

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061022\
 Data File : VN072777.D
 Acq On : 10 Jun 2022 20:14
 Operator : JC\MD
 Sample : N3293-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 52322-B

Quant Time: Jun 11 01:56:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 05:17:31 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

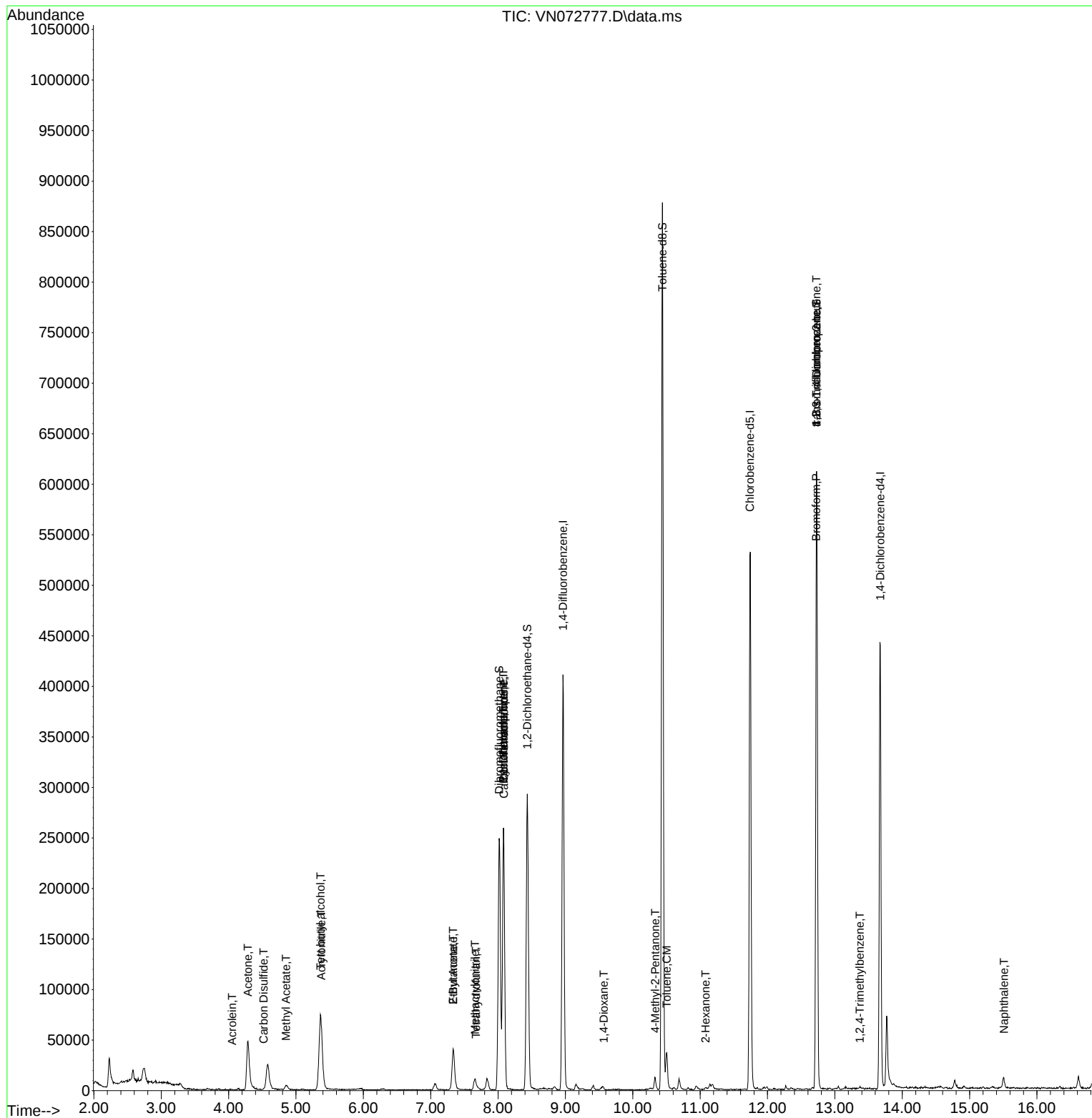
Internal Standards						
1) Pentafluorobenzene	8.081	168	164134	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	324880	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	280051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	105986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	242939	55.148	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.300%			
35) Dibromofluoromethane	8.016	113	179586	55.865	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 111.740%			
50) Toluene-d8	10.439	98	562279	43.840	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 87.680%			
62) 4-Bromofluorobenzene	12.727	95	211686	48.098	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.200%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.875	94	124	Below Cal	#	2
6) Chloroethane	2.969	64	499	Below Cal	#	42
11) Tert butyl alcohol	5.363	59	131921	125.536	ug/l	100
13) Acrolein	4.051	56	246	0.567	ug/l	# 45
15) Acrylonitrile	5.375	53	826	0.371	ug/l	# 1
16) Acetone	4.287	43	91143	43.178	ug/l	# 88
17) Carbon Disulfide	4.522	76	893	0.445	ug/l	# 75
18) Methyl Acetate	4.851	43	9017	1.642	ug/l	# 87
20) Methylene Chloride	5.093	84	342	Below Cal	#	82
25) 2-Butanone	7.334	43	68302	20.115	ug/l	91
29) Tetrahydrofuran	7.675	42	868	0.414	ug/l	# 68
31) Cyclohexane	8.081	56	5379	0.449	ug/l	# 32
36) 1,1-Dichloropropene	8.081	75	17512	3.925	ug/l	# 47
37) Ethyl Acetate	7.334	43	68302	9.853	ug/l	# 67
38) Carbon Tetrachloride	8.086	117	20482	4.295	ug/l	# 16
41) Methacrylonitrile	7.657	41	3089	1.322	ug/l	# 31
49) 1,4-Dioxane	9.569	88	85	0.910	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.333	43	8977	1.277	ug/l	88
52) Toluene	10.504	92	14007	1.657	ug/l	98
59) 2-Hexanone	11.080	43	2228	0.431	ug/l	# 58
71) Bromoform	12.722	173	814	0.390	ug/l	# 1
76) 1,2,3-Trichloropropane	12.727	75	126845	37.088	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	126845	96.995	ug/l	# 10
84) 1,2,4-Trimethylbenzene	13.369	105	1926	0.223	ug/l	70
95) Naphthalene	15.510	128	10871	1.561	ug/l	97

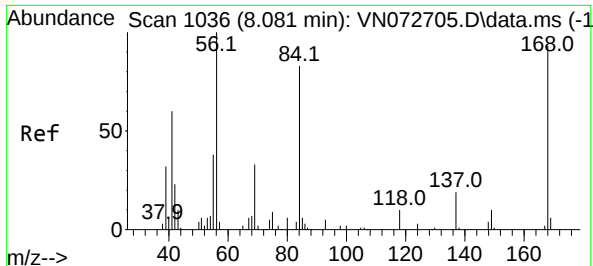
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061022\
Data File : VN072777.D
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52322-B

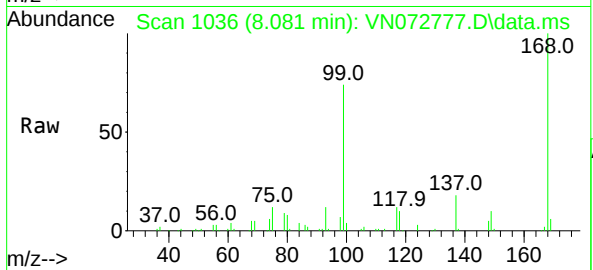
Quant Time: Jun 11 01:56:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 09 05:17:31 2022
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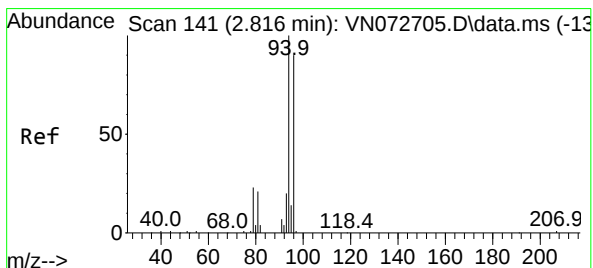
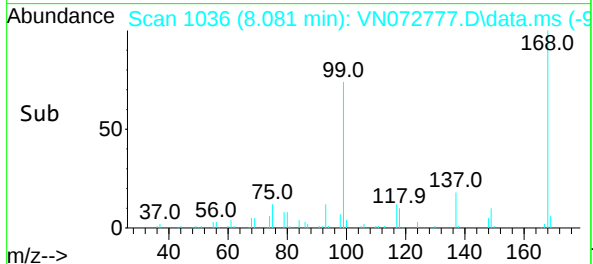
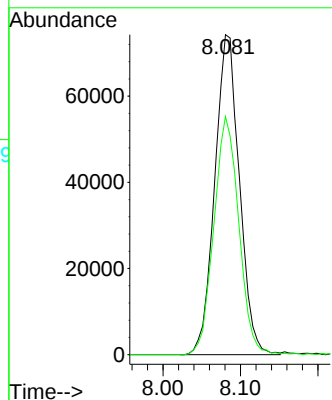


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072777.D
Acq: 10 Jun 2022 20:14

Instrument :
MSVOA_N
ClientSampleId :
52322-B

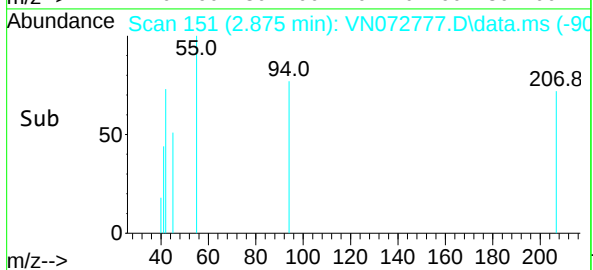
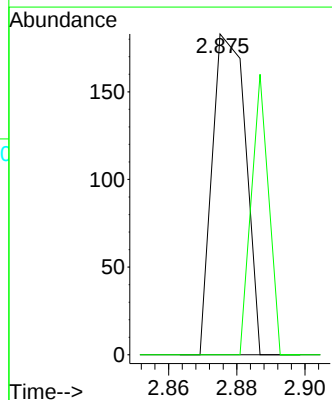
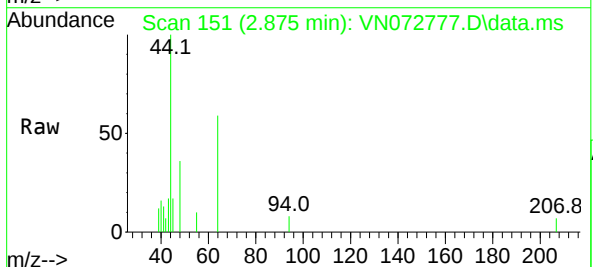


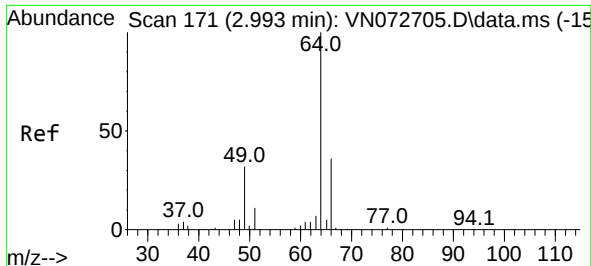
Tgt Ion:168 Resp: 164134
Ion Ratio Lower Upper
168 100
99 74.5 42.3 63.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.875 min Scan# 151
Delta R.T. 0.059 min
Lab File: VN072777.D
Acq: 10 Jun 2022 20:14

Tgt Ion: 94 Resp: 124
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#

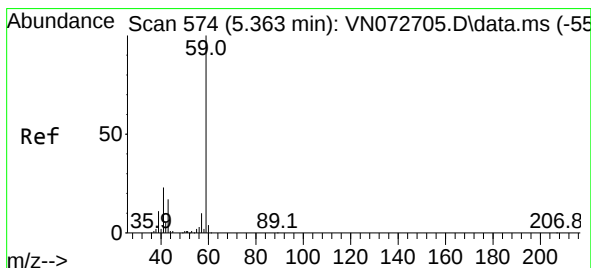
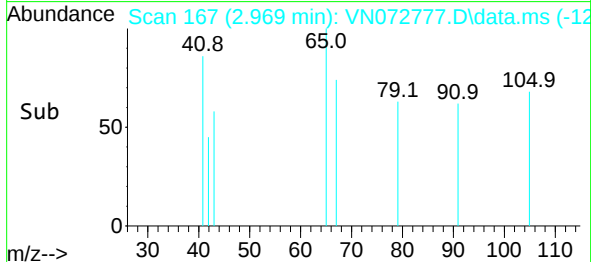
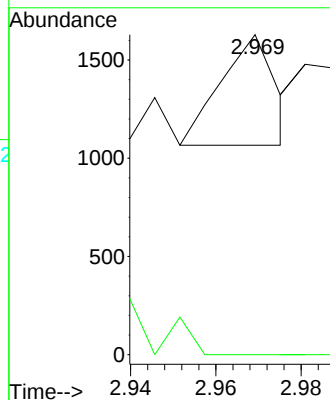
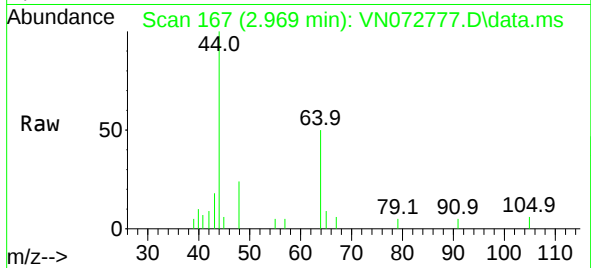




#6
Chloroethane
Concen: Below Cal
RT: 2.969 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN072777.D
Acq: 10 Jun 2022 20:14

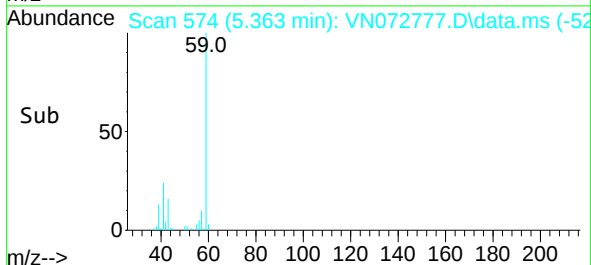
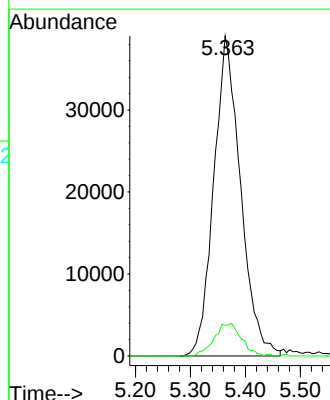
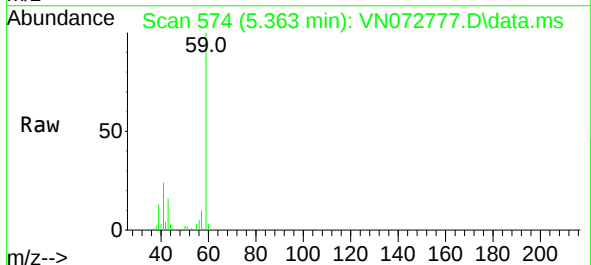
Instrument :
MSVOA_N
ClientSampleId :
52322-B

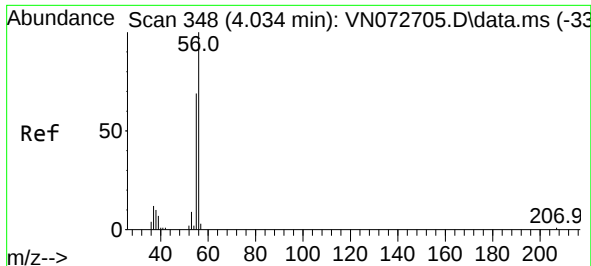
Tgt Ion: 64 Resp: 499
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 125.536 ug/l
RT: 5.363 min Scan# 574
Delta R.T. 0.000 min
Lab File: VN072777.D
Acq: 10 Jun 2022 20:14

Tgt Ion: 59 Resp: 131921
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5





#13

Acrolein

Concen: 0.567 ug/l

RT: 4.051 min Scan# 31

Delta R.T. 0.017 min

Lab File: VN072777.D

Acq: 10 Jun 2022 20:14

Instrument :

MSVOA_N

ClientSampleId :

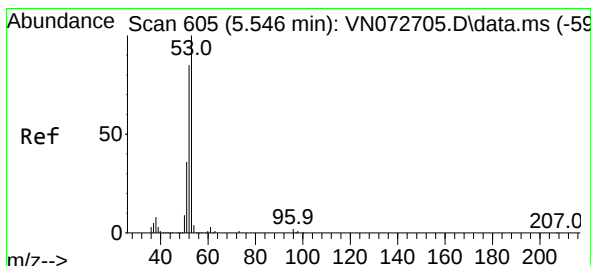
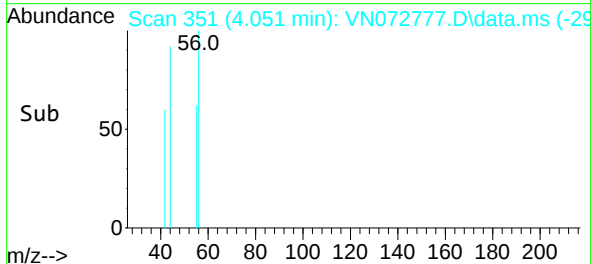
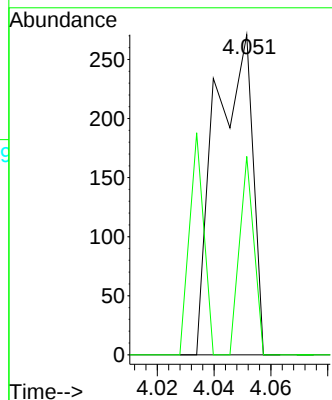
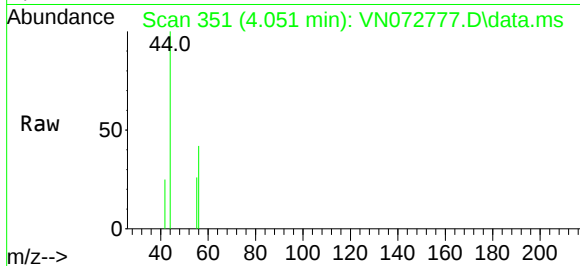
52322-B

Tgt Ion: 56 Resp: 246

Ion Ratio Lower Upper

56 100

55 24.0 54.8 82.2#



#15

Acrylonitrile

Concen: 0.371 ug/l

RT: 5.375 min Scan# 576

Delta R.T. -0.171 min

Lab File: VN072777.D

Acq: 10 Jun 2022 20:14

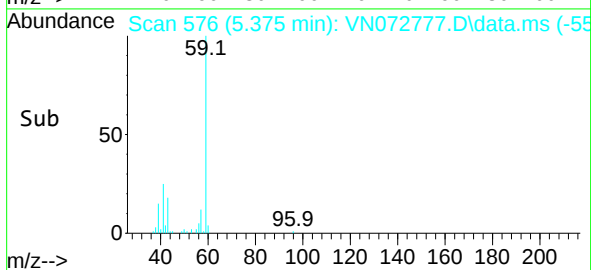
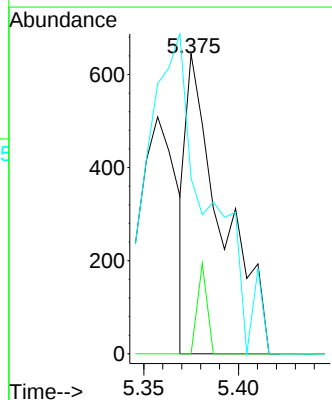
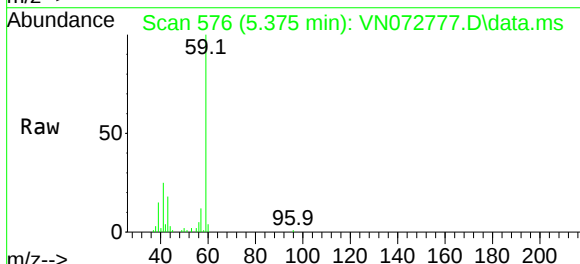
Tgt Ion: 53 Resp: 826

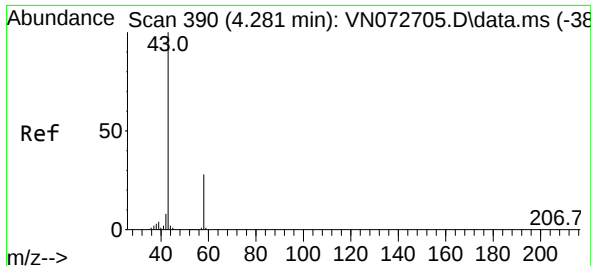
Ion Ratio Lower Upper

53 100

52 8.2 66.4 99.6#

51 205.7 28.5 42.7#

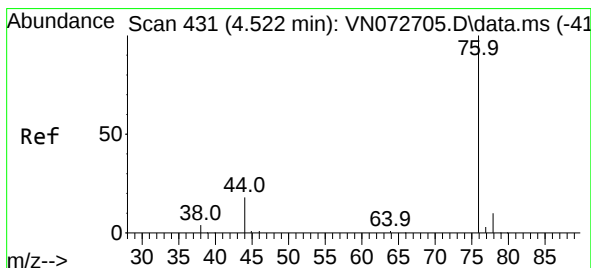
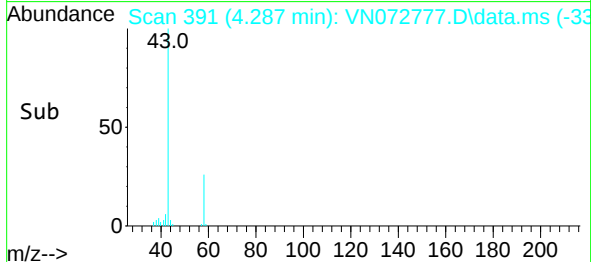
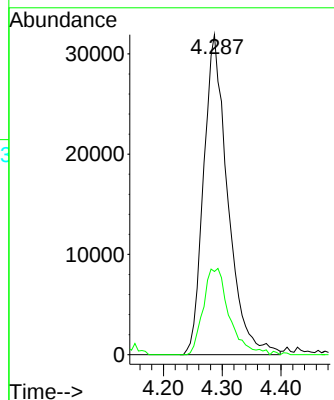
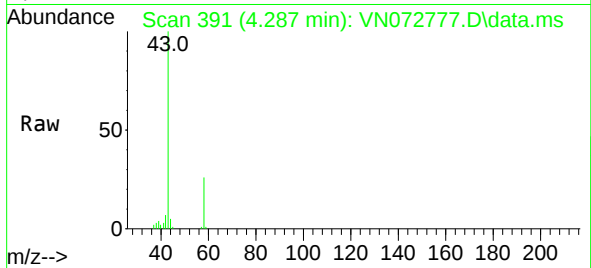




#16
Acetone
Concen: 43.178 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN072777.D
Acq: 10 Jun 2022 20:14

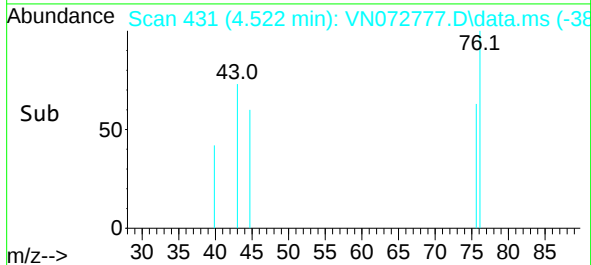
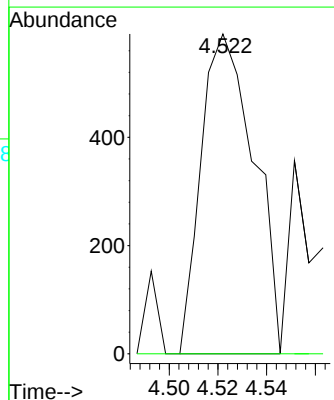
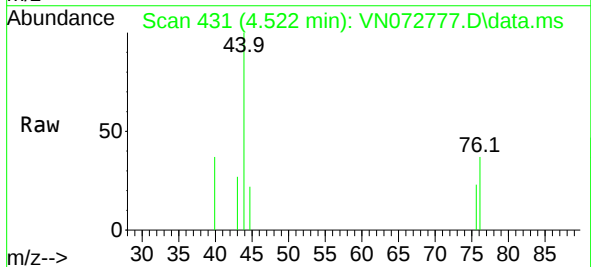
Instrument :
MSVOA_N
ClientSampleId :
52322-B

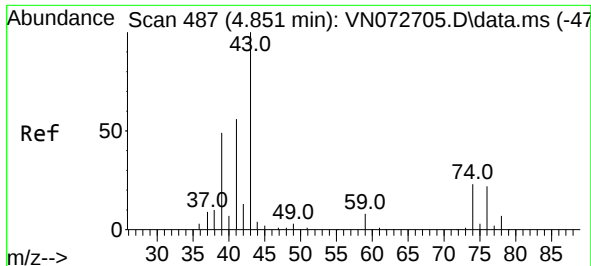
Tgt Ion: 43 Resp: 91143
Ion Ratio Lower Upper
43 100
58 26.0 26.0 39.0#



#17
Carbon Disulfide
Concen: 0.445 ug/l
RT: 4.522 min Scan# 431
Delta R.T. 0.000 min
Lab File: VN072777.D
Acq: 10 Jun 2022 20:14

Tgt Ion: 76 Resp: 893
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

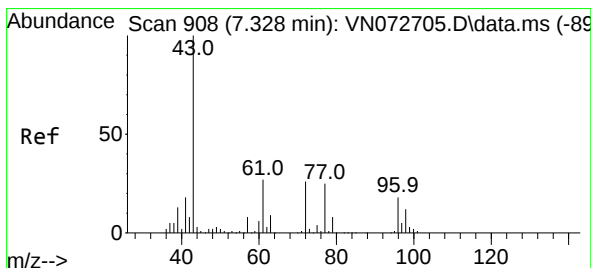
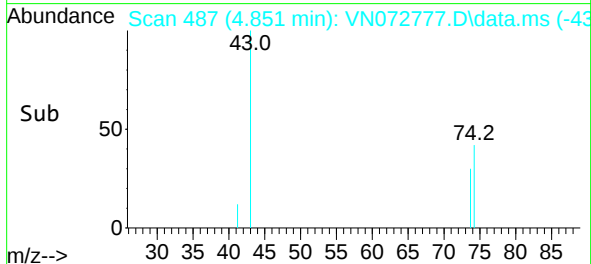
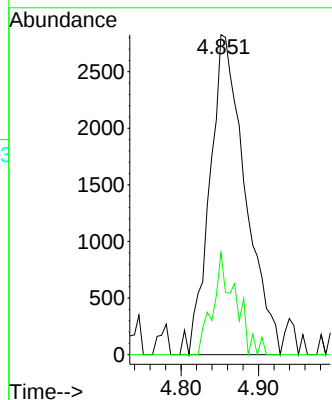
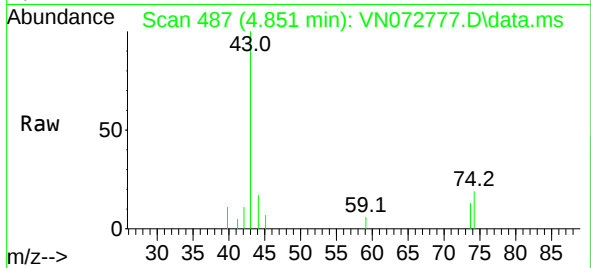




#18
Methyl Acetate
Concen: 1.642 ug/l
RT: 4.851 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN072777.D
Acq: 10 Jun 2022 20:14

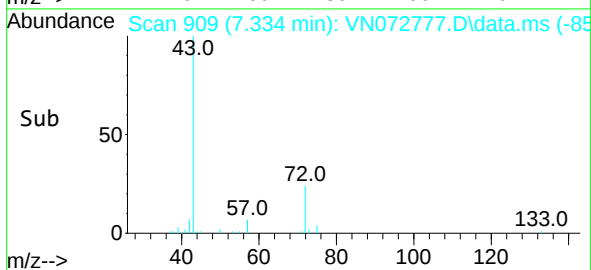
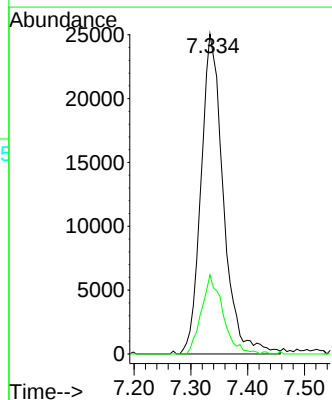
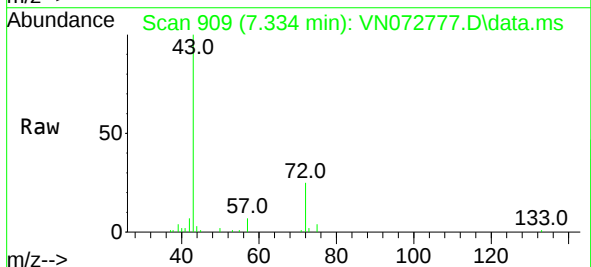
Instrument :
MSVOA_N
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52322-B

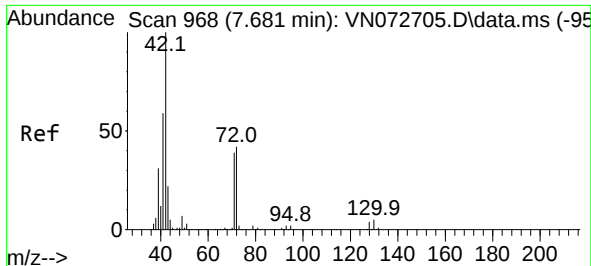
Tgt Ion: 43 Resp: 9017
Ion Ratio Lower Upper
43 100
74 20.3 21.6 32.4#



#25
2-Butanone
Concen: 20.115 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN072777.D
Acq: 10 Jun 2022 20:14

Tgt Ion: 43 Resp: 68302
Ion Ratio Lower Upper
43 100
72 24.7 23.7 35.5





#29

Tetrahydrofuran

Concen: 0.414 ug/l

RT: 7.675 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN072777.D

Acq: 10 Jun 2022 20:14

Instrument :

MSVOA_N

ClientSampleId :

52322-B

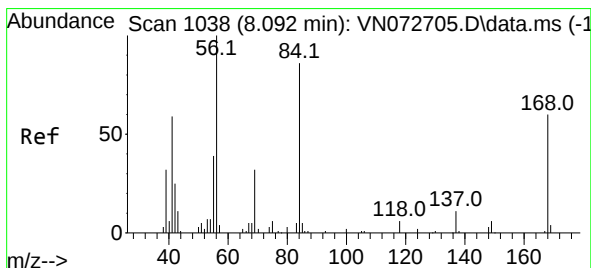
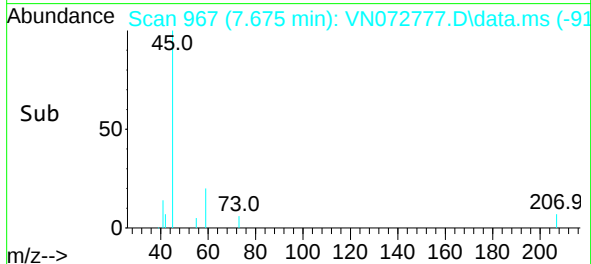
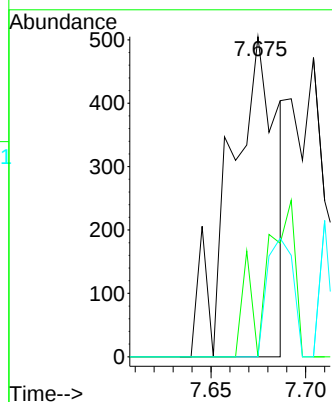
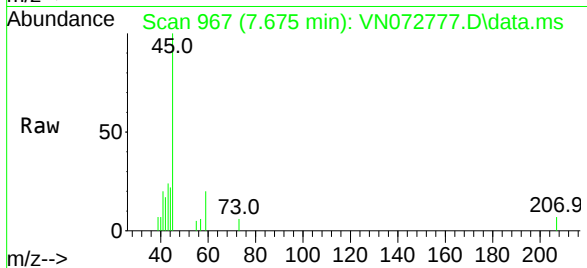
Tgt Ion: 42 Resp: 868

Ion Ratio Lower Upper

42 100

72 31.9 39.7 59.5#

71 20.6 36.6 55.0#



#31

Cyclohexane

Concen: 0.449 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.011 min

Lab File: VN072777.D

Acq: 10 Jun 2022 20:14

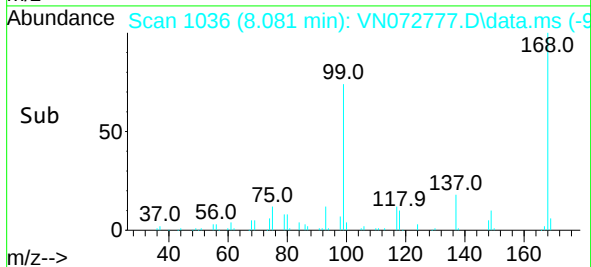
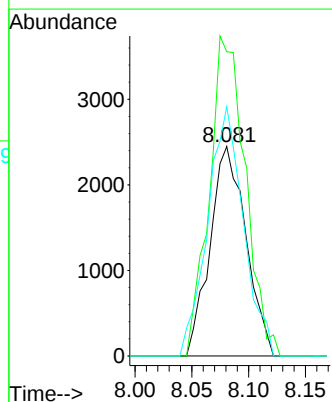
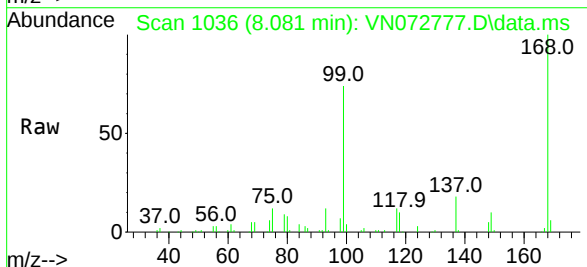
Tgt Ion: 56 Resp: 5379

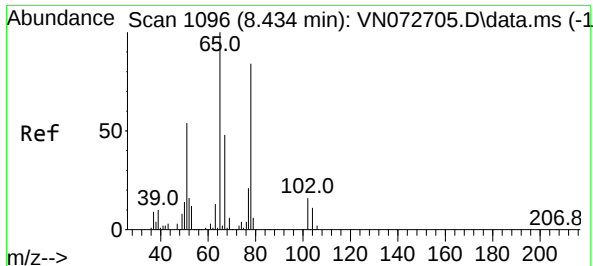
Ion Ratio Lower Upper

56 100

69 145.2 27.8 41.8#

84 119.0 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 55.148 ug/l

RT: 8.434 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VN072777.D

Acq: 10 Jun 2022 20:14

Instrument :

MSVOA_N

ClientSampleId :

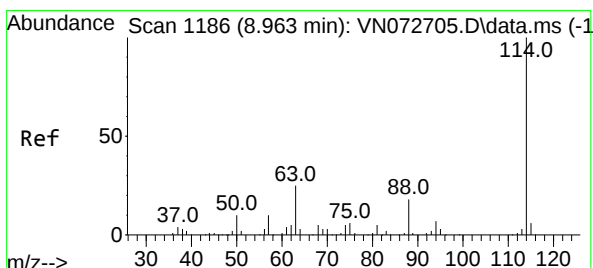
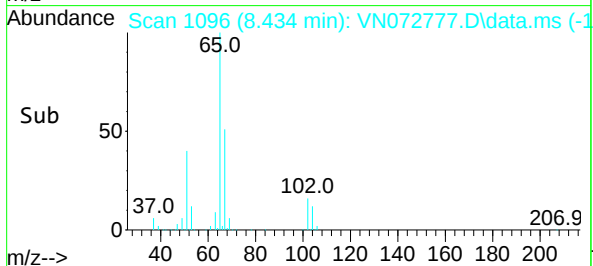
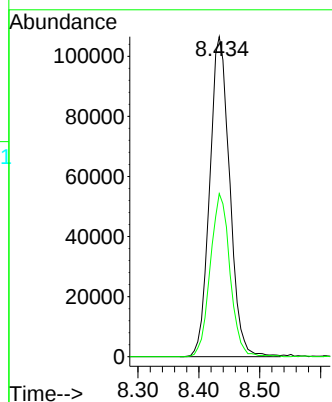
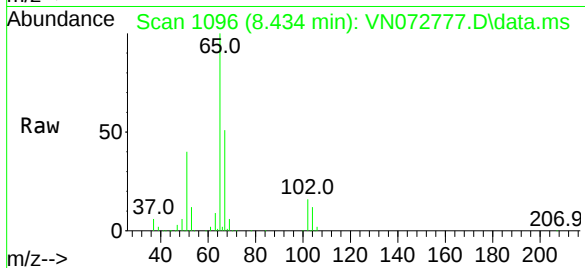
52322-B

Tgt Ion: 65 Resp: 242939

Ion Ratio Lower Upper

65 100

67 50.3 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072777.D

Acq: 10 Jun 2022 20:14

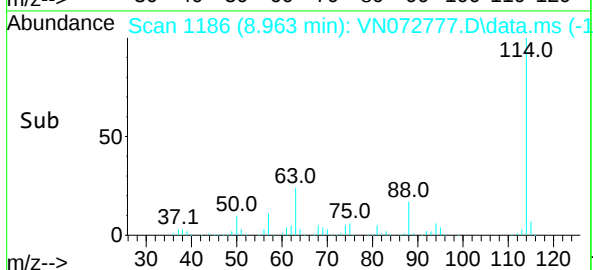
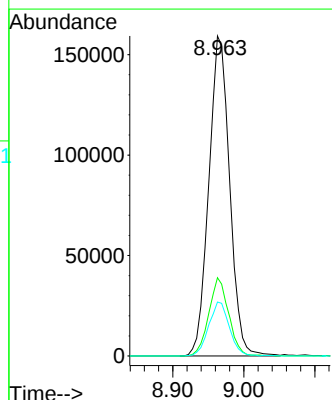
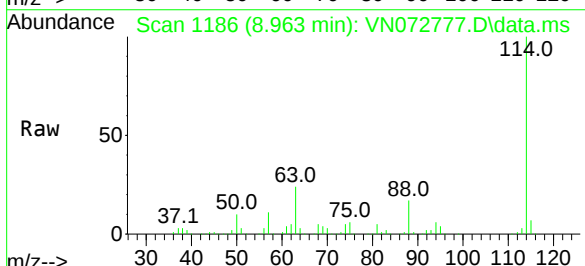
Tgt Ion: 114 Resp: 324880

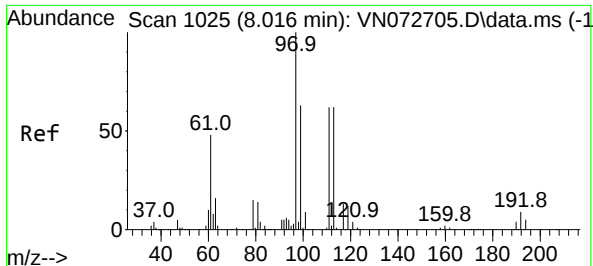
Ion Ratio Lower Upper

114 100

63 24.5 0.0 40.0

88 16.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 55.865 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN072777.D

Acq: 10 Jun 2022 20:14

Instrument :

MSVOA_N

ClientSampleId :

52322-B

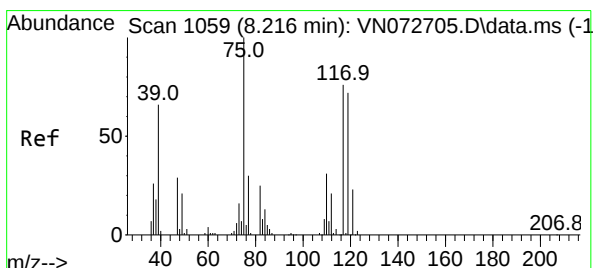
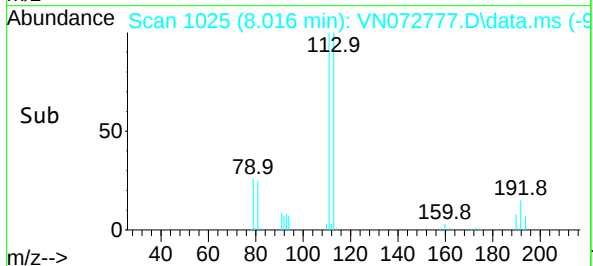
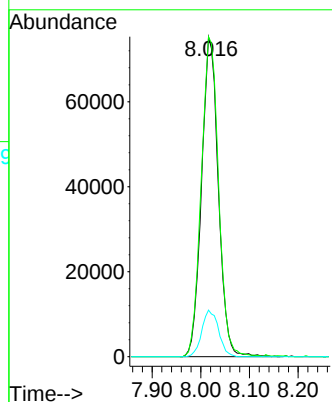
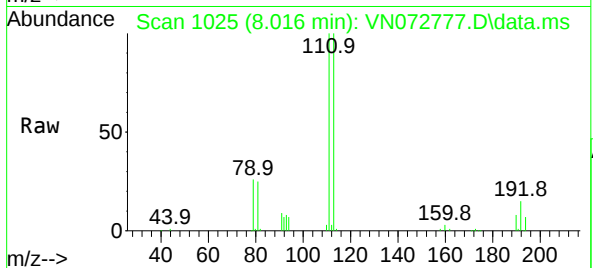
Tgt Ion:113 Resp: 179586

Ion Ratio Lower Upper

113 100

111 103.5 81.4 122.0

192 14.6 17.0 25.6#



#36

1,1-Dichloropropene

Concen: 3.925 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN072777.D

Acq: 10 Jun 2022 20:14

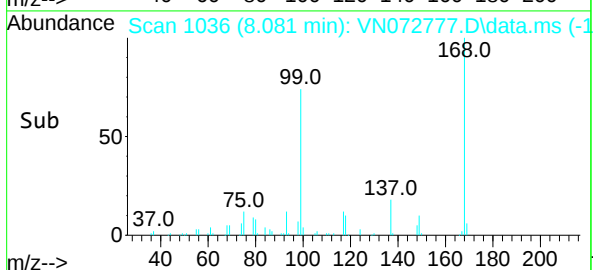
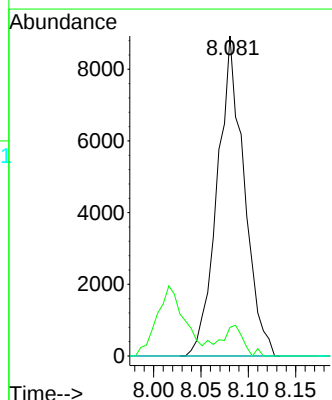
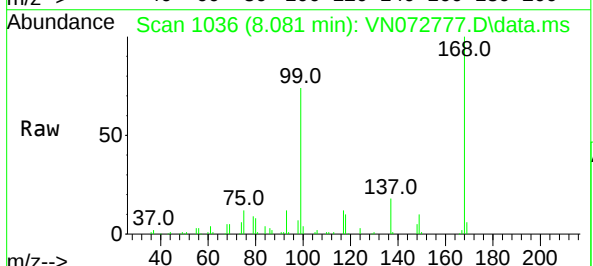
Tgt Ion: 75 Resp: 17512

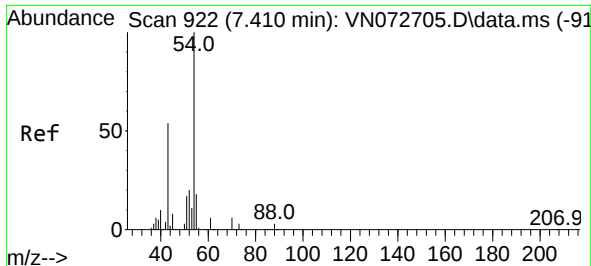
Ion Ratio Lower Upper

75 100

110 7.2 18.3 54.8#

77 0.0 25.1 37.7#

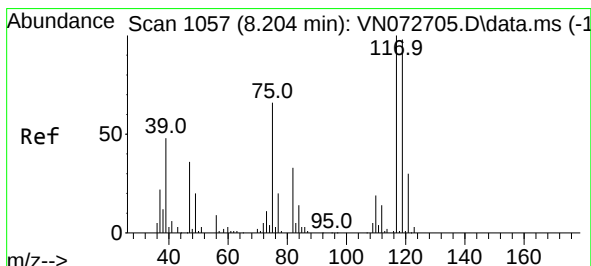
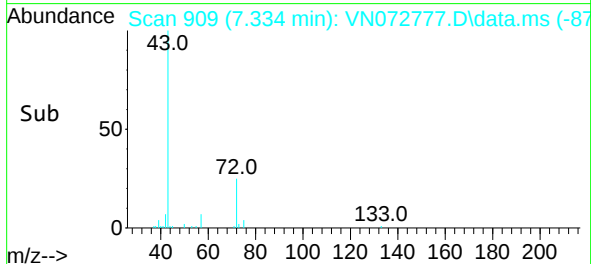
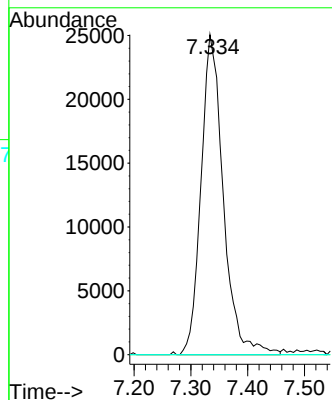
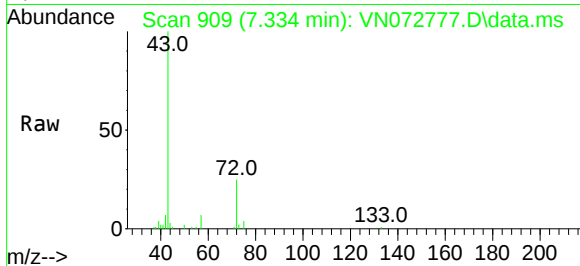




#37
Ethyl Acetate
Concen: 9.853 ug/l
RT: 7.334 min Scan# 909
Delta R.T. -0.076 min
Lab File: VN072777.D
Acq: 10 Jun 2022 20:14

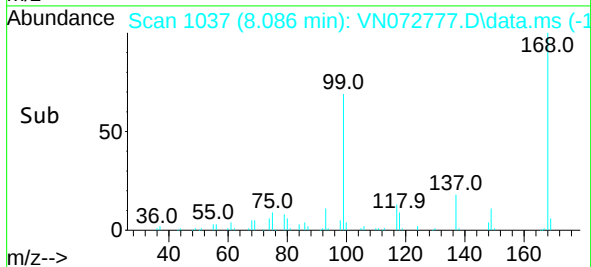
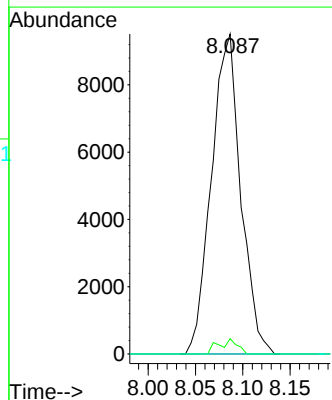
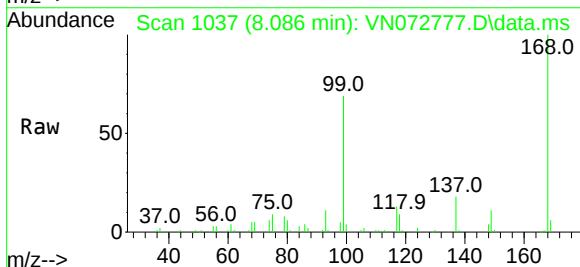
Instrument :
MSVOA_N
ClientSampleId :
52322-B

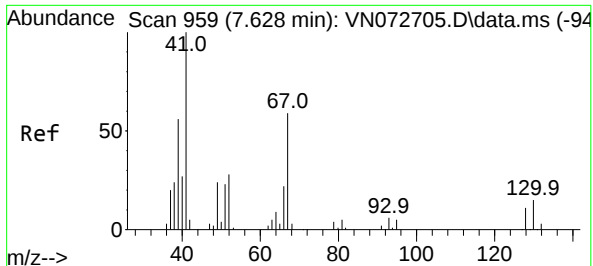
Tgt Ion: 43 Resp: 68302
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 4.295 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.118 min
Lab File: VN072777.D
Acq: 10 Jun 2022 20:14

Tgt Ion: 117 Resp: 20482
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.8#
121 0.0 24.6 37.0#

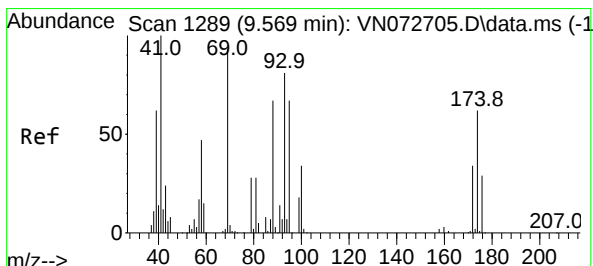
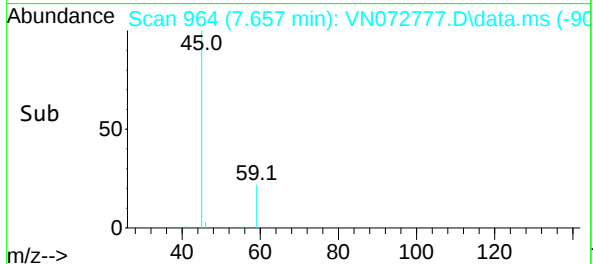
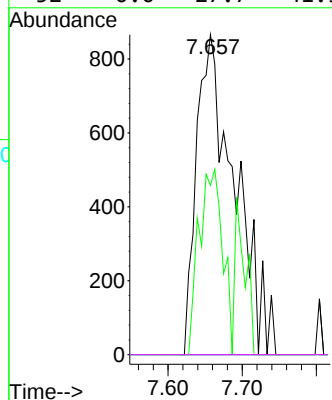
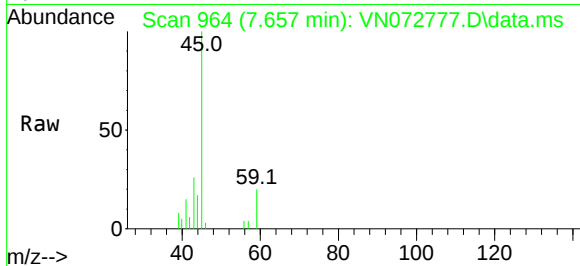




#41
Methacrylonitrile
Concen: 1.322 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.029 min
Lab File: VN072777.D
Acq: 10 Jun 2022 20:14

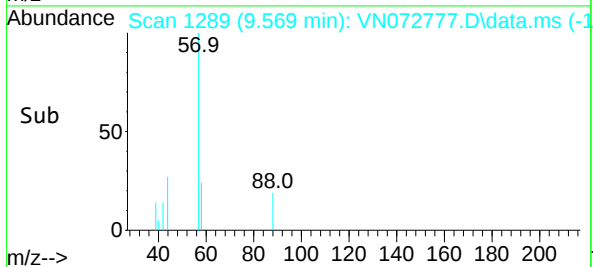
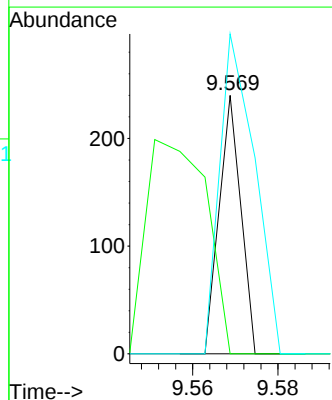
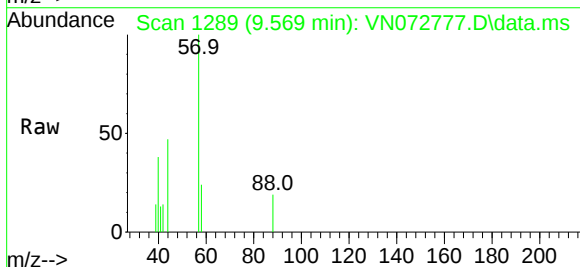
Instrument :
MSVOA_N
ClientSampleId :
52322-B

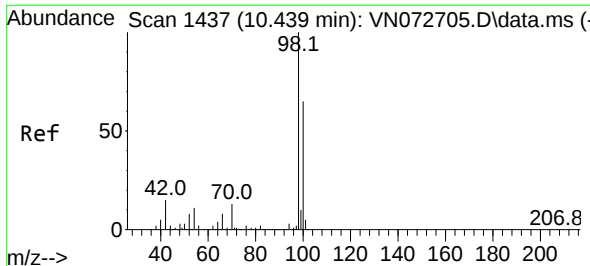
Tgt Ion:	41	Resp:	3089
Ion	Ratio	Lower	Upper
41	100		
39	36.1	48.6	73.0#
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#



#49
1,4-Dioxane
Concen: 0.910 ug/l
RT: 9.569 min Scan# 1289
Delta R.T. -0.000 min
Lab File: VN072777.D
Acq: 10 Jun 2022 20:14

Tgt Ion:	88	Resp:	85
Ion	Ratio	Lower	Upper
88	100		
43	0.0	20.2	30.4#
58	198.8	54.2	81.4#

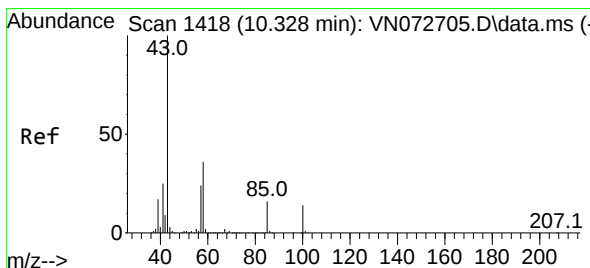
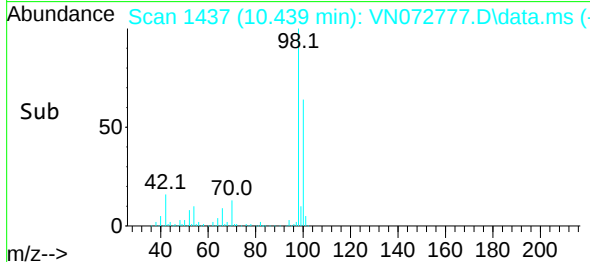
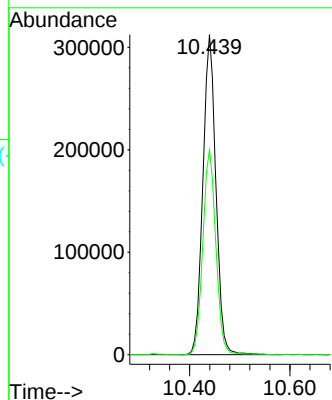
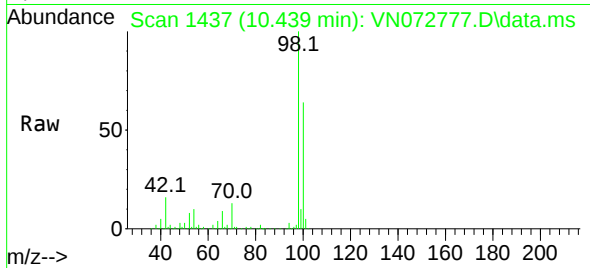




#50
Toluene-d8
Concen: 43.840 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072777.D
Acq: 10 Jun 2022 20:14

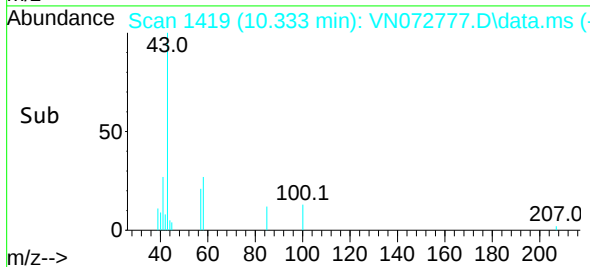
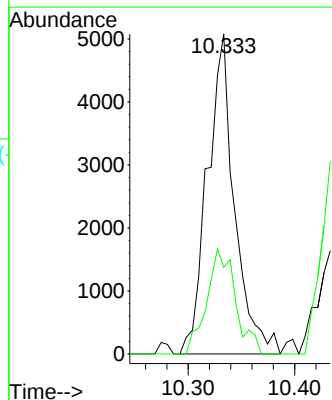
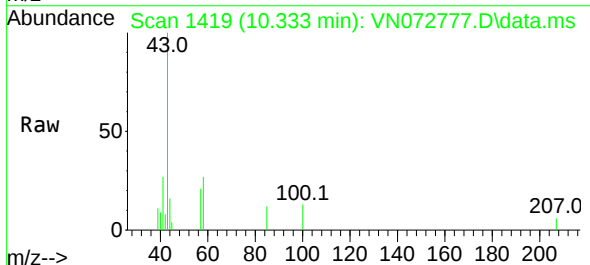
Instrument :
MSVOA_N
ClientSampleId :
52322-B

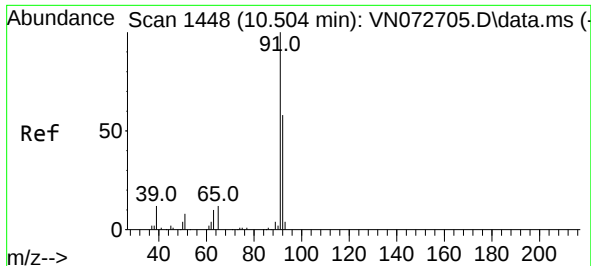
Tgt Ion: 98 Resp: 562279
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.277 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.005 min
Lab File: VN072777.D
Acq: 10 Jun 2022 20:14

Tgt Ion: 43 Resp: 8977
Ion Ratio Lower Upper
43 100
58 34.8 34.1 51.1

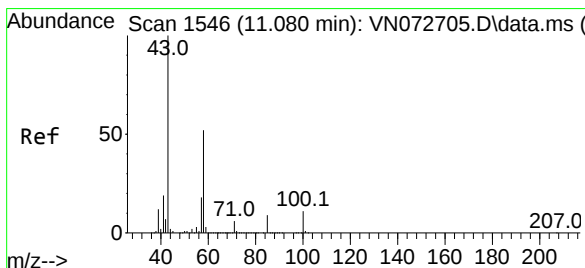
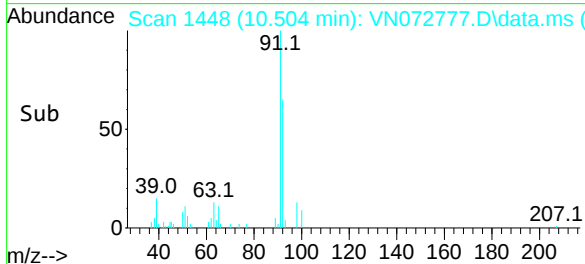
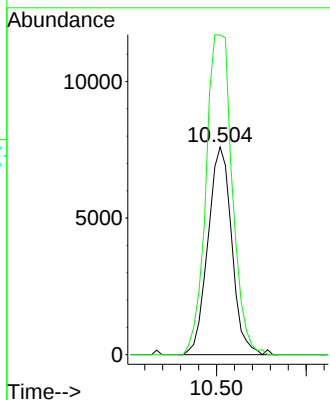
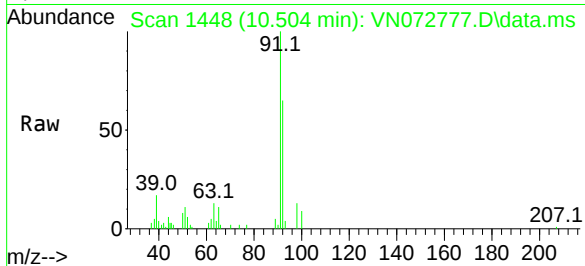




#52
Toluene
Concen: 1.657 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN072777.D
Acq: 10 Jun 2022 20:14

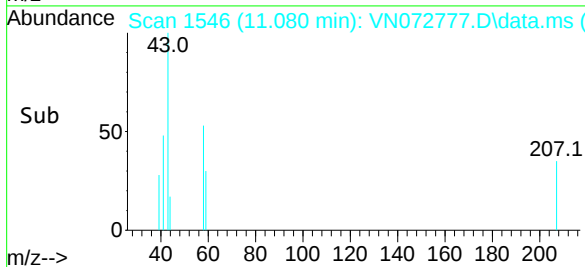
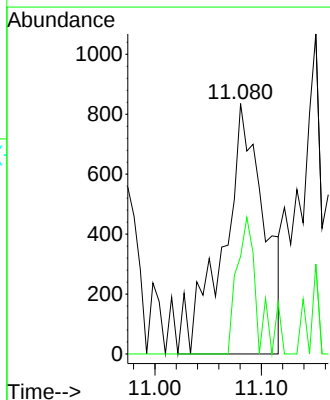
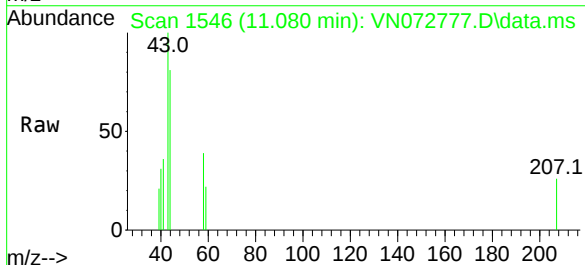
Instrument :
MSVOA_N
ClientSampleId :
52322-B

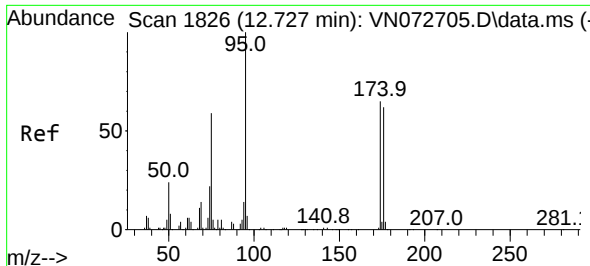
Tgt Ion: 92 Resp: 14007
Ion Ratio Lower Upper
92 100
91 170.2 138.6 207.8



#59
2-Hexanone
Concen: 0.431 ug/l
RT: 11.080 min Scan# 1546
Delta R.T. 0.000 min
Lab File: VN072777.D
Acq: 10 Jun 2022 20:14

Tgt Ion: 43 Resp: 2228
Ion Ratio Lower Upper
43 100
58 27.6 29.7 89.1#

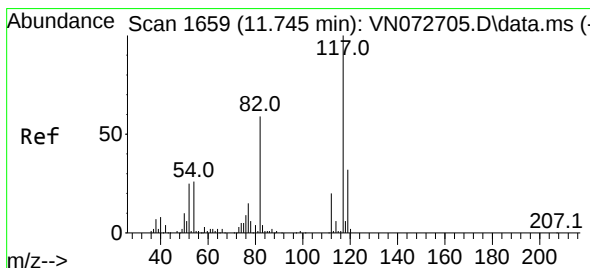
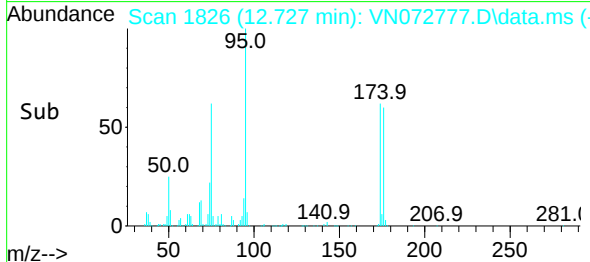
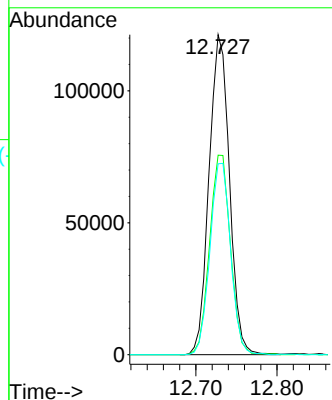
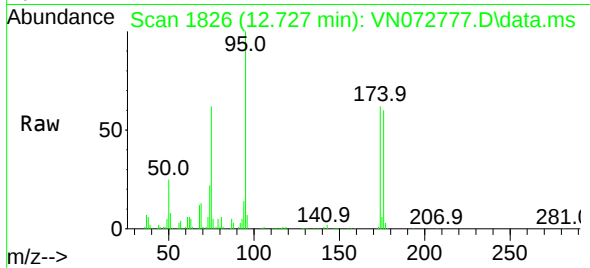




#62
4-Bromofluorobenzene
Concen: 48.098 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072777.D
Acq: 10 Jun 2022 20:14

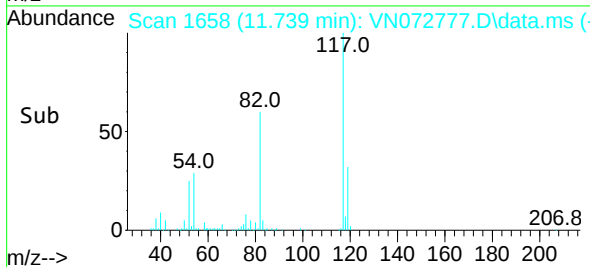
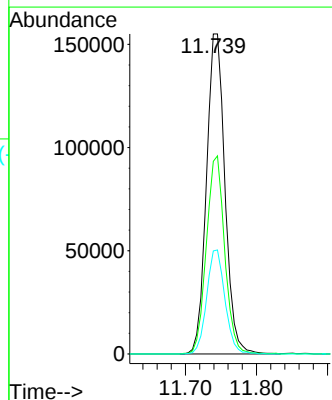
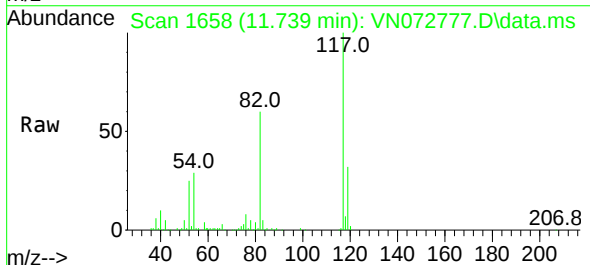
Instrument :
MSVOA_N
ClientSampleId :
52322-B

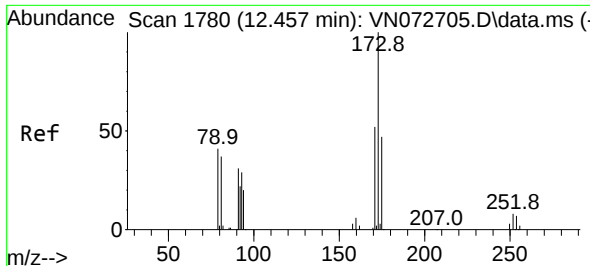
Tgt Ion: 95 Resp: 211686
Ion Ratio Lower Upper
95 100
174 63.7 0.0 167.6
176 60.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.006 min
Lab File: VN072777.D
Acq: 10 Jun 2022 20:14

Tgt Ion: 117 Resp: 280051
Ion Ratio Lower Upper
117 100
82 60.2 44.2 66.2
119 32.2 25.4 38.0

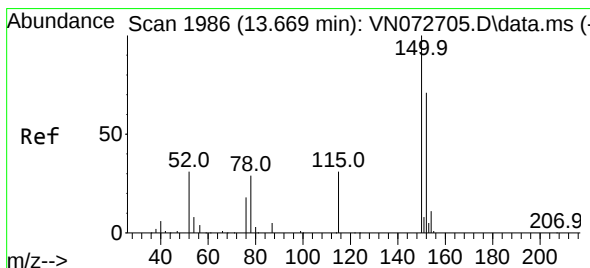
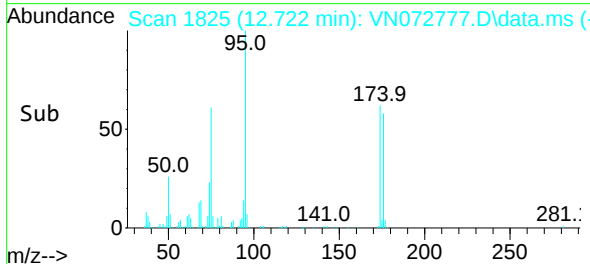
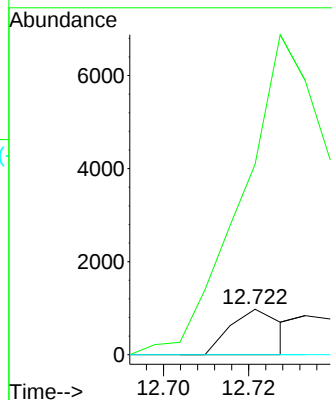
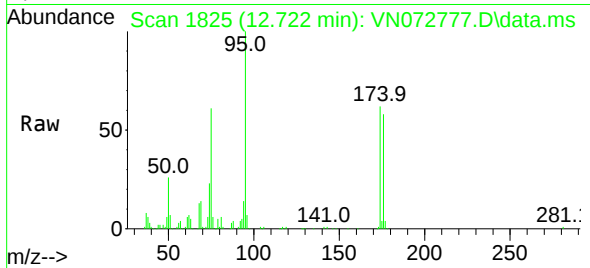




#71
Bromoform
Concen: 0.390 ug/l
RT: 12.722 min Scan# 1825
Delta R.T. 0.264 min
Lab File: VN072777.D
Acq: 10 Jun 2022 20:14

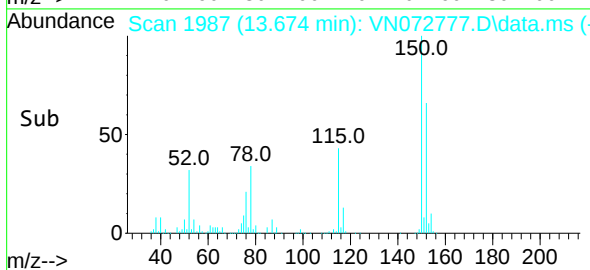
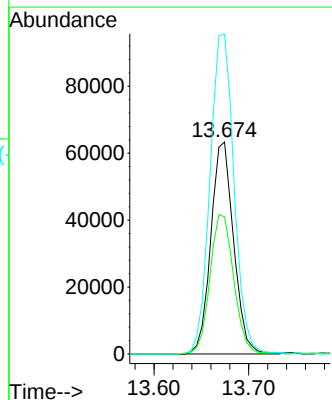
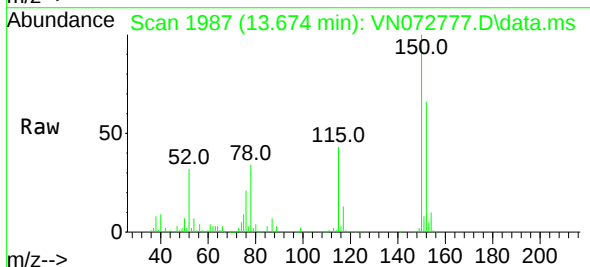
Instrument :
MSVOA_N
ClientSampleId :
52322-B

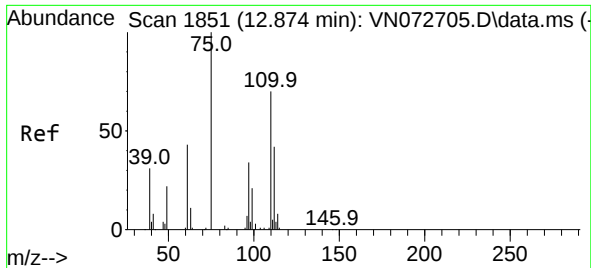
Tgt Ion:173 Resp: 814
Ion Ratio Lower Upper
173 100
175 933.3 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN072777.D
Acq: 10 Jun 2022 20:14

Tgt Ion:152 Resp: 105986
Ion Ratio Lower Upper
152 100
115 68.7 28.9 86.7
150 159.3 0.0 356.2

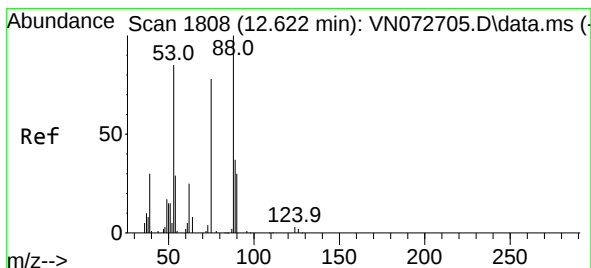
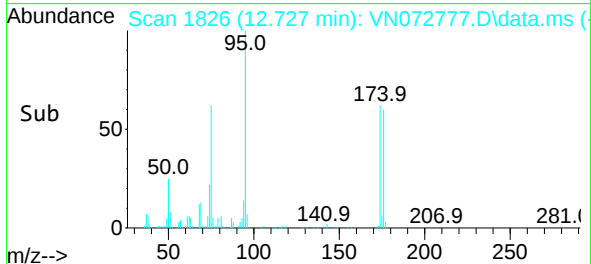
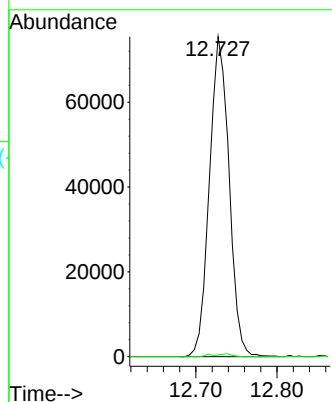
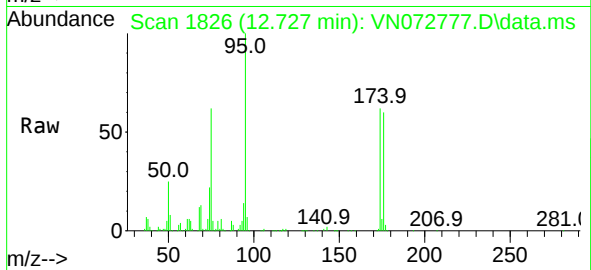




#76
1,2,3-Trichloropropane
Concen: 37.088 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072777.D
Acq: 10 Jun 2022 20:14

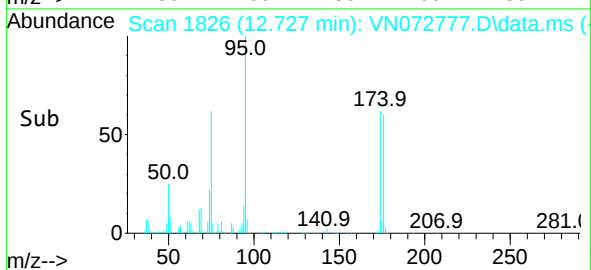
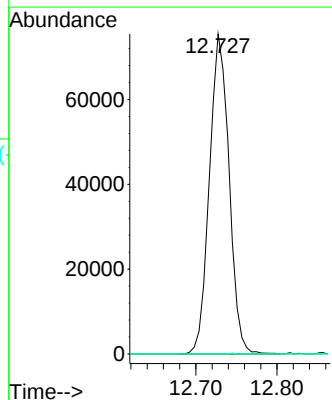
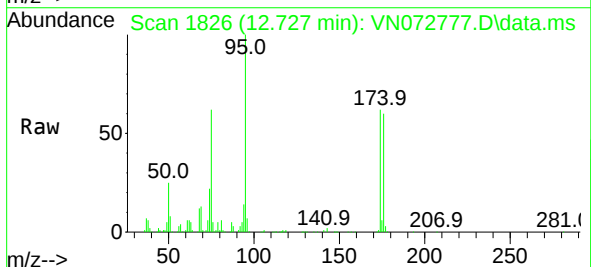
Instrument :
MSVOA_N
ClientSampleId :
52322-B

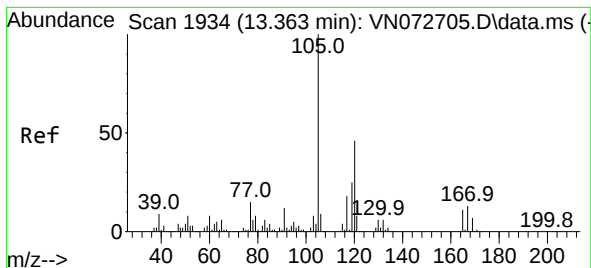
Tgt Ion: 75 Resp: 126845
Ion Ratio Lower Upper
75 100
77 0.6 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.995 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072777.D
Acq: 10 Jun 2022 20:14

Tgt Ion: 75 Resp: 126845
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#





#84

1,2,4-Trimethylbenzene

Concen: 0.223 ug/l

RT: 13.369 min Scan# 1934

Delta R.T. 0.006 min

Lab File: VN072777.D

Acq: 10 Jun 2022 20:14

Instrument :

MSVOA_N

ClientSampleId :

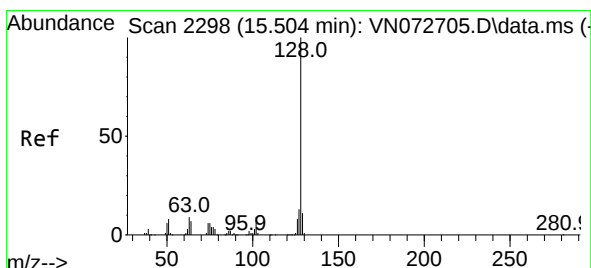
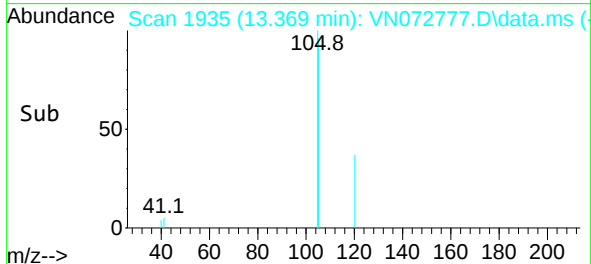
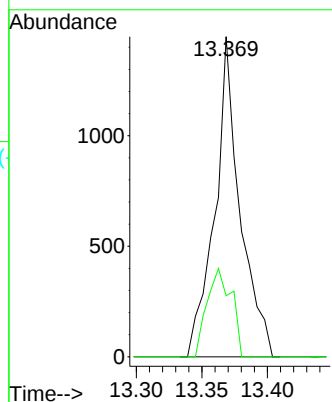
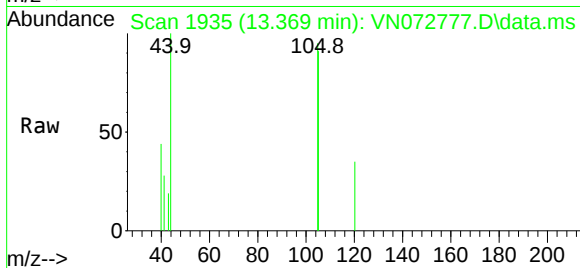
52322-B

Tgt Ion:105 Resp: 1926

Ion Ratio Lower Upper

105 100

120 26.7 23.3 69.8



#95

Naphthalene

Concen: 1.561 ug/l

RT: 15.510 min Scan# 2299

Delta R.T. 0.006 min

Lab File: VN072777.D

Acq: 10 Jun 2022 20:14

Tgt Ion:128 Resp: 10871

Ion Ratio Lower Upper

128 100

127 11.0 10.3 15.5

129 10.5 8.6 13.0

