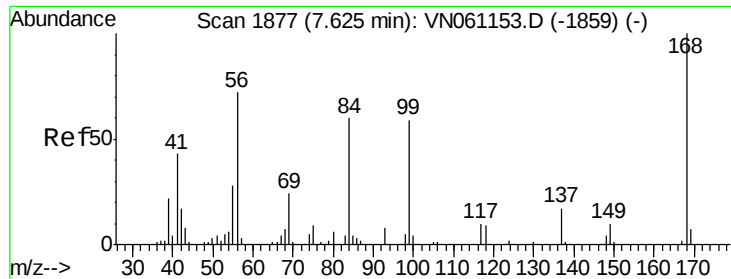
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061363.D

Acq: 8 May 2020 15:46

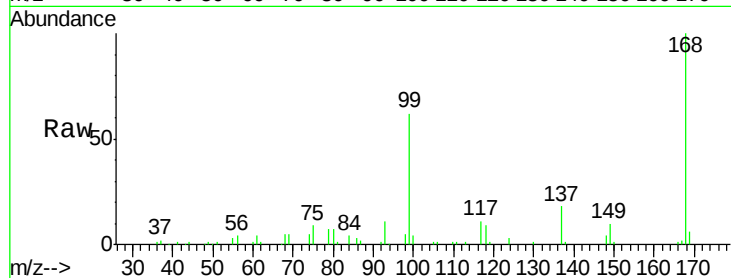
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 103639

Ion Ratio Lower Upper

168 100

99 62.3 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

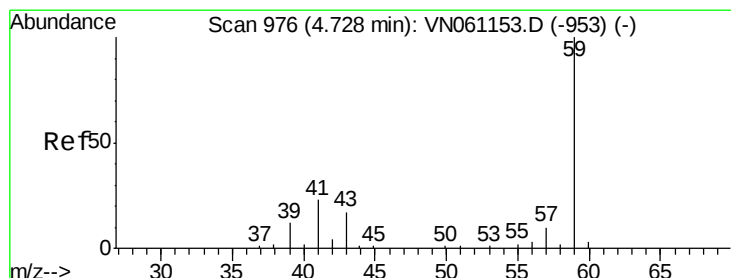
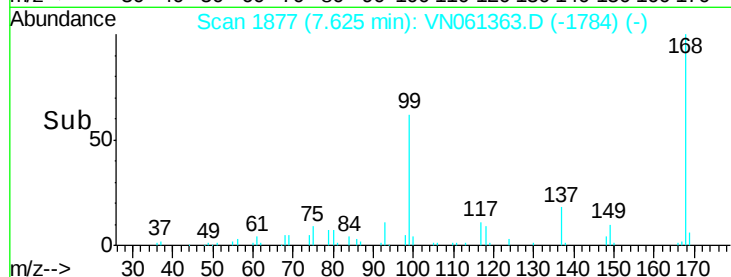
0

Time-->

7.50

7.60

7.70



#11

Tert butyl alcohol

Concen: 2.381 ug/l

RT: 4.73 min Scan# 976

Delta R.T. 0.00 min

Lab File: VN061363.D

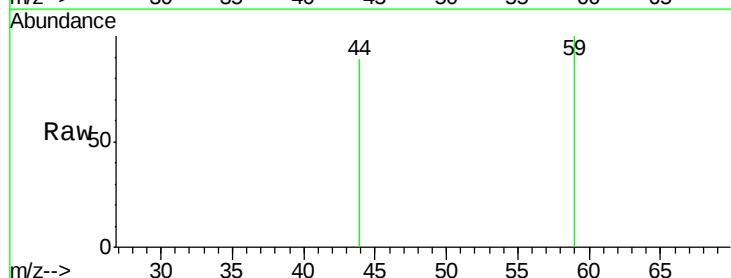
Acq: 8 May 2020 15:46

Tgt Ion: 59 Resp: 523

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.73

400

300

200

100

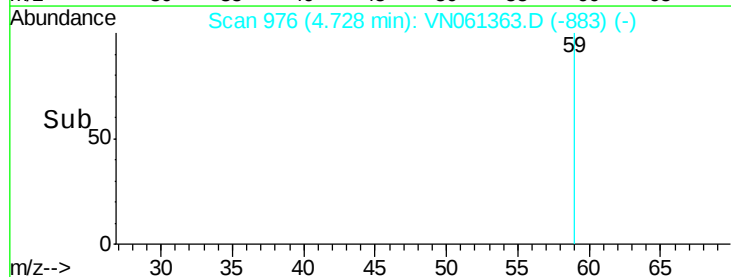
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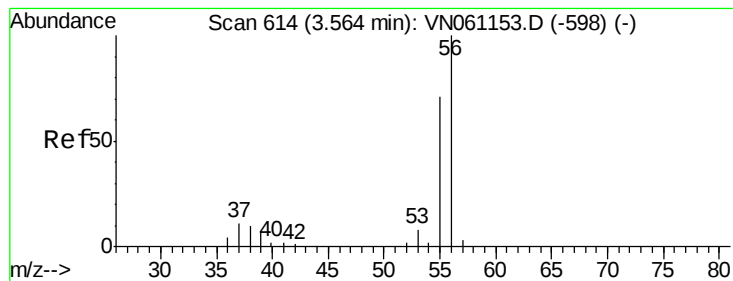
Time-->

4.70

4.72

4.74





#13

Acrolein

Concen: 11.292 ug/l

RT: 3.75 min Scan# 672

Delta R.T. 0.19 min

Lab File: VN061363.D

Acq: 8 May 2020 15:46

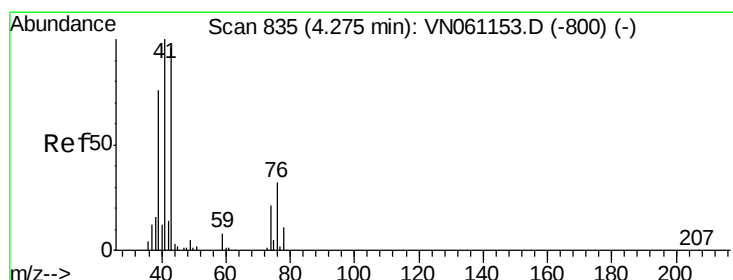
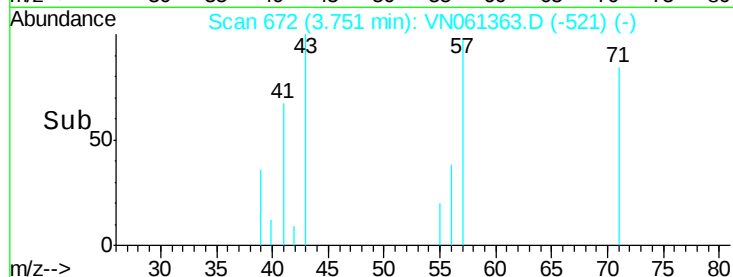
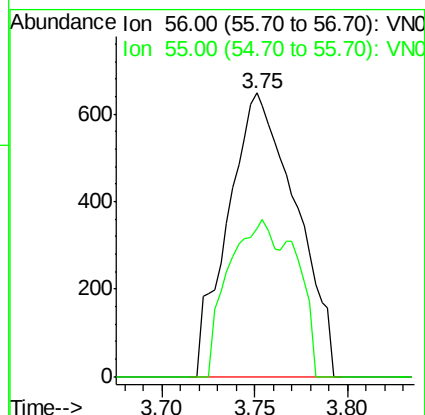
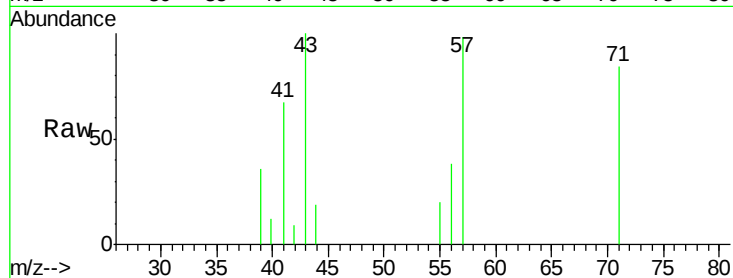
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 1653

Ion Ratio Lower Upper

56 100

55 39.8 58.5 87.7#



#14

Allyl chloride

Concen: 22.058 ug/l

RT: 4.48 min Scan# 898

Delta R.T. 0.20 min

Lab File: VN061363.D

Acq: 8 May 2020 15:46

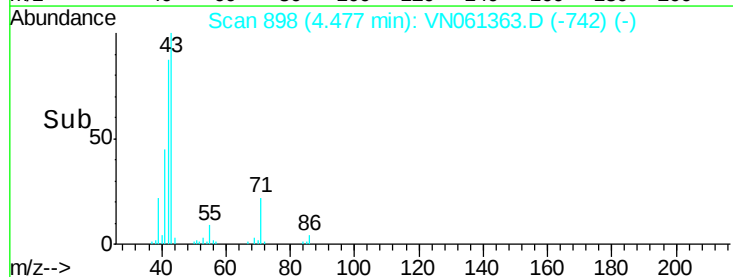
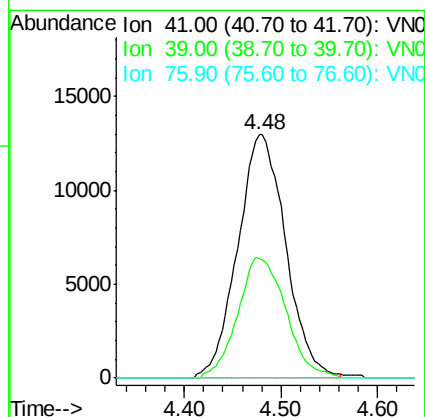
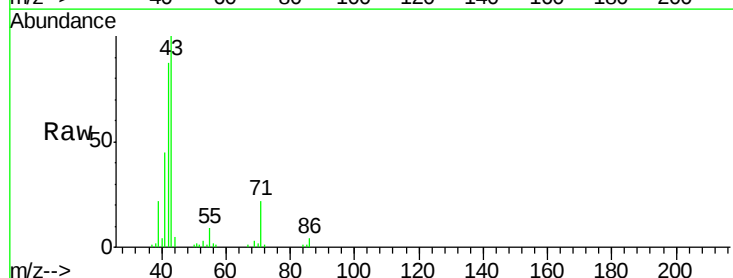
Tgt Ion: 41 Resp: 44723

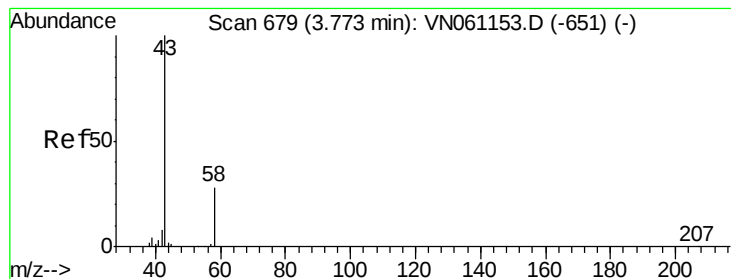
Ion Ratio Lower Upper

41 100

39 49.6 57.1 85.7#

76 0.0 24.3 36.5#





#16

Acetone

Concen: 5.295 ug/l

RT: 3.76 min Scan# 676

Delta R.T. -0.01 min

Lab File: VN061363.D

Acq: 8 May 2020 15:46

Instrument :

MSVOA_N

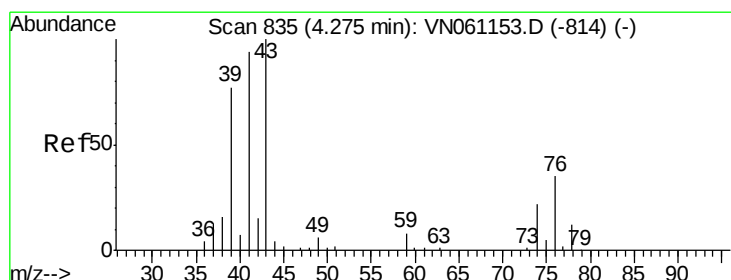
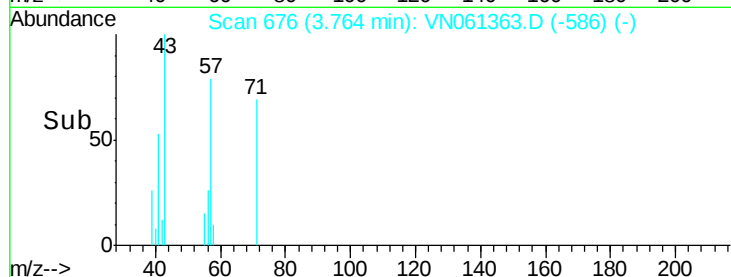
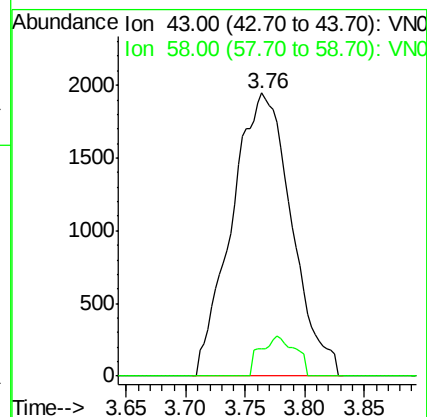
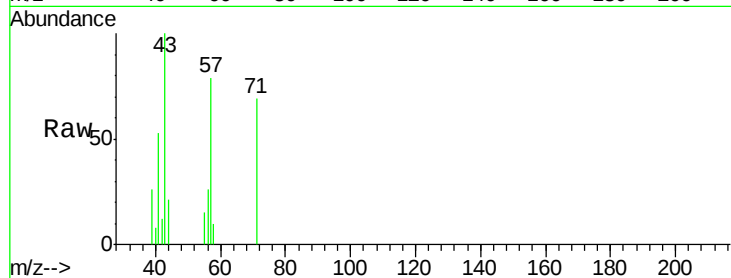
ClientSampleId :

Tot Ion: 43 Resp: 6788

Ion Ratio Lower Upper

43 100

58 9.6 22.2 33.2#



#18

Methyl Acetate

Concen: 47.738 ug/l

RT: 4.48 min Scan# 898

Delta R.T. 0.20 min

Lab File: VN061363.D

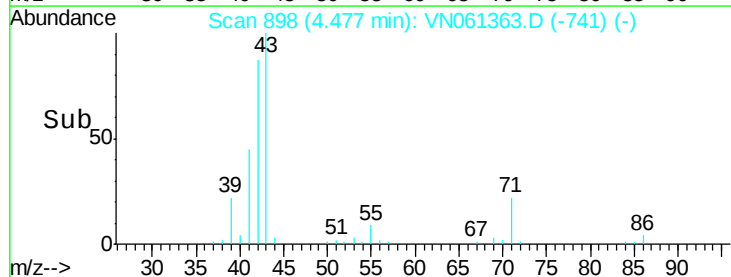
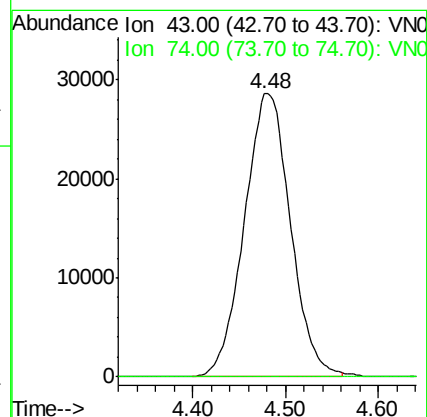
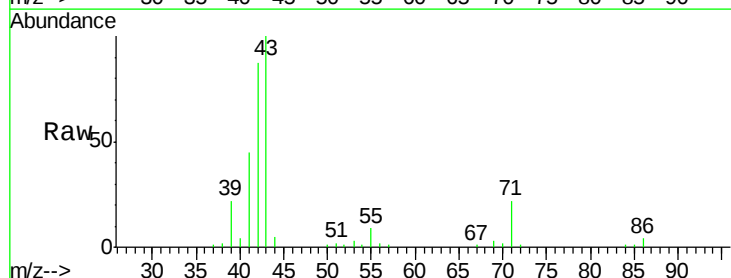
Acq: 8 May 2020 15:46

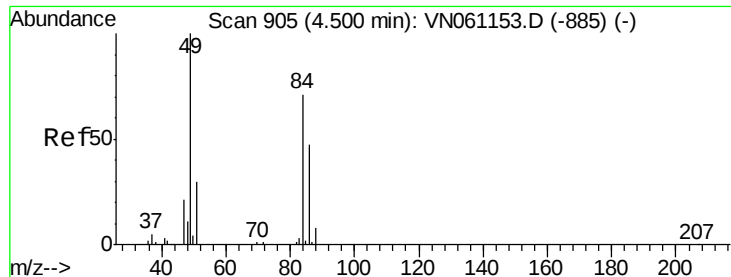
Tgt Ion: 43 Resp: 98756

Ion Ratio Lower Upper

43 100

74 0.0 17.0 25.4#





#20

Methvlene Chloride

Concen: 0.243 ug/l

RT: 4.47 min Scan# 896

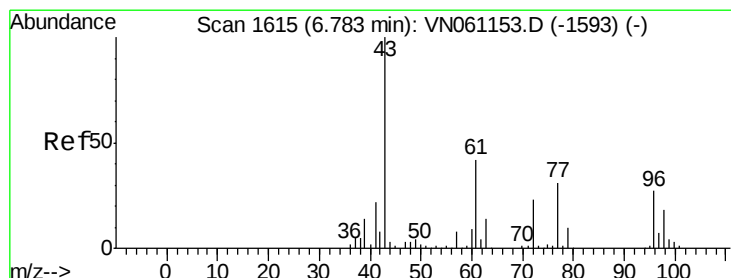
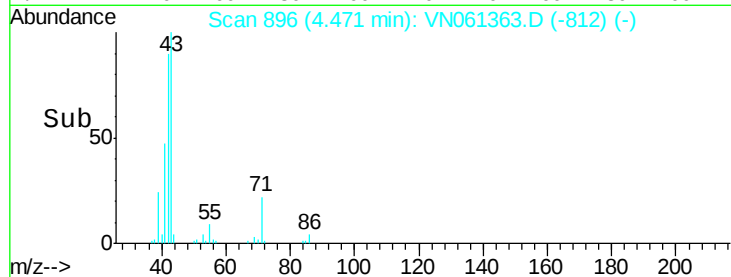
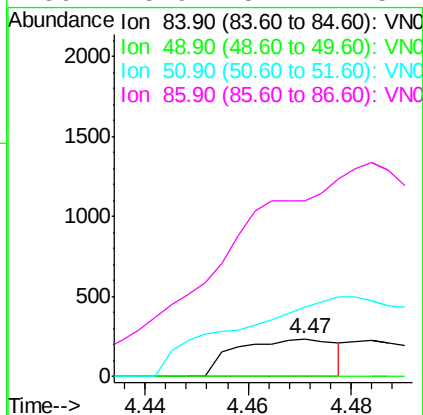
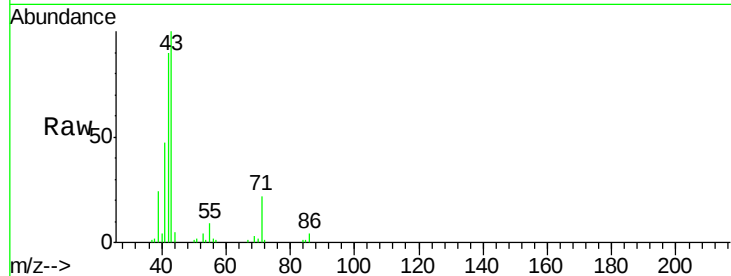
Delta R.T. -0.03 min

Lab File: VN061363.D

Acq: 8 May 2020 15:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	84	Resp:	311
Ion	Ratio	Lower	Upper
84	100		
49	0.0	112.0	168.0#
51	87.6	33.6	50.4#
86	248.9	52.1	78.1#



#25

2-Butanone

Concen: 9.118 ug/l

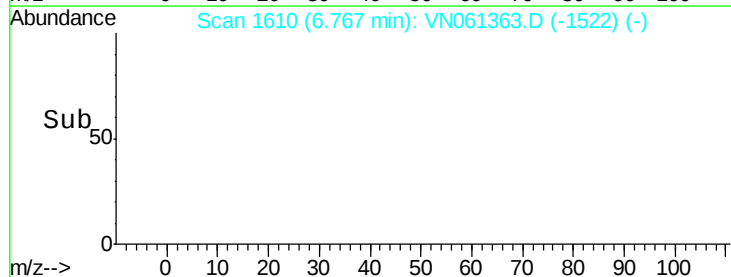
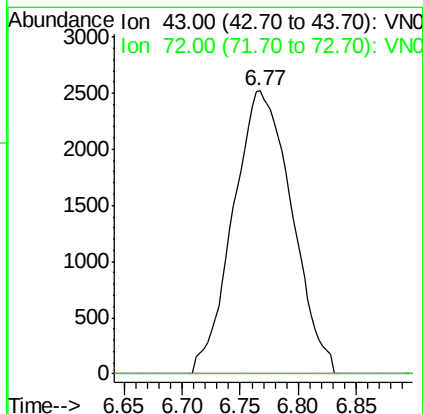
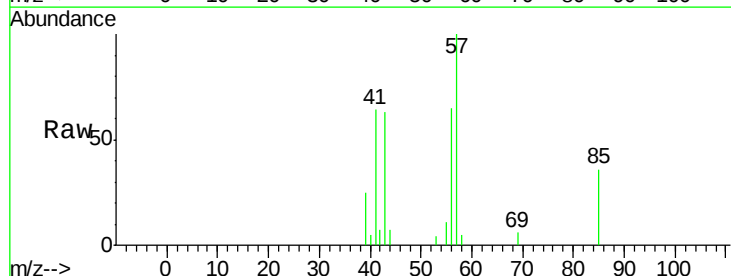
RT: 6.77 min Scan# 1610

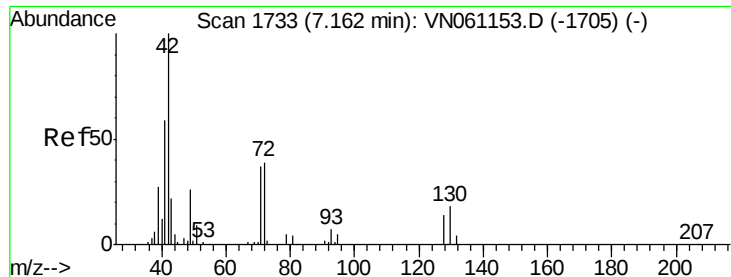
Delta R.T. -0.02 min

Lab File: VN061363.D

Acq: 8 May 2020 15:46

Tgt Ion:	43	Resp:	8848
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.2	27.4#

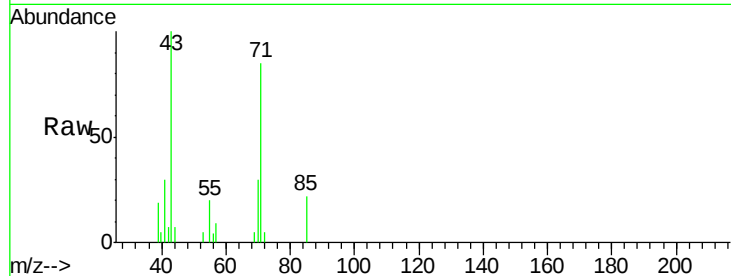




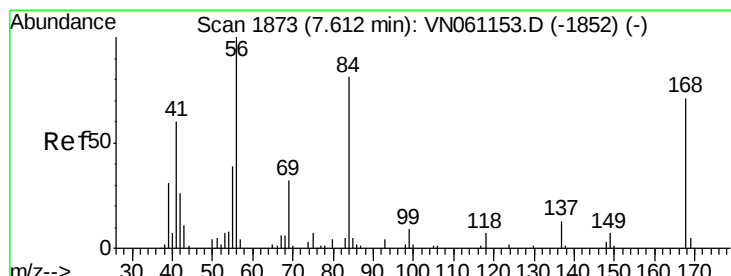
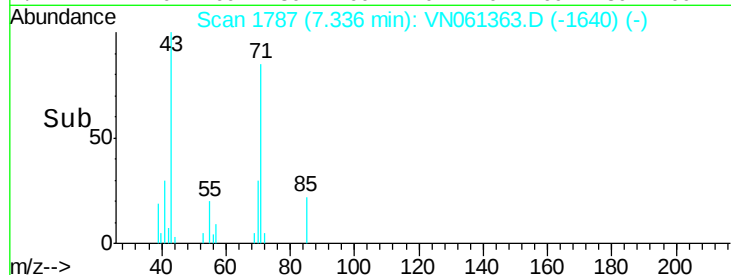
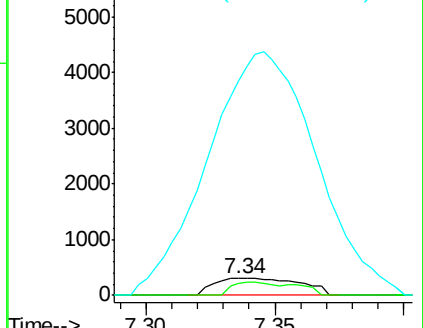
#29
Tetrahydrofuran
Concen: 1.097 ug/l
RT: 7.34 min Scan# 1787
Delta R.T. 0.17 min
Lab File: VN061363.D
Acq: 8 May 2020 15:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 717
Ion Ratio Lower Upper
42 100
72 39.2 31.4 47.0
71 1788.1 29.5 44.3#

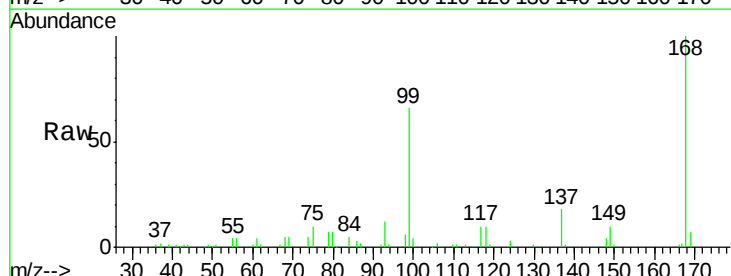


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

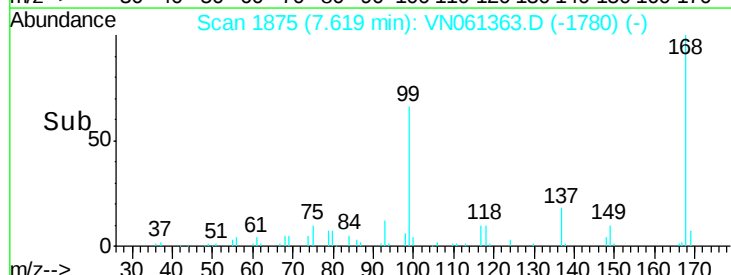
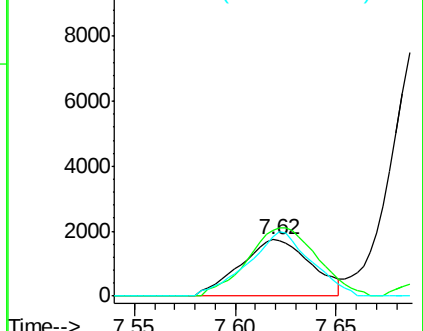


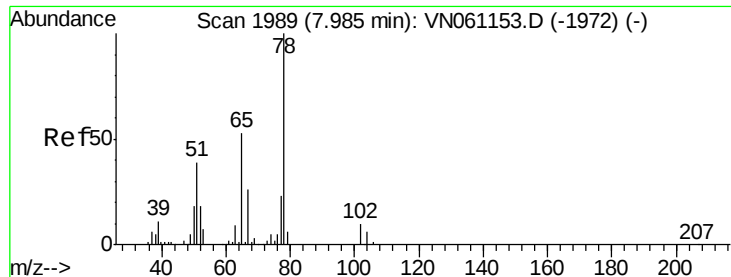
#31
Cyclohexane
Concen: 1.783 ug/l
RT: 7.62 min Scan# 1875
Delta R.T. 0.01 min
Lab File: VN061363.D
Acq: 8 May 2020 15:46

Tgt Ion: 56 Resp: 4253
Ion Ratio Lower Upper
56 100
69 117.8 25.7 38.5#
84 106.6 64.6 97.0#



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





#33

1,2-Dichloroethane-d4

Concen: 51.636 ug/l

RT: 7.99 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN061363.D

Acq: 8 May 2020 15:46

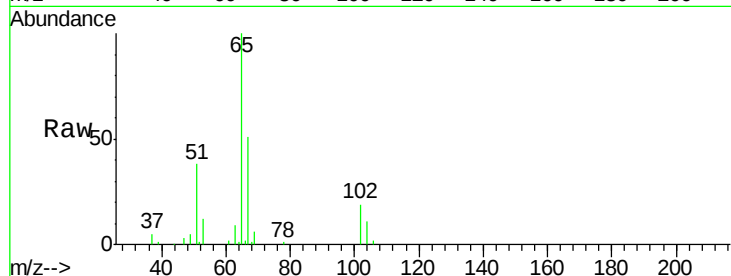
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 84678

Ion Ratio Lower Upper

65 100

67 50.5 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN061363.D (-1896) (-)

Ion 66.90 (66.60 to 67.60): VN061363.D (-1896) (-)

7.99

40000

30000

20000

10000

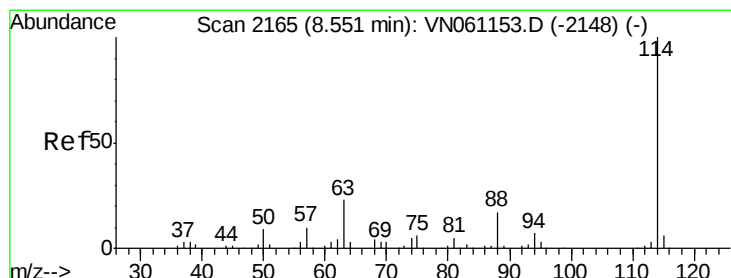
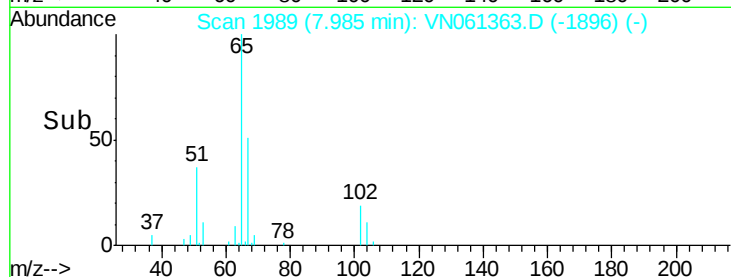
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Time-->

7.90

8.00

8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VN061363.D

Acq: 8 May 2020 15:46

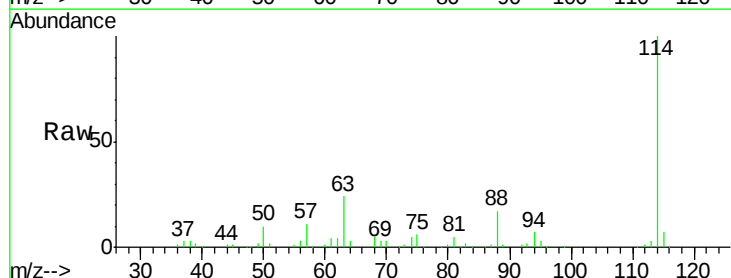
Tgt Ion: 114 Resp: 188194

Ion Ratio Lower Upper

114 100

63 24.2 0.0 46.6

88 16.6 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): VN061363.D (-2072) (-)

Ion 63.00 (62.70 to 63.70): VN061363.D (-2072) (-)

Ion 87.90 (87.60 to 88.60): VN061363.D (-2072) (-)

8.55

120000

100000

80000

60000

40000

20000

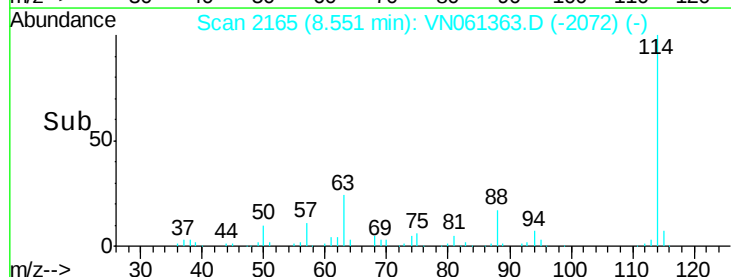
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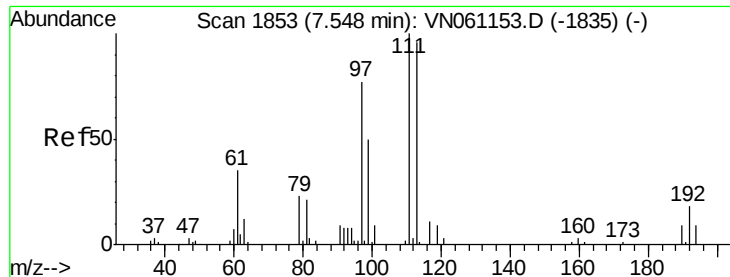
Time-->

8.50

8.60

8.70

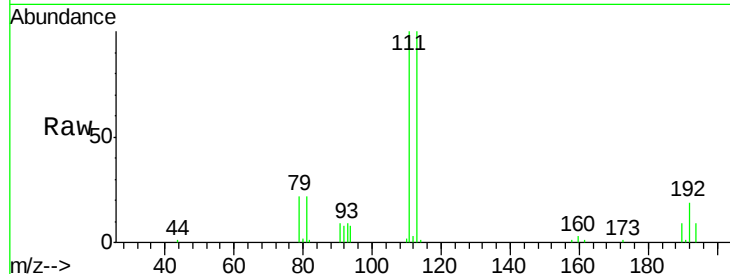




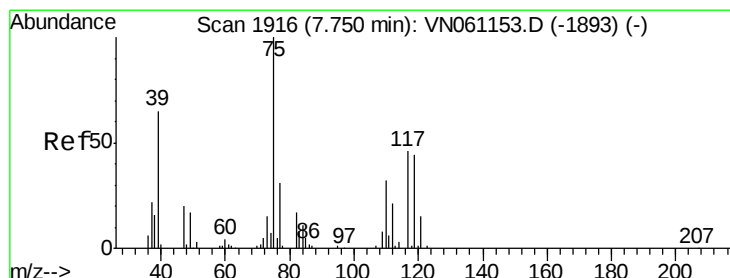
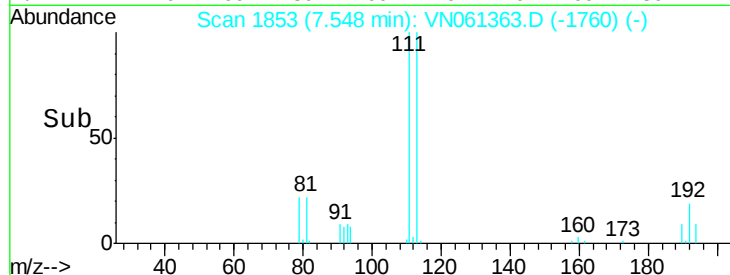
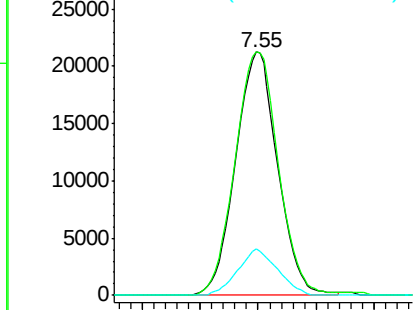
#35
Dibromofluoromethane
Concen: 48.084 ug/l
RT: 7.55 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN061363.D
Acq: 8 May 2020 15:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:113 Resp: 53510
Ion Ratio Lower Upper
113 100
111 103.1 82.9 124.3
192 18.0 14.7 22.1

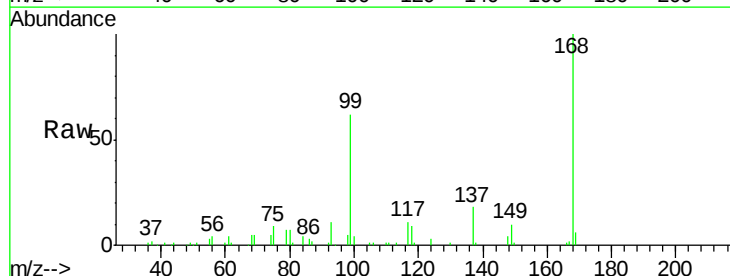


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

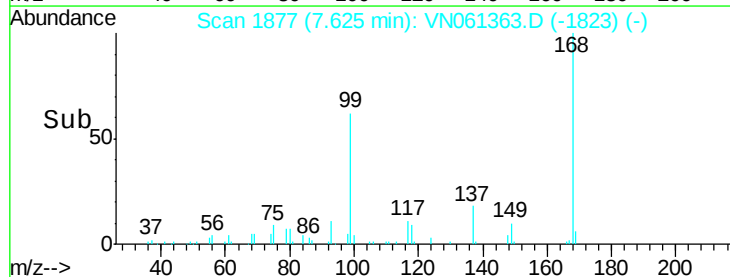
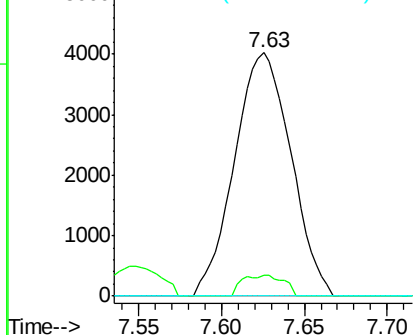


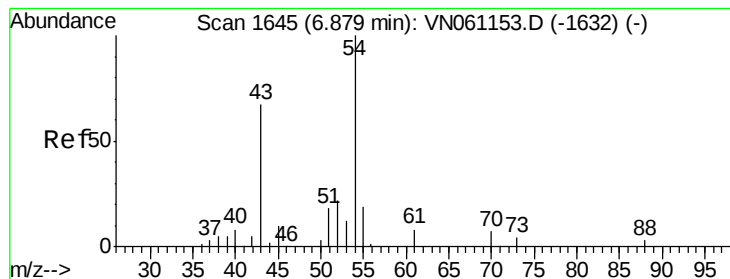
#36
1,1-Dichloropropene
Concen: 5.052 ug/l
RT: 7.63 min Scan# 1877
Delta R.T. -0.13 min
Lab File: VN061363.D
Acq: 8 May 2020 15:46

Tgt Ion: 75 Resp: 9517
Ion Ratio Lower Upper
75 100
110 6.4 16.0 48.0#
77 0.0 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: 4.006 ug/l

RT: 6.77 min Scan# 1610

Delta R.T. -0.11 min

Lab File: VN061363.D

Acq: 8 May 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

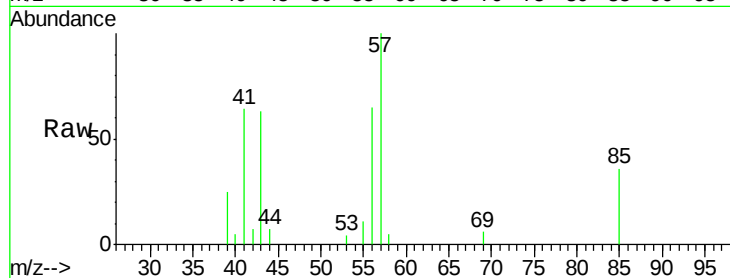
Tot Ion: 43 Resp: 8848

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.2#

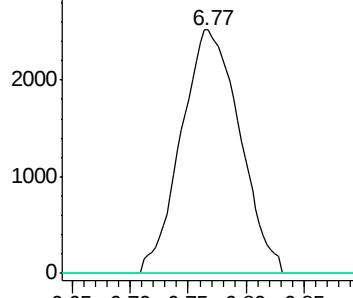
70 0.0 7.2 10.8#



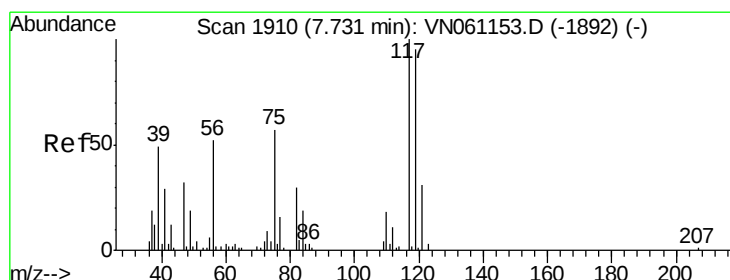
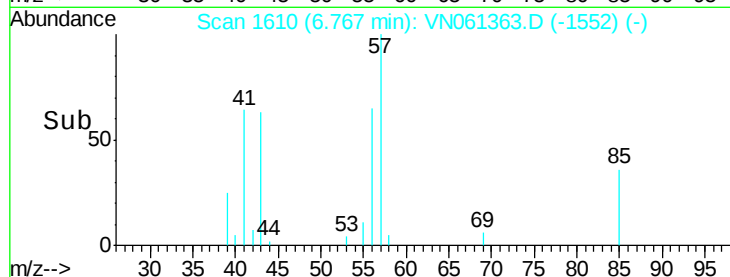
Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-1632) (-)

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

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



Time-->



#38

Carbon Tetrachloride

Concen: 8.581 ug/l

RT: 7.63 min Scan# 1878

Delta R.T. -0.10 min

Lab File: VN061363.D

Acq: 8 May 2020 15:46

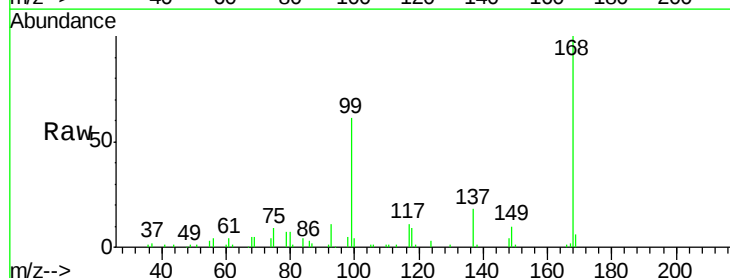
Tgt Ion: 117 Resp: 11338

Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.6#

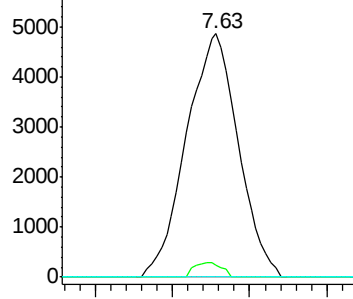
121 0.0 24.7 37.1#



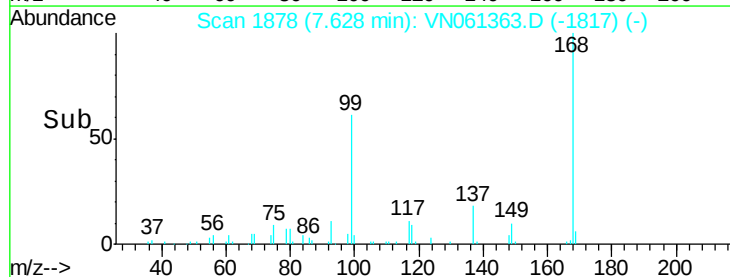
Abundance Ion 116.80 (116.50 to 117.50): VN061153.D (-1892) (-)

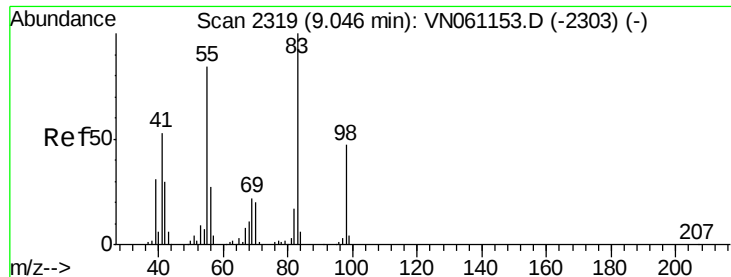
Ion 118.80 (118.50 to 119.50): VN061153.D (-1892) (-)

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



Time-->

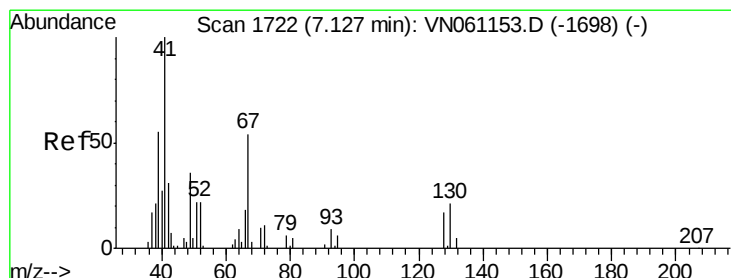
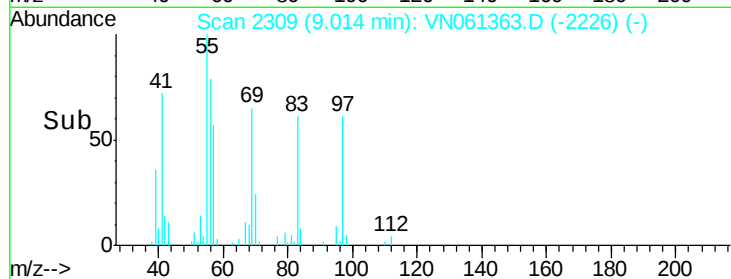
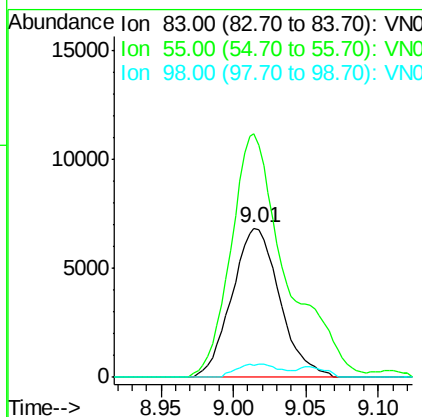
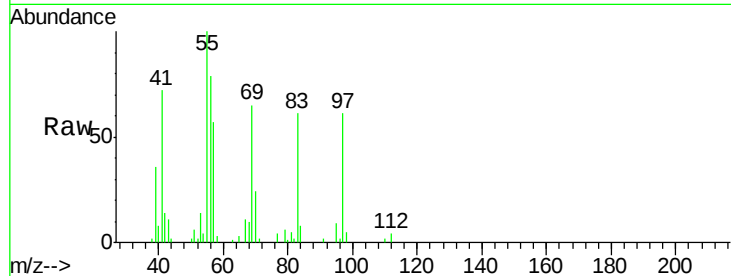




#39
Methvlcvclohexane
Concen: 7.431 ug/l
RT: 9.01 min Scan# 2309
Delta R.T. -0.03 min
Lab File: VN061363.D
Acq: 8 May 2020 15:46

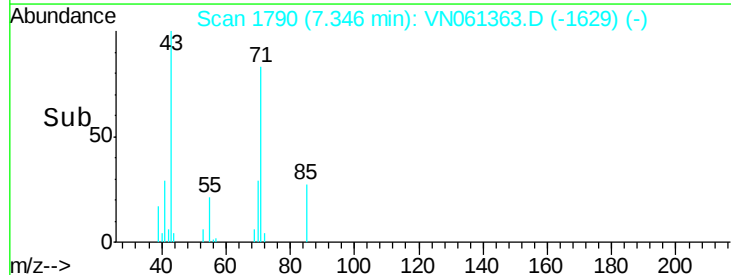
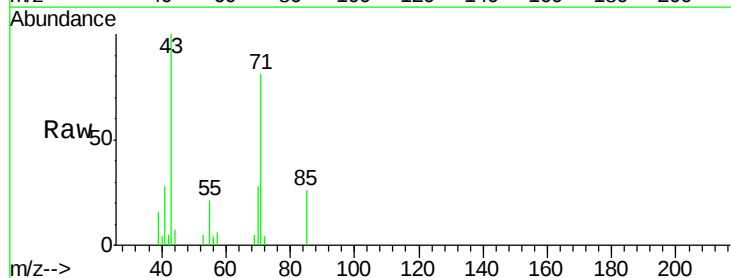
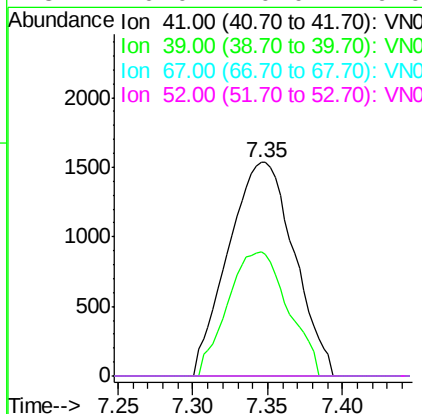
Instrument :
MSVOA_N
ClientSampleId :

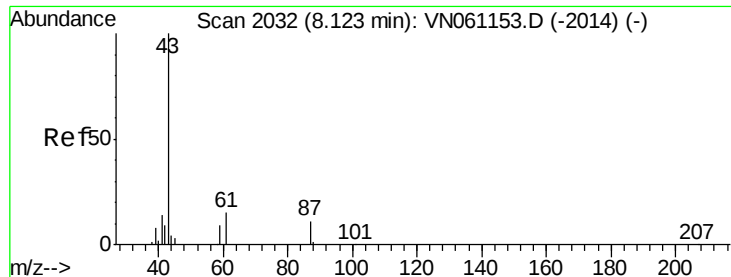
Tot Ion: 83 Resp: 15700
Ion Ratio Lower Upper
83 100
55 162.9 67.3 100.9#
98 8.4 37.7 56.5#



#41
Methacrylonitrile
Concen: 5.133 ug/l
RT: 7.35 min Scan# 1790
Delta R.T. 0.22 min
Lab File: VN061363.D
Acq: 8 May 2020 15:46

Tgt Ion: 41 Resp: 4707
Ion Ratio Lower Upper
41 100
39 53.0 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0





#43

Isopropyl Acetate

Concen: 34.243 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.05 min

Lab File: VN061363.D

Acq: 8 May 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

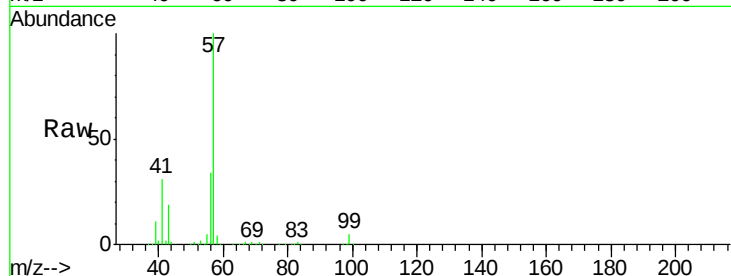
Tot Ion: 43 Resp: 125513

Ion Ratio Lower Upper

43 100

61 0.0 19.5 29.3#

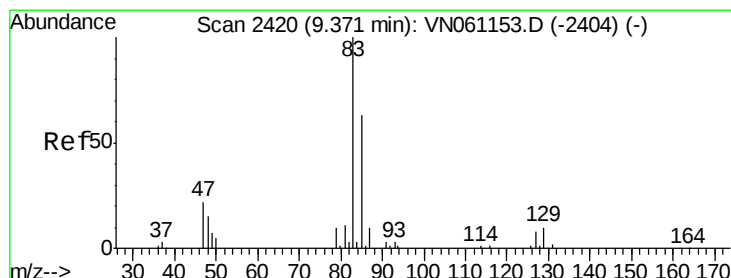
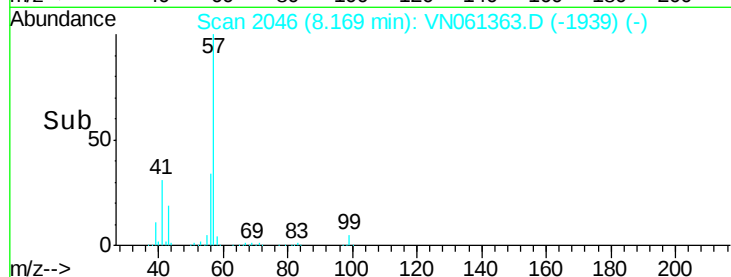
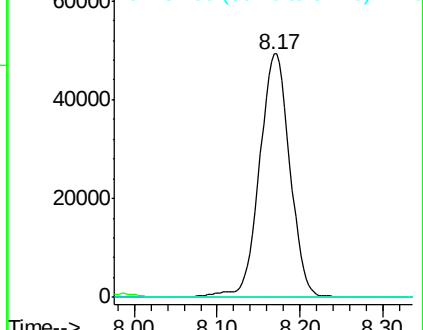
87 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#47

Bromodichloromethane

Concen: 0.860 ug/l

RT: 9.33 min Scan# 2408

Delta R.T. -0.04 min

Lab File: VN061363.D

Acq: 8 May 2020 15:46

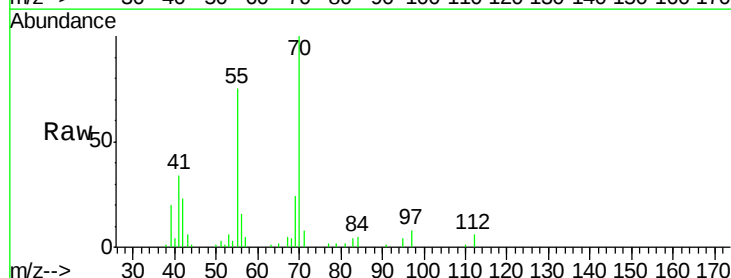
Tgt Ion: 83 Resp: 1714

Ion Ratio Lower Upper

83 100

85 0.0 50.4 75.6#

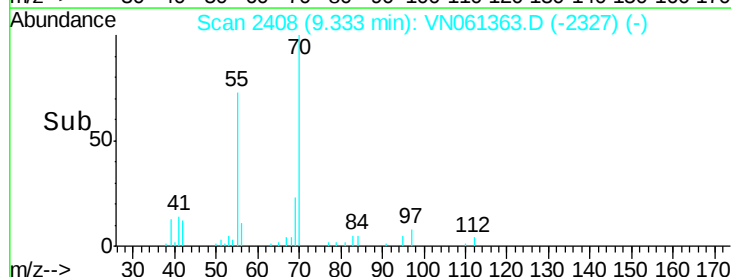
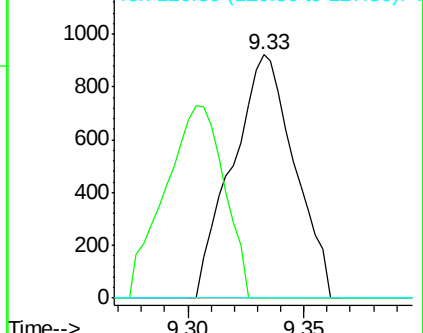
127 0.0 6.2 9.2#

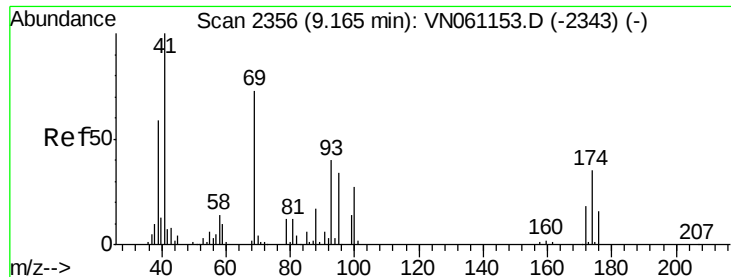


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

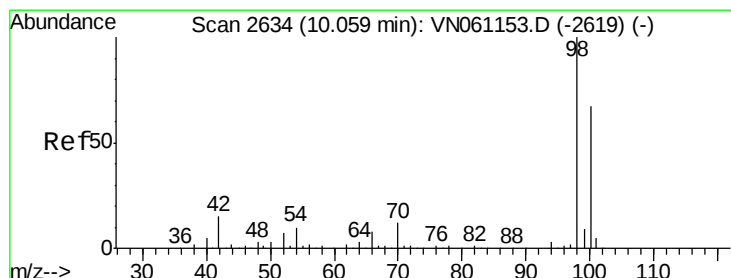
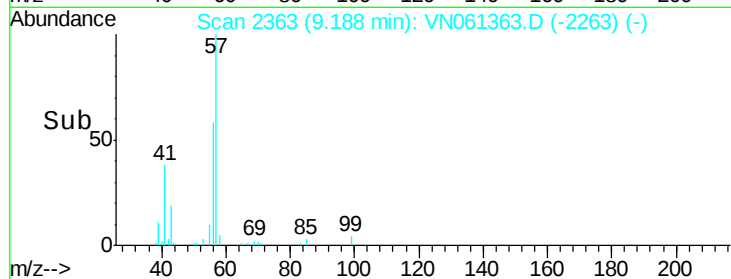
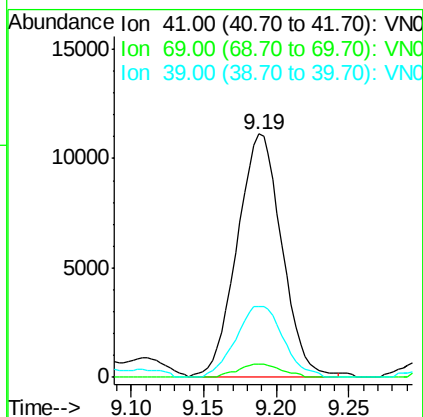
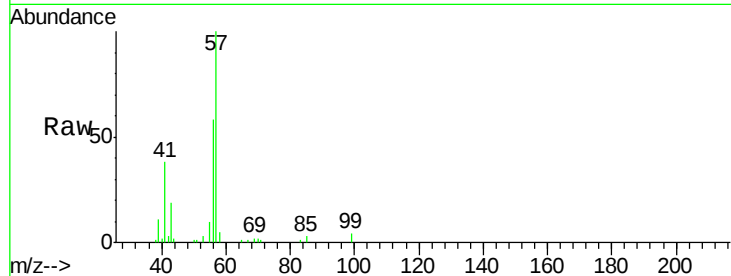




#48
Methvl methacrylate
Concen: 14.457 ug/l
RT: 9.19 min Scan# 2363
Delta R.T. 0.02 min
Lab File: VN061363.D
Acq: 8 May 2020 15:46

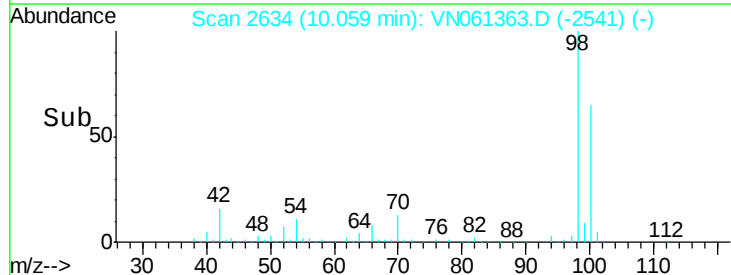
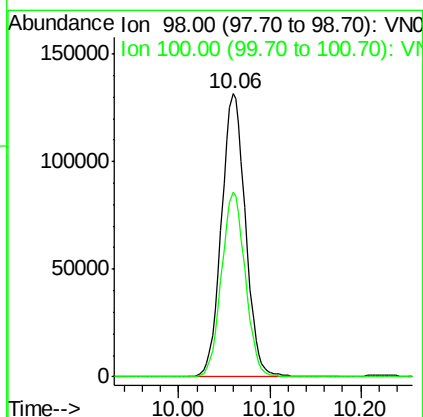
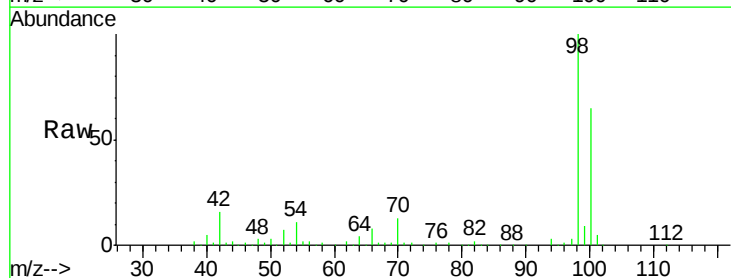
Instrument :
MSVOA_N
ClientSampled :

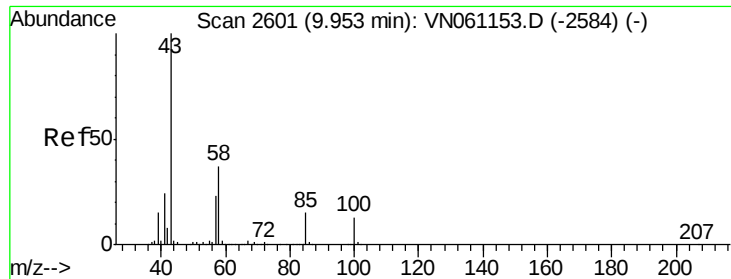
Tot Ion: 41 Resp: 23912
Ion Ratio Lower Upper
41 100
69 5.4 60.3 90.5#
39 30.9 47.4 71.0#



#50
Toluene-d8
Concen: 53.136 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061363.D
Acq: 8 May 2020 15:46

Tgt Ion: 98 Resp: 241052
Ion Ratio Lower Upper
98 100
100 64.6 53.4 80.0

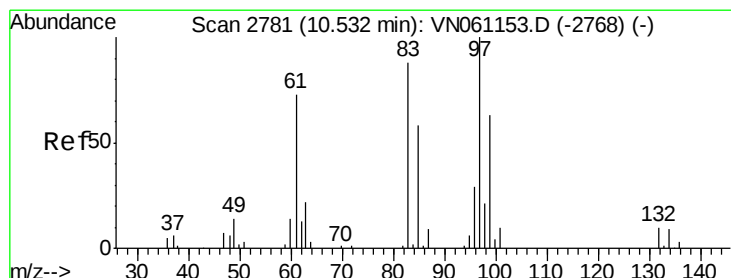
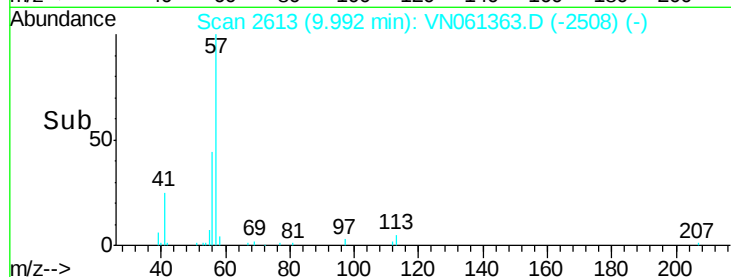
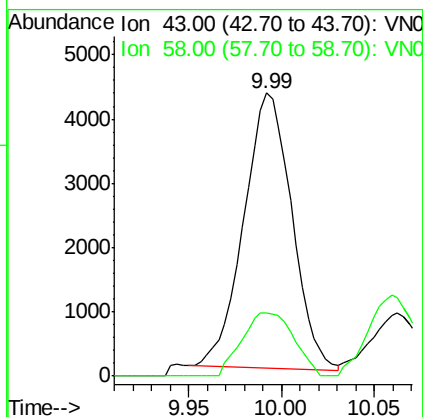
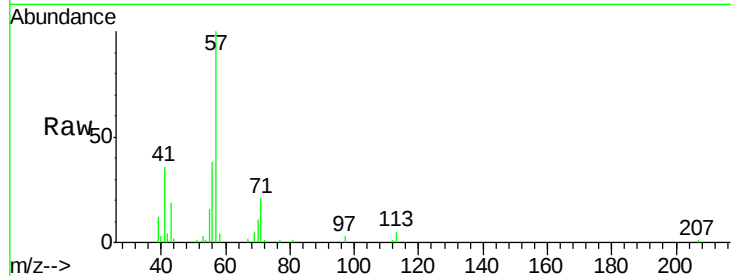




#51
 4-Methyl-2-Pentanone
 Concen: 3.576 ug/l
 RT: 9.99 min Scan# 2613
 Delta R.T. 0.04 min
 Lab File: VN061363.D
 Acq: 8 May 2020 15:46

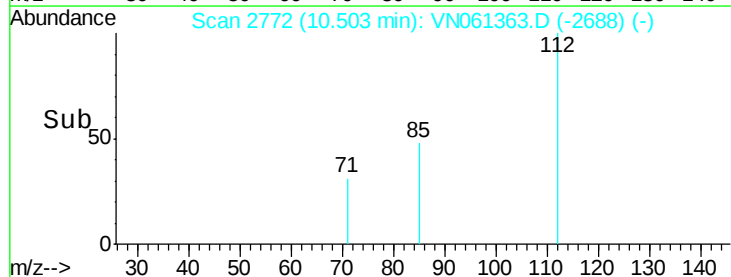
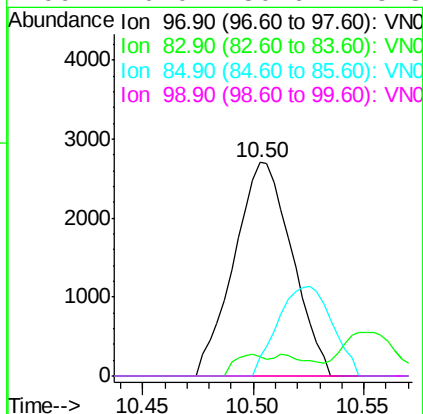
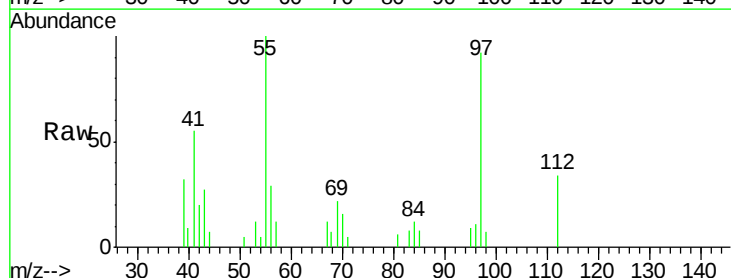
Instrument :
 MSVOA_N
 ClientSampleId :

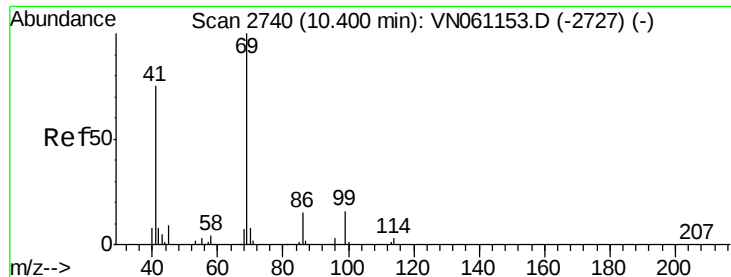
Tot Ion: 43 Resp: 7716
 Ion Ratio Lower Upper
 43 100
 58 24.7 29.1 43.7#



#55
 1,1,2-Trichloroethane
 Concen: 3.647 ug/l
 RT: 10.50 min Scan# 2772
 Delta R.T. -0.03 min
 Lab File: VN061363.D
 Acq: 8 May 2020 15:46

Tgt Ion: 97 Resp: 4918
 Ion Ratio Lower Upper
 97 100
 83 8.8 70.6 106.0#
 85 8.9 46.4 69.6#
 99 0.0 50.6 75.8#





#56

Ethyl methacrylate

Concen: 3.245 ug/l

RT: 10.36 min Scan# 2729

Delta R.T. -0.03 min

Lab File: VN061363.D

Acq: 8 May 2020 15:46

Instrument :

MSVOA_N

ClientSampled :

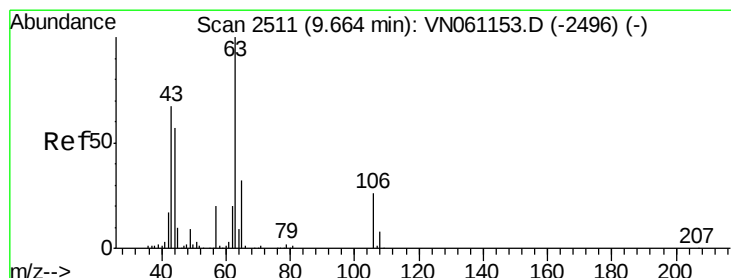
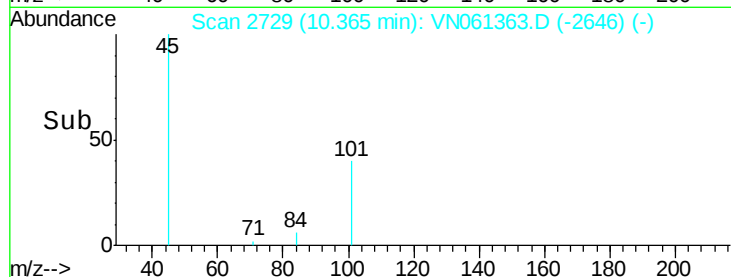
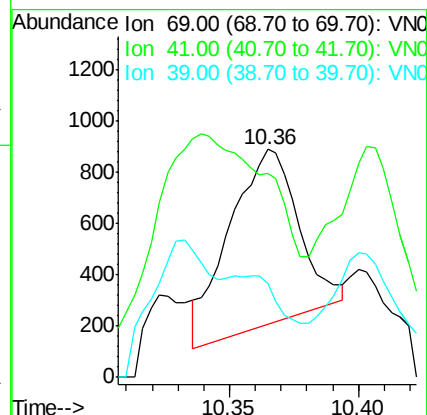
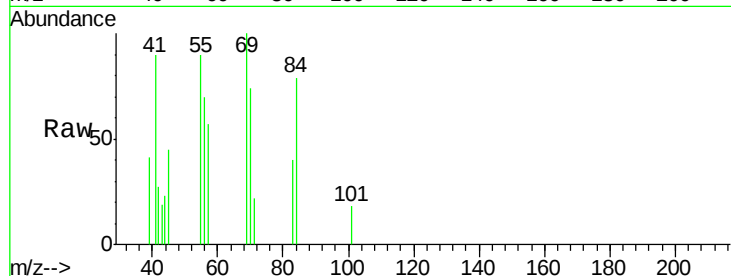
Tot Ion: 69 Resp: 1288

Ion Ratio Lower Upper

69 100

41 0.0 60.3 90.5#

39 0.0 35.9 53.9#



#58

2-Chloroethyl Vinyl ether

Concen: 1.013 ug/l

RT: 9.62 min Scan# 2496

Delta R.T. -0.05 min

Lab File: VN061363.D

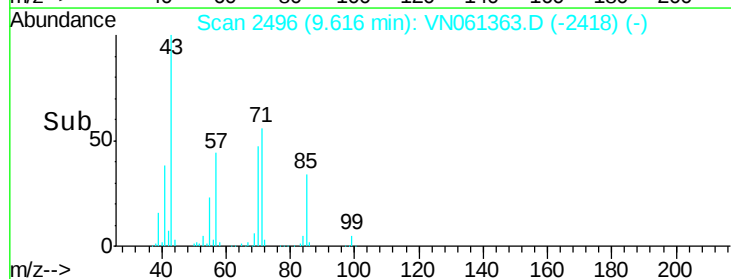
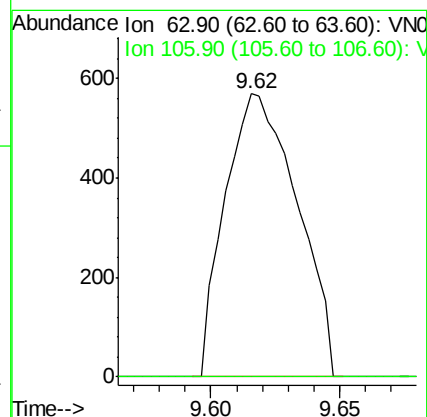
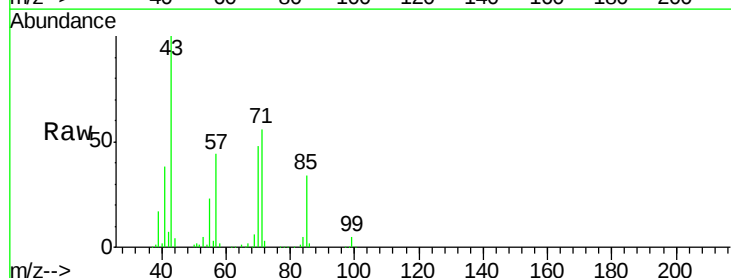
Acq: 8 May 2020 15:46

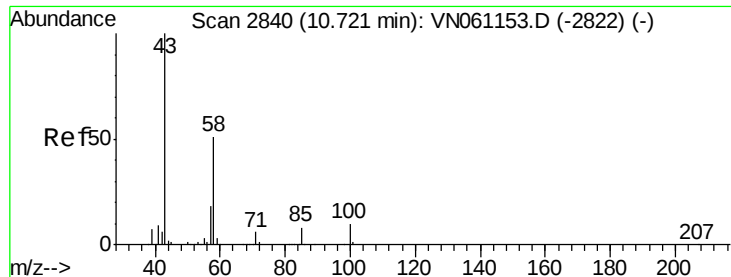
Tgt Ion: 63 Resp: 1106

Ion Ratio Lower Upper

63 100

106 0.0 20.6 30.8#

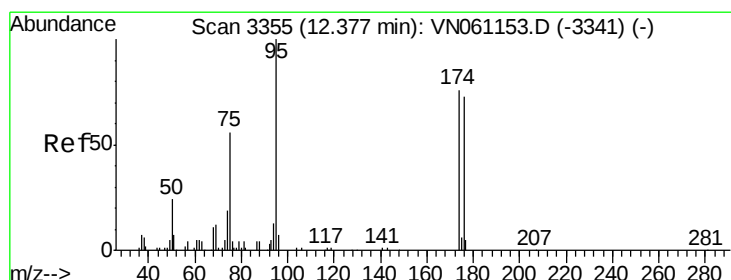
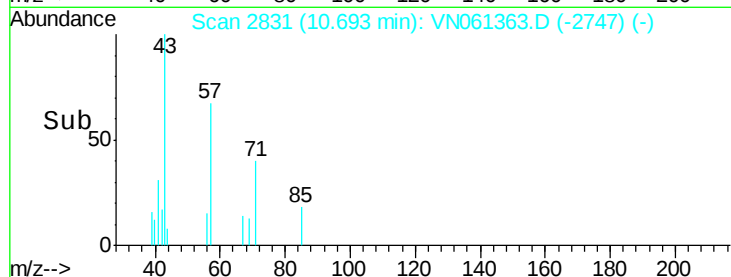
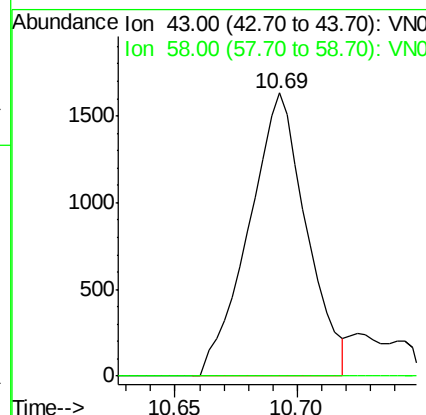
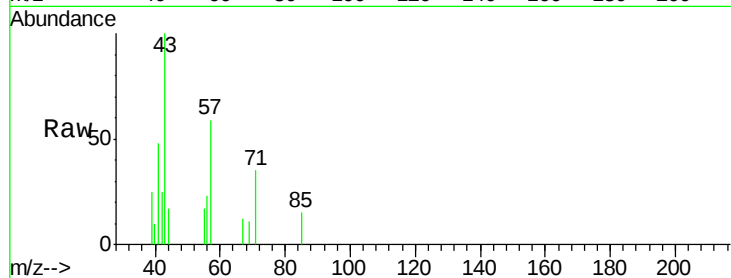




#59
2-Hexanone
Concen: 1.702 ug/l
RT: 10.69 min Scan# 2831
Delta R.T. -0.03 min
Lab File: VN061363.D
Acq: 8 May 2020 15:46

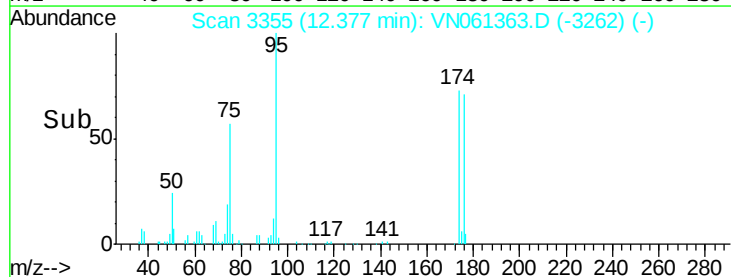
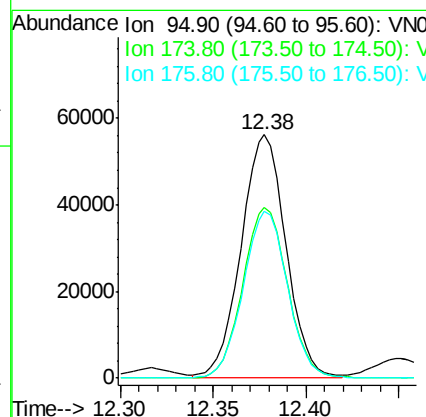
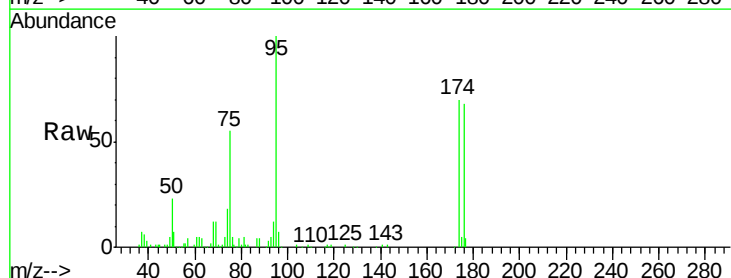
Instrument :
MSVOA_N
ClientSampleId :

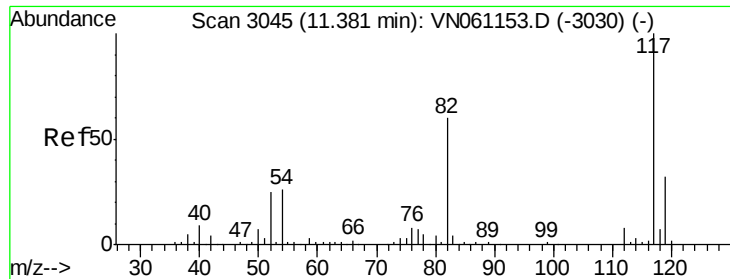
Tot Ion: 43 Resp: 2671
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.4#



#62
4-Bromofluorobenzene
Concen: 55.167 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VN061363.D
Acq: 8 May 2020 15:46

Tgt Ion: 95 Resp: 94179
Ion Ratio Lower Upper
95 100
174 70.3 0.0 149.4
176 68.2 0.0 144.8

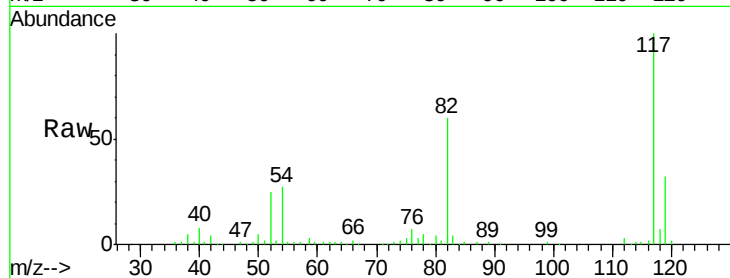




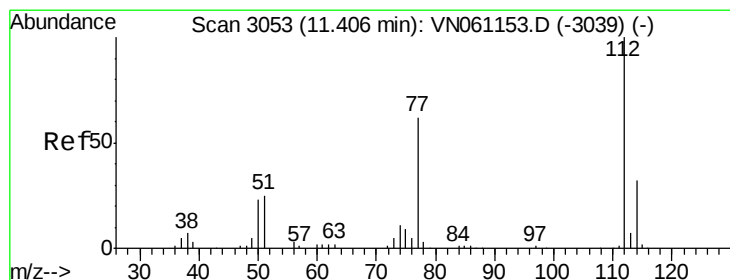
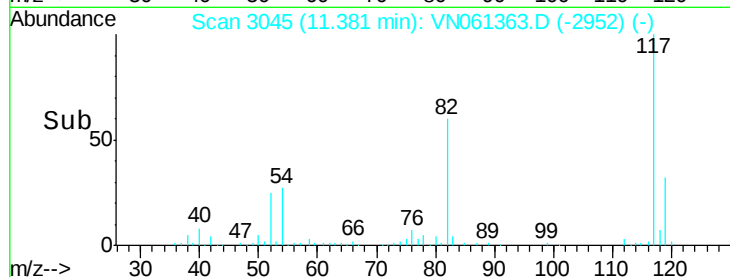
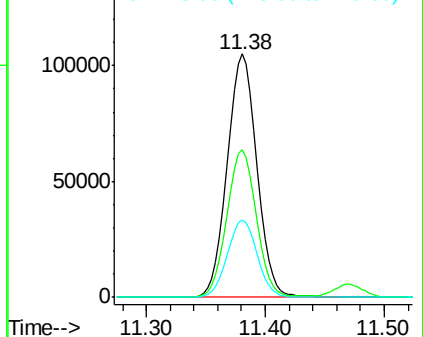
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061363.D
Acq: 8 May 2020 15:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 181588
Ion Ratio Lower Upper
117 100
82 60.4 47.8 71.8
119 31.9 25.8 38.6

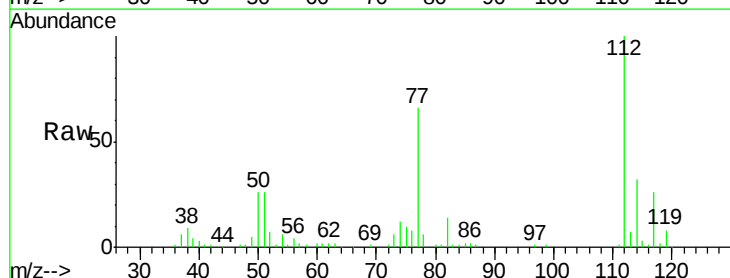


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

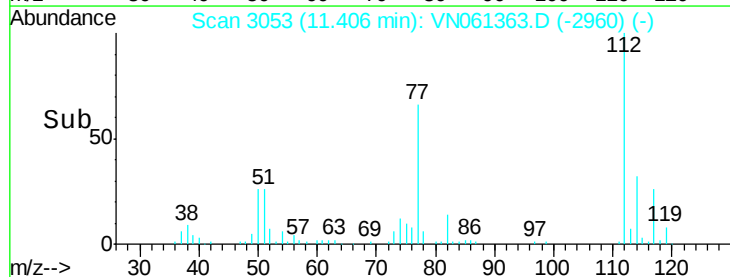
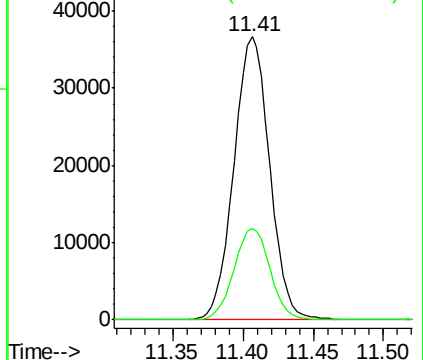


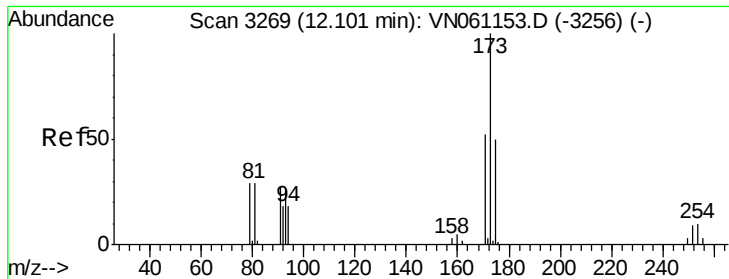
#65
Chlorobenzene
Concen: 18.116 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061363.D
Acq: 8 May 2020 15:46

Tgt Ion:112 Resp: 65256
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#71

Bromoform

Concen: 0.321 ug/l

RT: 12.37 min Scan# 3353

Delta R.T. 0.27 min

Lab File: VN061363.D

Acq: 8 May 2020 15:46

Instrument :

MSVOA_N

ClientSampled :

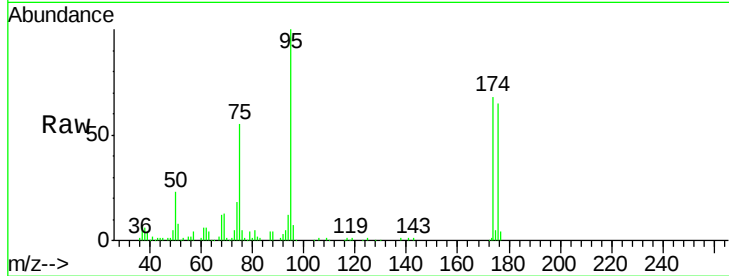
Tot Ion:173 Resp: 304

Ion Ratio Lower Upper

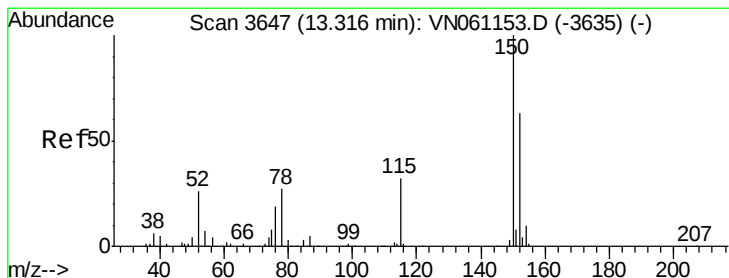
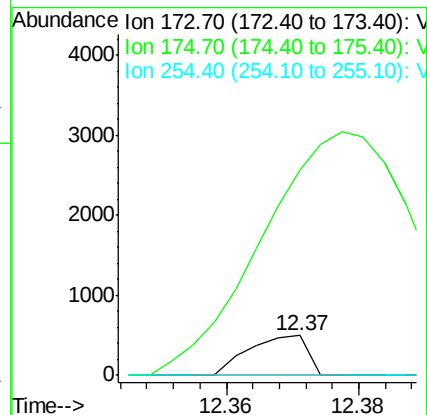
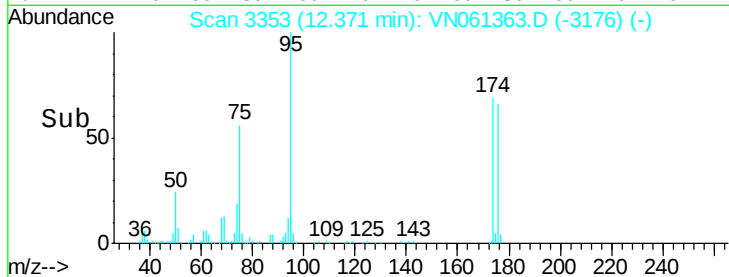
173 100

175 1412.8 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: VN061363.D

Acq: 8 May 2020 15:46

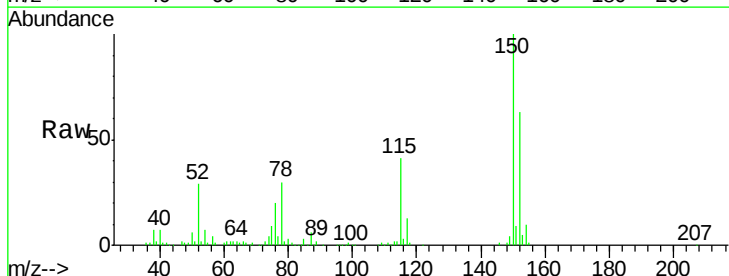
Tgt Ion:152 Resp: 84796

Ion Ratio Lower Upper

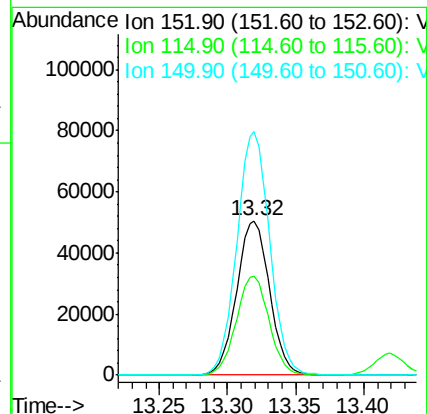
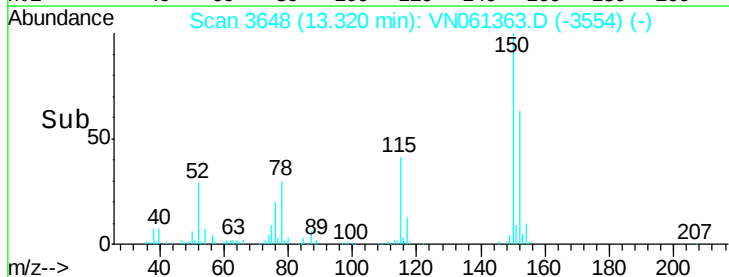
152 100

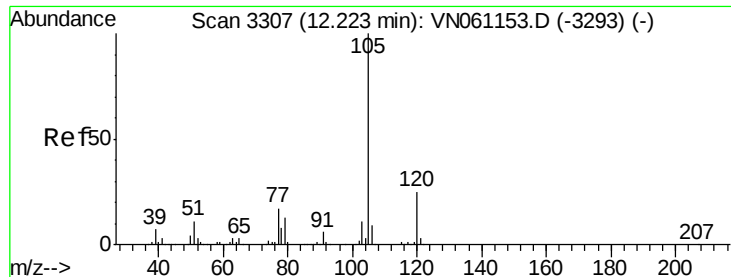
115 63.7 31.0 93.0

150 157.2 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: 4.227 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061363.D

Acq: 8 May 2020 15:46

Instrument :

MSVOA_N

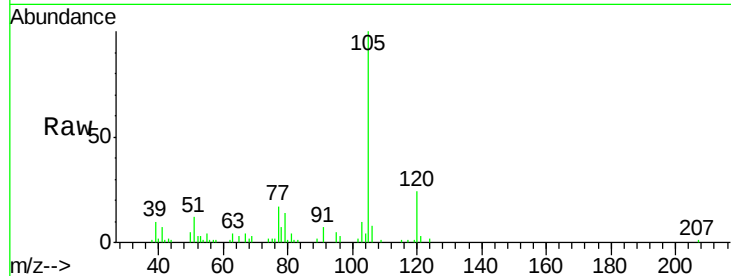
ClientSampled :

Tot Ion:105 Resp: 26353

Ion Ratio Lower Upper

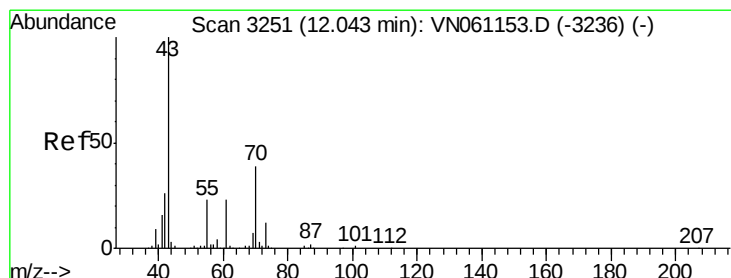
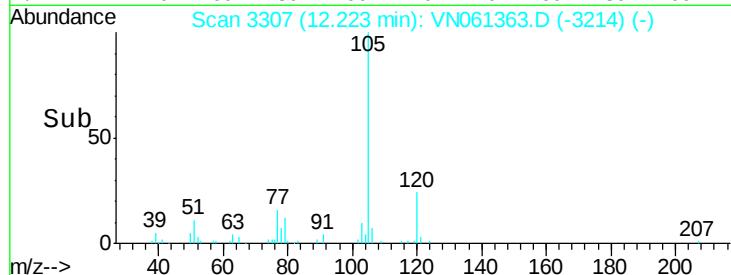
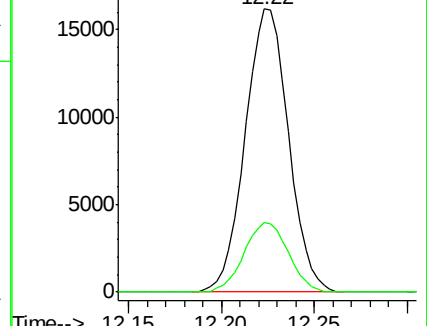
105 100

120 25.0 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.487 ug/l

RT: 12.06 min Scan# 3255

Delta R.T. 0.01 min

Lab File: VN061363.D

Acq: 8 May 2020 15:46

Tgt Ion: 43 Resp: 1536

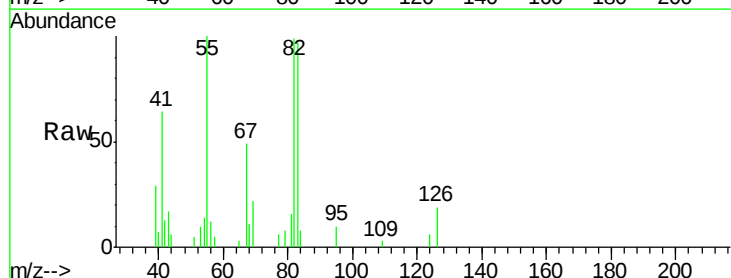
Ion Ratio Lower Upper

43 100

70 0.0 30.6 46.0#

55 566.5 18.5 27.7#

61 0.0 17.9 26.9#

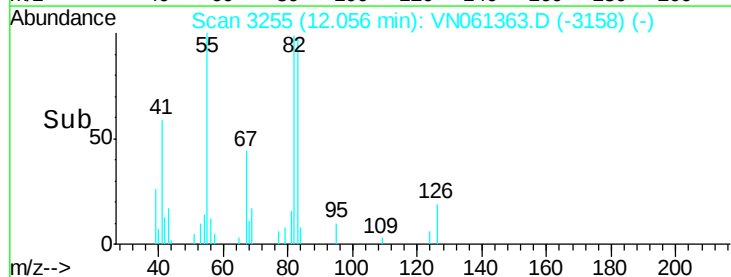
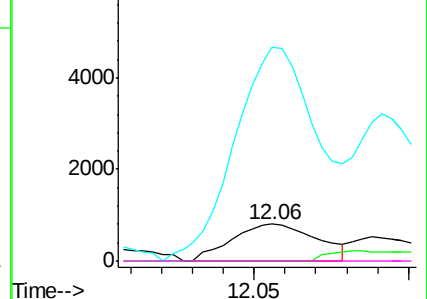


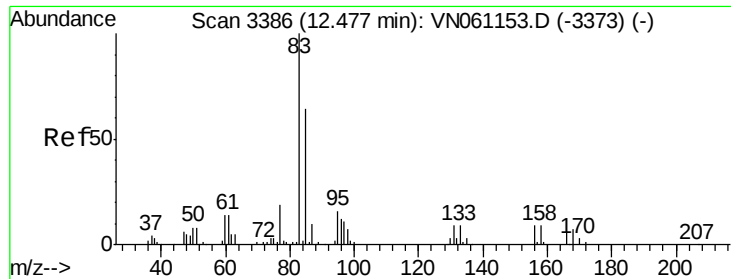
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.654 ug/l

RT: 12.45 min Scan# 3377

Delta R.T. -0.03 min

Lab File: VN061363.D

Acq: 8 May 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :

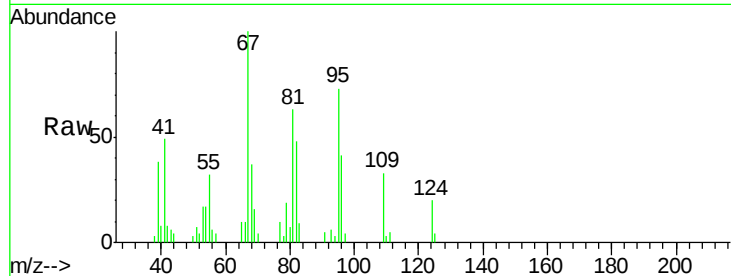
Tot Ion: 83 Resp: 1272

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VN061153.D (-3373) (-)

Ion 130.80 (130.50 to 131.50): VN061153.D (-3373) (-)

Ion 84.90 (84.60 to 85.60): VN061153.D (-3373) (-)

Time-->

12.45

12.40

12.45

12.45

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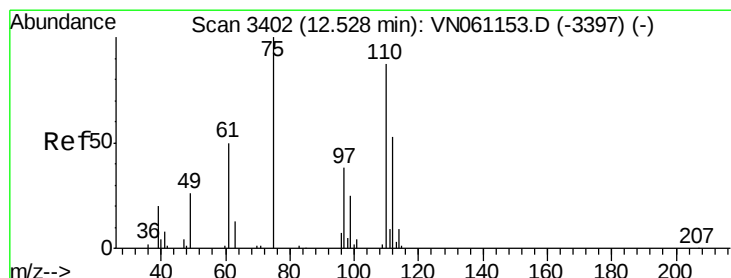
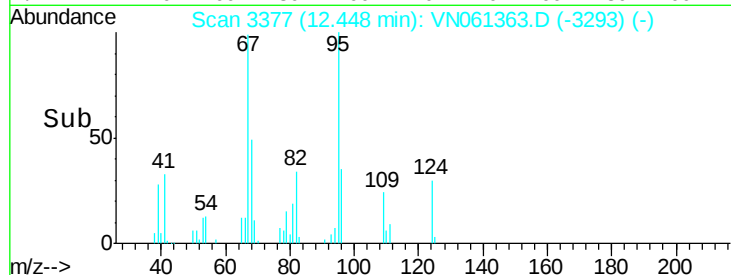
12.45

12.45

12.45

12.45

12.45



#76

1,2,3-Trichloropropane

Concen: 28.646 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061363.D

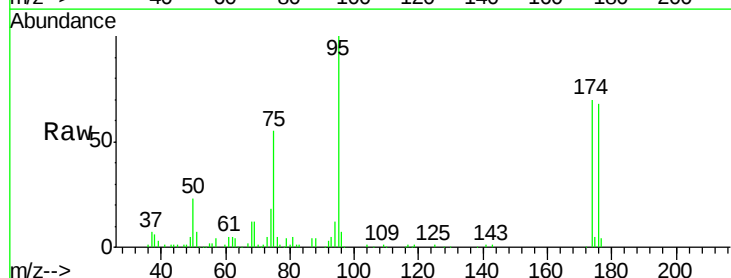
Acq: 8 May 2020 15:46

Tgt Ion: 75 Resp: 51212

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061153.D (-3397) (-)

Ion 77.00 (76.70 to 77.70): VN061153.D (-3397) (-)

Time-->

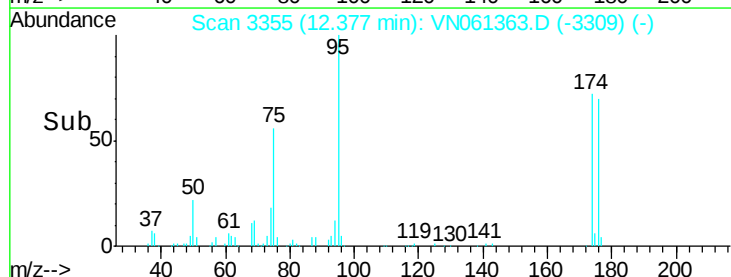
12.38

12.30

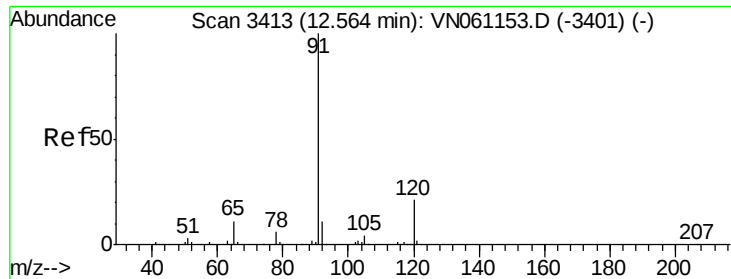
12.35

12.40

12.45



Time-->



#78

n-propylbenzene

Concen: 0.390 ug/l

RT: 12.56 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061363.D

Acq: 8 May 2020 15:46

Instrument :

MSVOA_N

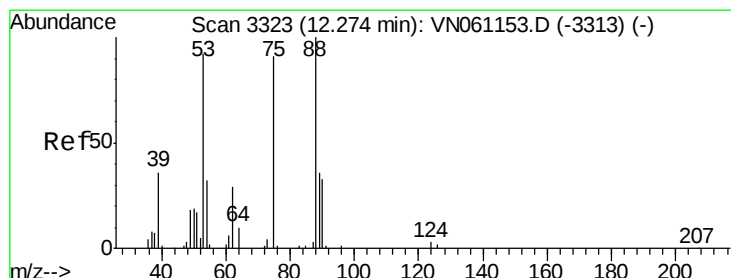
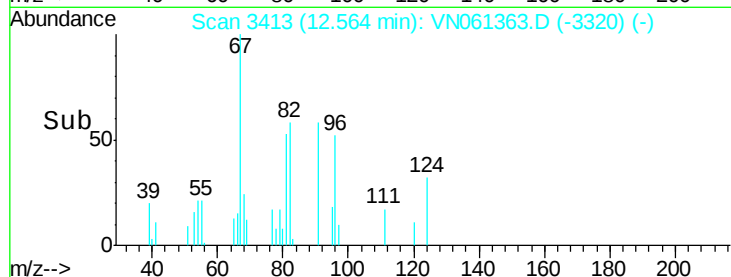
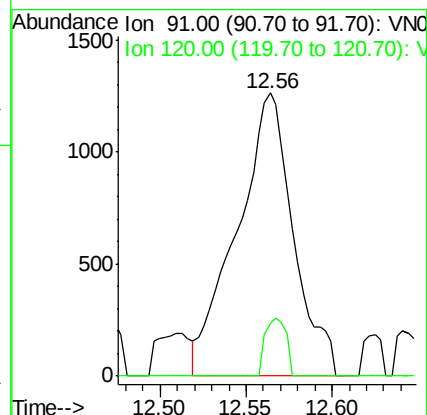
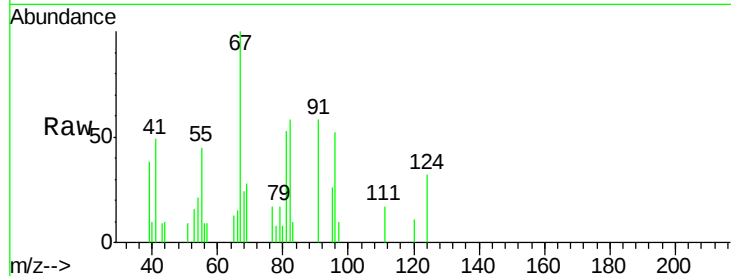
ClientSampled :

Tot Ion: 91 Resp: 2886

Ion Ratio Lower Upper

91 100

120 7.4 10.8 32.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.747 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061363.D

Acq: 8 May 2020 15:46

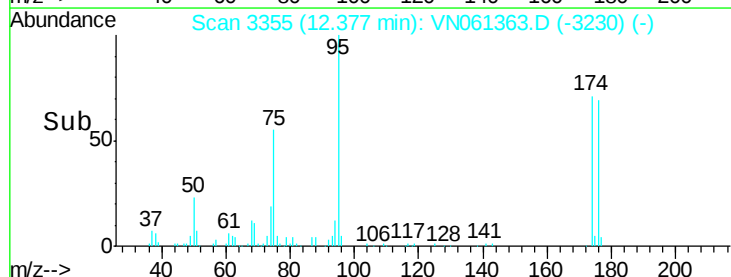
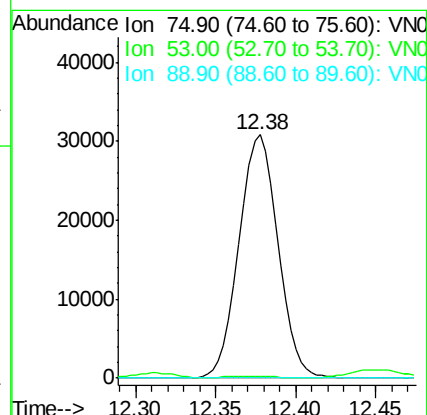
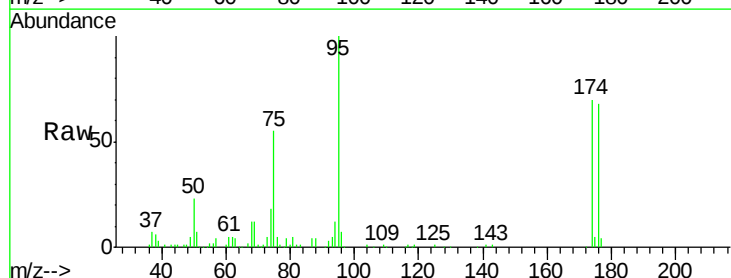
Tgt Ion: 75 Resp: 51212

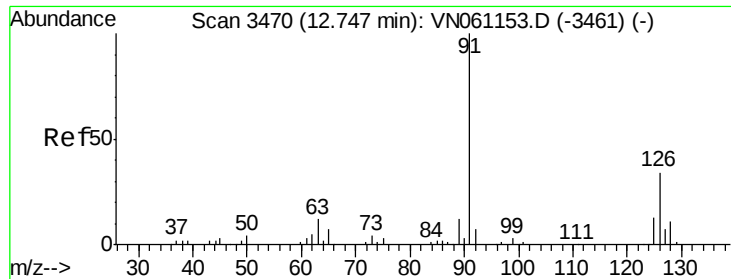
Ion Ratio Lower Upper

75 100

53 1.0 84.1 126.1#

89 0.0 35.2 52.8#





#82

4-Chlorotoluene

Concen: 0.630 ug/l

RT: 12.56 min Scan# 3413

Delta R.T. -0.18 min

Lab File: VN061363.D

Acq: 8 May 2020 15:46

Instrument :

MSVOA_N

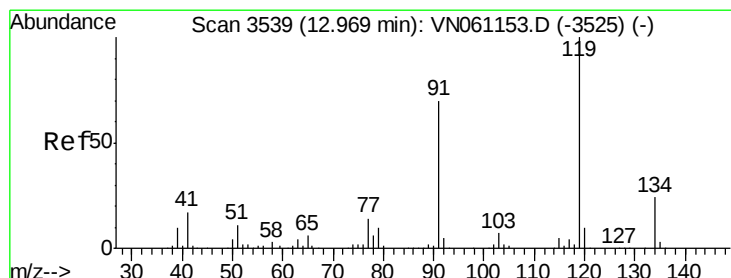
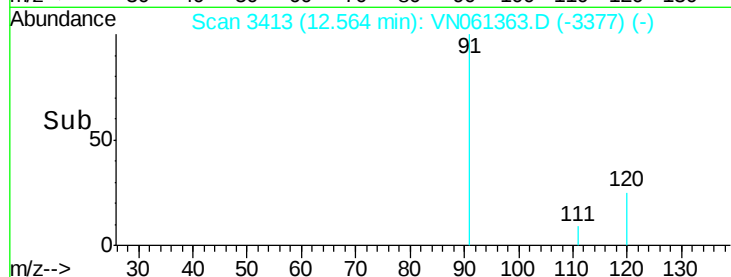
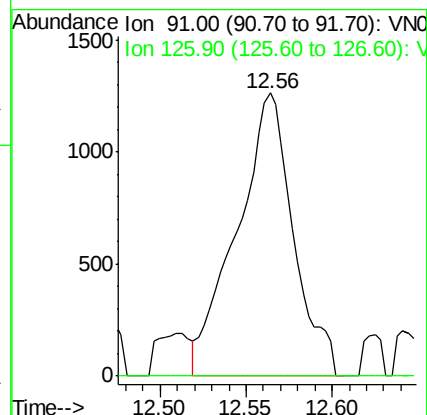
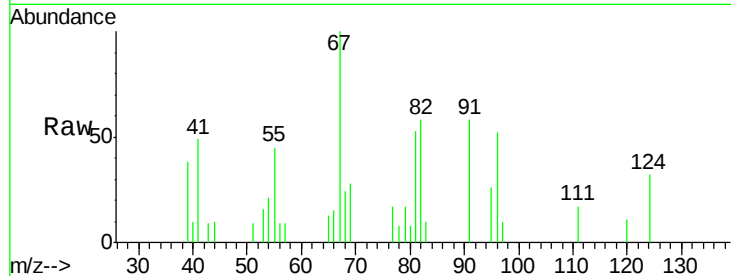
ClientSampled :

Tot Ion: 91 Resp: 2886

Ion Ratio Lower Upper

91 100

126 0.0 15.7 47.1#



#83

tert-Butylbenzene

Concen: 7.651 ug/l

RT: 12.97 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VN061363.D

Acq: 8 May 2020 15:46

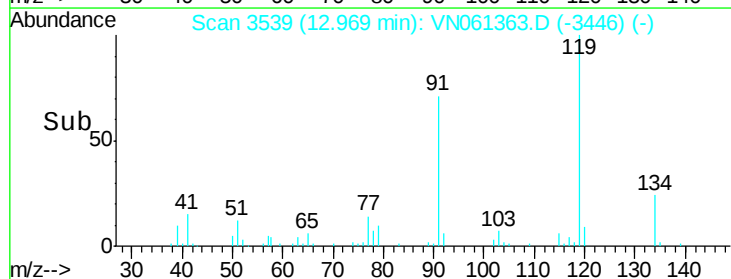
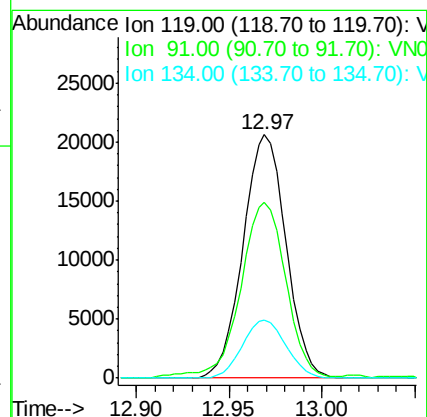
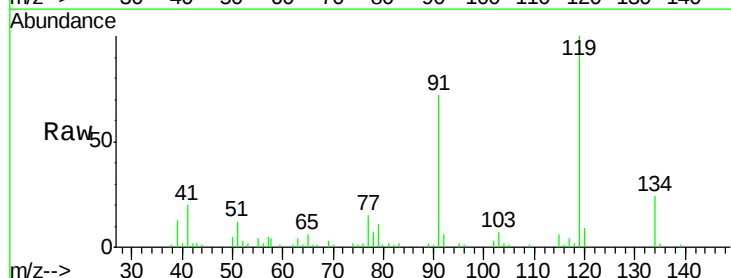
Tgt Ion: 119 Resp: 33287

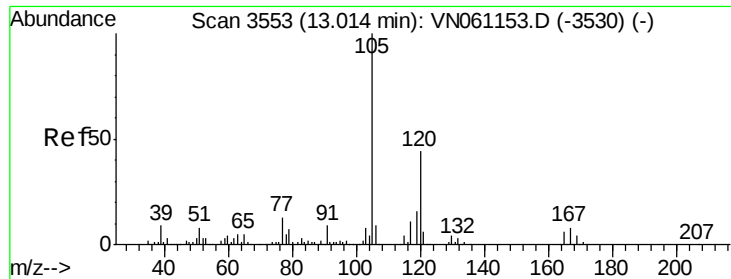
Ion Ratio Lower Upper

119 100

91 76.4 34.8 104.4

134 24.1 12.9 38.7

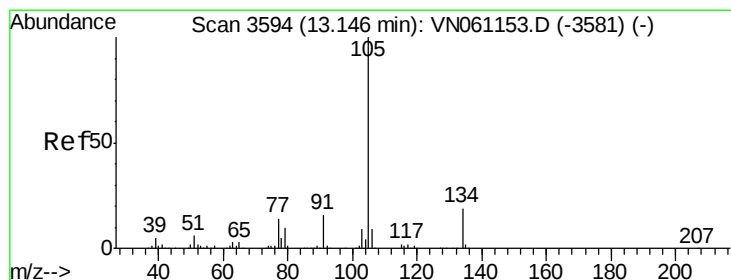
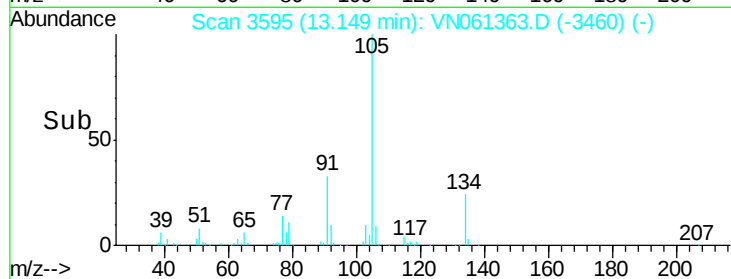
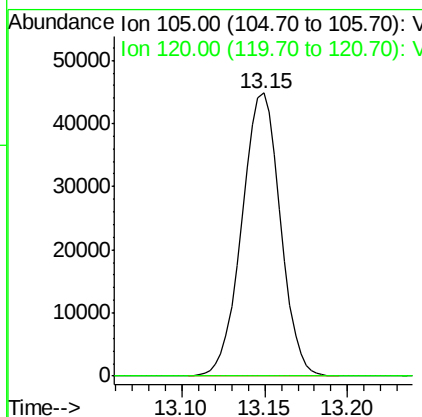
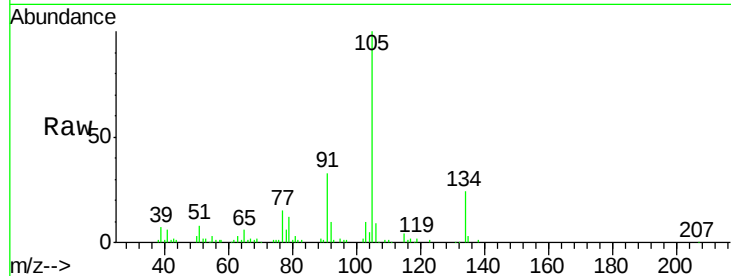




#84
 1,2,4-Trimethylbenzene
 Concen: 13.597 ug/l
 RT: 13.15 min Scan# 3595
 Delta R.T. 0.14 min
 Lab File: VN061363.D
 Acq: 8 May 2020 15:46

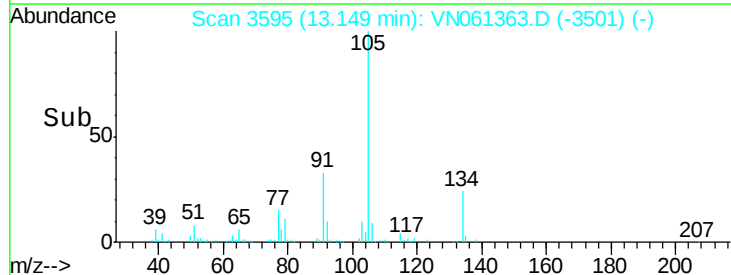
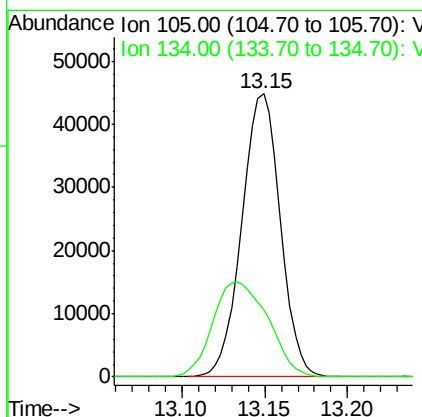
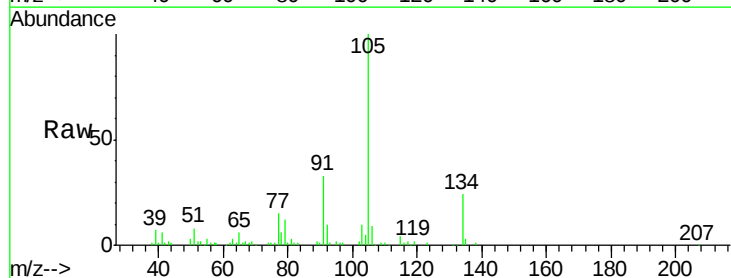
Instrument :
 MSVOA_N
 ClientSampled :

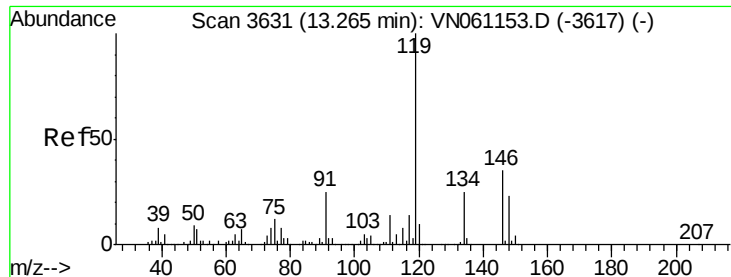
Tot Ion:105 Resp: 72279
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.2 66.6#



#85
 sec-Butylbenzene
 Concen: 12.186 ug/l
 RT: 13.15 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VN061363.D
 Acq: 8 May 2020 15:46

Tgt Ion:105 Resp: 72279
 Ion Ratio Lower Upper
 105 100
 134 48.1 9.6 28.8#

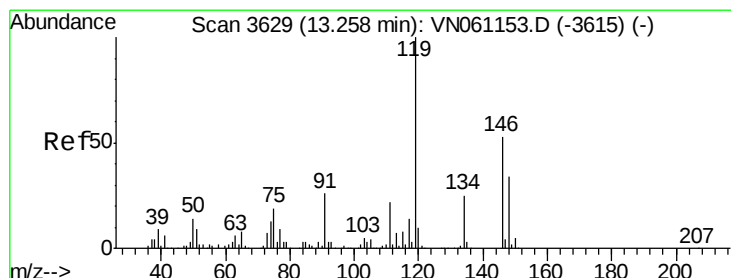
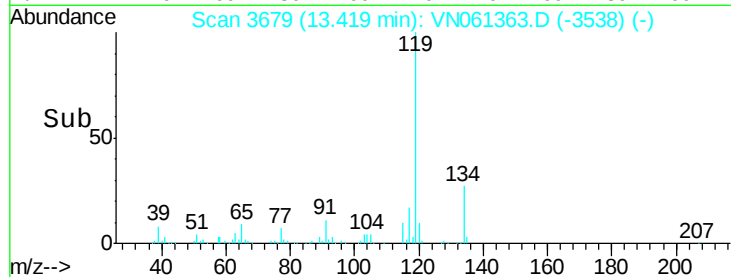
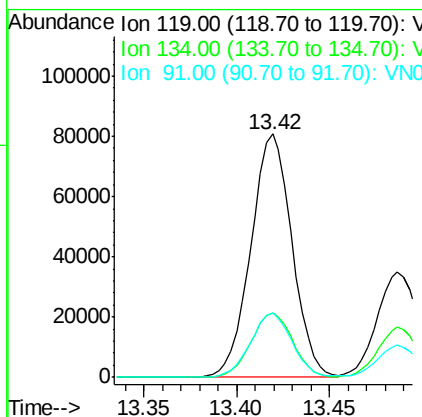
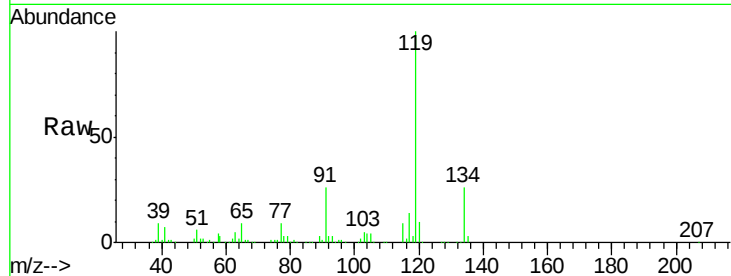




#86
 p-Isopropyltoluene
 Concen: 23.322 ug/l
 RT: 13.42 min Scan# 3679
 Delta R.T. 0.15 min
 Lab File: VN061363.D
 Acq: 8 May 2020 15:46

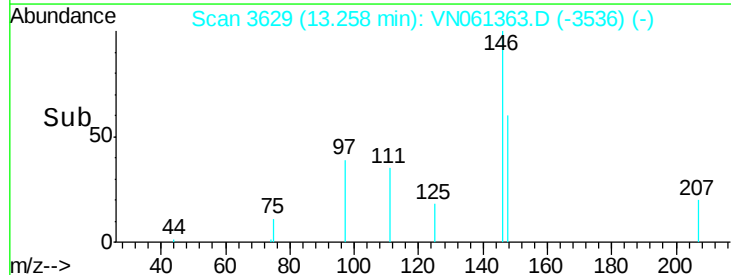
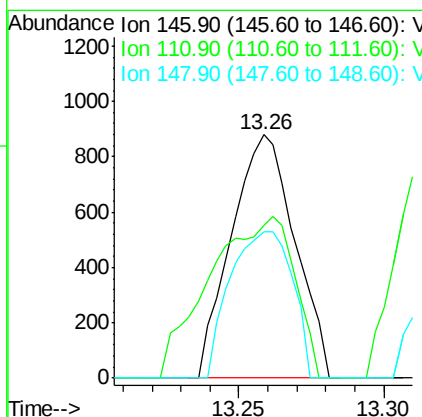
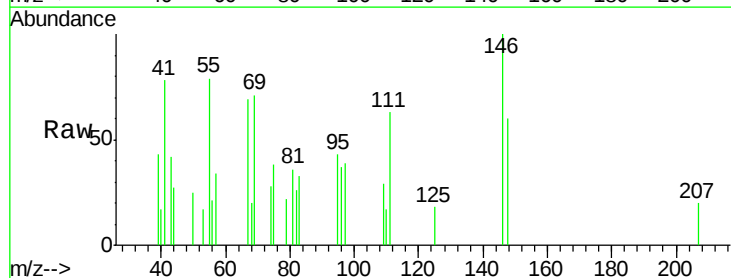
Instrument :
 MSVOA_N
 ClientSampleId :

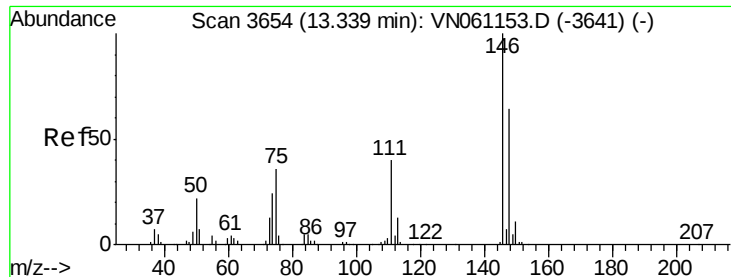
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.8	12.6	37.6
91	26.6	12.7	38.0



#87
 1,3-Dichlorobenzene
 Concen: 0.504 ug/l
 RT: 13.26 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VN061363.D
 Acq: 8 May 2020 15:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	89.1	20.7	62.1#
148	58.9	31.8	95.3





#88

1,4-Dichlorobenzene

Concen: 1.093 ug/l

RT: 13.34 min Scan# 3654

Delta R.T. 0.00 min

Lab File: VN061363.D

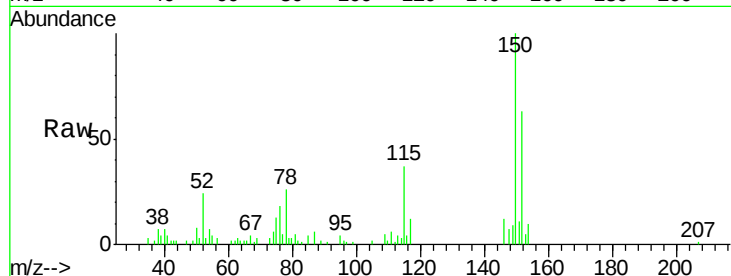
Acq: 8 May 2020 15:46

Instrument :

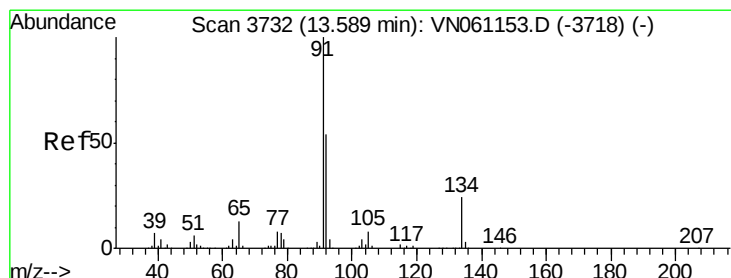
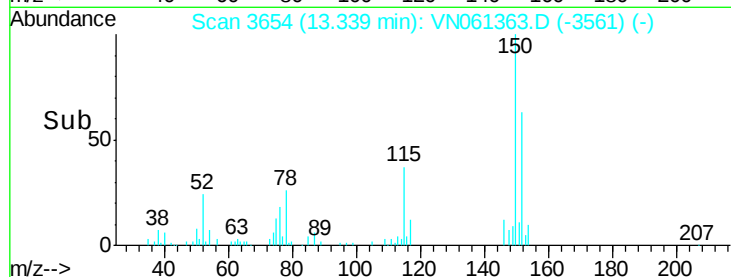
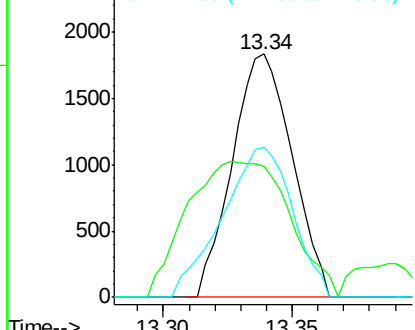
MSVOA_N

ClientSampleId :

Tot Ion:	146	Resp:	2959
Ion	Ratio	Lower	Upper
146	100		
111	95.4	20.4	61.3#
148	72.4	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: 0.601 ug/l

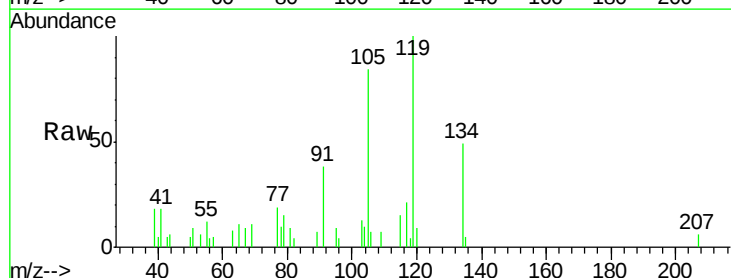
RT: 13.57 min Scan# 3726

Delta R.T. -0.02 min

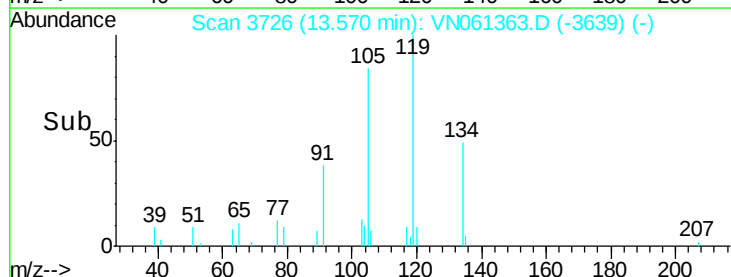
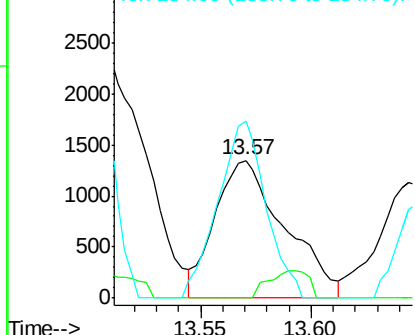
Lab File: VN061363.D

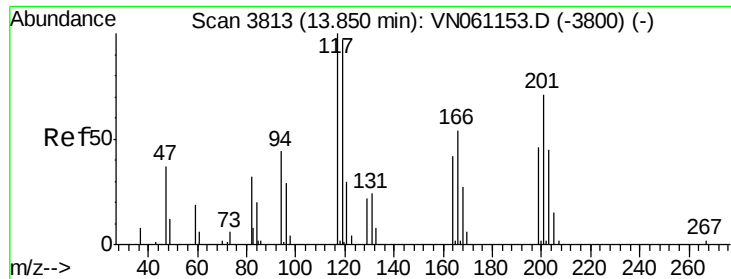
Acq: 8 May 2020 15:46

Tgt Ion:	91	Resp:	2946
Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.8	80.3#
134	0.0	11.9	35.5#



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 58.899 ug/l

RT: 13.87 min Scan# 3818

Delta R.T. 0.02 min

Lab File: VN061363.D

Acq: 8 May 2020 15:46

Instrument :

MSVOA_N

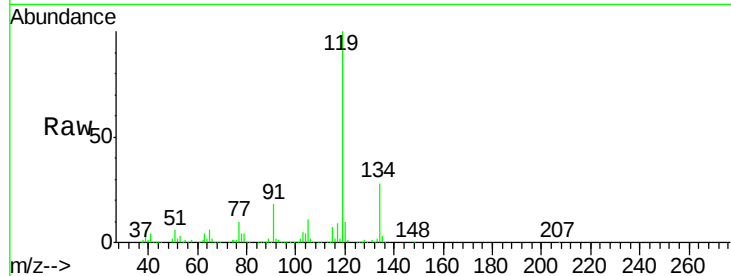
ClientSampleId :

Tot Ion:117 Resp: 33724

Ion Ratio Lower Upper

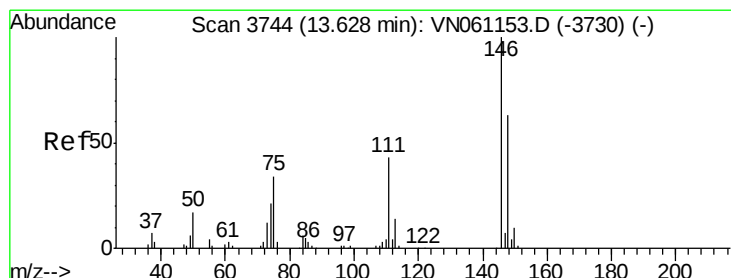
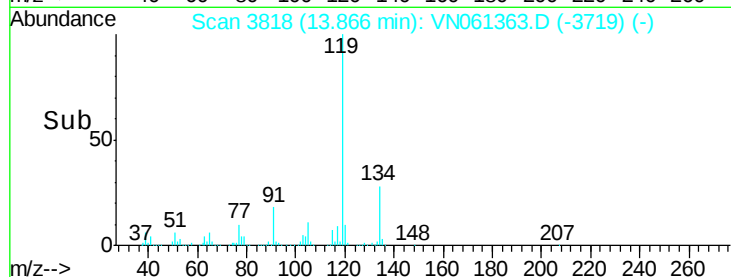
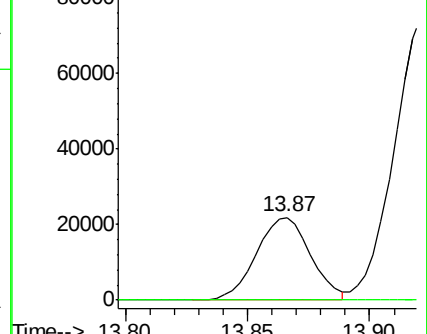
117 100

201 0.0 35.5 106.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.316 ug/l

RT: 13.63 min Scan# 3746

Delta R.T. 0.01 min

Lab File: VN061363.D

Acq: 8 May 2020 15:46

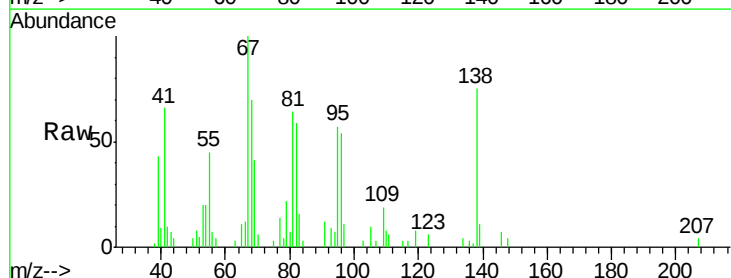
Tgt Ion:146 Resp: 803

Ion Ratio Lower Upper

146 100

111 84.8 21.8 65.3#

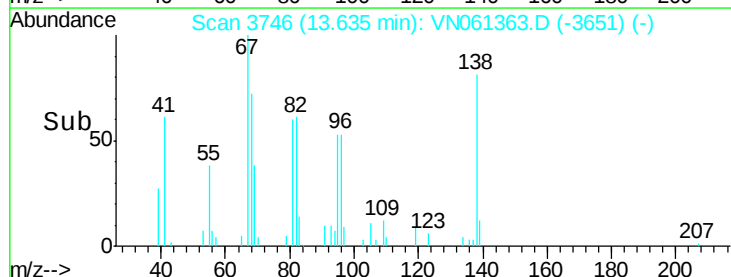
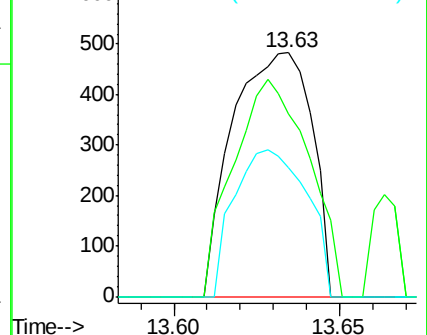
148 55.3 31.6 95.0

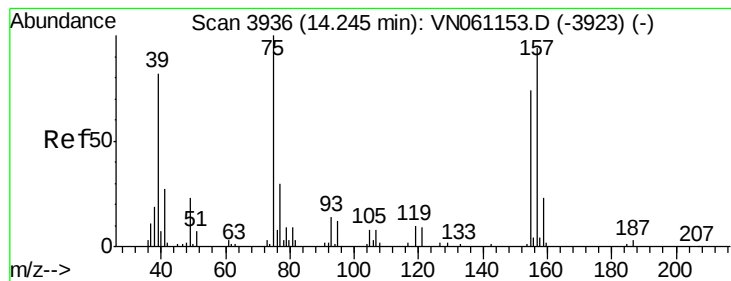


Abundance Ion 145.90 (145.60 to 146.60): V

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: 0.643 ug/l

RT: 14.30 min Scan# 3953

Delta R.T. 0.05 min

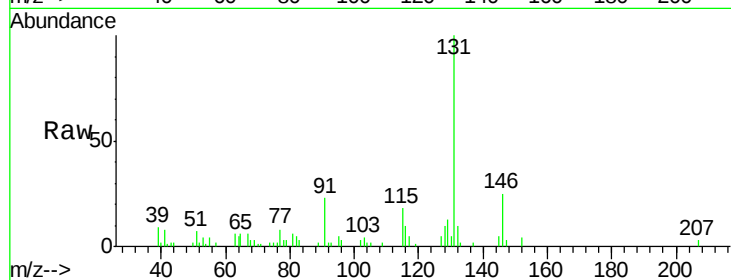
Lab File: VN061363.D

Acq: 8 May 2020 15:46

Instrument :

MSVOA_N

ClientSampleId :



Tot Ion:	75	Resp:	264
Ion	Ratio	Lower	Upper
75	100		
155	0.0	36.5	109.7#
157	0.0	46.6	139.7#

