

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051920\
 Data File : VN061494.D
 Acq On : 19 May 2020 19:27
 Operator : JC/MD
 Sample : L2645-04DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2DL

Quant Time: May 20 03:01:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	299969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	556061	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	548435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	257400	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	205931	46.00	ug/l	0.00
Spiked Amount			Recovery	=	92.00%	
35) Dibromofluoromethane	7.55	113	154507	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	
50) Toluene-d8	10.06	98	684688	50.67	ug/l	0.00
Spiked Amount			Recovery	=	101.34%	
62) 4-Bromofluorobenzene	12.38	95	281680	55.80	ug/l	0.00
Spiked Amount			Recovery	=	111.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1314	0.323	ug/l #	84
5) Bromomethane	2.53	94	700	Below Cal	#	14
6) Chloroethane	2.67	64	1281	0.327	ug/l #	78
11) Tert butyl alcohol	4.72	59	8199	15.894	ug/l #	73
13) Acrolein	3.52	56	9630	7.469	ug/l #	1
14) Allyl chloride	4.37	41	20029	4.003	ug/l #	29
15) Acrylonitrile	5.01	53	4722	3.090	ug/l #	21
16) Acetone	3.77	43	24904	10.797	ug/l #	88
17) Carbon Disulfide	4.00	76	1880	Below Cal	#	81
18) Methyl Acetate	4.34	43	2849	Below Cal	#	49
19) Methyl tert-butyl Ether	4.99	73	79167	6.785	ug/l #	1
20) Methylene Chloride	4.50	84	1687	0.459	ug/l #	67
25) 2-Butanone	6.79	43	11791	5.785	ug/l	99
28) Bromochloromethane	7.33	49	8356	3.002	ug/l #	13
29) Tetrahydrofuran	7.17	42	375	0.278	ug/l #	29
30) Chloroform	7.33	83	98982	14.449	ug/l	97
31) Cyclohexane	7.62	56	64194	8.658	ug/l #	89
36) 1,1-Dichloropropene	7.62	75	25148	4.837	ug/l #	50
37) Ethyl Acetate	6.79	43	11791	2.501	ug/l #	75
38) Carbon Tetrachloride	7.62	117	31457	6.570	ug/l #	16
39) Methylcyclohexane	9.05	83	32847	5.172	ug/l	98
40) Benzene	8.00	78	1481935	94.578	ug/l	99
41) Methacrylonitrile	7.16	41	1473	0.740	ug/l #	28
42) 1,2-Dichloroethane	8.00	62	12336	2.185	ug/l	79
43) Isopropyl Acetate	8.09	43	21754	2.645	ug/l #	52
47) Bromodichloromethane	9.36	83	1512	0.261	ug/l #	57
48) Methyl methacrylate	9.19	41	945	0.249	ug/l #	9
51) 4-Methyl-2-Pentanone	9.95	43	2422	0.541	ug/l #	81
52) Toluene	10.12	92	2624128	260.858	ug/l	90
53) t-1,3-Dichloropropene	10.12	75	29442	4.637	ug/l #	1
55) 1,1,2-Trichloroethane	10.50	97	983	0.258	ug/l #	15
59) 2-Hexanone	10.73	43	5279	1.629	ug/l	95
65) Chlorobenzene	11.41	112	2556	0.229	ug/l #	86
67) Ethyl Benzene	11.48	91	2934229	143.730	ug/l	95

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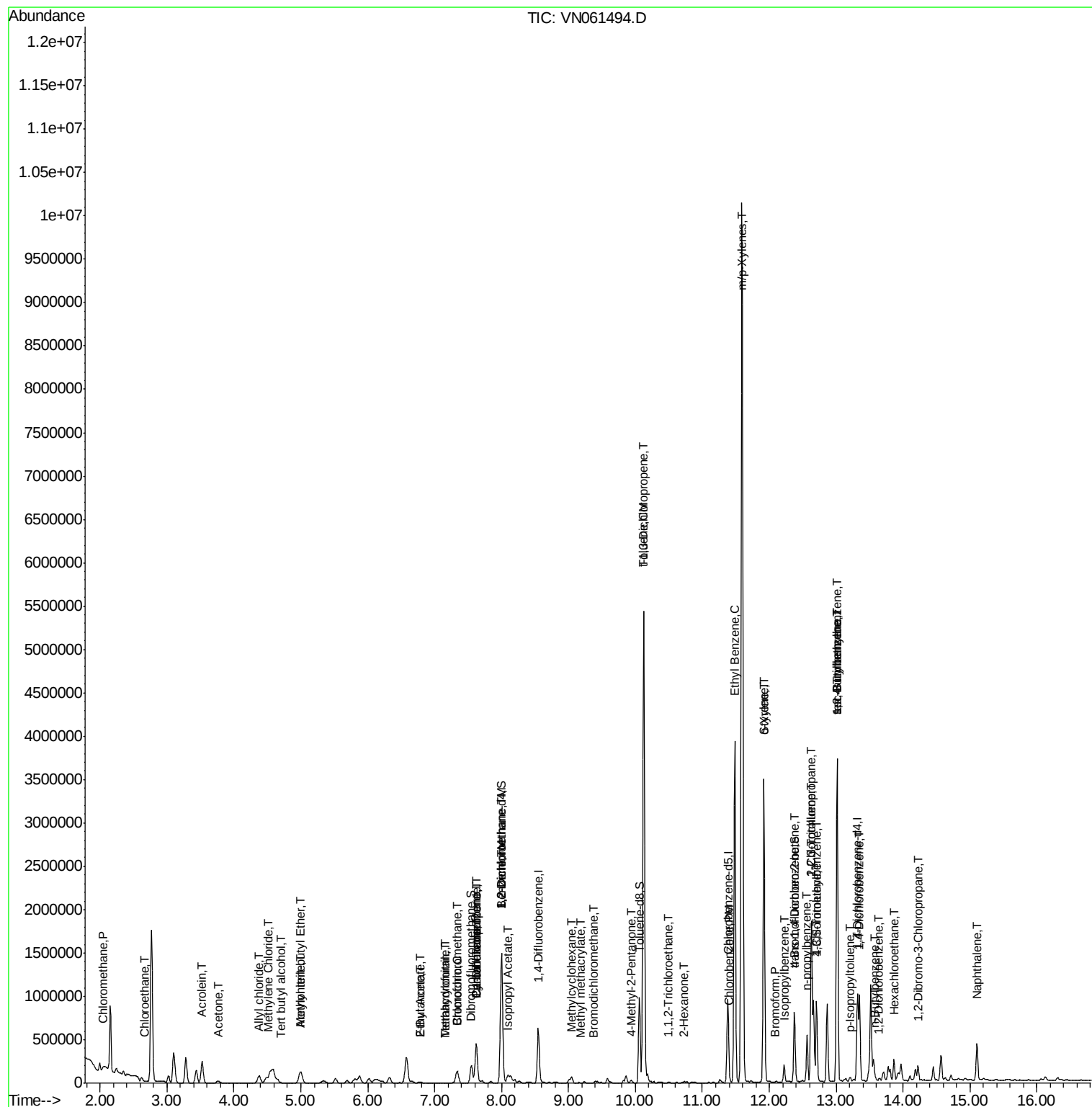
68) m/p-Xylenes	11.59	106	3721671	480.282	ug/l #	73
69) o-Xylene	11.92	106	1011686	134.914	ug/l	96
70) Styrene	11.92	104	50022	4.028	ug/l #	1
71) Bromoform	12.08	173	96	2.050	ug/l #	29
73) Isopropylbenzene	12.22	105	133224	6.447	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	9532	1.726	ug/l #	100
78) n-propylbenzene	12.56	91	444072	18.861	ug/l	98
79) 2-Chlorotoluene	12.63	91	146271	10.510	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.71	105	513942	30.376	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	143476	68.912	ug/l #	12
82) 4-Chlorotoluene	12.71	91	58216	4.040	ug/l #	43
83) tert-Butylbenzene	13.01	119	250653	17.295	ug/l #	66
84) 1,2,4-Trimethylbenzene	13.01	105	2108473	124.520	ug/l	98
85) sec-Butylbenzene	13.01	105	2108473	107.590	ug/l #	57
86) p-Isopropyltoluene	13.21	119	24260	1.394	ug/l #	72
88) 1,4-Dichlorobenzene	13.34	146	4038	0.491	ug/l #	40
89) n-Butylbenzene	13.59	91	16949	1.072	ug/l #	62
90) Hexachloroethane	13.86	117	12949	5.490	ug/l #	17
91) 1,2-Dichlorobenzene	13.63	146	2096	0.266	ug/l	72
92) 1,2-Dibromo-3-Chloropropan	14.22	75	862	0.751	ug/l #	11
95) Naphthalene	15.10	128	363765	26.805	ug/l	99

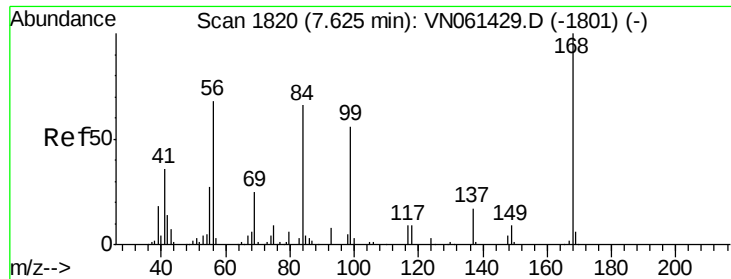
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061494.D

Acq: 19 May 2020 19:27

Instrument :

MSVOA_N

ClientSampled :

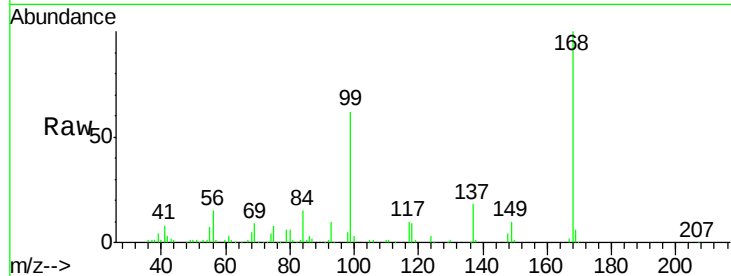
MW-2DL

Tot Ion:168 Resp: 299969

Ion Ratio Lower Upper

168 100

99 62.0 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

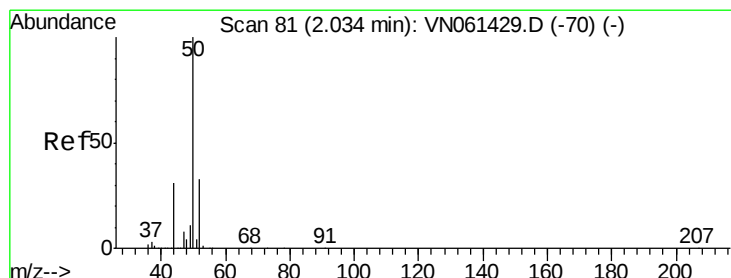
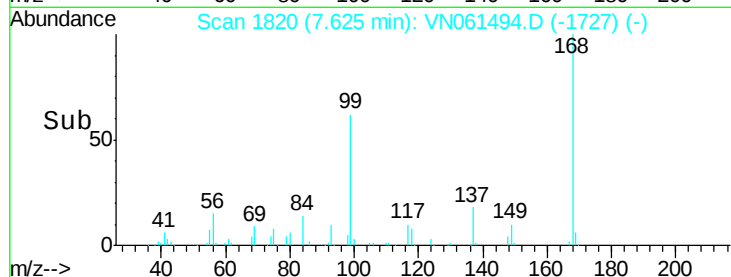
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.323 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061494.D

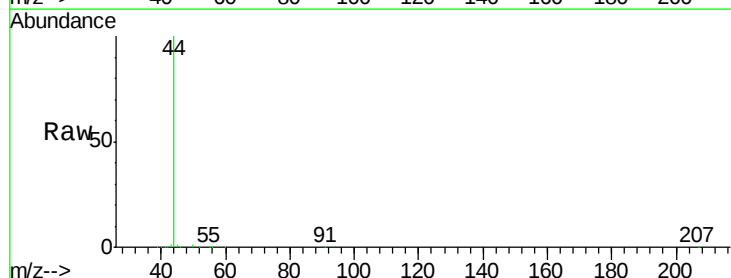
Acq: 19 May 2020 19:27

Tgt Ion: 50 Resp: 1314

Ion Ratio Lower Upper

50 100

52 42.7 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

1000

800

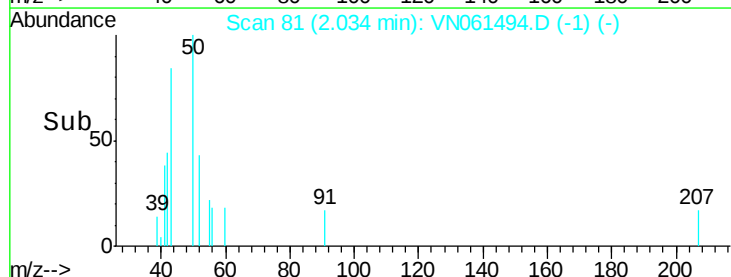
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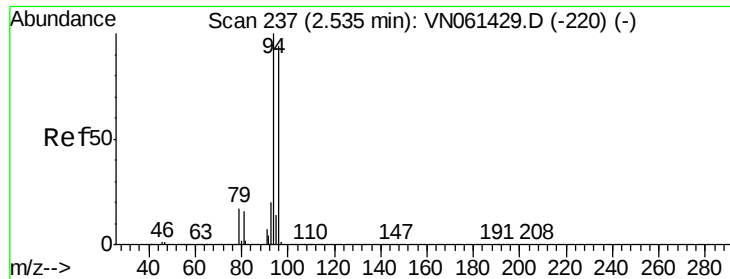
400

200

0

Time--> 2.00 2.02 2.04 2.06 2.08





#5

Bromomethane

Concen: Below Cal

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

Lab File: VN061494.D

Acq: 19 May 2020 19:27

Instrument :

MSVOA_N

ClientSampleId :

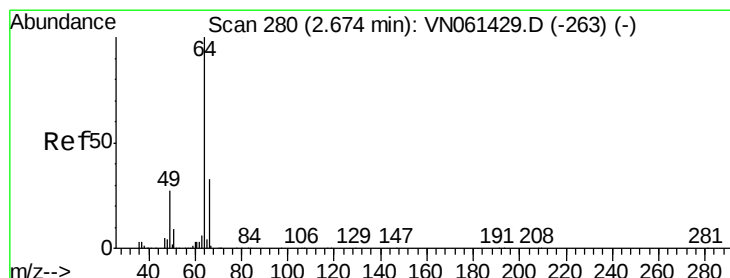
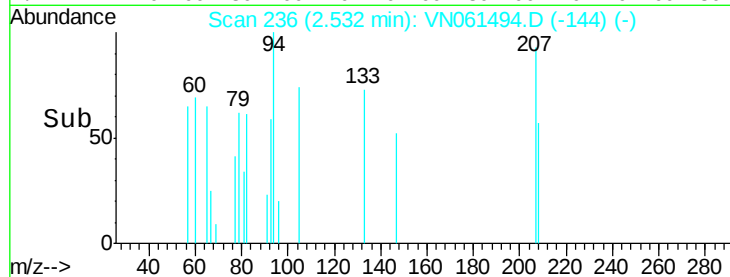
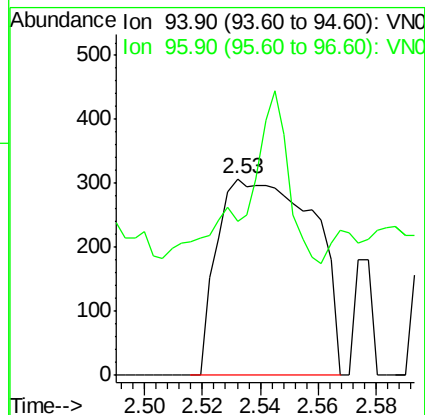
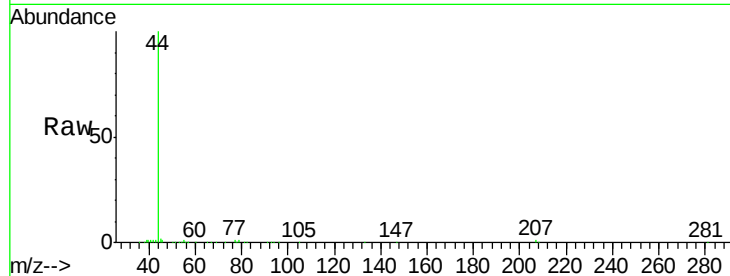
MW-2DL

Tot Ion: 94 Resp: 700

Ion Ratio Lower Upper

94 100

96 10.4 74.9 112.3#



#6

Chloroethane

Concen: 0.327 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN061494.D

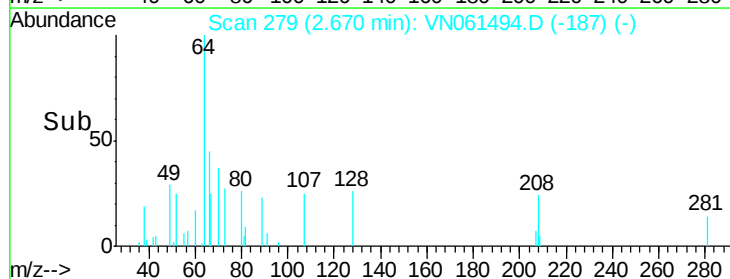
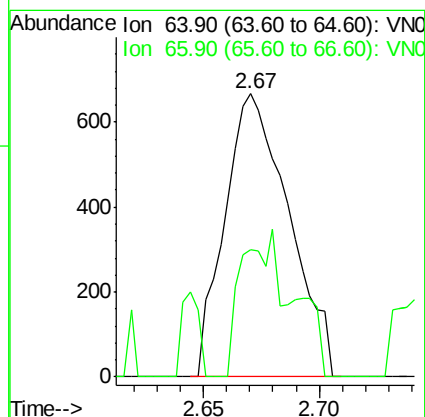
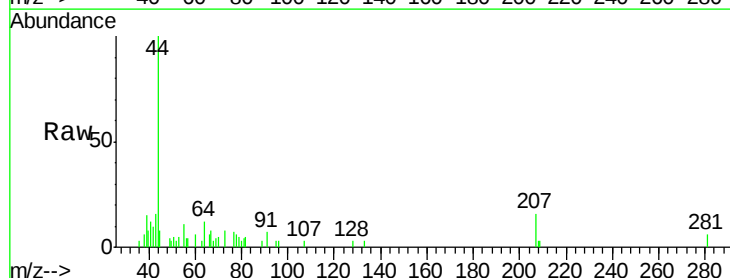
Acq: 19 May 2020 19:27

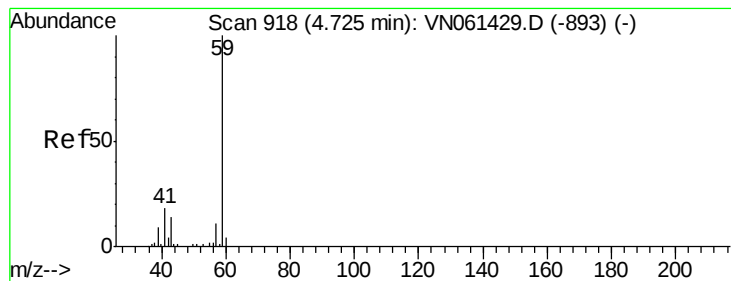
Tgt Ion: 64 Resp: 1281

Ion Ratio Lower Upper

64 100

66 45.1 26.3 39.5#



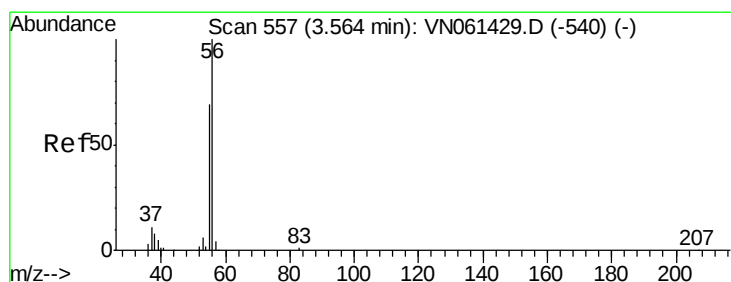
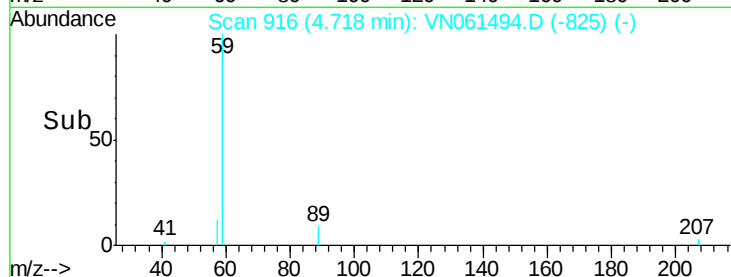
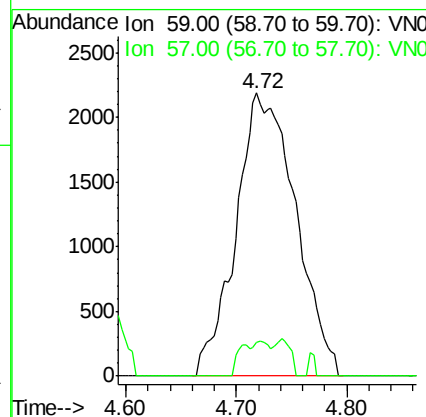
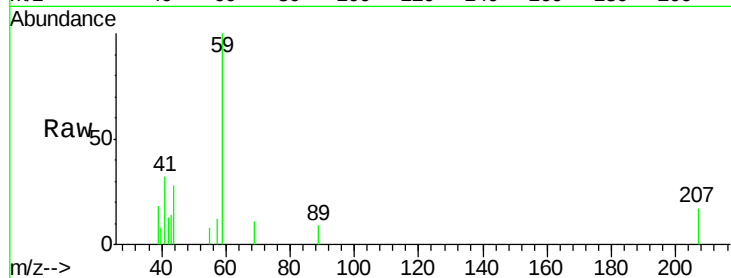


#11

Tert butyl alcohol
 Concen: 15.894 ug/l
 RT: 4.72 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VN061494.D
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Instrument :
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 MW-2DL

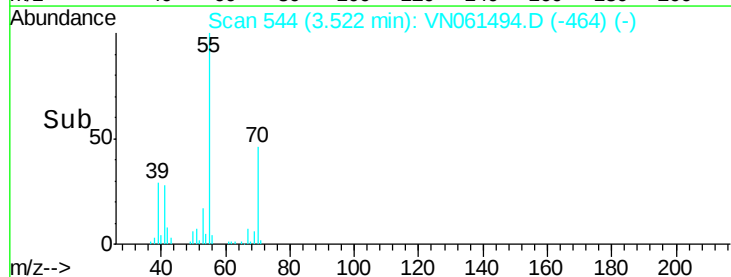
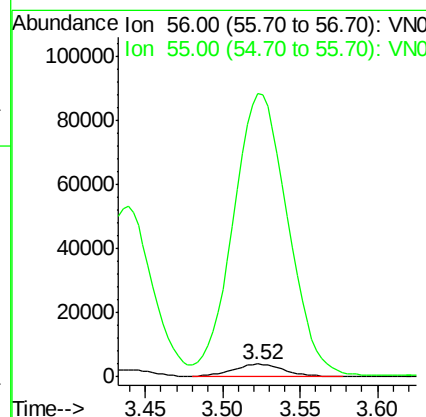
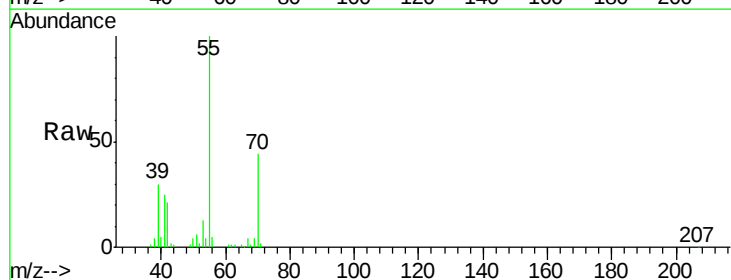
Tot Ion: 59 Resp: 8199
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

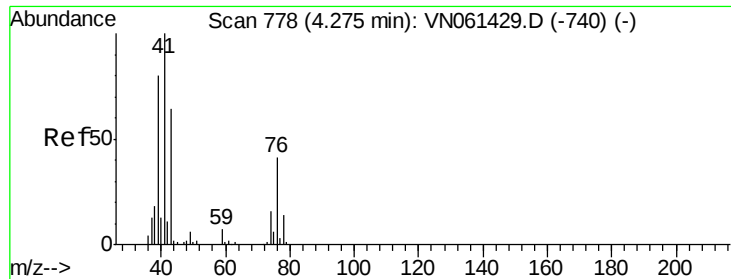


#13

Acrolein
 Concen: 7.469 ug/l
 RT: 3.52 min Scan# 544
 Delta R.T. -0.04 min
 Lab File: VN061494.D
 Acq: 19 May 2020 19:27

Tgt Ion: 56 Resp: 9630
 Ion Ratio Lower Upper
 56 100
 55 2234.7 54.8 82.2#

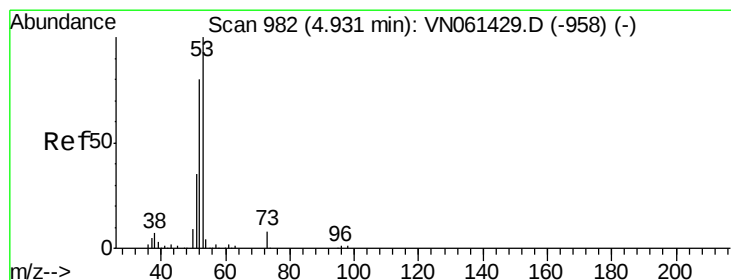
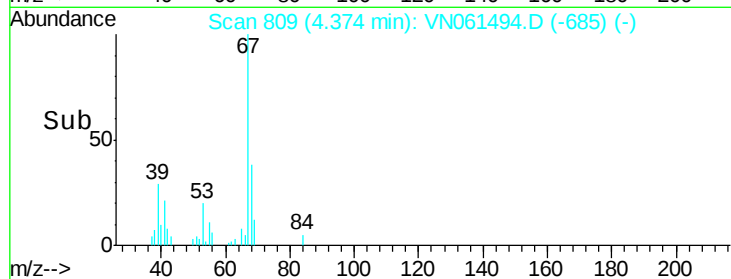
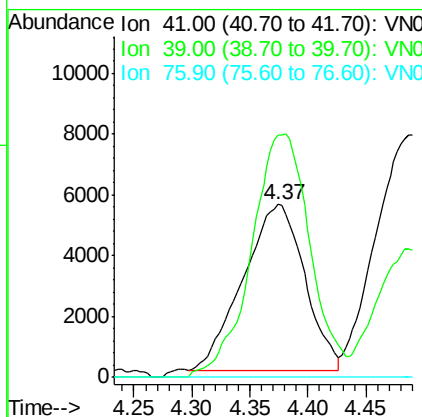
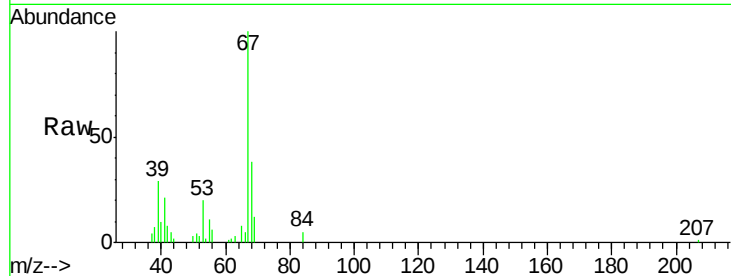




#14
Allvl chloride
Concen: 4.003 ug/l
RT: 4.37 min Scan# 809
Delta R.T. 0.10 min
Lab File: VN061494.D
Acq: 19 May 2020 19:27

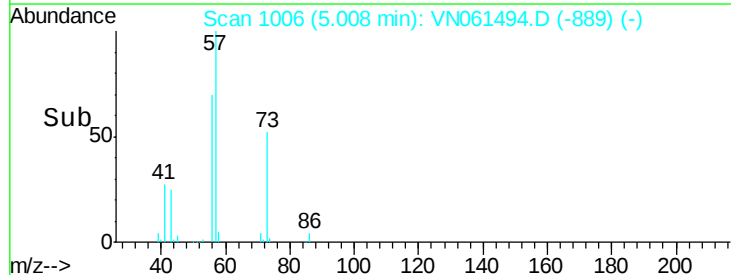
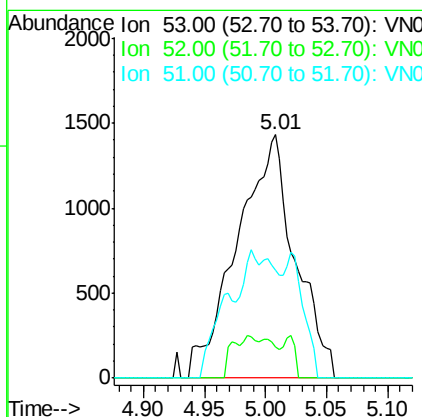
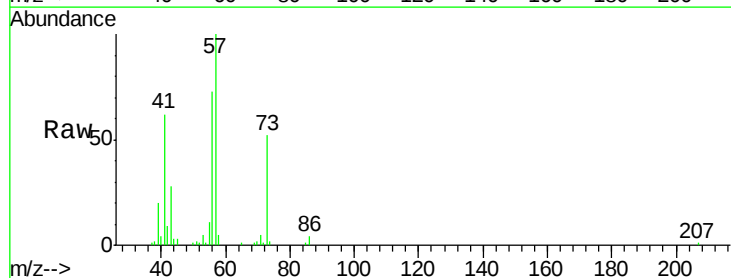
Instrument :
MSVOA_N
ClientSampled :
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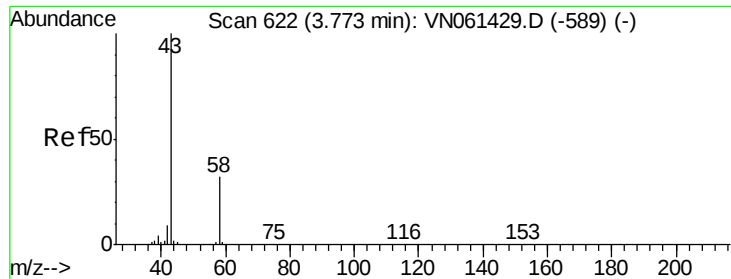
Tot Ion: 41 Resp: 20029
Ion Ratio Lower Upper
41 100
39 140.9 61.2 91.8#
76 0.0 29.9 44.9#



#15
Acrylonitrile
Concen: 3.090 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.08 min
Lab File: VN061494.D
Acq: 19 May 2020 19:27

Tgt Ion: 53 Resp: 4722
Ion Ratio Lower Upper
53 100
52 3.5 64.7 97.1#
51 0.0 29.5 44.3#

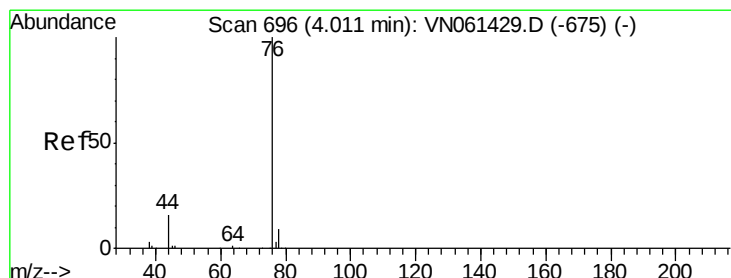
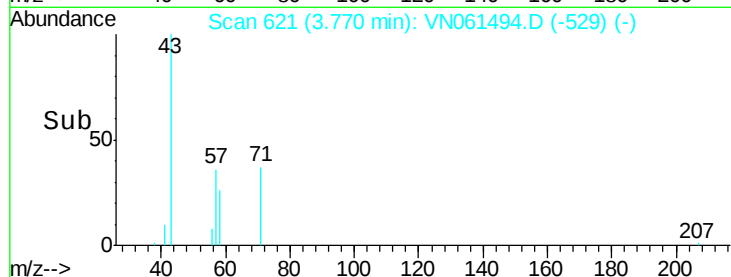
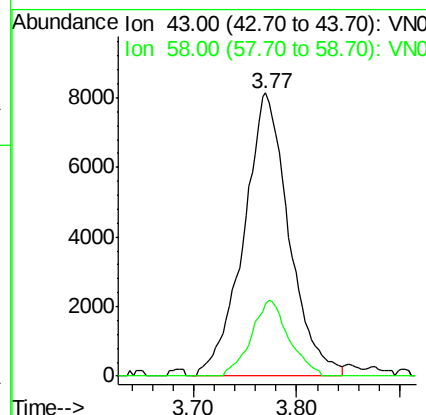
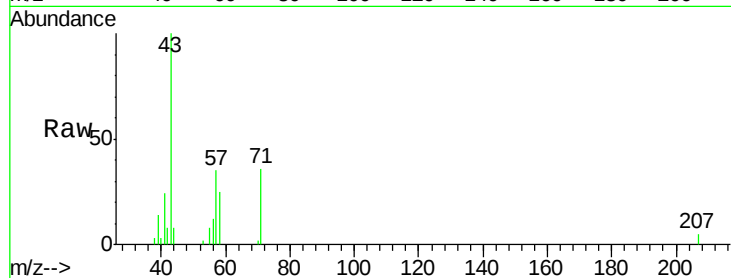




#16
Acetone
Concen: 10.797 ug/l
RT: 3.77 min Scan# 621
Delta R.T. -0.00 min
Lab File: VN061494.D
Acq: 19 May 2020 19:27

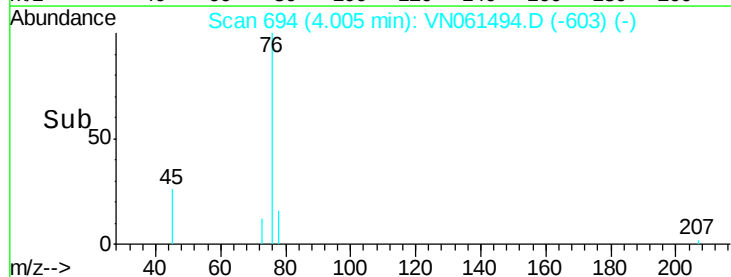
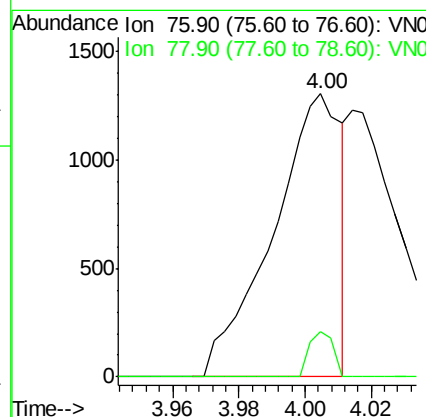
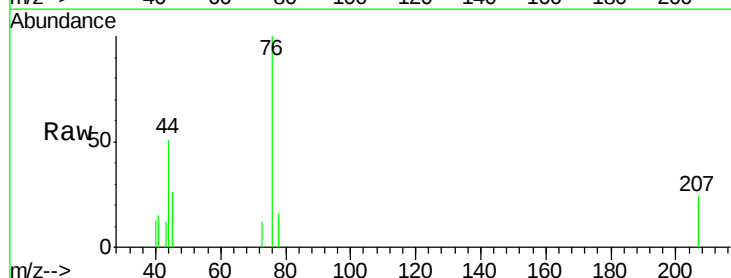
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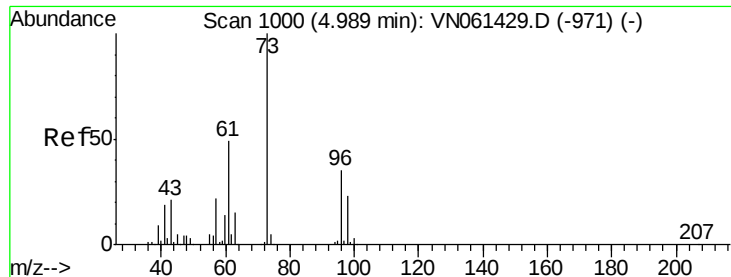
Tot Ion: 43 Resp: 24904
Ion Ratio Lower Upper
43 100
58 25.4 25.6 38.4#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.00 min Scan# 694
Delta R.T. -0.01 min
Lab File: VN061494.D
Acq: 19 May 2020 19:27

Tgt Ion: 76 Resp: 1880
Ion Ratio Lower Upper
76 100
78 16.1 7.4 11.0#

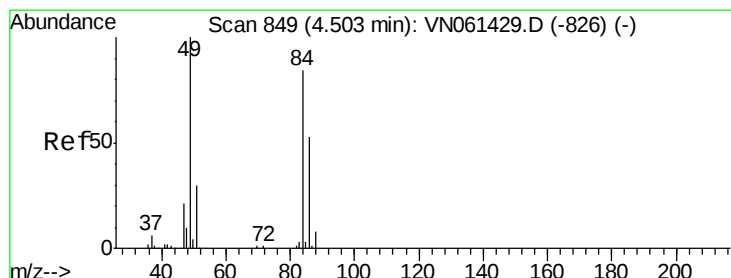
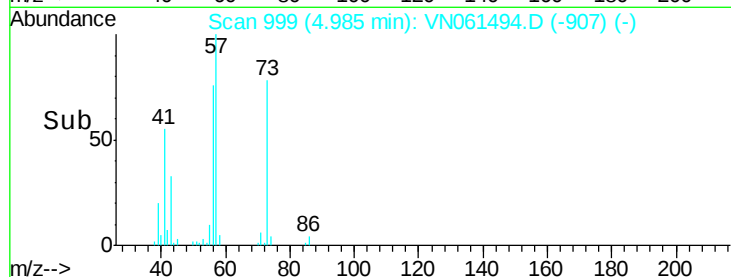
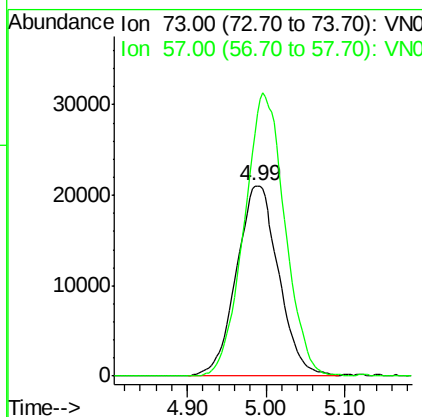
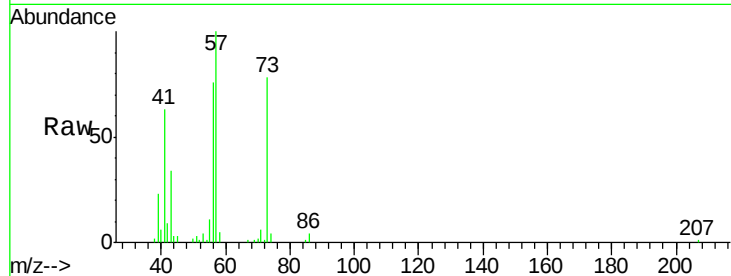




#19
Methyl tert-butyl Ether
Concen: 6.785 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061494.D
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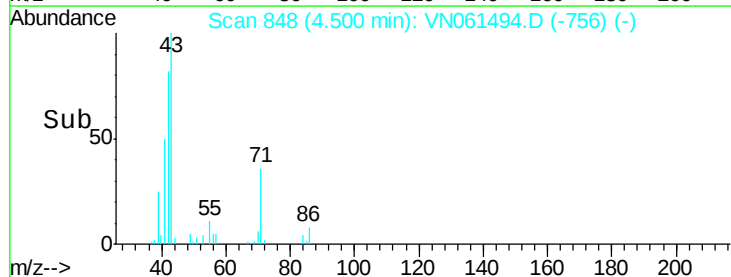
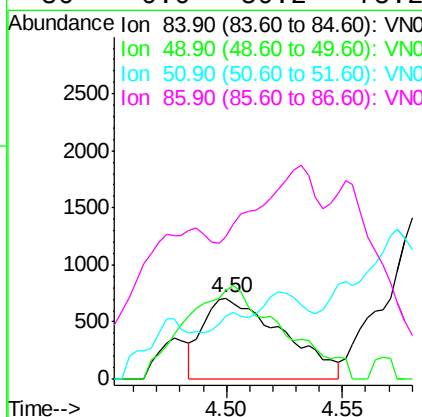
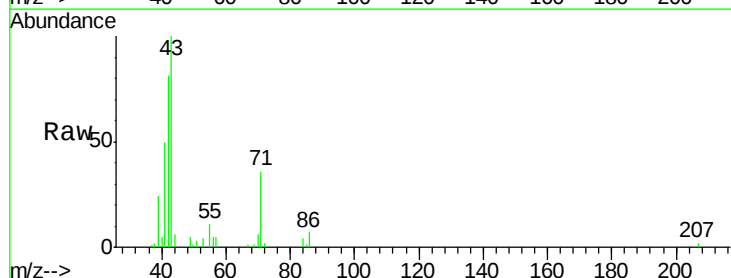
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MSVOA_N
ClientSampled :
MW-2DL

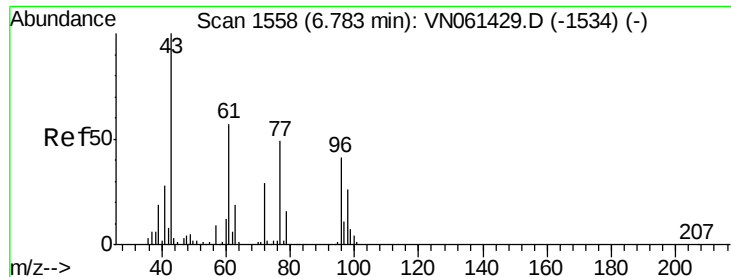
Tot Ion: 73 Resp: 79167
Ion Ratio Lower Upper
73 100
57 127.5 17.4 26.0#



#20
Methylene Chloride
Concen: 0.459 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061494.D
Acq: 19 May 2020 19:27

Tgt Ion: 84 Resp: 1687
Ion Ratio Lower Upper
84 100
49 105.2 95.3 142.9
51 27.5 29.0 43.6#
86 0.0 50.2 75.2#





#25

2-Butanone

Concen: 5.785 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN061494.D

Acq: 19 May 2020 19:27

Instrument :

MSVOA_N

ClientSampled :

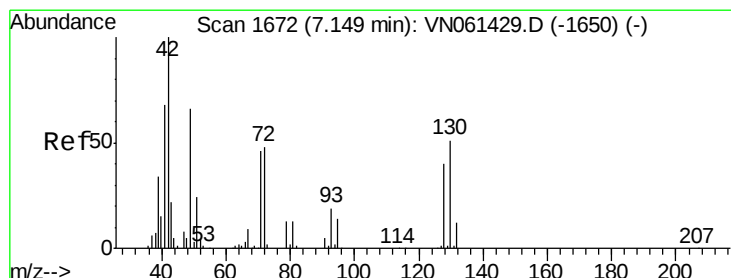
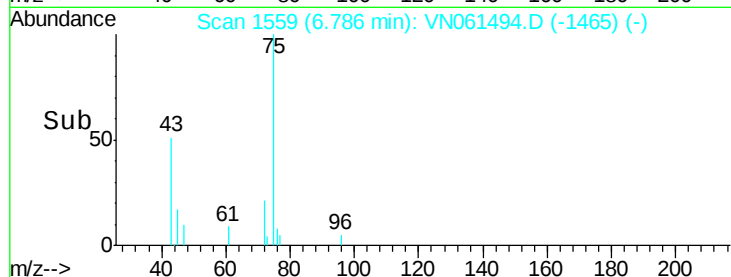
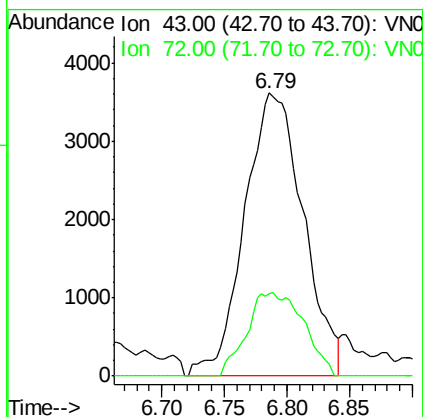
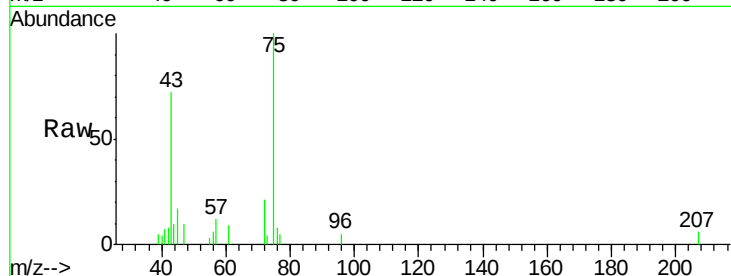
MW-2DL

Tot Ion: 43 Resp: 11791

Ion Ratio Lower Upper

43 100

72 29.3 23.0 34.6



#28

Bromochloromethane

Concen: 3.002 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. 0.18 min

Lab File: VN061494.D

Acq: 19 May 2020 19:27

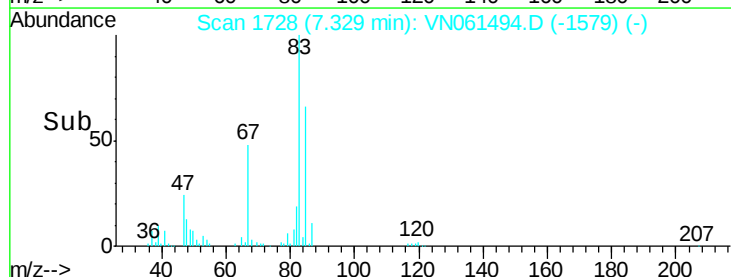
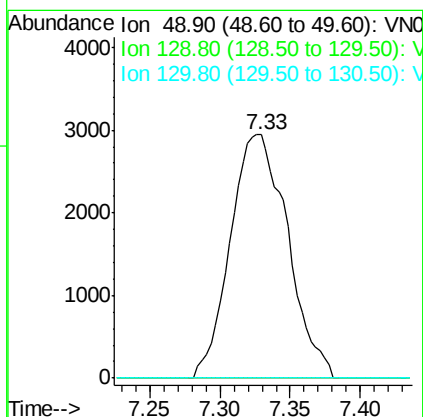
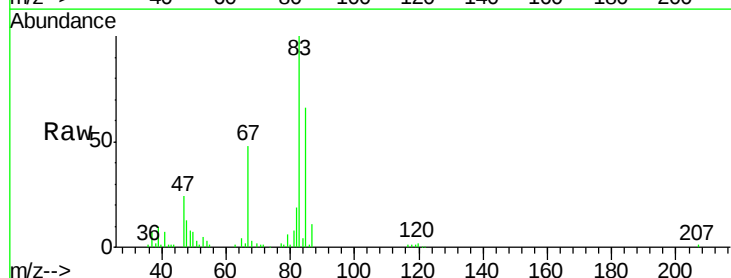
Tgt Ion: 49 Resp: 8356

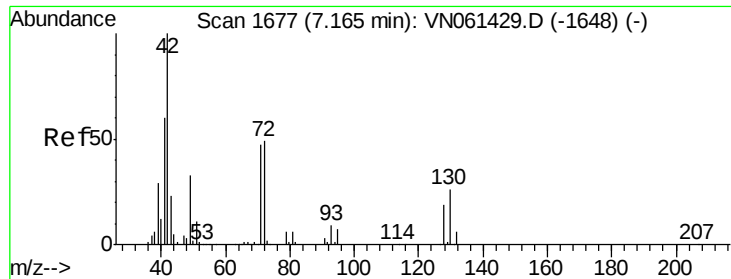
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

130 0.0 62.2 93.2#

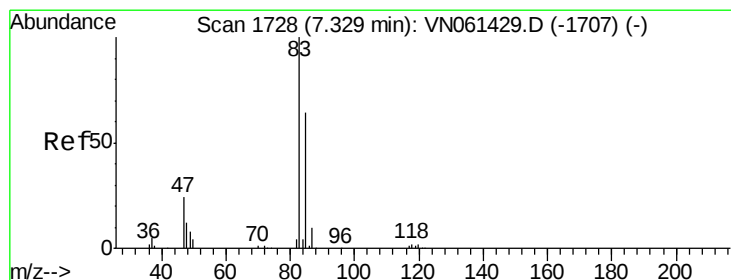
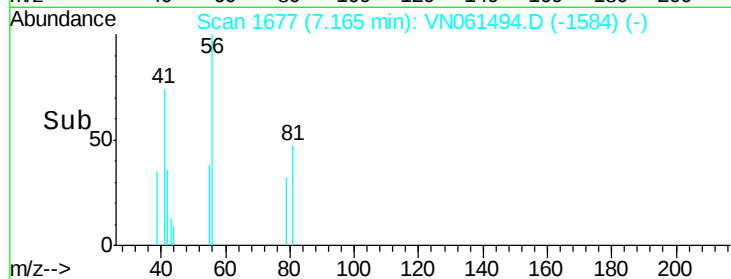
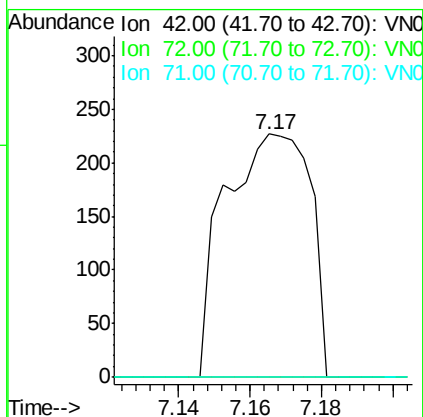
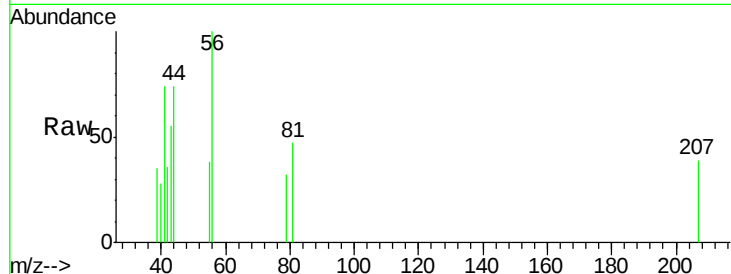




#29
Tetrahydrofuran
Concen: 0.278 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061494.D
Acq: 19 May 2020 19:27

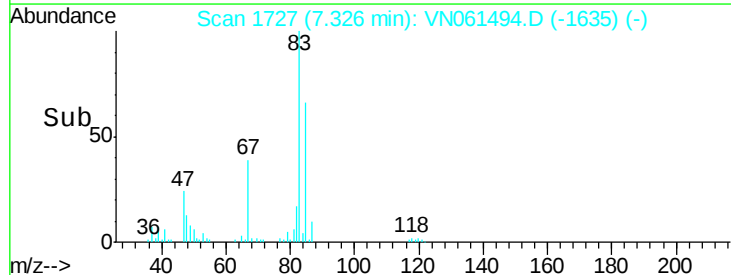
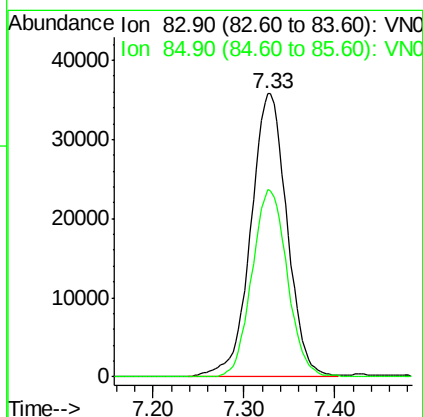
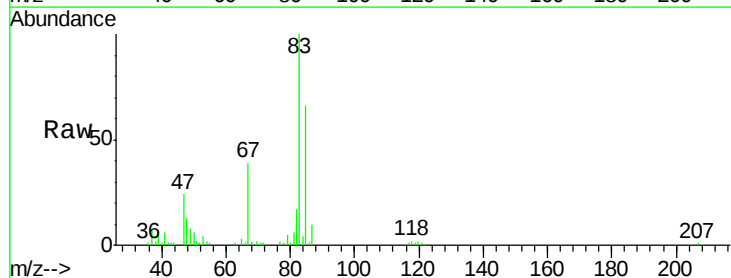
Instrument :
MSVOA_N
ClientSampled :
MW-2DL

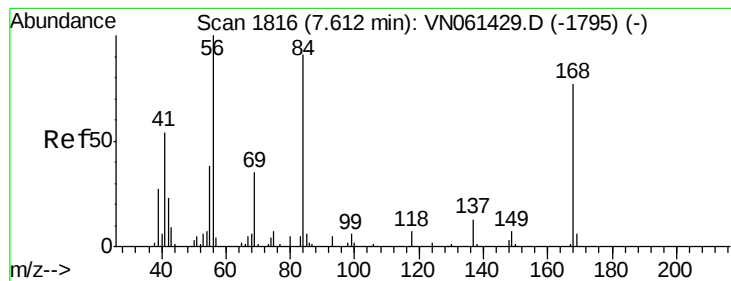
Tot Ion: 42 Resp: 375
Ion Ratio Lower Upper
42 100
72 0.0 39.0 58.6#
71 0.0 36.9 55.3#



#30
Chloroform
Concen: 14.449 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061494.D
Acq: 19 May 2020 19:27

Tgt Ion: 83 Resp: 98982
Ion Ratio Lower Upper
83 100
85 66.0 51.0 76.4





#31

Cyclohexane

Concen: 8.658 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN061494.D

Acq: 19 May 2020 19:27

Instrument :

MSVOA_N

ClientSampled :

MW-2DL

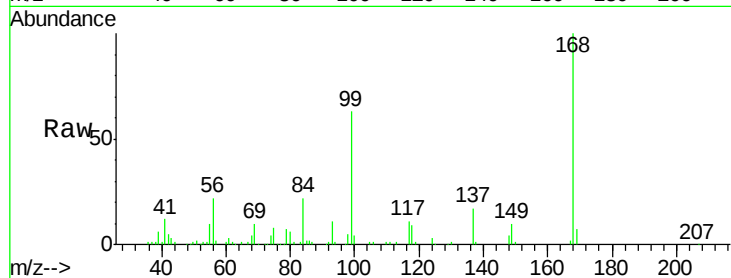
Tot Ion: 56 Resp: 64194

Ion Ratio Lower Upper

56 100

69 46.3 27.8 41.6#

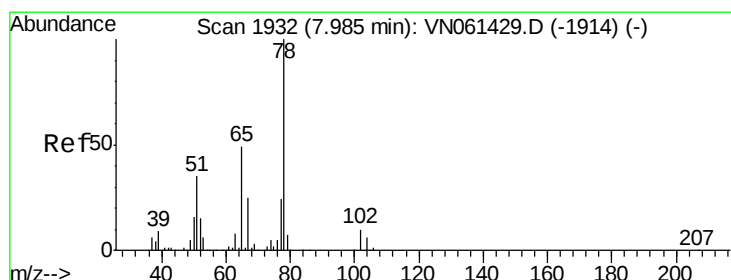
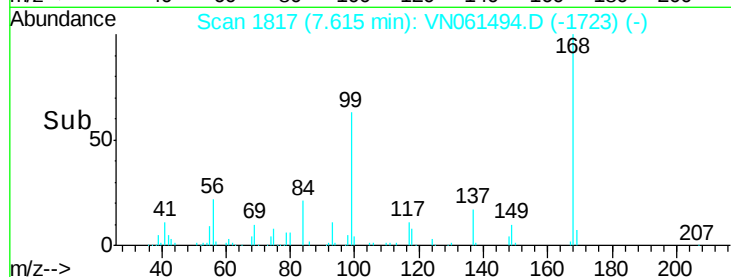
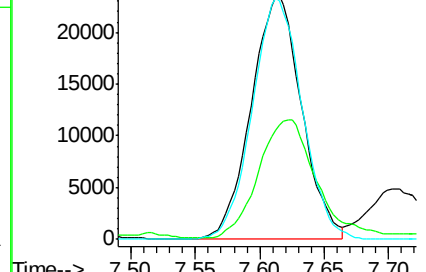
84 98.1 72.7 109.1



Abundance Ion 56.00 (55.70 to 56.70): VN061494.D (-1795) (-)

Ion 69.00 (68.70 to 69.70): VN061494.D (-1795) (-)

Ion 84.00 (83.70 to 84.70): VN061494.D (-1795) (-)



#33

1,2-Dichloroethane-d4

Concen: 45.999 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061494.D

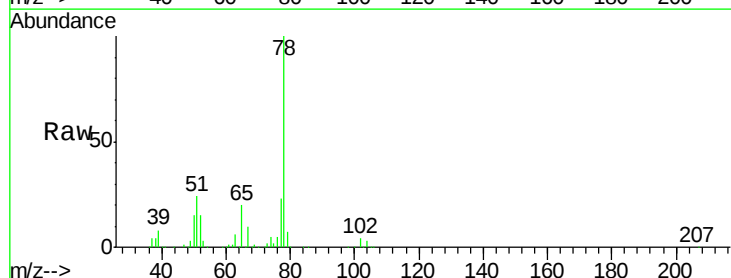
Acq: 19 May 2020 19:27

Tgt Ion: 65 Resp: 205931

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.4

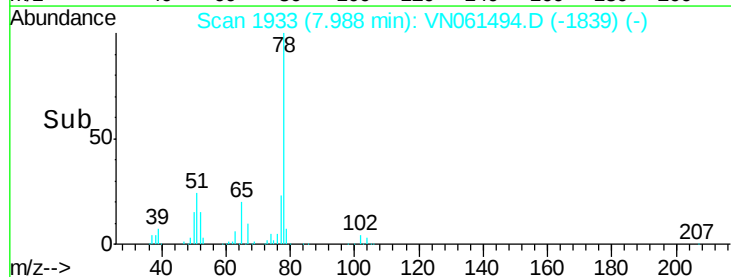


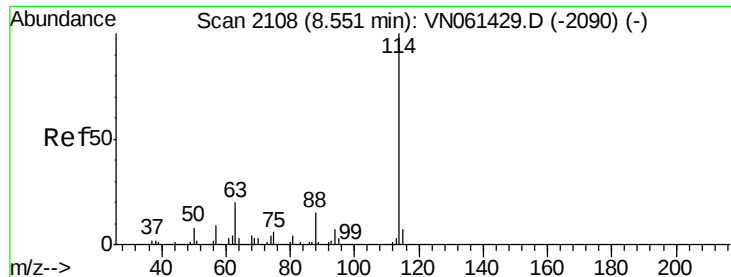
Abundance Ion 64.90 (64.60 to 65.60): VN061494.D (-1839) (-)

Ion 66.90 (66.60 to 67.60): VN061494.D (-1839) (-)

Ion 68.90 (68.60 to 69.60): VN061494.D (-1839) (-)

Ion 70.90 (70.60 to 71.60): VN061494.D (-1839) (-)

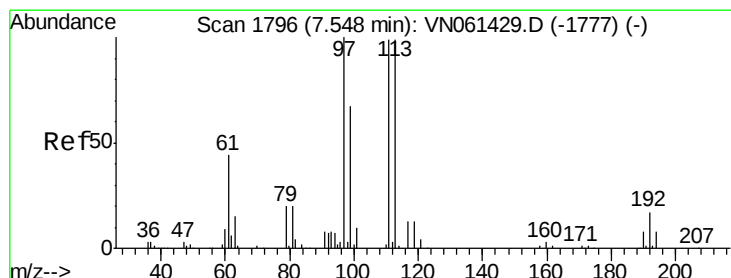
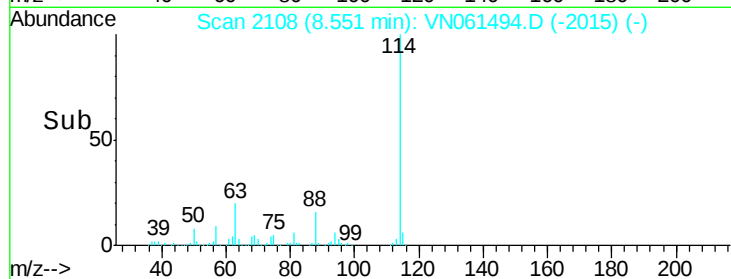
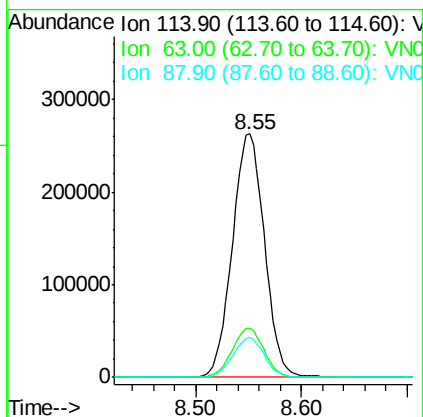
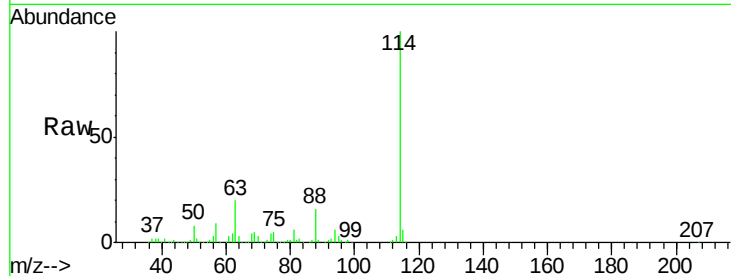




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN061494.D
Acq: 19 May 2020 19:27

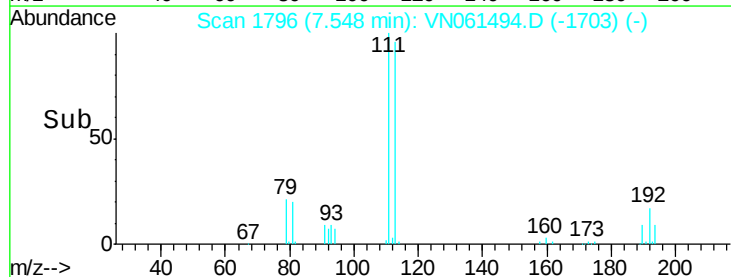
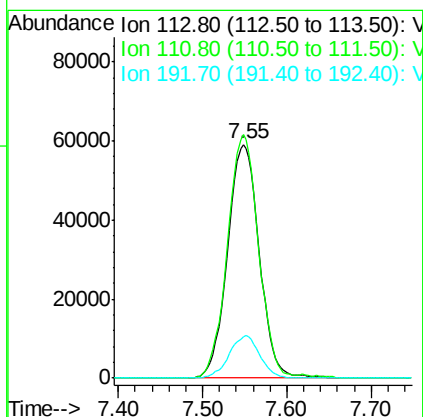
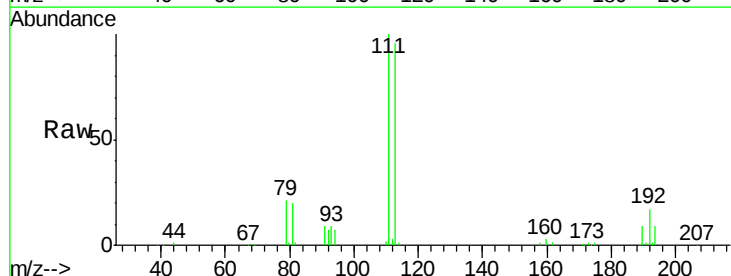
Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

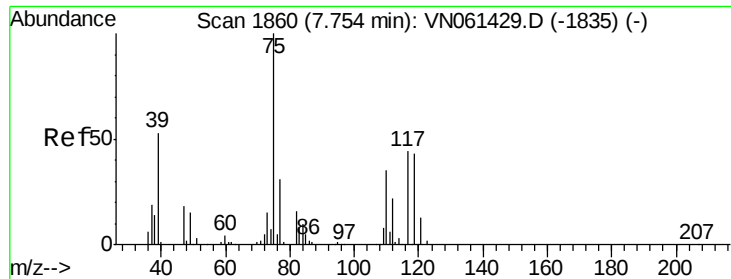
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.8
88	16.2	0.0	30.8



#35
Dibromofluoromethane
Concen: 53.040 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN061494.D
Acq: 19 May 2020 19:27

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	80.6	121.0
192	17.5	13.2	19.8

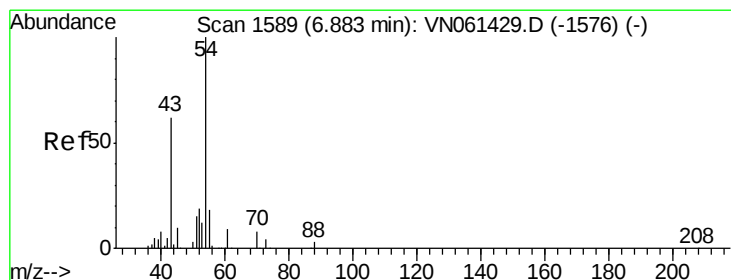
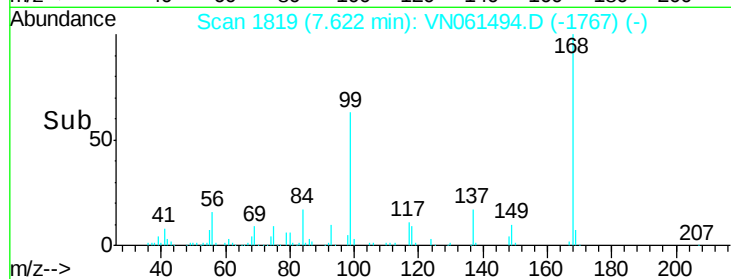
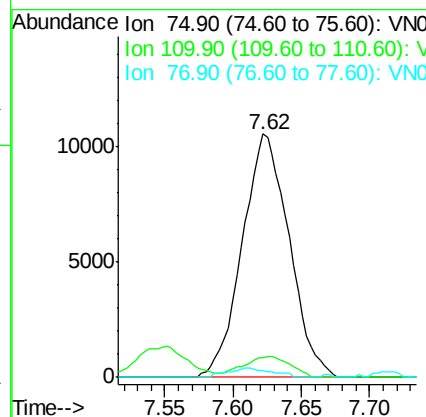
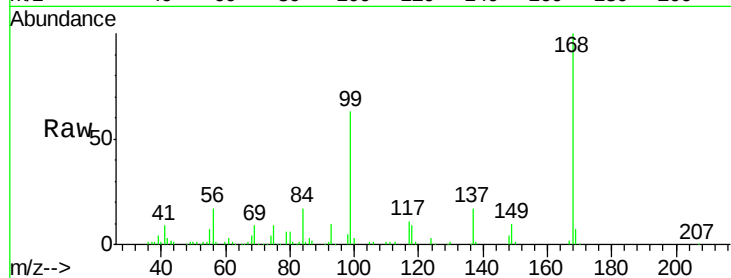




#36
 1,1-Dichloropropene
 Concen: 4.837 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061494.D
 Acq: 19 May 2020 19:27

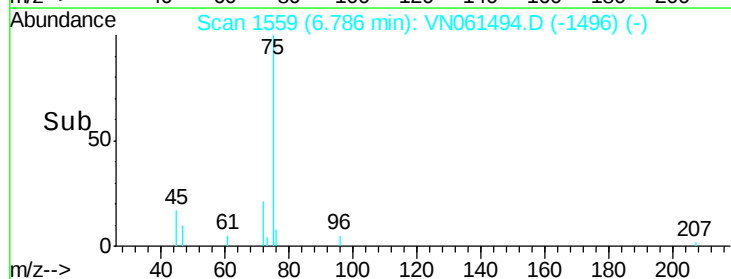
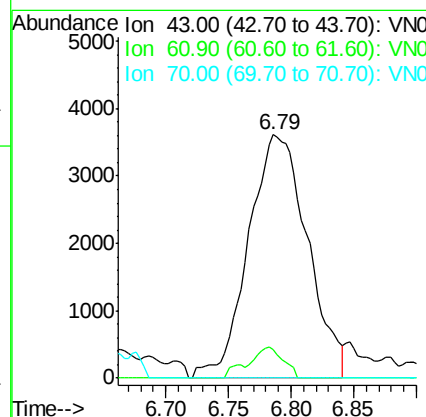
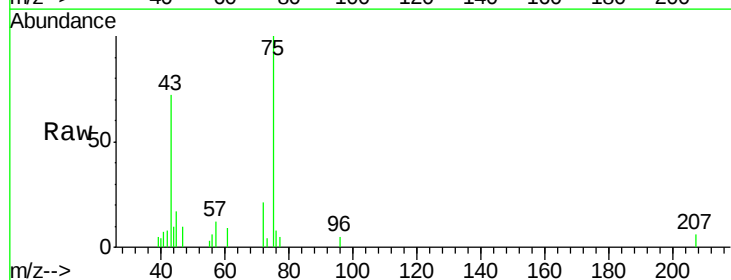
Instrument :
 MSVOA_N
 ClientSampled :
 MW-2DL

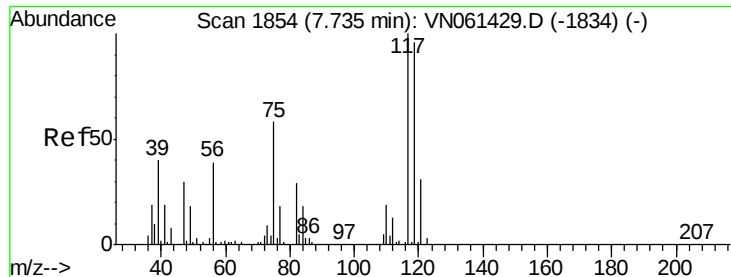
Tot Ion	75	Resp	25148
Ion Ratio	Lower	Upper	
75	100		
110	8.7	17.3	51.9#
77	0.0	24.9	37.3#



#37
 Ethyl Acetate
 Concen: 2.501 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.10 min
 Lab File: VN061494.D
 Acq: 19 May 2020 19:27

Tgt Ion	43	Resp	11791
Ion Ratio	Lower	Upper	
43	100		
61	6.2	11.7	17.5#
70	0.0	9.2	13.8#

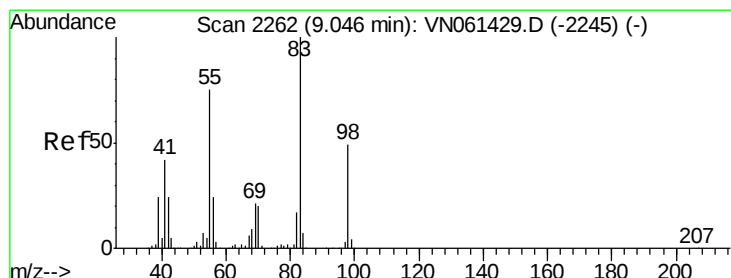
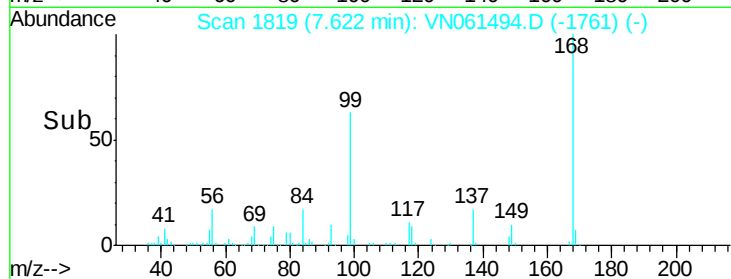
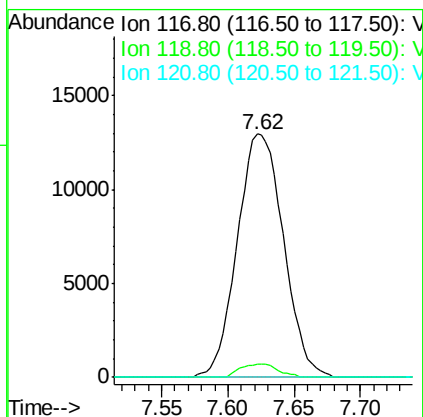
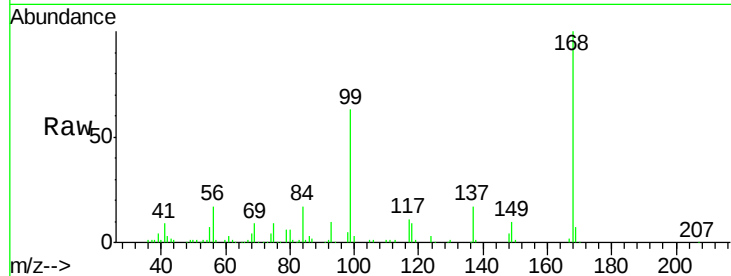




#38
Carbon Tetrachloride
Concen: 6.570 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. -0.11 min
Lab File: VN061494.D
Acq: 19 May 2020 19:27

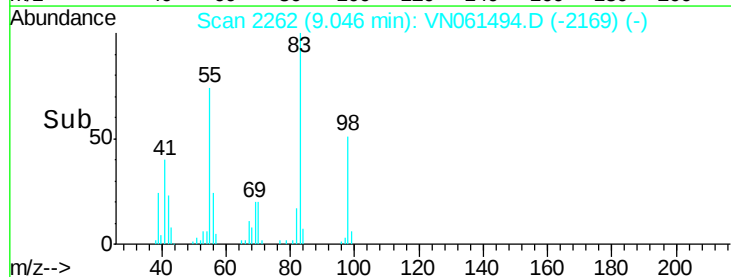
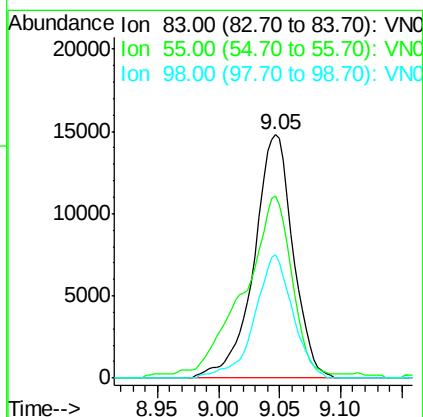
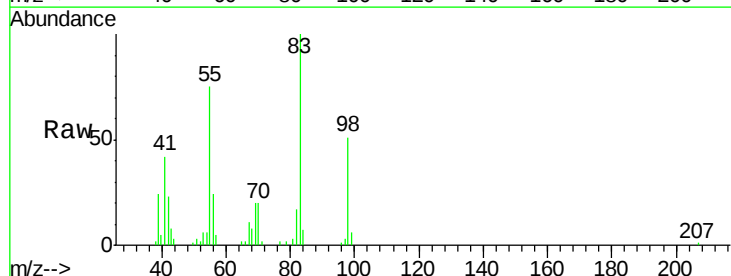
Instrument :
MSVOA_N
ClientSampled :
MW-2DL

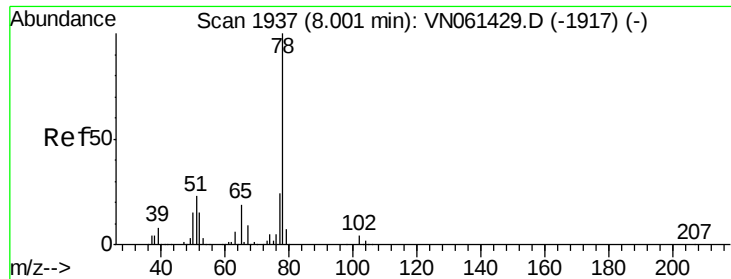
Tot Ion:117 Resp: 31457
Ion Ratio Lower Upper
117 100
119 5.2 77.0 115.6#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 5.172 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061494.D
Acq: 19 May 2020 19:27

Tgt Ion: 83 Resp: 32847
Ion Ratio Lower Upper
83 100
55 73.0 59.7 89.5
98 50.8 38.9 58.3





#40

Benzene

Concen: 94.578 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN061494.D

Acq: 19 May 2020 19:27

Instrument :

MSVOA_N

ClientSampleId :

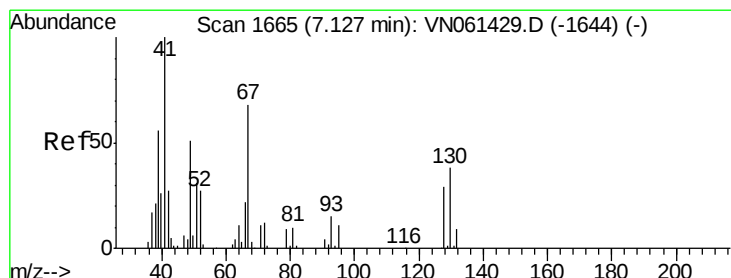
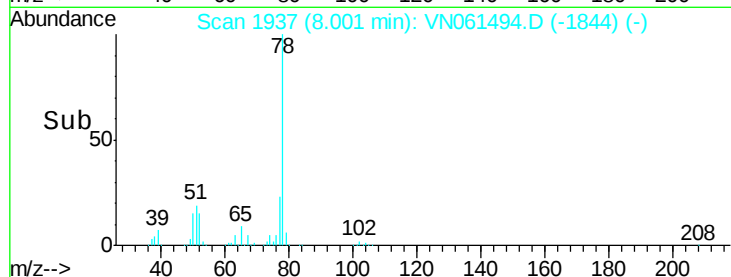
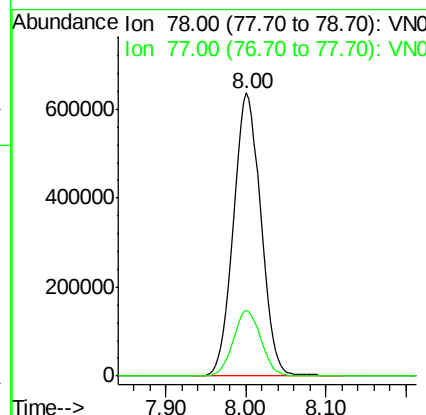
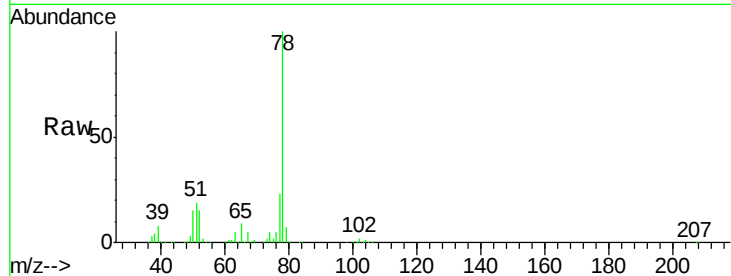
MW-2DL

Tot Ion: 78 Resp: 1481935

Ion Ratio Lower Upper

78 100

77 23.3 19.1 28.7



#41

Methacrylonitrile

Concen: 0.740 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. 0.04 min

Lab File: VN061494.D

Acq: 19 May 2020 19:27

Tgt Ion: 41 Resp: 1473

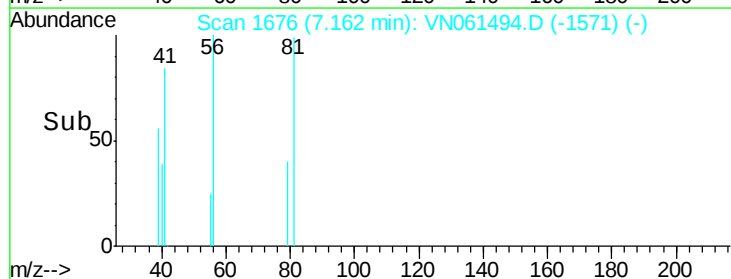
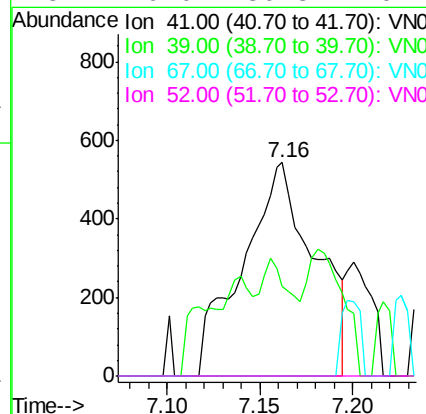
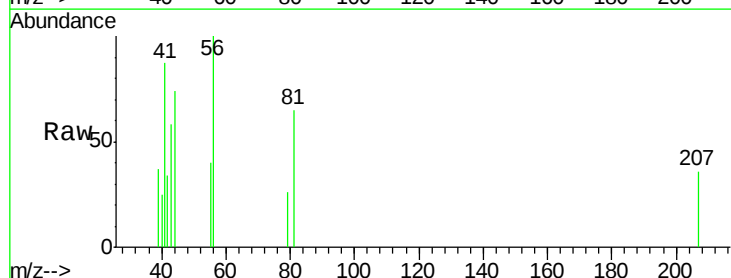
Ion Ratio Lower Upper

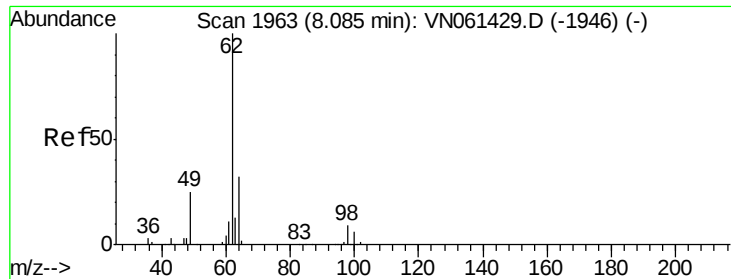
41 100

39 29.4 48.3 72.5#

67 0.0 74.2 111.4#

52 0.0 30.8 46.2#





#42

1,2-Dichloroethane

Concen: 2.185 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.08 min

Lab File: VN061494.D

Acq: 19 May 2020 19:27

Instrument :

MSVOA_N

ClientSampled :

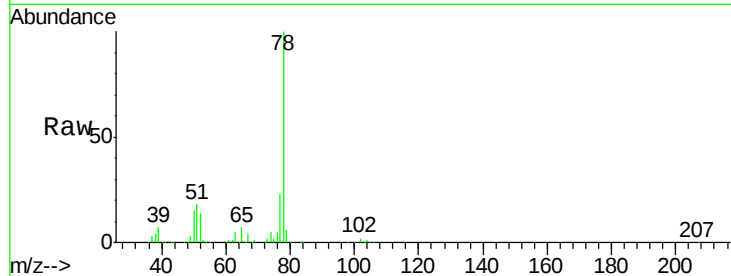
MW-2DL

Tot Ion: 62 Resp: 12336

Ion Ratio Lower Upper

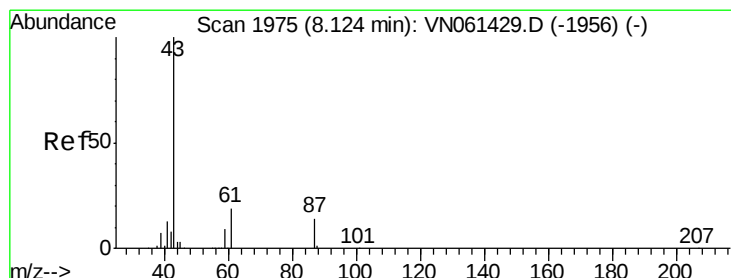
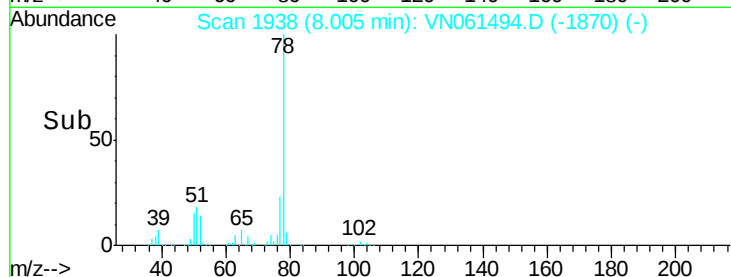
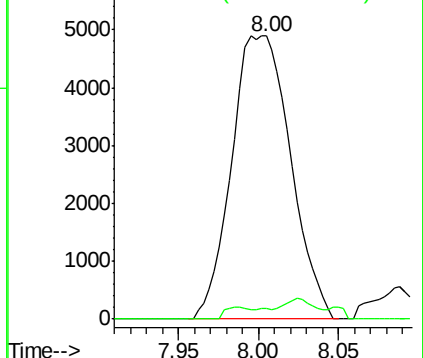
62 100

98 1.8 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#43

Isopropyl Acetate

Concen: 2.645 ug/l

RT: 8.09 min Scan# 1965

Delta R.T. -0.03 min

Lab File: VN061494.D

Acq: 19 May 2020 19:27

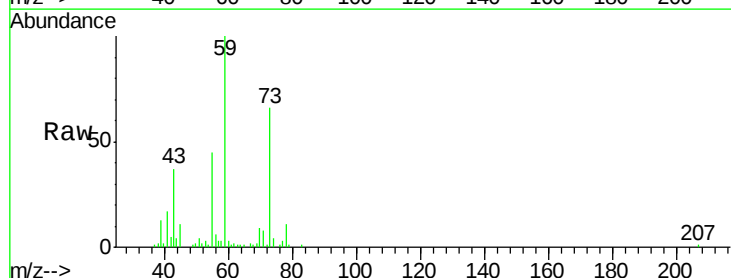
Tgt Ion: 43 Resp: 21754

Ion Ratio Lower Upper

43 100

61 0.0 23.0 34.4#

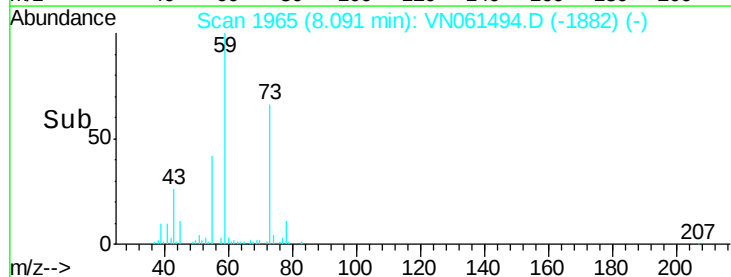
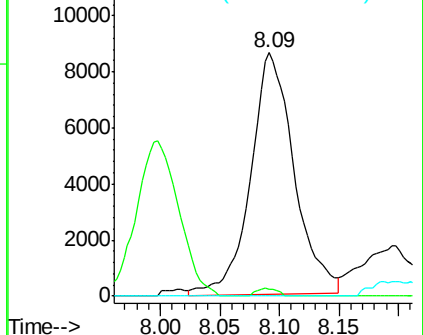
87 0.0 11.6 17.4#

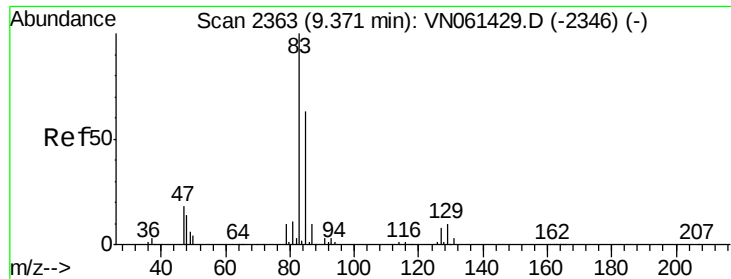


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#47

Bromodichloromethane

Concen: 0.261 ug/l

RT: 9.36 min Scan# 2361

Delta R.T. -0.01 min

Lab File: VN061494.D

Acq: 19 May 2020 19:27

Instrument :

MSVOA_N

ClientSampleId :

MW-2DL

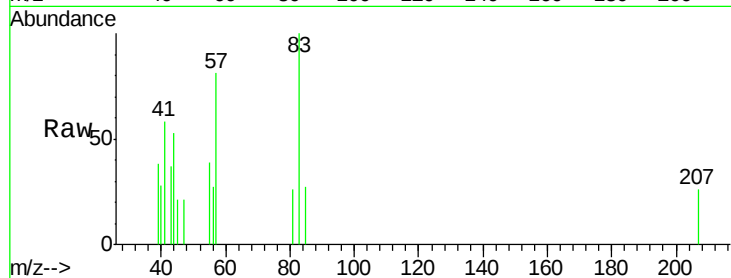
Tot Ion: 83 Resp: 1512

Ion Ratio Lower Upper

83 100

85 27.4 50.6 76.0#

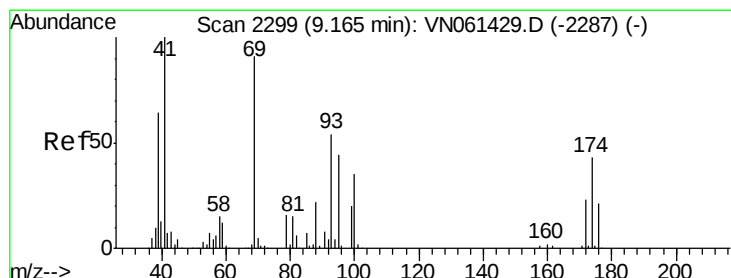
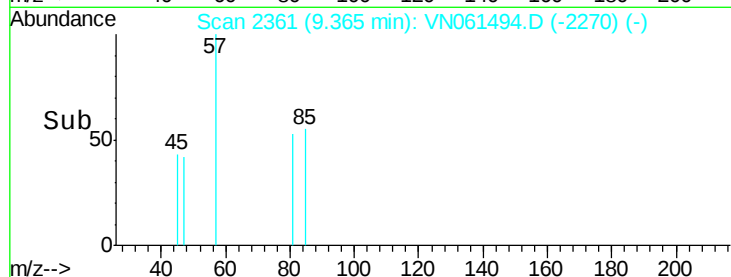
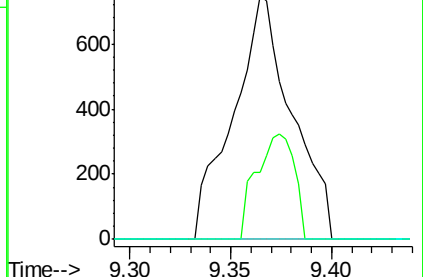
127 0.0 6.1 9.1#



Abundance Ion 82.90 (82.60 to 83.60): VN061494.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061494.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061494.D (-2270) (-)



#48

Methyl methacrylate

Concen: 0.249 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.03 min

Lab File: VN061494.D

Acq: 19 May 2020 19:27

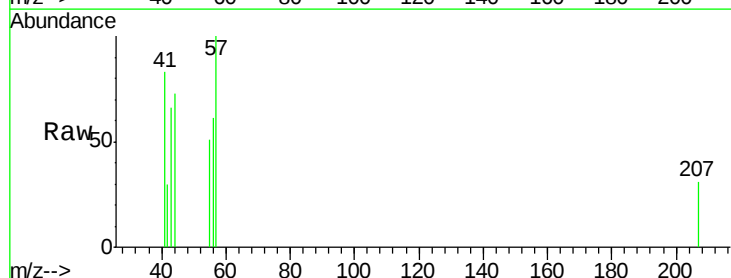
Tgt Ion: 41 Resp: 945

Ion Ratio Lower Upper

41 100

69 0.0 75.3 112.9#

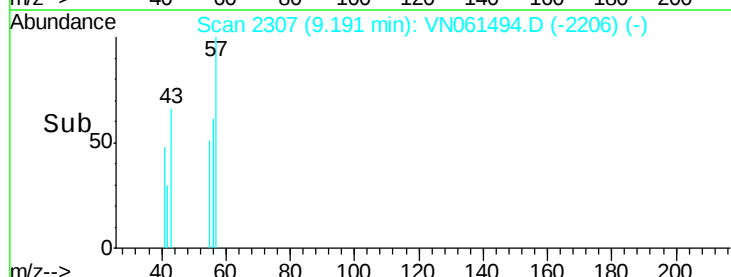
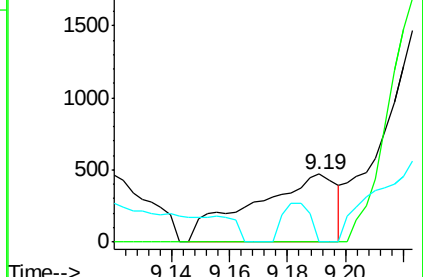
39 0.0 52.6 79.0#

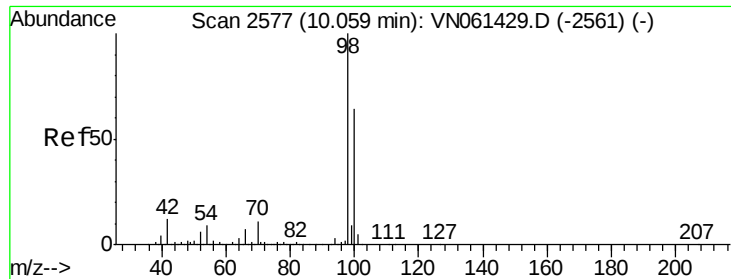


Abundance Ion 41.00 (40.70 to 41.70): VN061494.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061494.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061494.D (-2206) (-)





#50

Toluene-d8

Concen: 50.675 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061494.D

Acq: 19 May 2020 19:27

Instrument :

MSVOA_N

ClientSampleId :

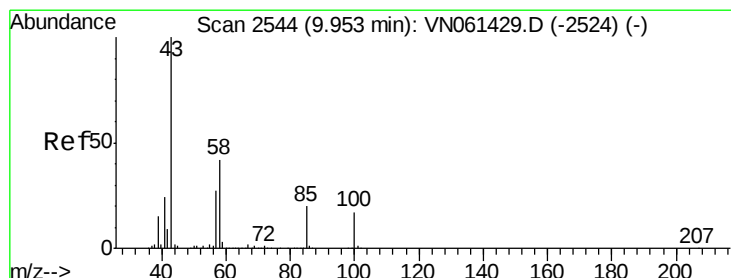
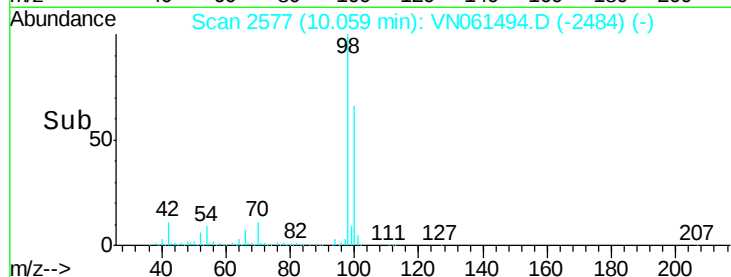
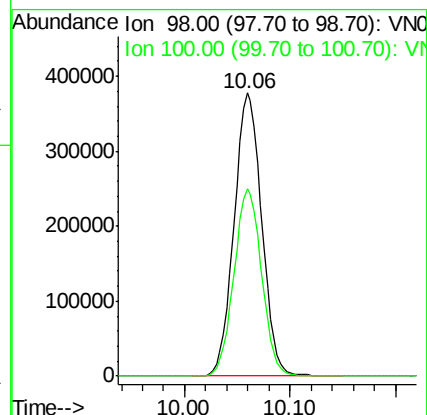
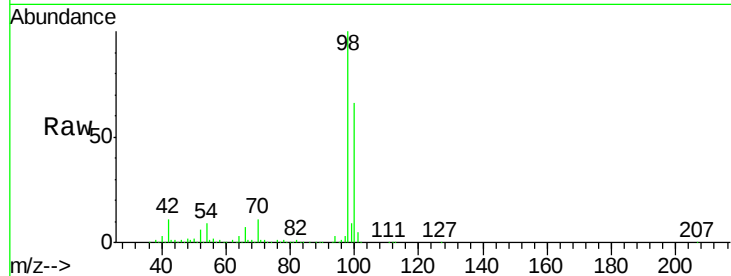
MW-2DL

Tot Ion: 98 Resp: 684688

Ion Ratio Lower Upper

98 100

100 66.0 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 0.541 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061494.D

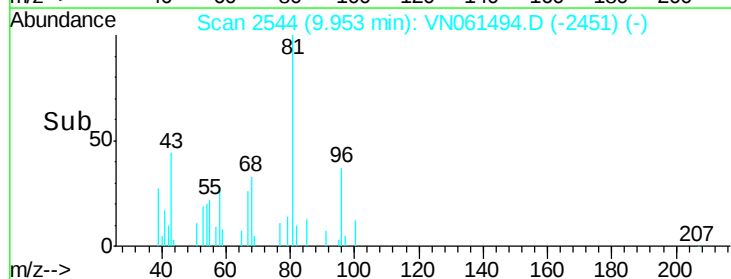
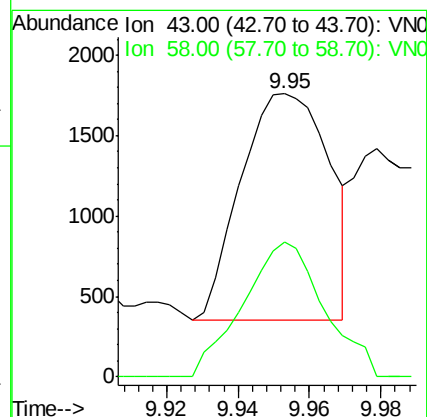
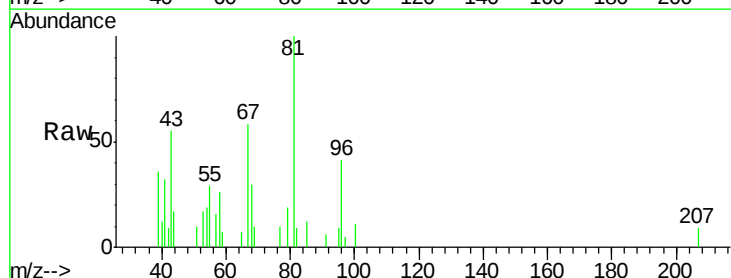
Acq: 19 May 2020 19:27

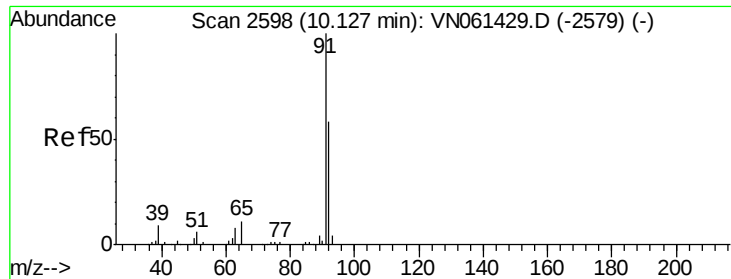
Tgt Ion: 43 Resp: 2422

Ion Ratio Lower Upper

43 100

58 54.1 33.4 50.2#





#52

Toluene

Concen: 260.858 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061494.D

Acq: 19 May 2020 19:27

Instrument :

MSVOA_N

ClientSampleId :

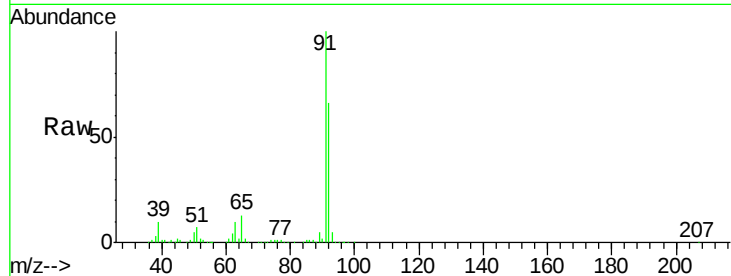
MW-2DL

Tot Ion: 92 Resp: 2624128

Ion Ratio Lower Upper

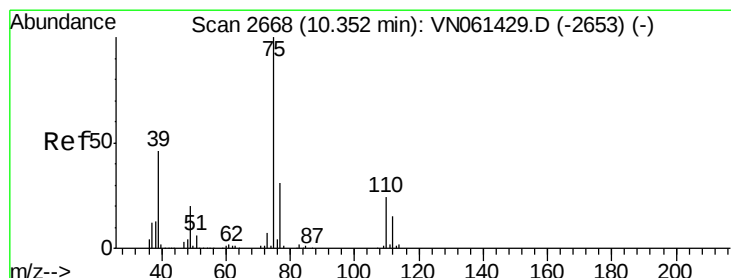
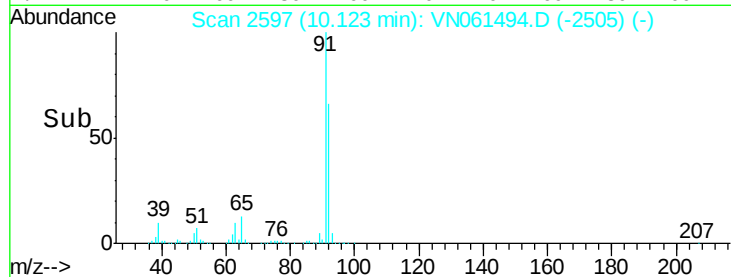
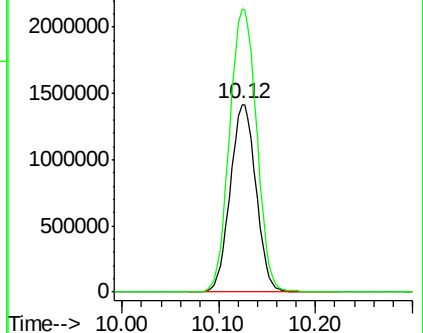
92 100

91 158.9 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN061494.D (-2575) (-)

Ion 91.00 (90.70 to 91.70): VN061494.D (-2575) (-)



#53

t-1,3-Dichloropropene

Concen: 4.637 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.23 min

Lab File: VN061494.D

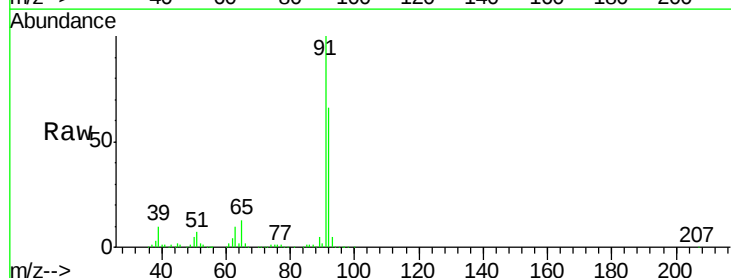
Acq: 19 May 2020 19:27

Tgt Ion: 75 Resp: 29442

Ion Ratio Lower Upper

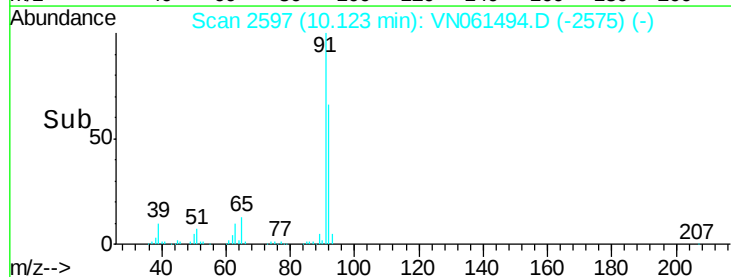
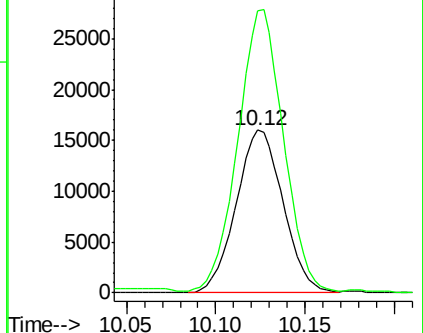
75 100

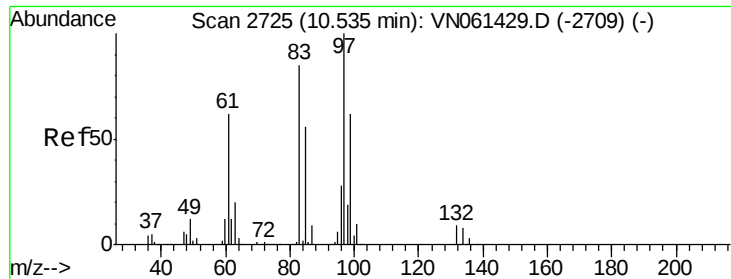
77 171.8 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VN061494.D (-2575) (-)

Ion 76.90 (76.60 to 77.60): VN061494.D (-2575) (-)

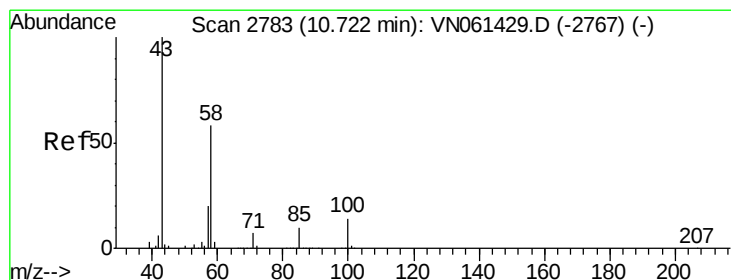
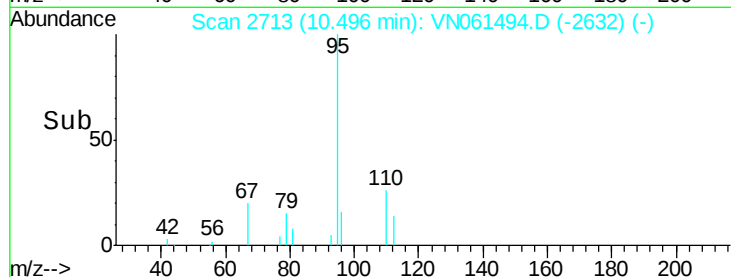
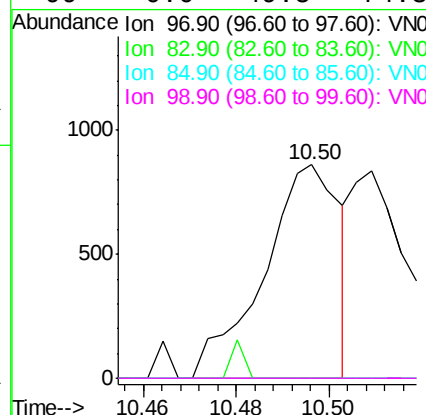
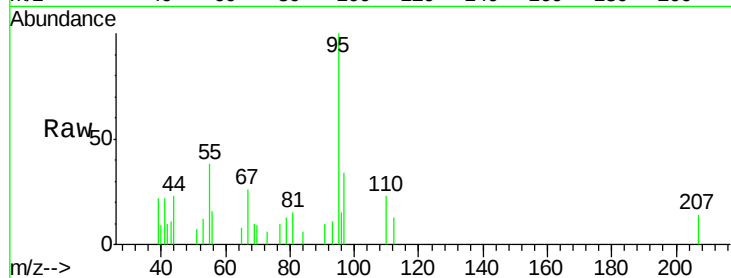




#55
 1,1,2-Trichloroethane
 Concen: 0.258 ug/l
 RT: 10.50 min Scan# 2713
 Delta R.T. -0.04 min
 Lab File: VN061494.D
 Acq: 19 May 2020 19:27

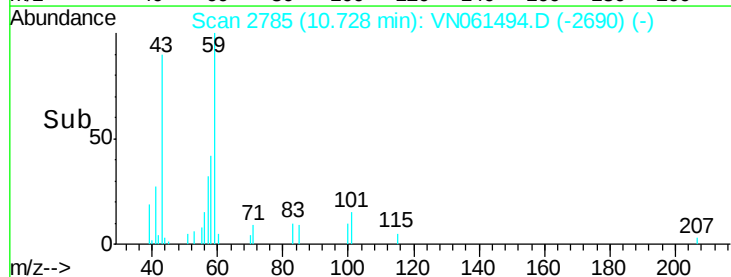
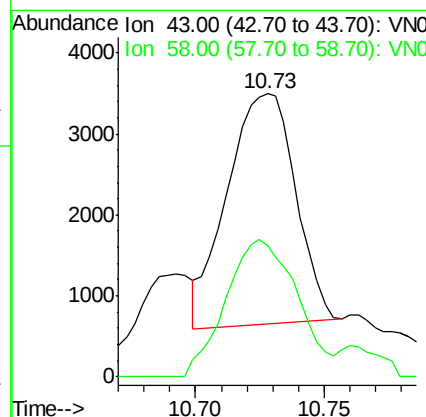
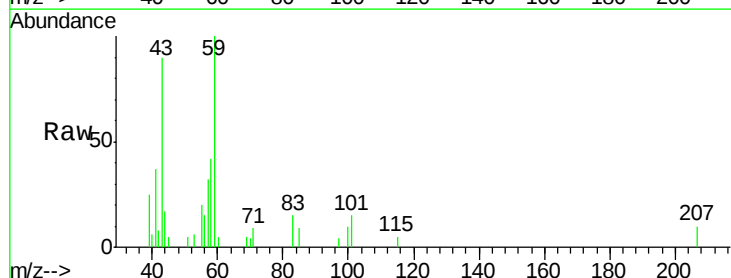
Instrument :
 MSVOA_N
 ClientSampled :
 MW-2DL

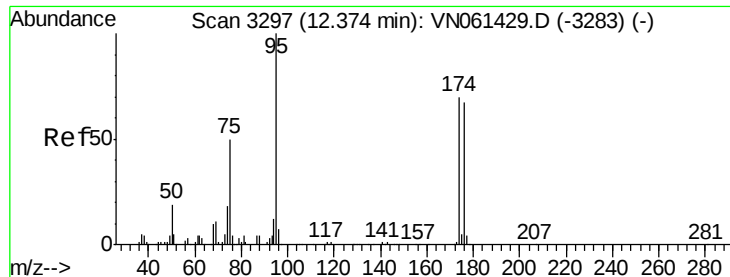
Tot Ion: 97 Resp: 983
 Ion Ratio Lower Upper
 97 100
 83 0.0 68.2 102.4#
 85 0.0 44.6 67.0#
 99 0.0 49.5 74.3#



#59
 2-Hexanone
 Concen: 1.629 ug/l
 RT: 10.73 min Scan# 2785
 Delta R.T. 0.01 min
 Lab File: VN061494.D
 Acq: 19 May 2020 19:27

Tgt Ion: 43 Resp: 5279
 Ion Ratio Lower Upper
 43 100
 58 62.0 29.2 87.6





#62

4-Bromofluorobenzene

Concen: 55.801 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061494.D

Acq: 19 May 2020 19:27

Instrument :

MSVOA_N

ClientSampled :

MW-2DL

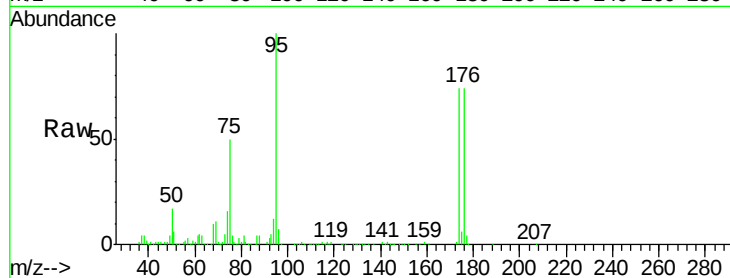
Tot Ion: 95 Resp: 281680

Ion Ratio Lower Upper

95 100

174 74.2 0.0 141.2

176 72.3 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN061429.D (-3283) (-)

Ion 173.80 (173.50 to 174.50): VN061429.D (-3283) (-)

Ion 175.80 (175.50 to 176.50): VN061429.D (-3283) (-)

12.38

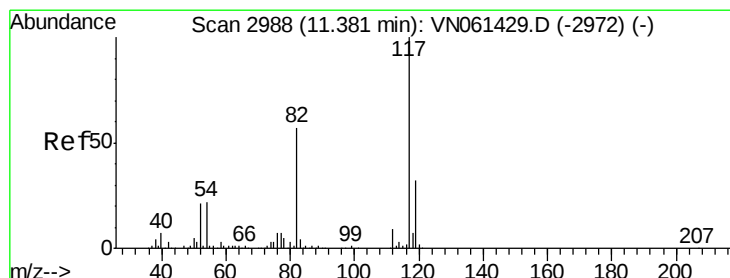
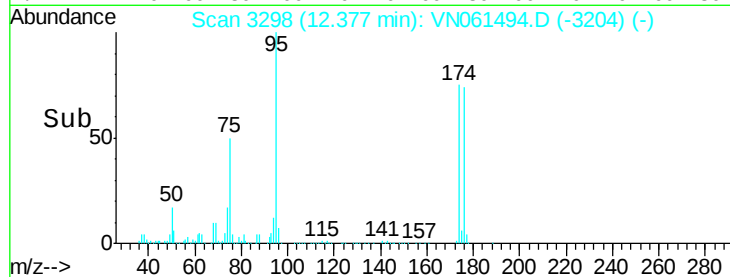
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN061494.D

Acq: 19 May 2020 19:27

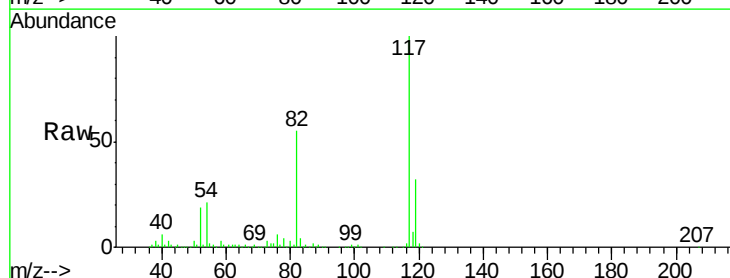
Tgt Ion: 117 Resp: 548435

Ion Ratio Lower Upper

117 100

82 55.4 45.2 67.8

119 31.8 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VN061429.D (-2972) (-)

Ion 82.00 (81.70 to 82.70): VN061429.D (-2972) (-)

Ion 118.90 (118.60 to 119.60): VN061429.D (-2972) (-)

11.38

400000

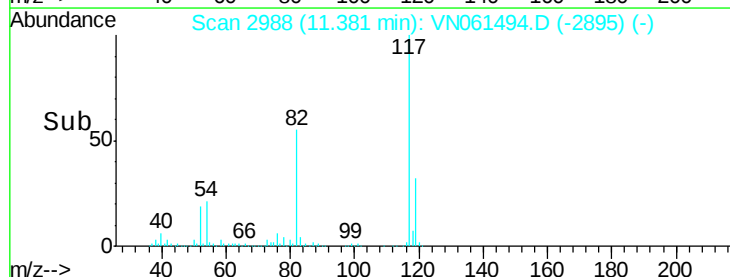
300000

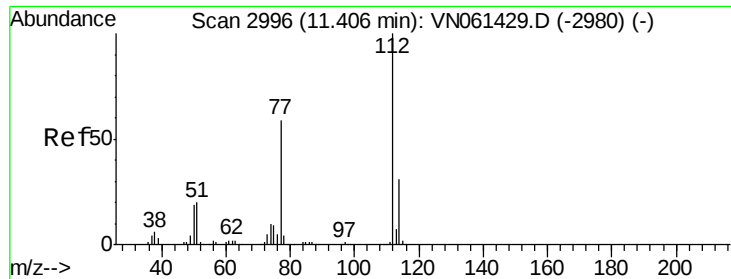
200000

100000

0

Time-->

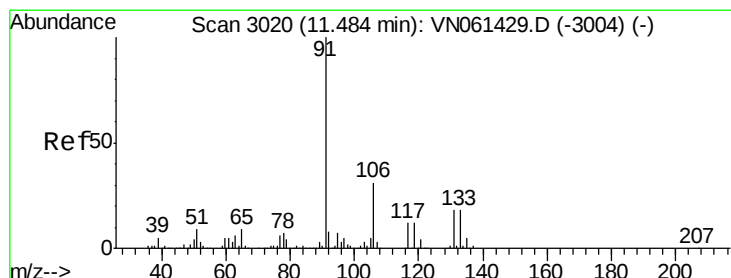
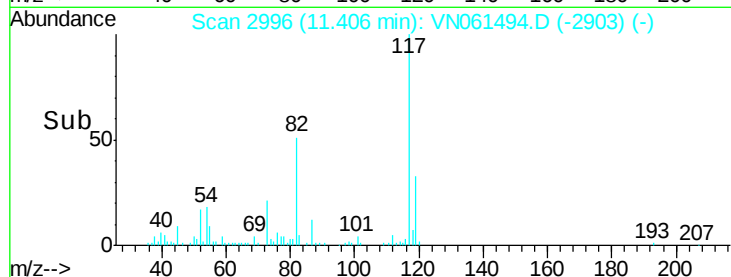
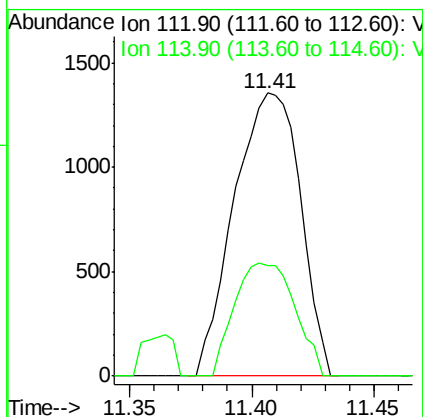
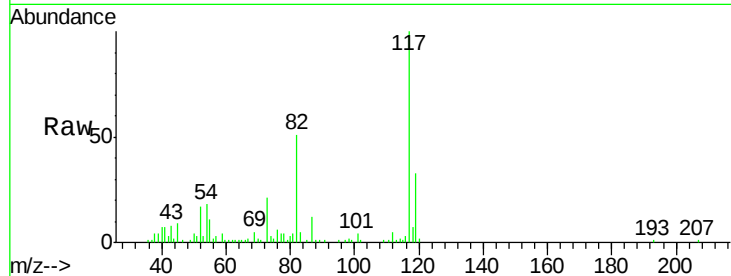




#65
Chlorobenzene
Concen: 0.229 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061494.D
Acq: 19 May 2020 19:27

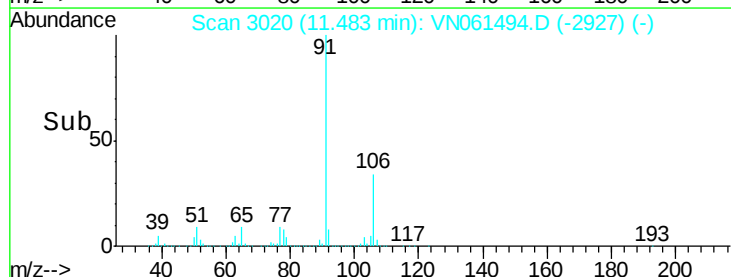
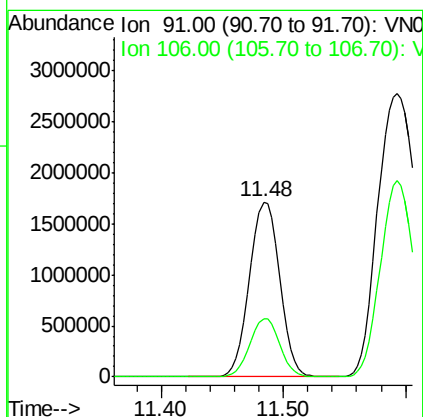
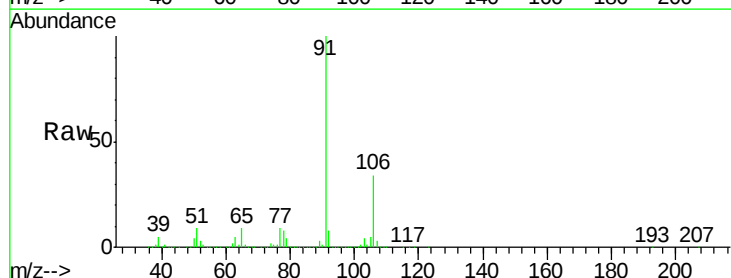
Instrument :
MSVOA_N
ClientSampled :
MW-2DL

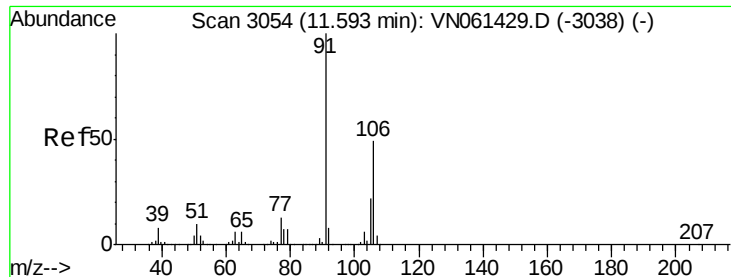
Tot Ion:112 Resp: 2556
Ion Ratio Lower Upper
112 100
114 39.2 25.0 37.6#



#67
Ethyl Benzene
Concen: 143.730 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061494.D
Acq: 19 May 2020 19:27

Tgt Ion: 91 Resp: 2934229
Ion Ratio Lower Upper
91 100
106 33.5 24.6 36.8

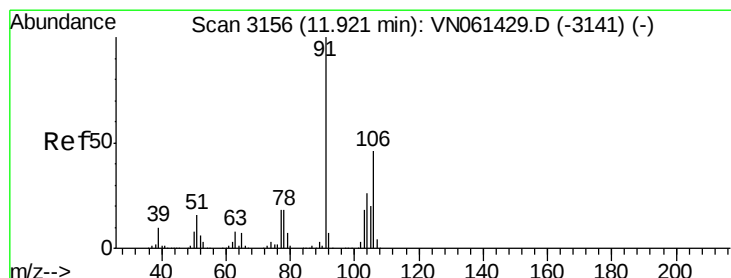
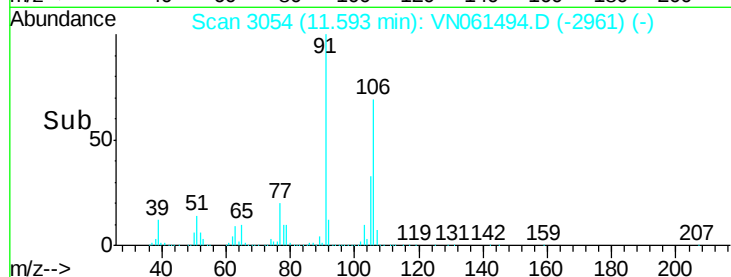
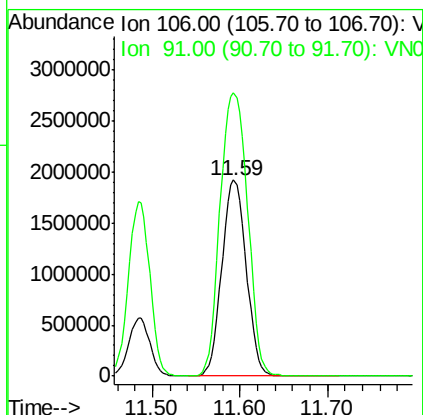
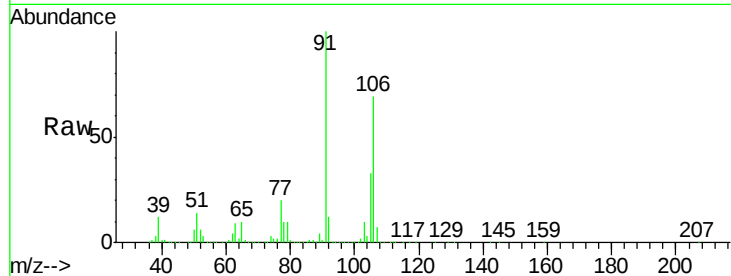




#68
m/p-Xylenes
Concen: 480.282 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061494.D
Acq: 19 May 2020 19:27

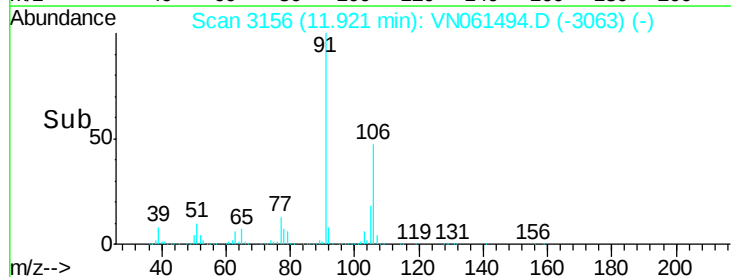
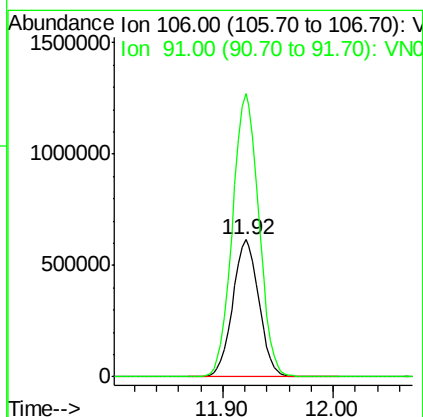
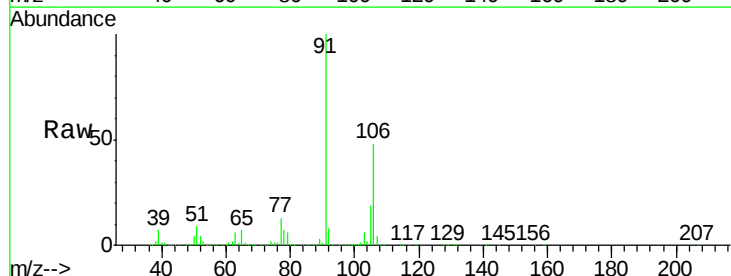
Instrument :
MSVOA_N
ClientSampled :
MW-2DL

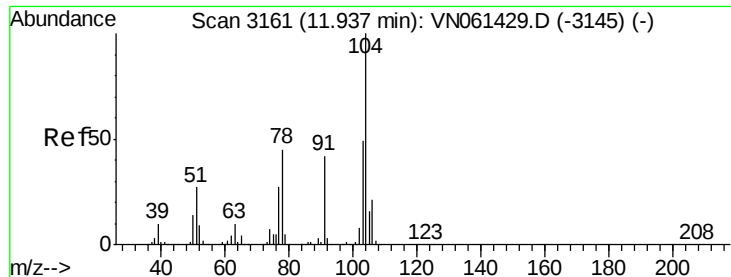
Tot Ion:106 Resp: 3721671
Ion Ratio Lower Upper
106 100
91 163.0 163.0 244.6#



#69
o-Xylene
Concen: 134.914 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061494.D
Acq: 19 May 2020 19:27

Tgt Ion:106 Resp: 1011686
Ion Ratio Lower Upper
106 100
91 209.1 107.9 323.7

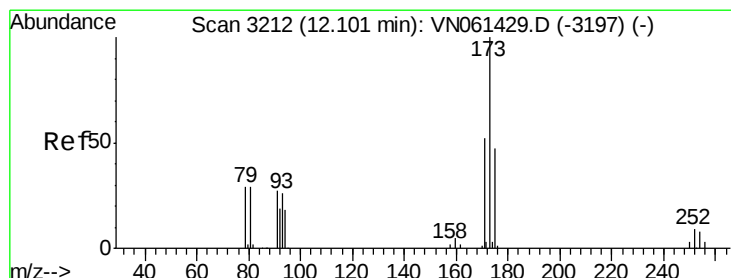
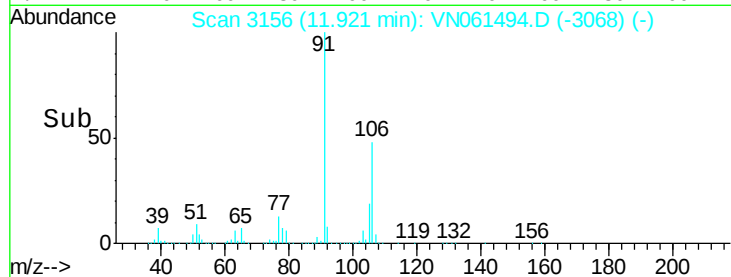
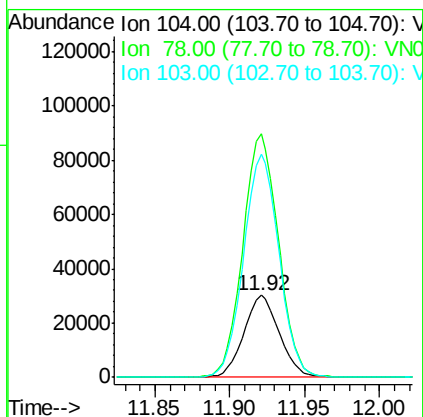
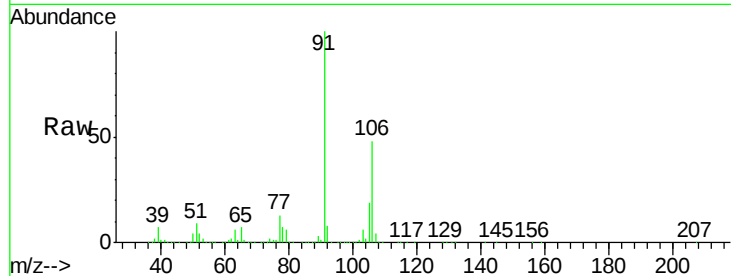




#70
Stvrene
Concen: 4.028 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.02 min
Lab File: VN061494.D
Acq: 19 May 2020 19:27

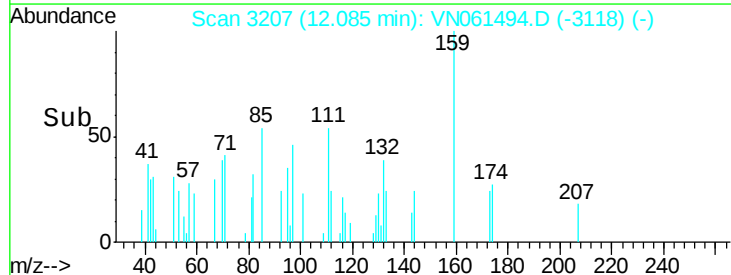
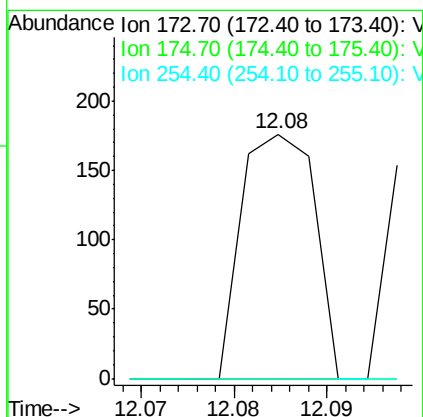
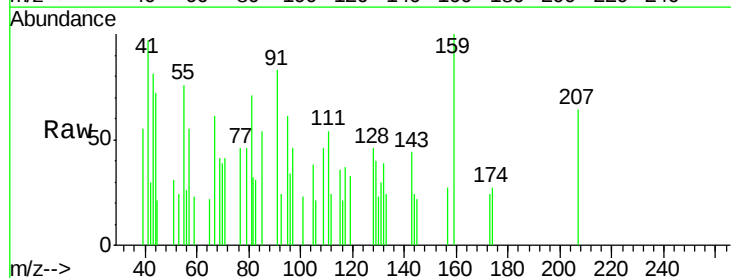
Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

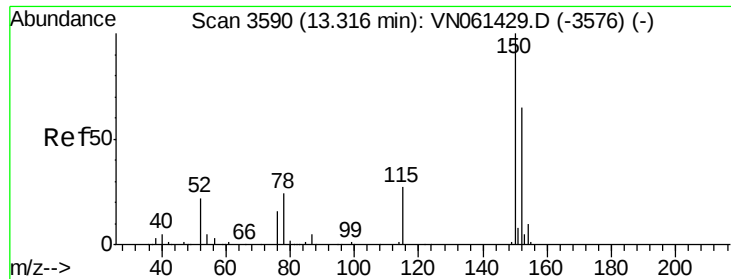
Tot Ion:104 Resp: 50022
Ion Ratio Lower Upper
104 100
78 297.6 40.7 61.1#
103 270.9 43.0 64.4#



#71
Bromoform
Concen: 2.050 ug/l
RT: 12.08 min Scan# 3207
Delta R.T. -0.02 min
Lab File: VN061494.D
Acq: 19 May 2020 19:27

Tgt Ion:173 Resp: 96
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN061494.D

Acq: 19 May 2020 19:27

Instrument :

MSVOA_N

ClientSampled :

MW-2DL

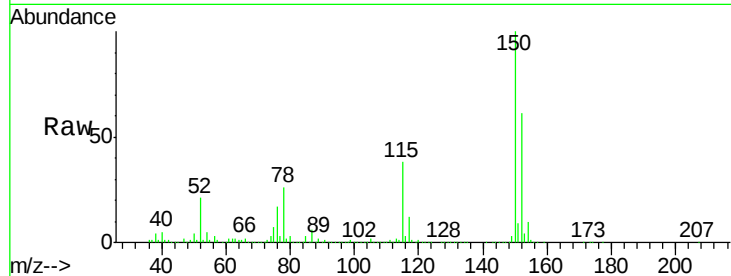
Tot Ion:152 Resp: 257400

Ion Ratio Lower Upper

152 100

115 69.7 30.9 92.5

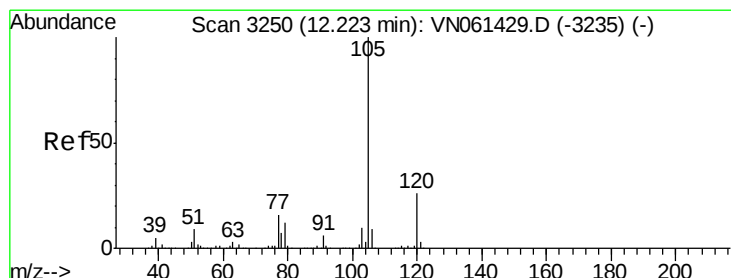
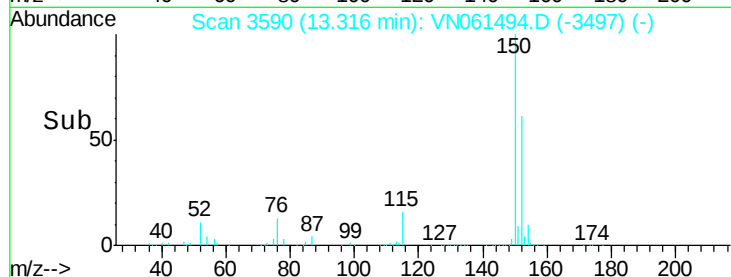
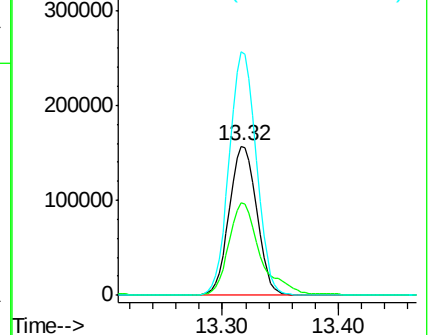
150 161.2 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 6.447 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061494.D

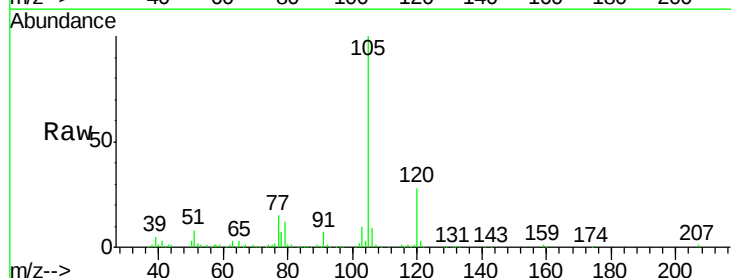
Acq: 19 May 2020 19:27

Tgt Ion:105 Resp: 133224

Ion Ratio Lower Upper

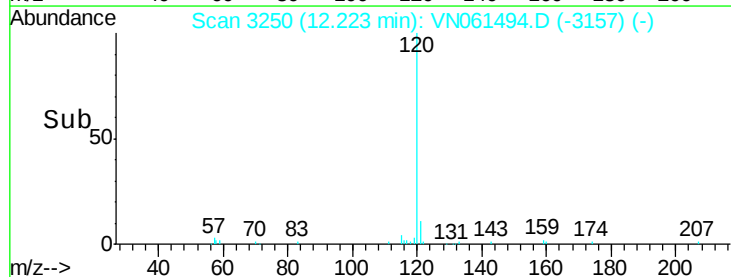
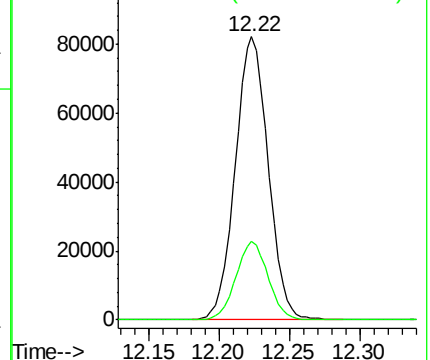
105 100

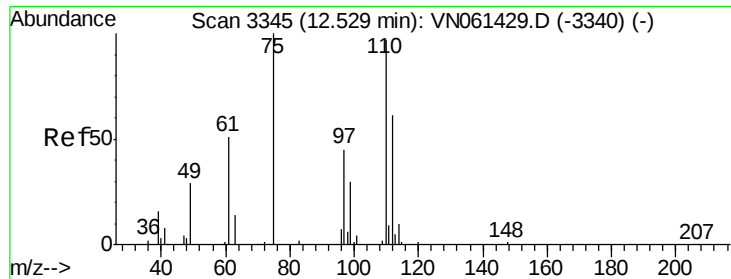
120 27.1 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

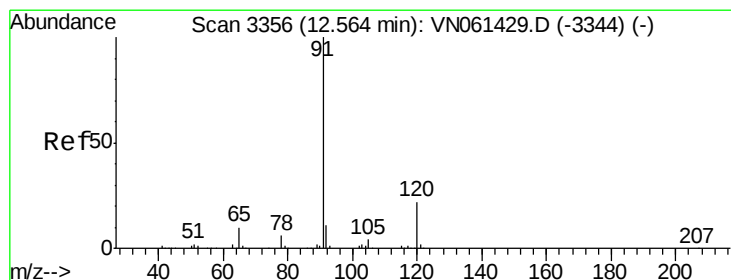
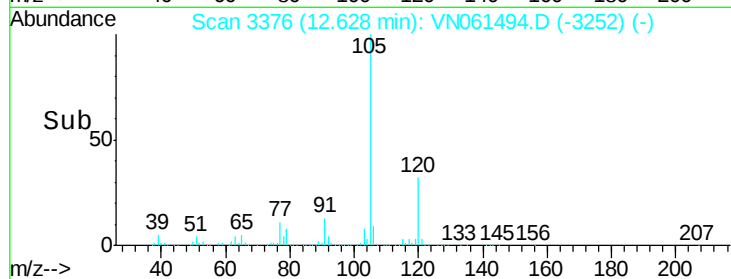
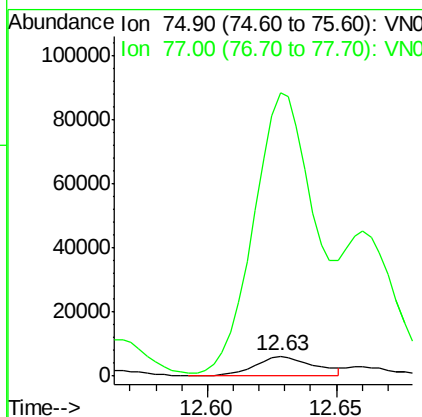
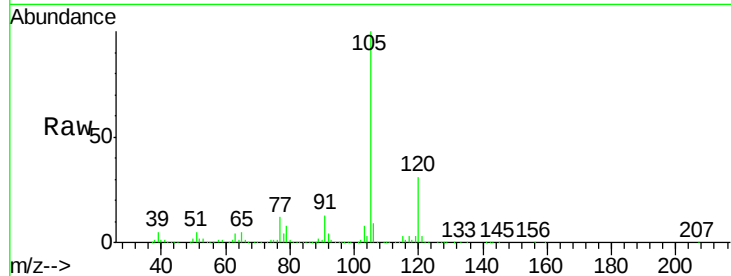




#76
 1,2,3-Trichloropropane
 Concen: 1.726 ug/l
 RT: 12.63 min Scan# 3376
 Delta R.T. 0.10 min
 Lab File: VN061494.D
 Acq: 19 May 2020 19:27

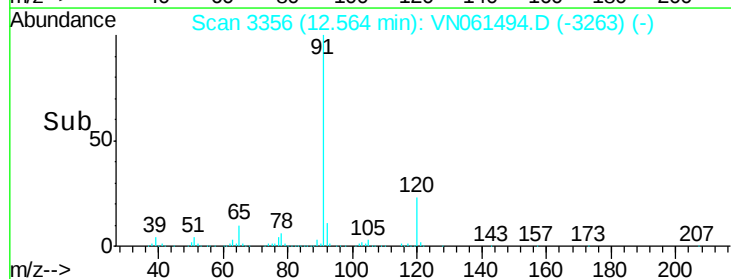
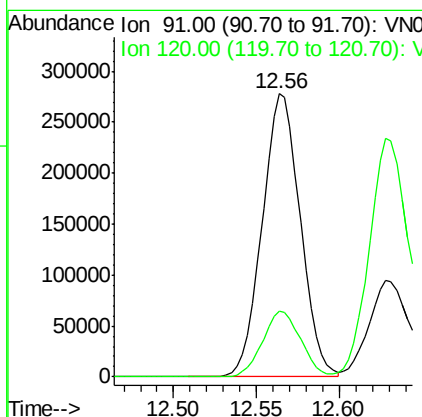
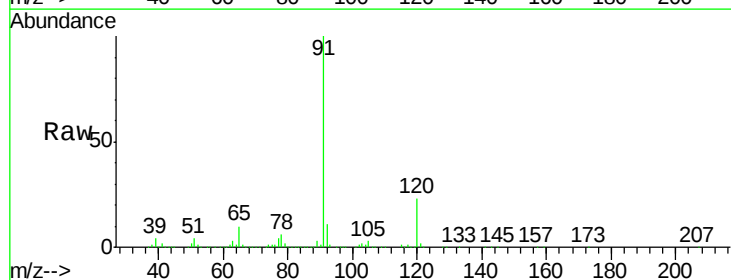
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2DL

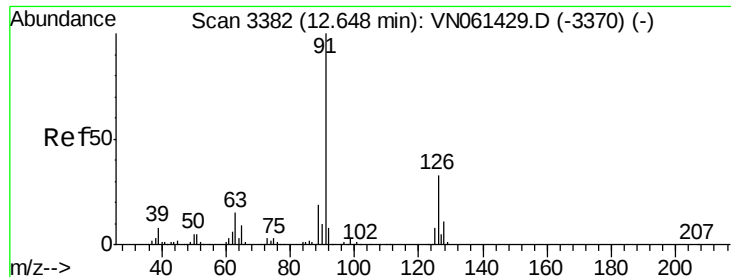
Tot Ion: 75 Resp: 9532
 Ion Ratio Lower Upper
 75 100
 77 1522.4 0.0 0.0#



#78
 n-propylbenzene
 Concen: 18.861 ug/l
 RT: 12.56 min Scan# 3356
 Delta R.T. -0.00 min
 Lab File: VN061494.D
 Acq: 19 May 2020 19:27

Tgt Ion: 91 Resp: 444072
 Ion Ratio Lower Upper
 91 100
 120 23.4 11.2 33.6

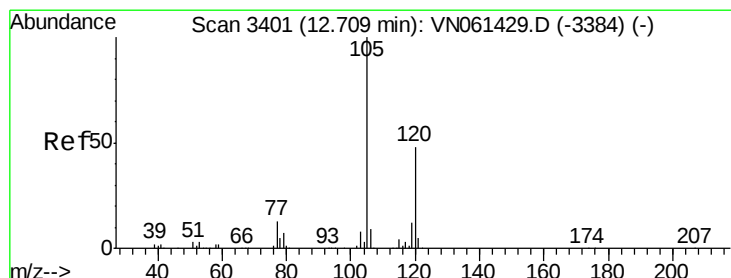
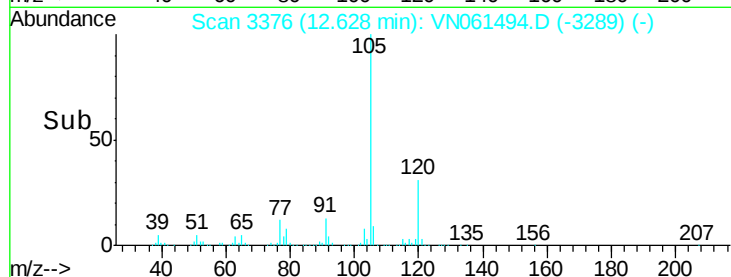
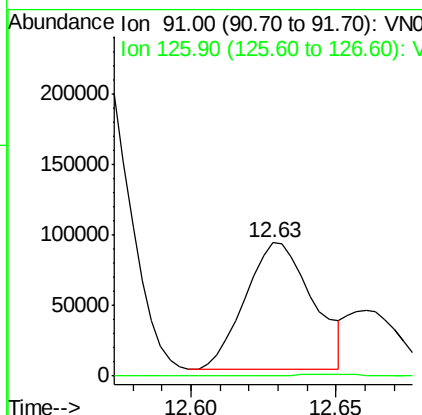
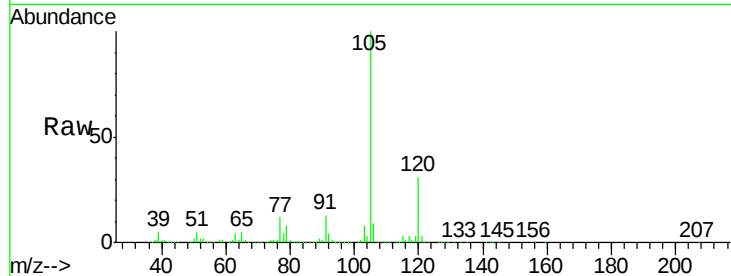




#79
 2-Chlorotoluene
 Concen: 10.510 ug/l
 RT: 12.63 min Scan# 3376
 Delta R.T. -0.02 min
 Lab File: VN061494.D
 Acq: 19 May 2020 19:27

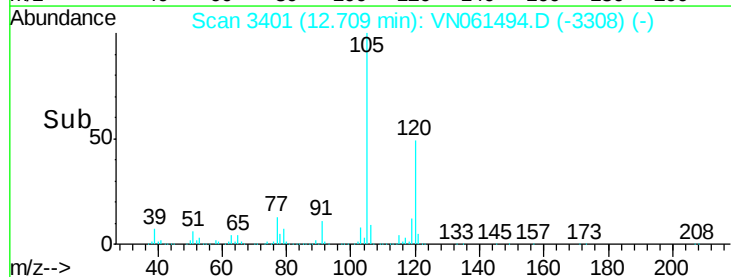
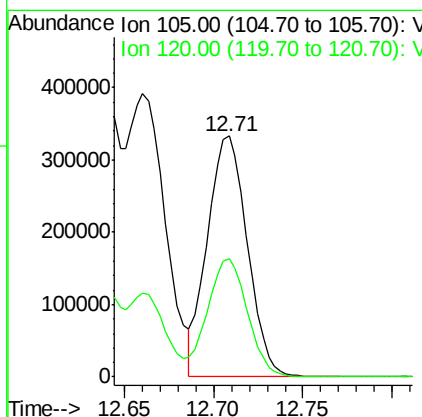
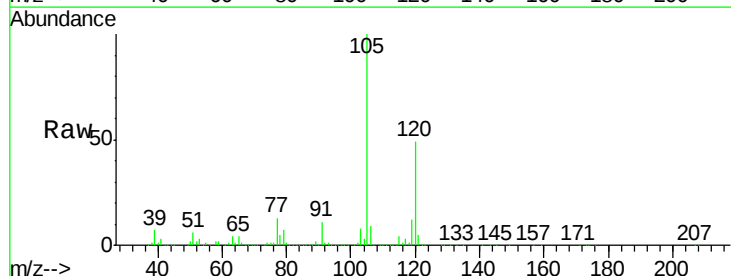
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2DL

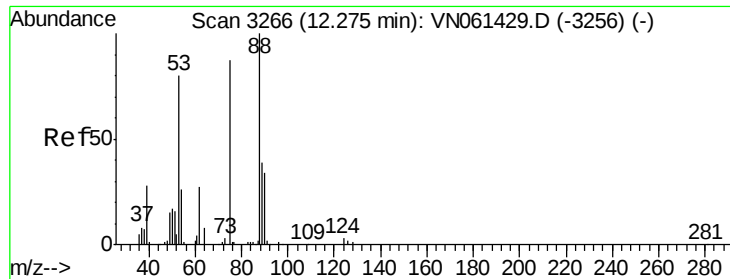
Tot Ion: 91 Resp: 146271
 Ion Ratio Lower Upper
 91 100
 126 0.2 16.3 48.9#



#80
 1,3,5-Trimethylbenzene
 Concen: 30.376 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061494.D
 Acq: 19 May 2020 19:27

Tgt Ion: 105 Resp: 513942
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 68.912 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061494.D

Acq: 19 May 2020 19:27

Instrument :

MSVOA_N

ClientSampled :

MW-2DL

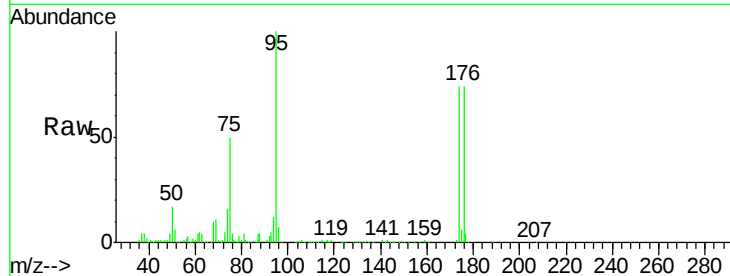
Tot Ion: 75 Resp: 143476

Ion Ratio Lower Upper

75 100

53 0.2 75.2 112.8#

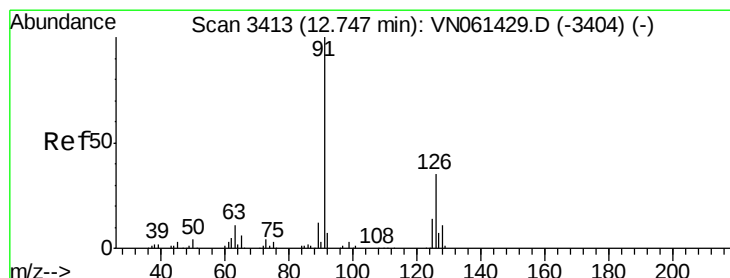
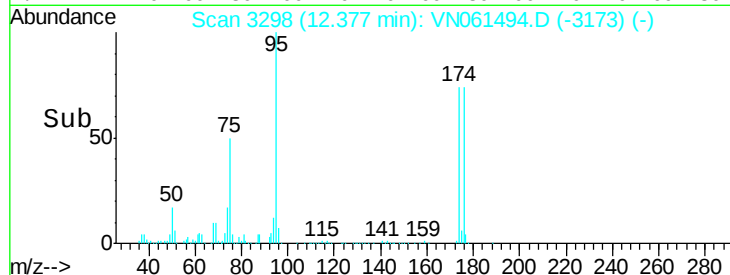
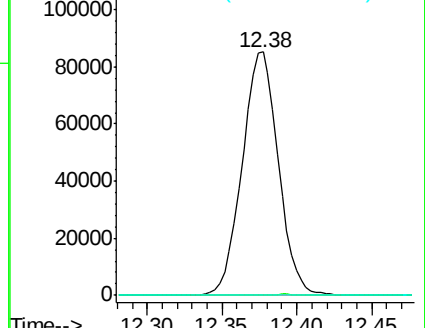
89 0.0 38.2 57.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 4.040 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.04 min

Lab File: VN061494.D

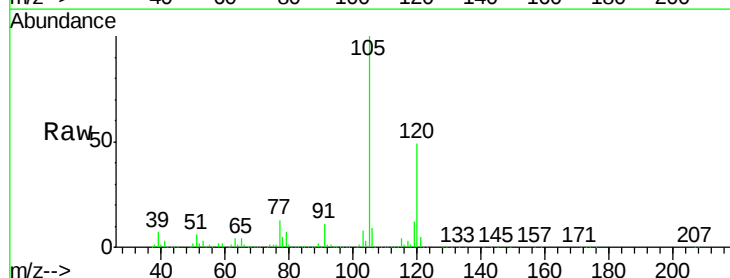
Acq: 19 May 2020 19:27

Tgt Ion: 91 Resp: 58216

Ion Ratio Lower Upper

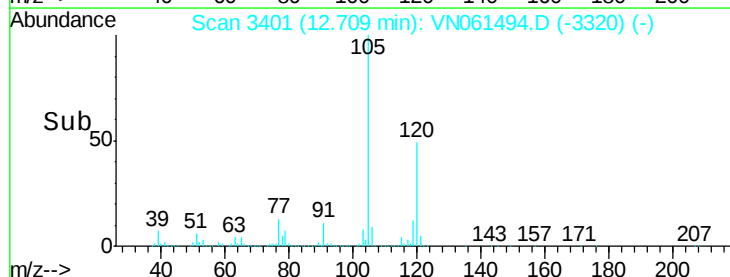
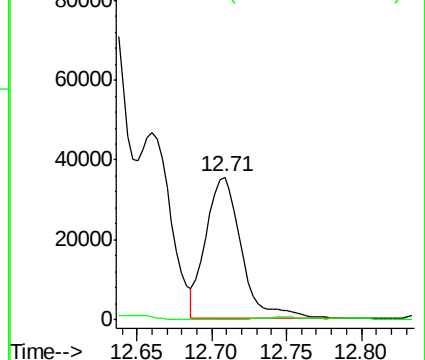
91 100

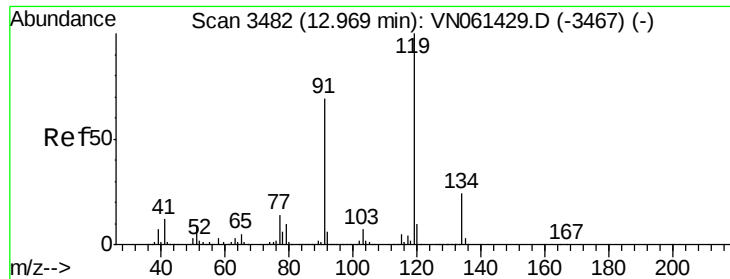
126 0.0 16.1 48.2#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

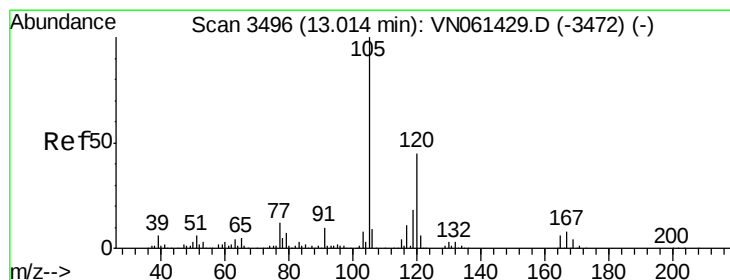
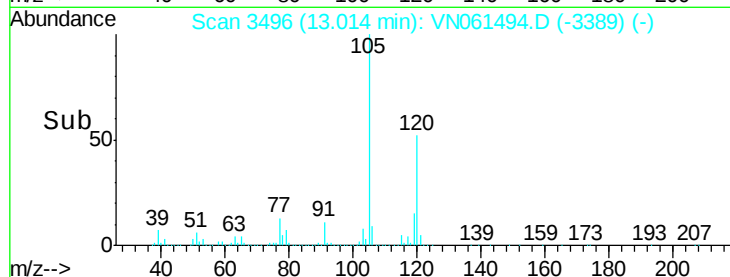
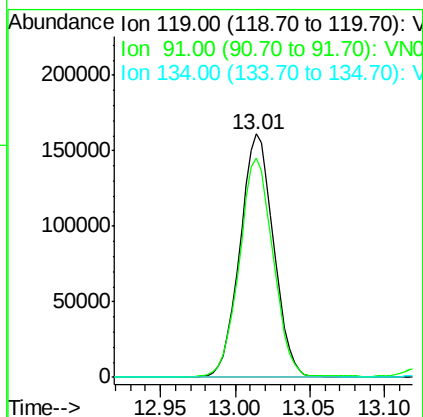
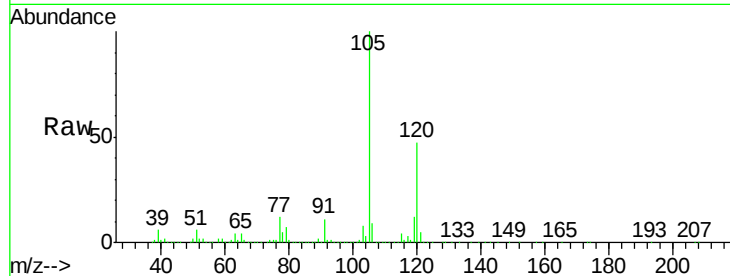




#83
 tert-Butylbenzene
 Concen: 17.295 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.04 min
 Lab File: VN061494.D
 Acq: 19 May 2020 19:27

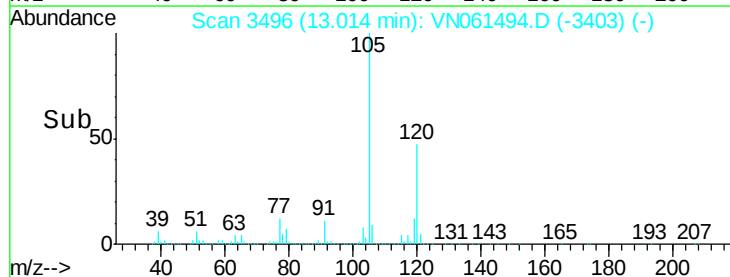
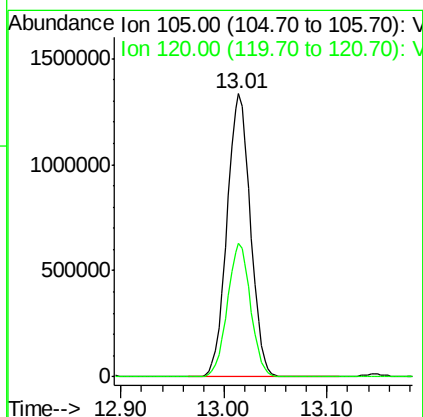
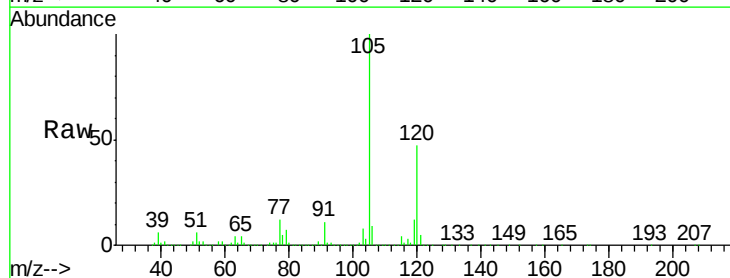
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2DL

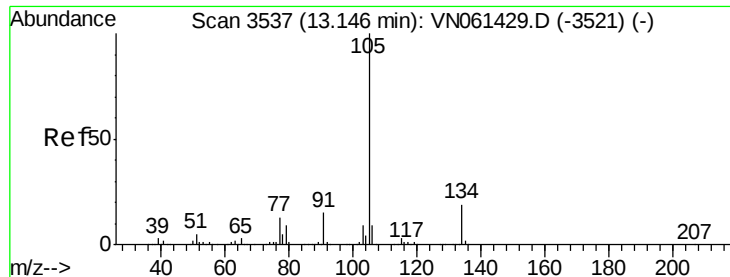
Tot Ion:119 Resp: 250653
 Ion Ratio Lower Upper
 119 100
 91 89.9 33.7 101.0
 134 0.0 12.8 38.3#



#84
 1,2,4-Trimethylbenzene
 Concen: 124.520 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061494.D
 Acq: 19 May 2020 19:27

Tgt Ion:105 Resp: 2108473
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.4 67.3





#85

sec-Butylbenzene

Concen: 107.590 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. -0.13 min

Lab File: VN061494.D

Acq: 19 May 2020 19:27

Instrument :

MSVOA_N

ClientSampled :

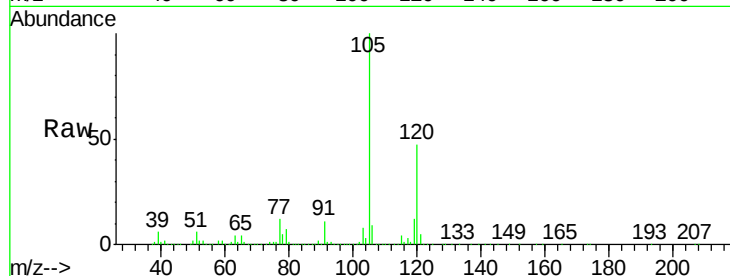
MW-2DL

Tot Ion:105 Resp: 2108473

Ion Ratio Lower Upper

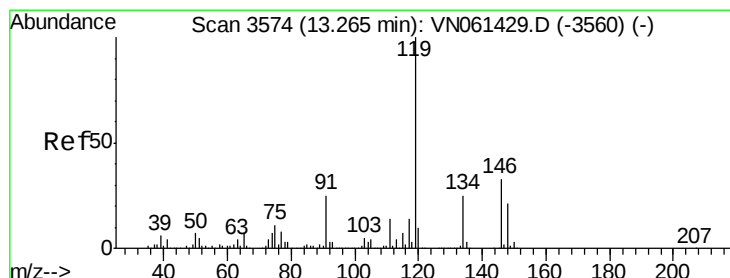
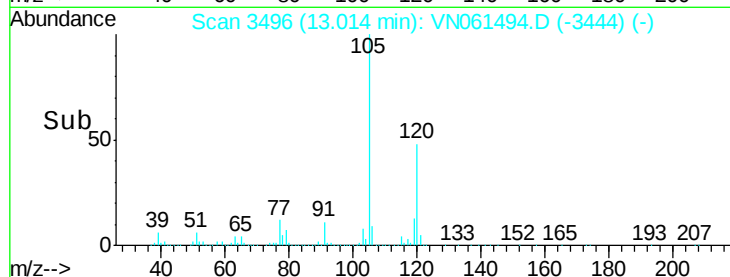
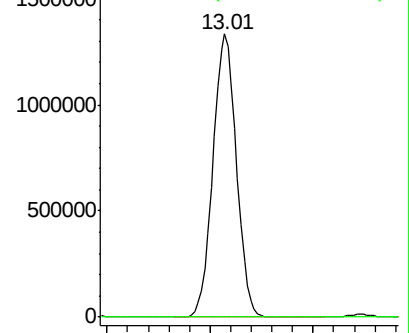
105 100

134 0.0 9.8 29.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.394 ug/l

RT: 13.21 min Scan# 3556

Delta R.T. -0.06 min

Lab File: VN061494.D

Acq: 19 May 2020 19:27

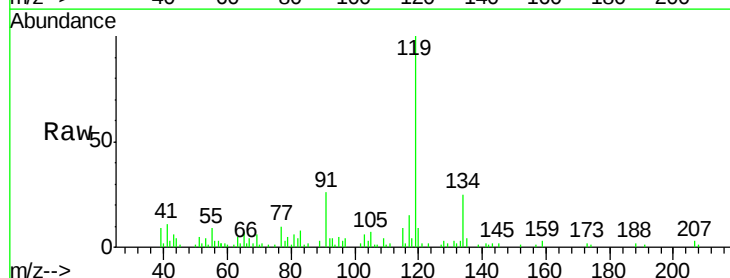
Tgt Ion:119 Resp: 24260

Ion Ratio Lower Upper

119 100

134 28.4 12.7 38.1

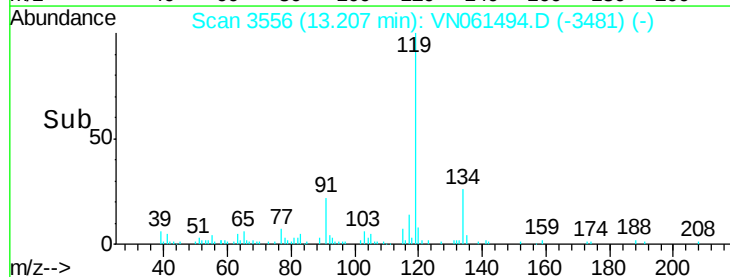
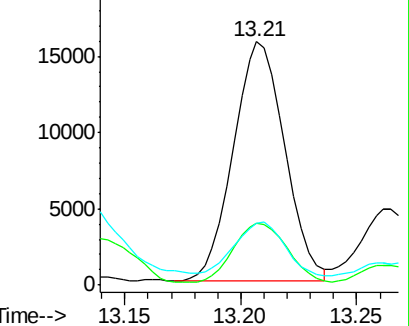
91 0.0 12.6 37.6#

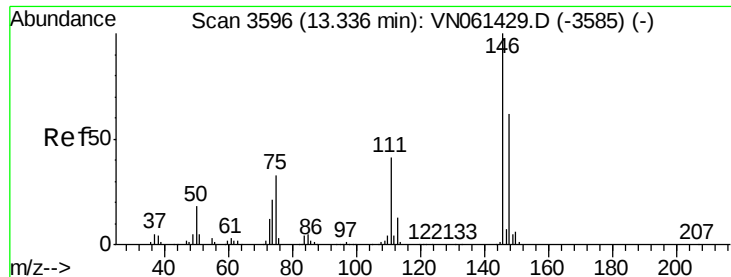


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#88

1,4-Dichlorobenzene

Concen: 0.491 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061494.D

Acq: 19 May 2020 19:27

Instrument :

MSVOA_N

ClientSampled :

MW-2DL

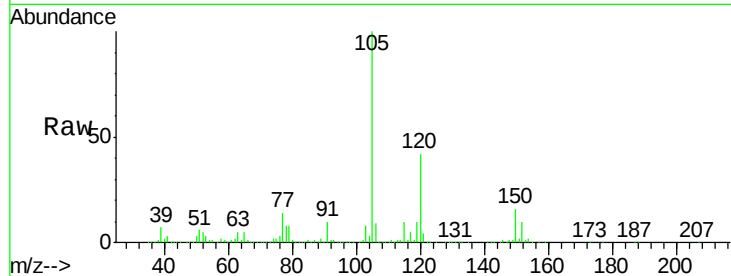
Tot Ion:146 Resp: 4038

Ion Ratio Lower Upper

146 100

111 113.1 20.8 62.5#

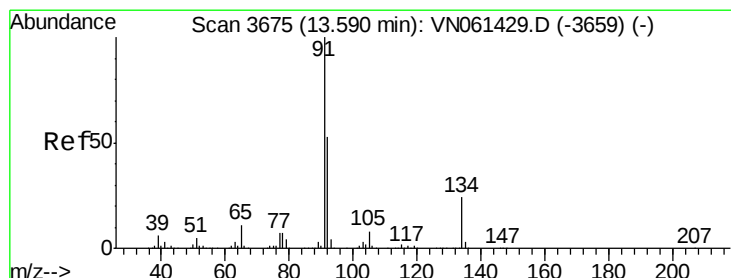
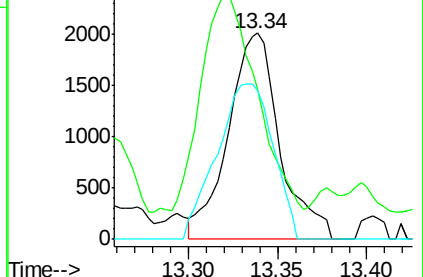
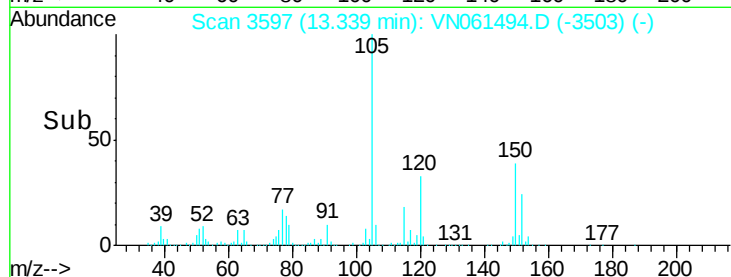
148 82.2 31.6 94.8



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: 1.072 ug/l

RT: 13.59 min Scan# 3674

Delta R.T. -0.00 min

Lab File: VN061494.D

Acq: 19 May 2020 19:27

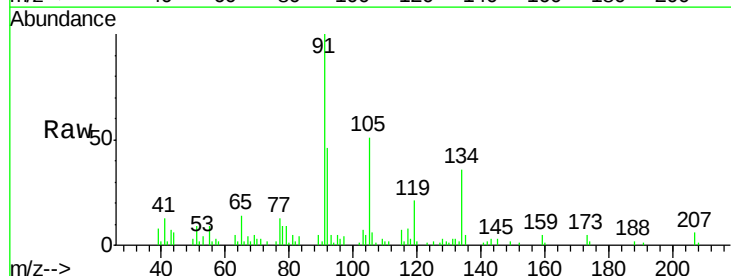
Tgt Ion: 91 Resp: 16949

Ion Ratio Lower Upper

91 100

92 76.6 26.8 80.3

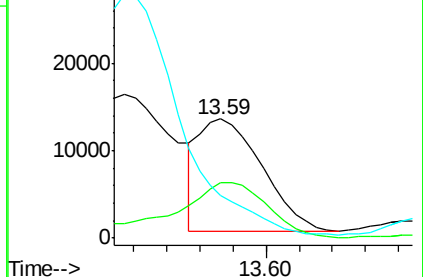
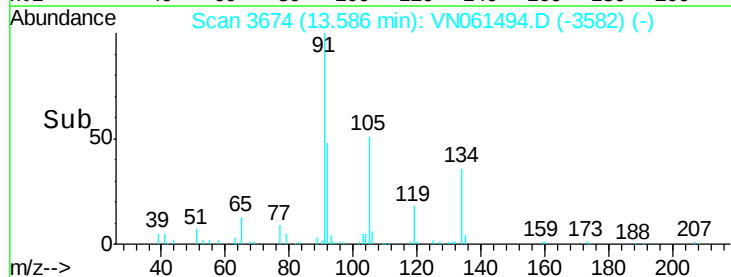
134 0.0 12.4 37.4#

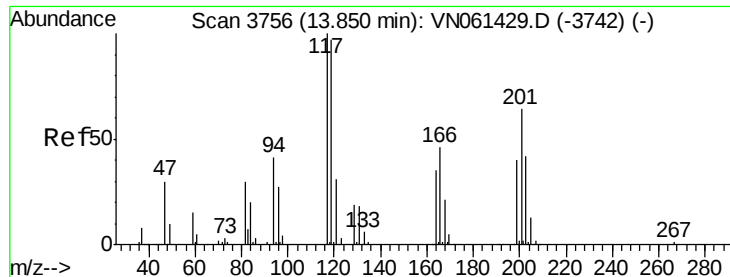


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 5.490 ug/l

RT: 13.86 min Scan# 3760

Delta R.T. 0.01 min

Lab File: VN061494.D

Acq: 19 May 2020 19:27

Instrument :

MSVOA_N

ClientSampleID :

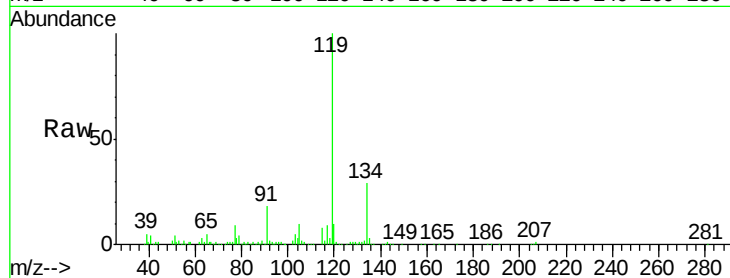
MW-2DL

Tot Ion:117 Resp: 12949

Ion Ratio Lower Upper

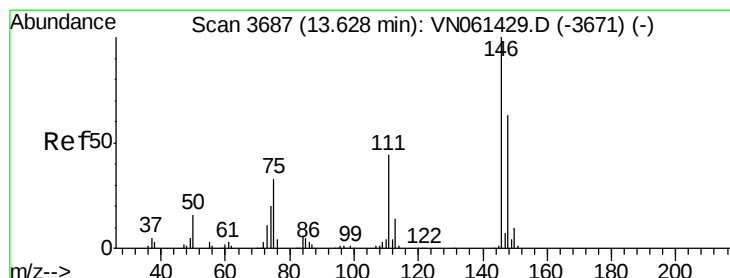
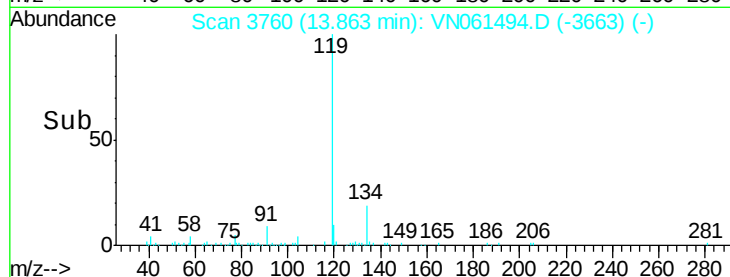
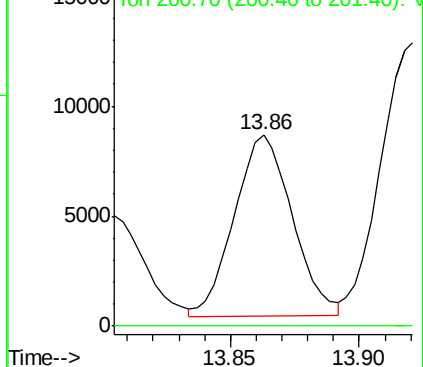
117 100

201 0.0 32.9 98.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.266 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN061494.D

Acq: 19 May 2020 19:27

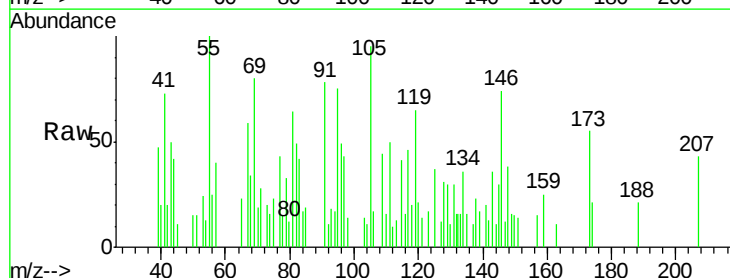
Tgt Ion:146 Resp: 2096

Ion Ratio Lower Upper

146 100

111 24.0 21.9 65.7

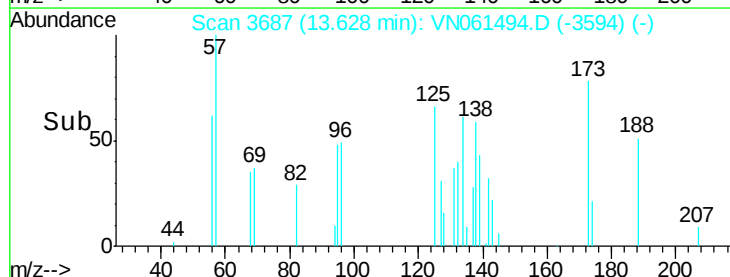
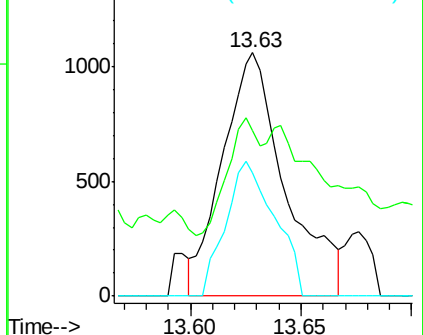
148 43.1 31.6 94.7

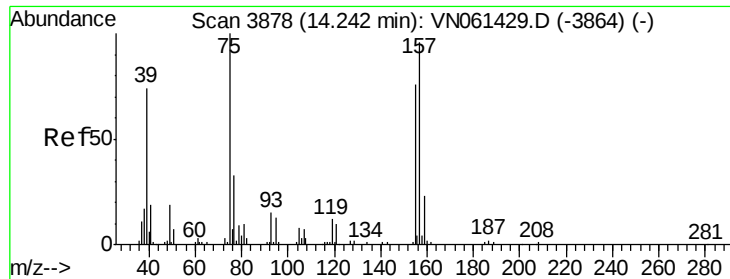


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.751 ug/l

RT: 14.22 min Scan# 3871

Delta R.T. -0.02 min

Lab File: VN061494.D

Acq: 19 May 2020 19:27

Instrument :

MSVOA_N

ClientSampleId :

MW-2DL

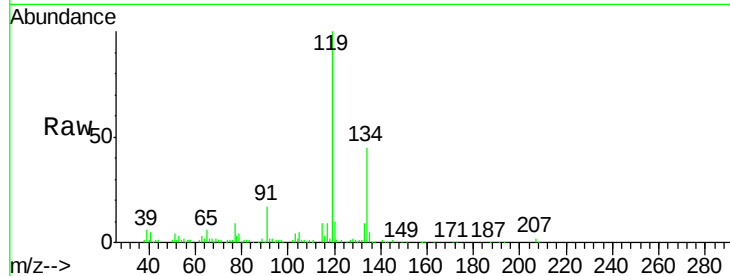
Tot Ion: 75 Resp: 862

Ion Ratio Lower Upper

75 100

155 0.0 38.9 116.7#

157 10.2 48.6 145.8#

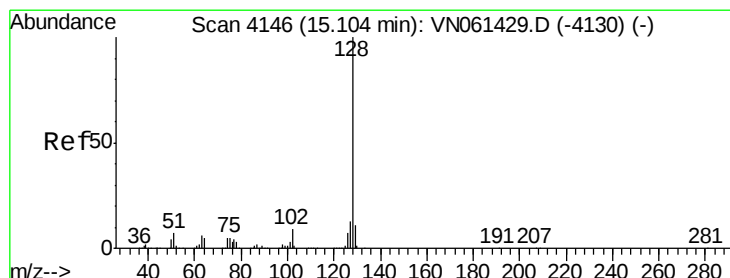
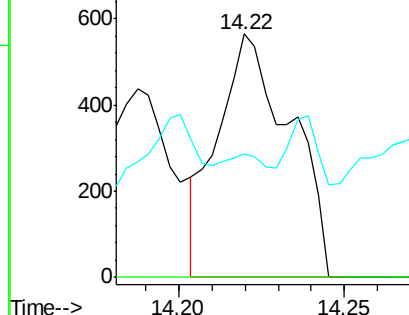
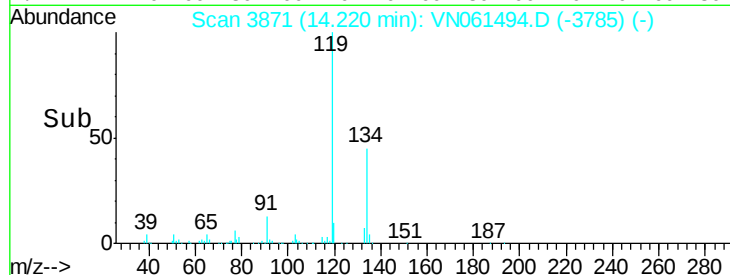


Abundance Ion 74.90 (74.60 to 75.60): VN061429.D (-3864) (-)

Ion 154.80 (154.50 to 155.50): VN061429.D (-3864) (-)

Ion 156.80 (156.50 to 157.50): VN061429.D (-3864) (-)

Time-->



#95

Naphthalene

Concen: 26.805 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061494.D

Acq: 19 May 2020 19:27

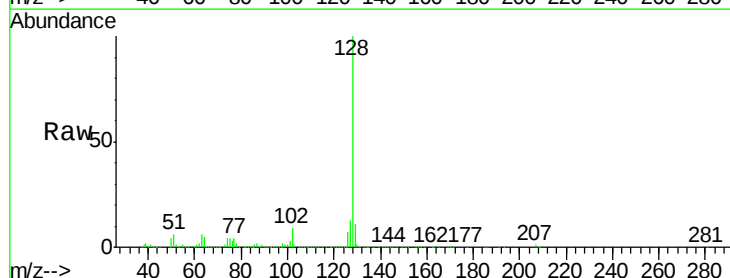
Tgt Ion: 128 Resp: 363765

Ion Ratio Lower Upper

128 100

127 13.2 10.1 15.1

129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): VN061429.D (-4130) (-)

Ion 127.00 (126.70 to 127.70): VN061429.D (-4130) (-)

Ion 129.00 (128.70 to 129.70): VN061429.D (-4130) (-)

Time-->

