

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050222\
 Data File : VN072299.D
 Acq On : 02 May 2022 17:11
 Operator : JC\MD
 Sample : N2653-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 03 03:13:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

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

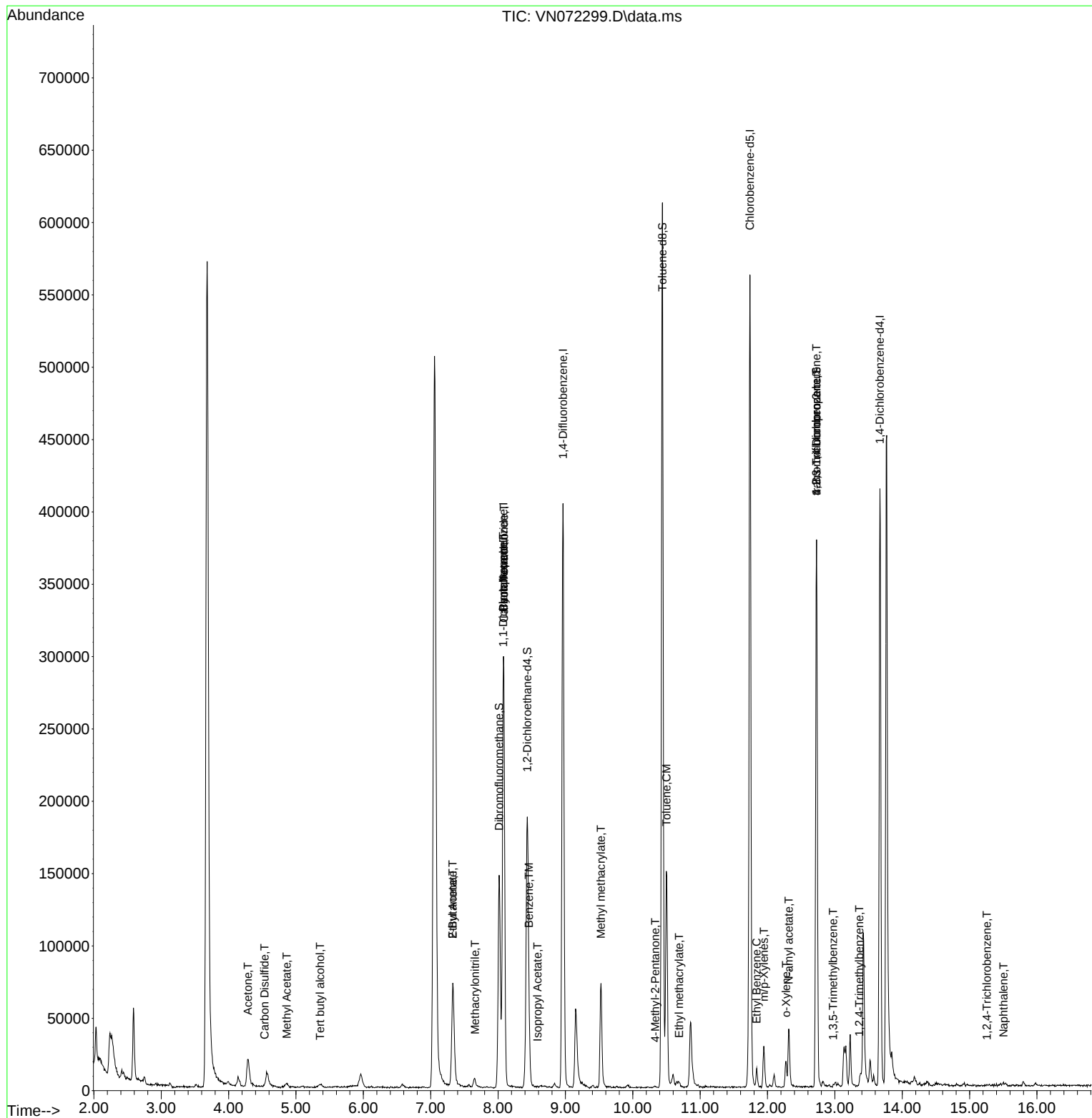
Internal Standards						
1) Pentafluorobenzene	8.081	168	205882	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	335399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	298833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	105729	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	162227	51.326	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.660%			
35) Dibromofluoromethane	8.016	113	104263	48.568	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.140%			
50) Toluene-d8	10.439	98	376034	44.578	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 89.160%			
62) 4-Bromofluorobenzene	12.727	95	127950	45.698	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 91.400%			
Target Compounds						
						Qvalue
3) Chloromethane	2.305	50	1123	Below Cal	#	43
5) Bromomethane	2.875	94	61	Below Cal	#	2
6) Chloroethane	3.063	64	665	Below Cal	#	42
11) Tert butyl alcohol	5.357	59	4841	9.320	ug/l	# 81
16) Acetone	4.287	43	37436	27.471	ug/l	# 86
17) Carbon Disulfide	4.534	76	667	0.506	ug/l	# 75
18) Methyl Acetate	4.863	43	5988	1.533	ug/l	# 70
25) 2-Butanone	7.328	43	114414	52.720	ug/l	98
31) Cyclohexane	8.081	56	5372	1.272	ug/l	# 22
36) 1,1-Dichloropropene	8.075	75	18003	5.761	ug/l	# 41
37) Ethyl Acetate	7.328	43	114414	27.572	ug/l	# 67
38) Carbon Tetrachloride	8.087	117	24321	7.267	ug/l	# 16
40) Benzene	8.457	78	27911	2.880	ug/l	95
41) Methacrylonitrile	7.657	41	1292	0.615	ug/l	# 36
43) Isopropyl Acetate	8.587	43	659	0.901	ug/l	# 53
48) Methyl methacrylate	9.528	41	22476	8.200	ug/l	# 39
51) 4-Methyl-2-Pentanone	10.333	43	966	0.247	ug/l	# 68
52) Toluene	10.498	92	62961	10.866	ug/l	97
56) Ethyl methacrylate	10.686	69	956	2.579	ug/l	# 28
67) Ethyl Benzene	11.839	91	8236	0.782	ug/l	97
68) m/p-Xylenes	11.945	106	8041	2.056	ug/l	80
69) o-Xylene	12.275	106	2782	0.734	ug/l	71
74) N-amyl acetate	12.316	43	7516	2.148	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.869	83	58	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.727	75	74930	31.534	ug/l	# 1
80) 1,3,5-Trimethylbenzene	12.974	105	1628	0.209	ug/l	65
81) trans-1,4-Dichloro-2-b...	12.727	75	74930	81.944	ug/l	# 11
84) 1,2,4-Trimethylbenzene	13.363	105	2545	0.338	ug/l	79
93) 1,2,4-Trichlorobenzene	15.257	180	62	2.456	ug/l	# 12
95) Naphthalene	15.504	128	2386	4.698	ug/l	# 85

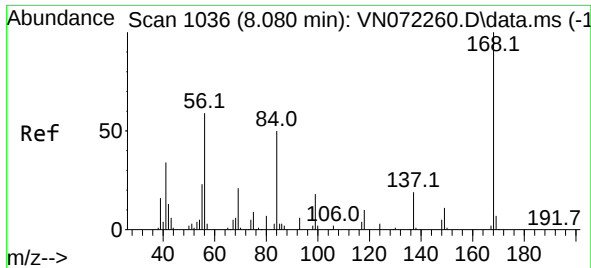
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 26 18:50:11 2022
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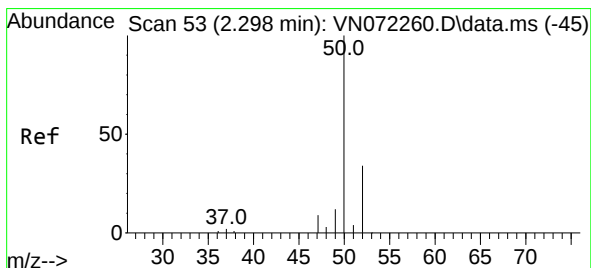
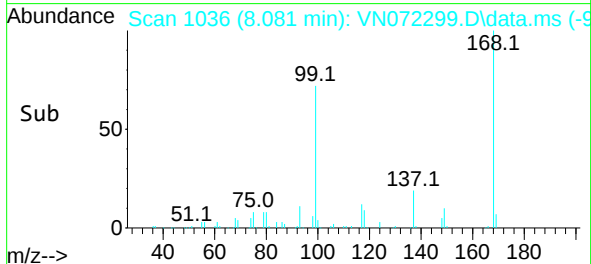
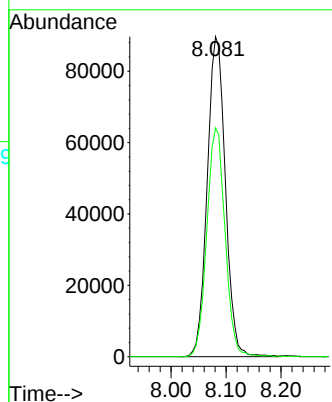
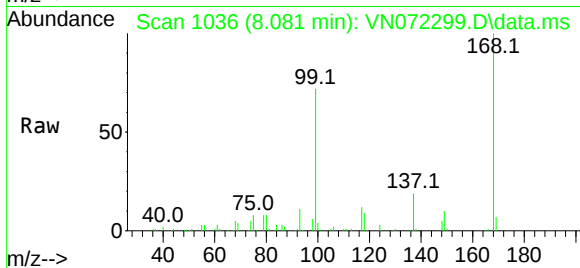




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

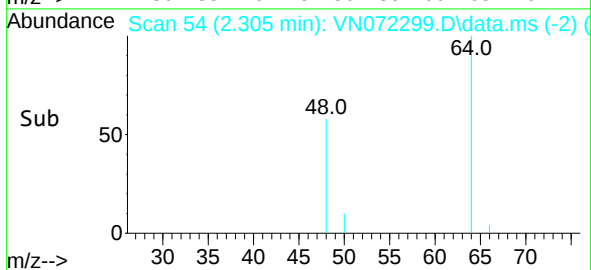
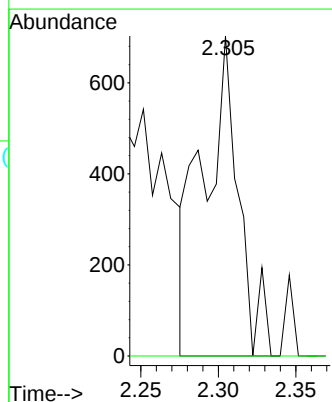
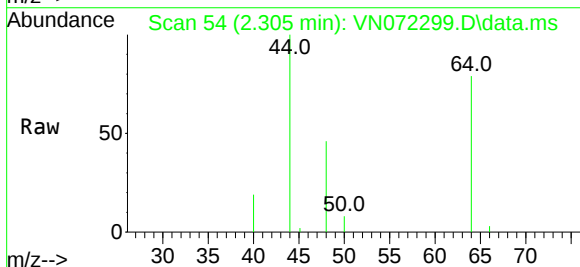
Instrument :
MSVOA_N
ClientSampleId :

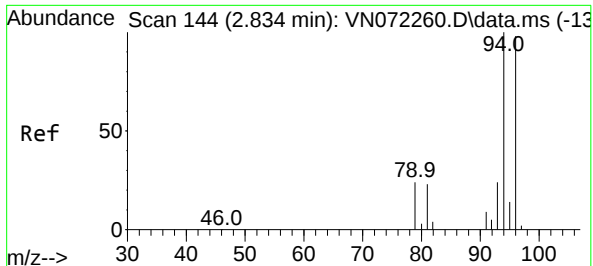
Tgt Ion:168 Resp: 205882
Ion Ratio Lower Upper
168 100
99 71.5 42.3 63.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

Tgt Ion: 50 Resp: 1123
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#





#5

Bromomethane

Concen: Below Cal

RT: 2.875 min Scan# 1

Delta R.T. 0.041 min

Lab File: VN072299.D

Acq: 02 May 2022 17:11

Instrument :

MSVOA_N

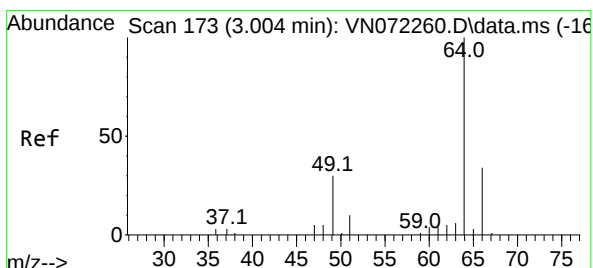
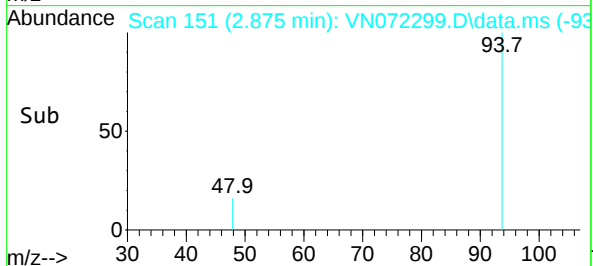
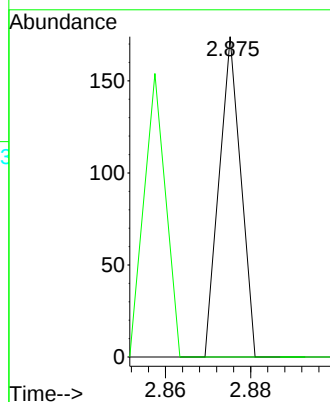
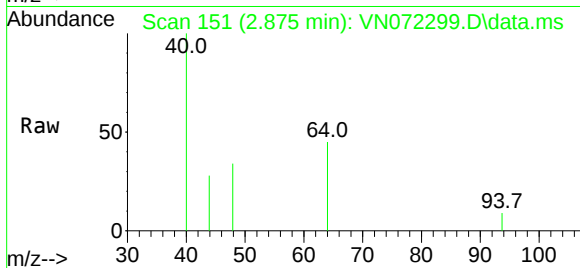
ClientSampleId :

Tgt Ion: 94 Resp: 61

Ion Ratio Lower Upper

94 100

96 0.0 76.0 114.0#



#6

Chloroethane

Concen: Below Cal

RT: 3.063 min Scan# 183

Delta R.T. 0.058 min

Lab File: VN072299.D

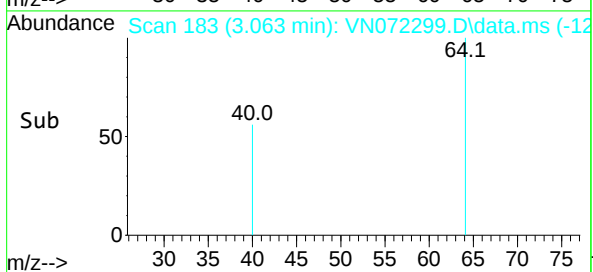
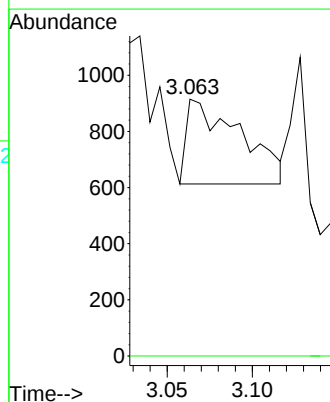
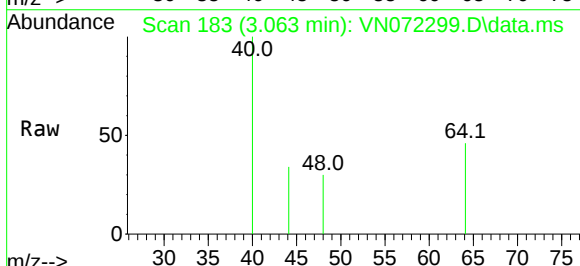
Acq: 02 May 2022 17:11

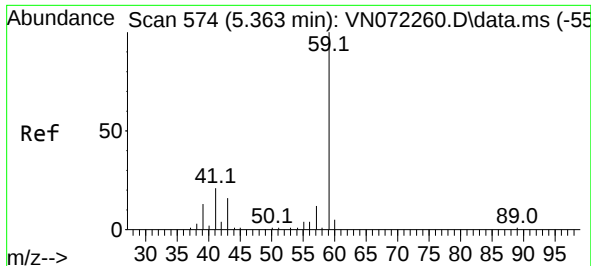
Tgt Ion: 64 Resp: 665

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#

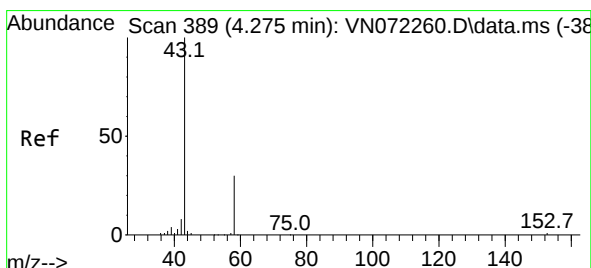
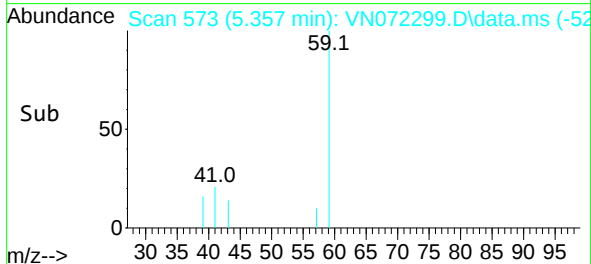
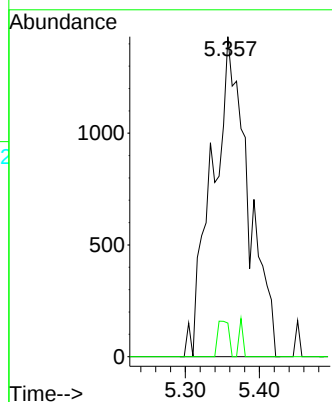
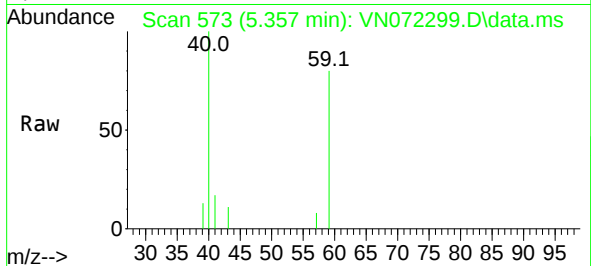




#11
Tert butyl alcohol
Concen: 9.320 ug/l
RT: 5.357 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

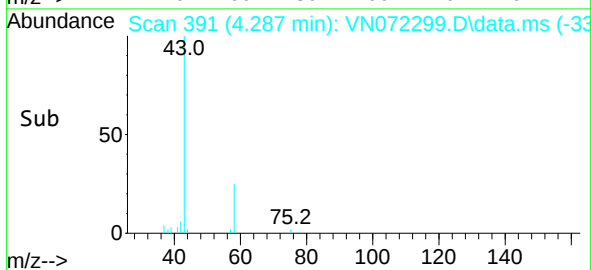
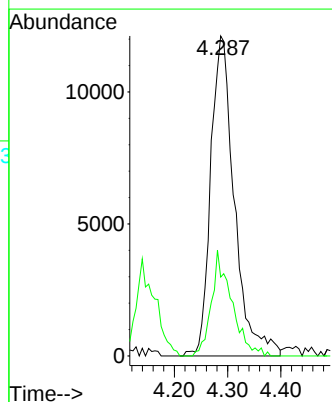
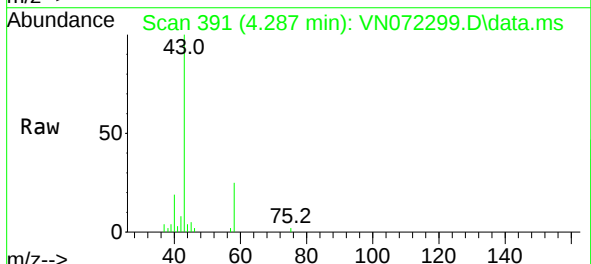
Instrument :
MSVOA_N
ClientSampleId :

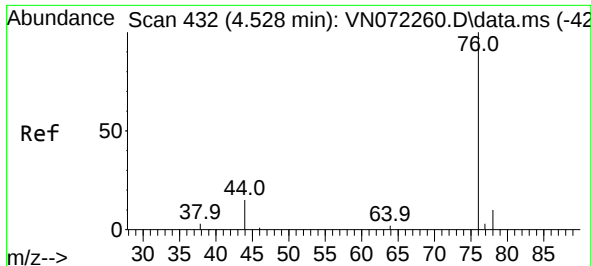
Tgt Ion: 59 Resp: 4841
Ion Ratio Lower Upper
59 100
57 3.4 8.3 12.5#



#16
Acetone
Concen: 27.471 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

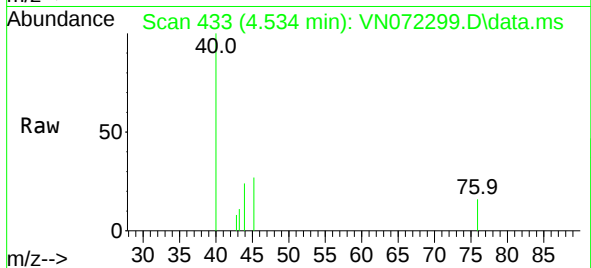
Tgt Ion: 43 Resp: 37436
Ion Ratio Lower Upper
43 100
58 24.7 26.0 39.0#



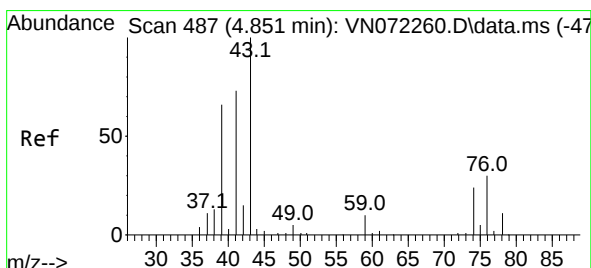
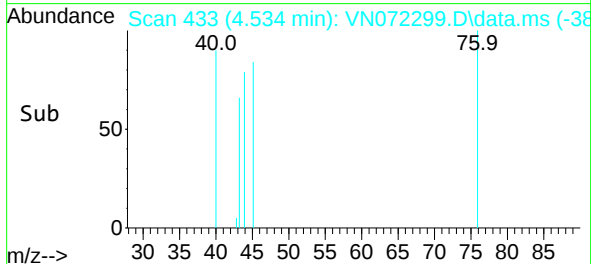
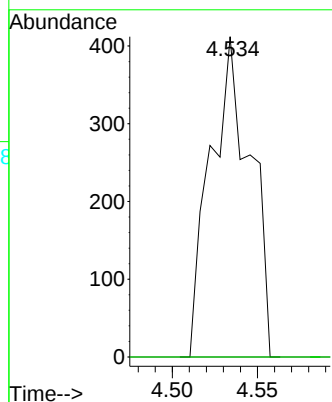


#17
Carbon Disulfide
Concen: 0.506 ug/l
RT: 4.534 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

Instrument :
MSVOA_N
ClientSampleId :

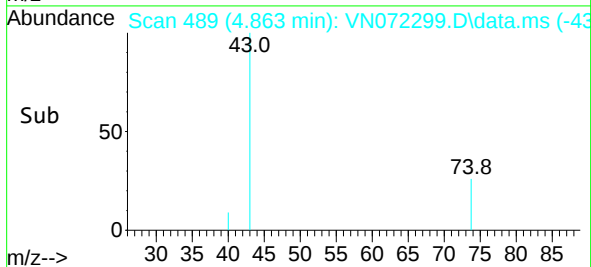
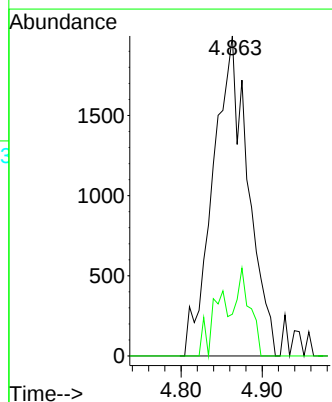
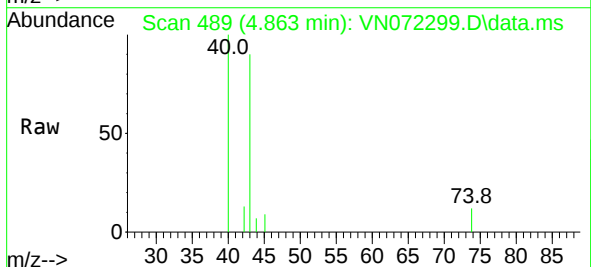


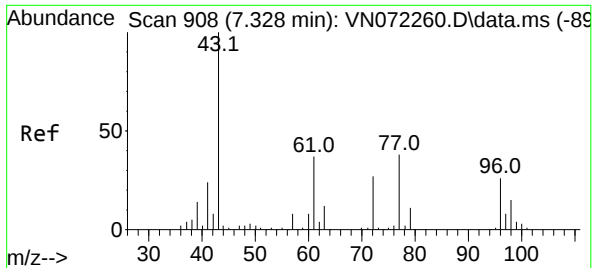
Tgt Ion: 76 Resp: 667
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 1.533 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.012 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

Tgt Ion: 43 Resp: 5988
Ion Ratio Lower Upper
43 100
74 11.7 21.6 32.4#

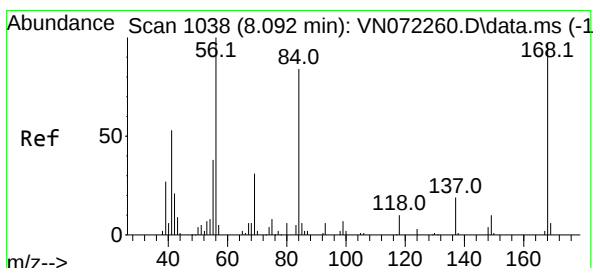
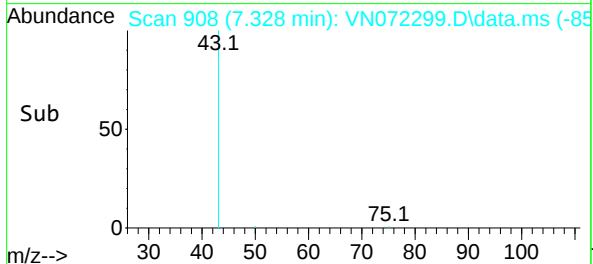
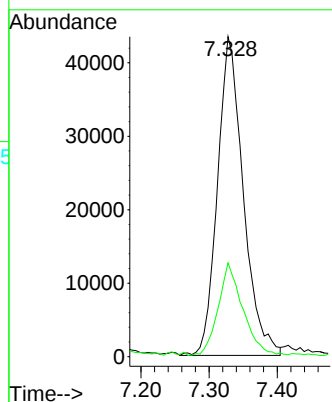
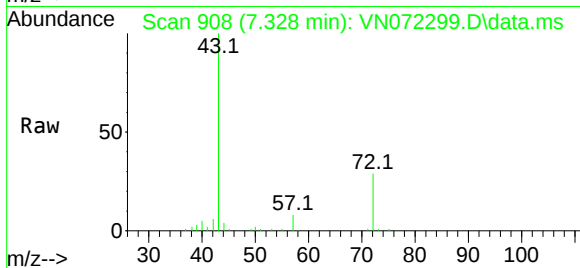




#25
2-Butanone
Concen: 52.720 ug/l
RT: 7.328 min Scan# 908
Delta R.T. -0.000 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

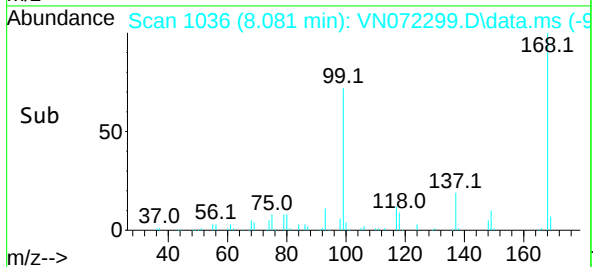
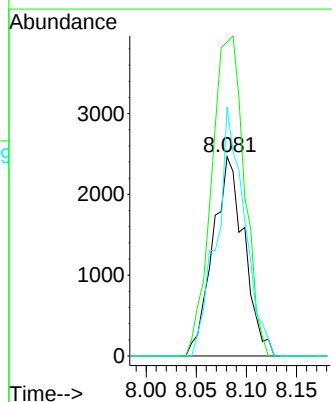
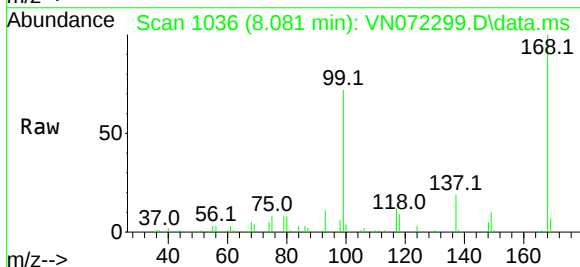
Instrument :
MSVOA_N
ClientSampleId :

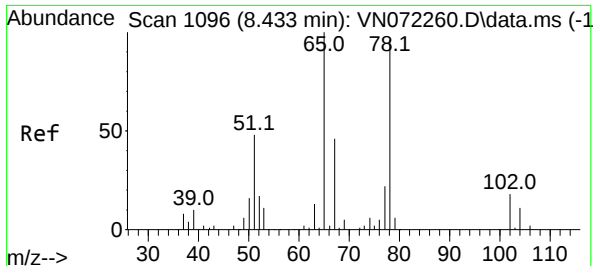
Tgt Ion: 43 Resp: 114414
Ion Ratio Lower Upper
43 100
72 28.7 23.7 35.5



#31
Cyclohexane
Concen: 1.272 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

Tgt Ion: 56 Resp: 5372
Ion Ratio Lower Upper
56 100
69 157.6 27.8 41.8#
84 124.9 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 51.326 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN072299.D

Acq: 02 May 2022 17:11

Instrument :

MSVOA_N

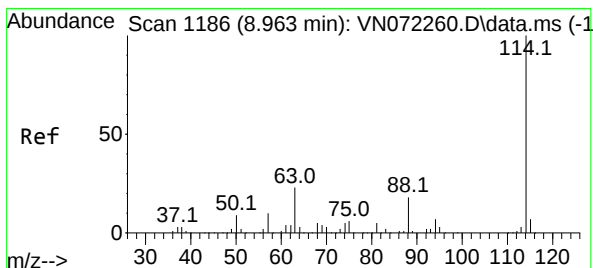
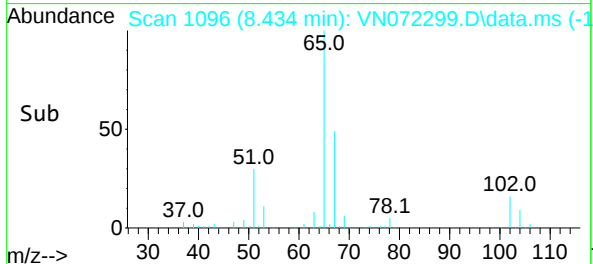
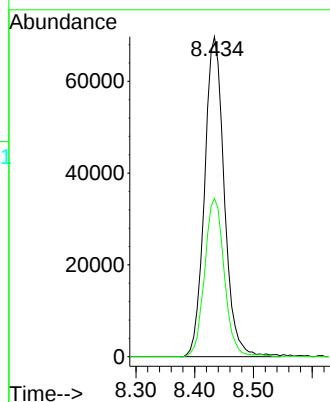
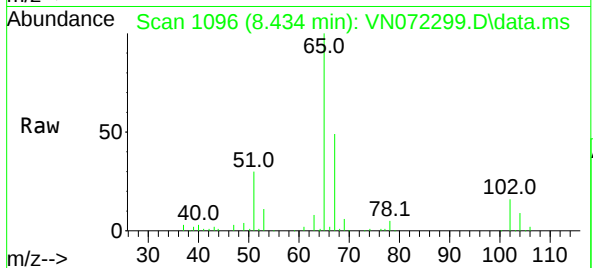
ClientSampleId :

Tgt Ion: 65 Resp: 162227

Ion Ratio Lower Upper

65 100

67 49.4 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: VN072299.D

Acq: 02 May 2022 17:11

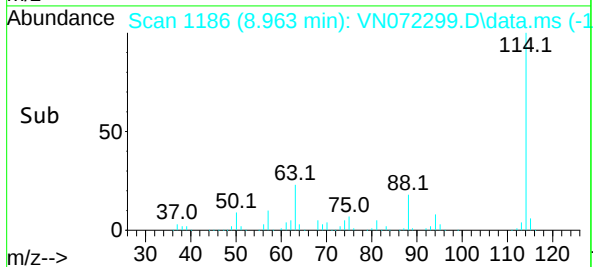
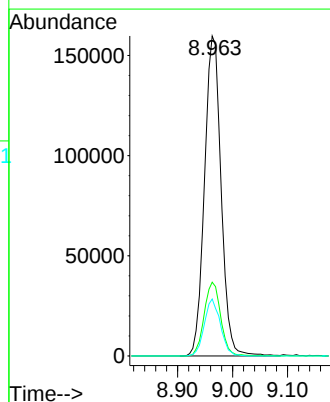
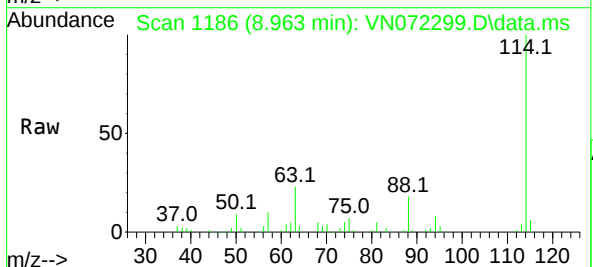
Tgt Ion: 114 Resp: 335399

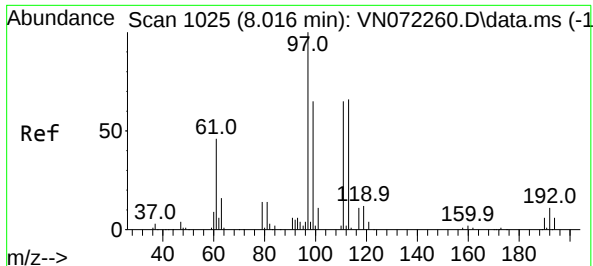
Ion Ratio Lower Upper

114 100

63 23.0 0.0 40.0

88 17.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.568 ug/l

RT: 8.016 min Scan# 1035

Delta R.T. -0.000 min

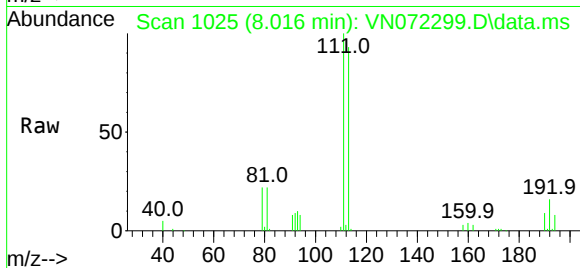
Lab File: VN072299.D

Acq: 02 May 2022 17:11

Instrument :

MSVOA_N

ClientSampleId :



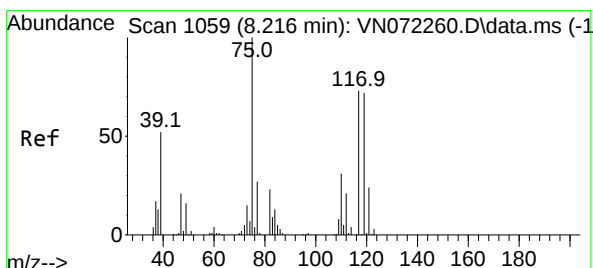
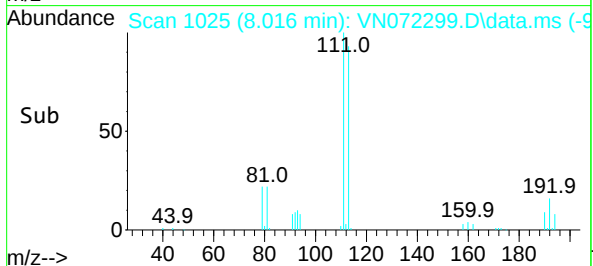
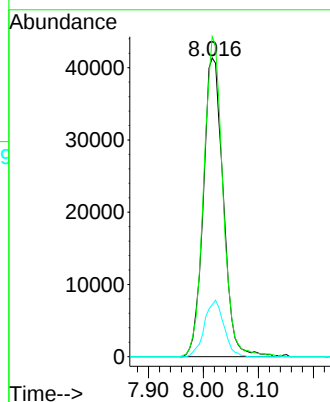
Tgt Ion:113 Resp: 104263

Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.0

192 18.5 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.761 ug/l

RT: 8.075 min Scan# 1035

Delta R.T. -0.141 min

Lab File: VN072299.D

Acq: 02 May 2022 17:11

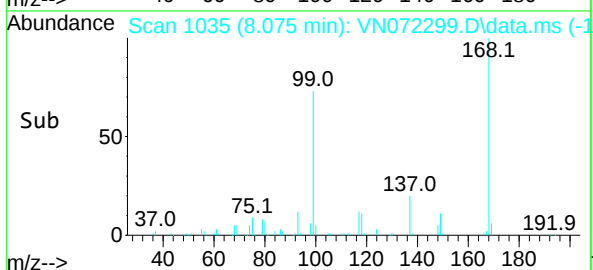
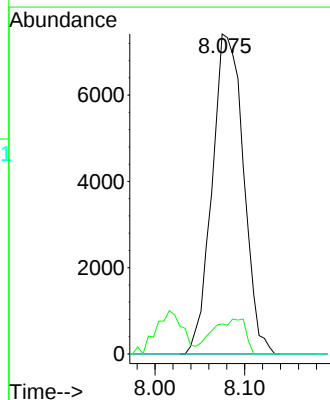
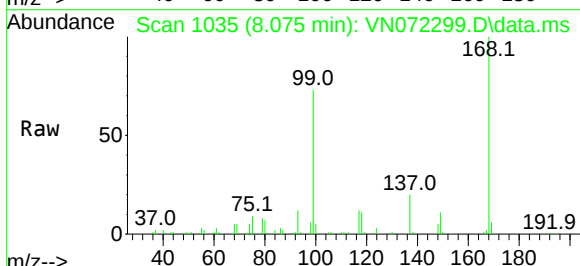
Tgt Ion: 75 Resp: 18003

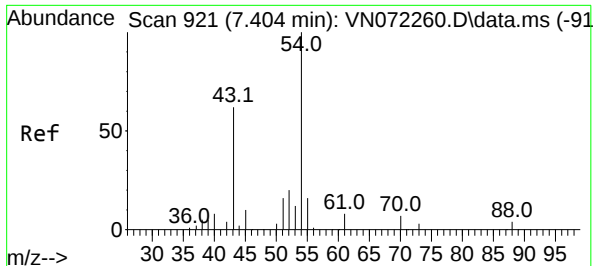
Ion Ratio Lower Upper

75 100

110 0.0 18.3 54.8#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 27.572 ug/l

RT: 7.328 min Scan# 90

Delta R.T. -0.082 min

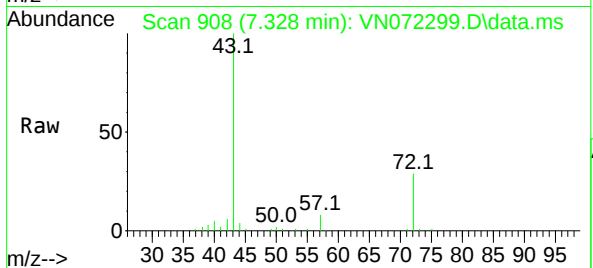
Lab File: VN072299.D

Acq: 02 May 2022 17:11

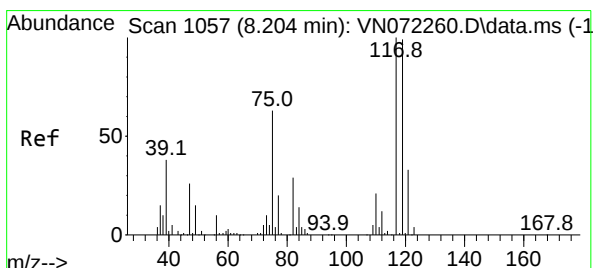
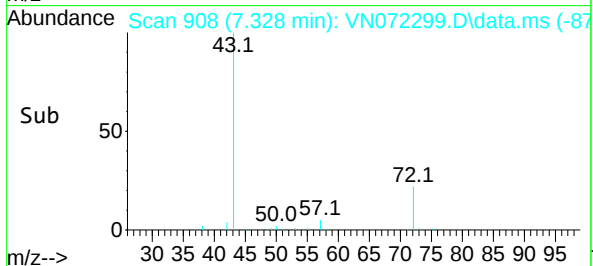
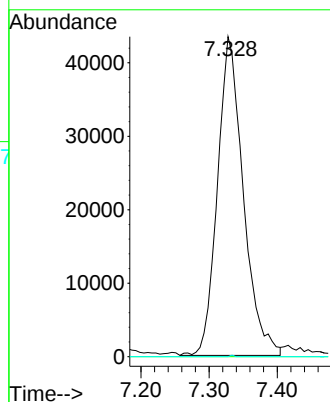
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	114414
Ion Ratio	Lower	Upper	
43	100		
61	0.0	11.8	17.6#
70	0.1	9.3	13.9#



#38

Carbon Tetrachloride

Concen: 7.267 ug/l

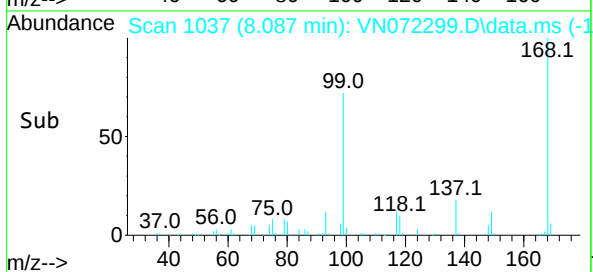
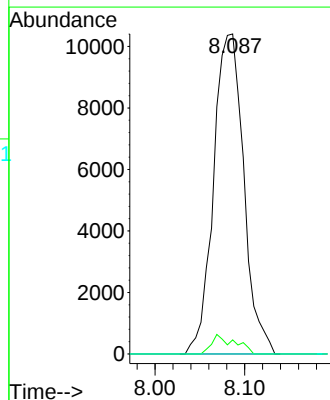
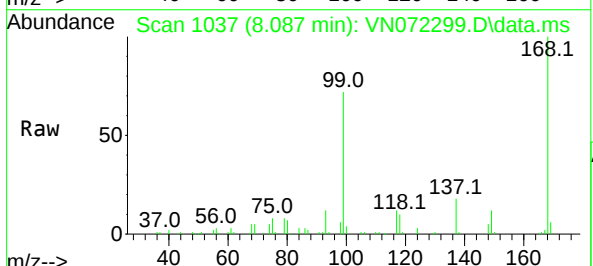
RT: 8.087 min Scan# 1037

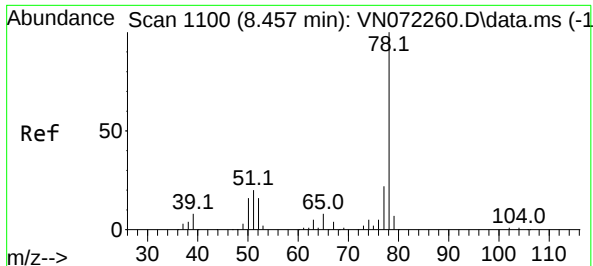
Delta R.T. -0.117 min

Lab File: VN072299.D

Acq: 02 May 2022 17:11

Tgt Ion:	117	Resp:	24321
Ion Ratio	Lower	Upper	
117	100		
119	4.4	75.8	113.8#
121	0.0	24.6	37.0#

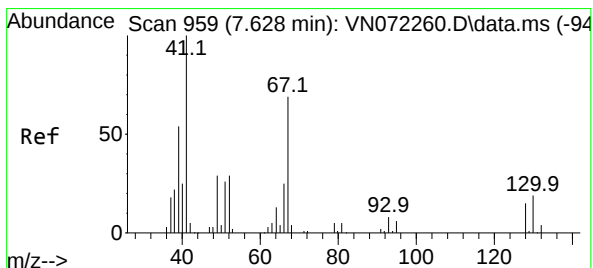
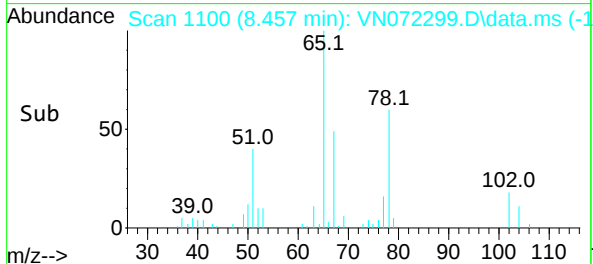
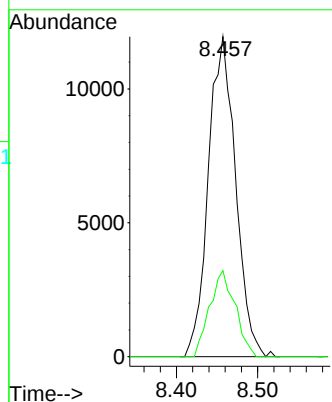
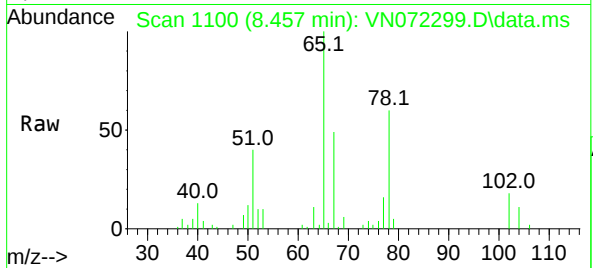




#40
Benzene
Concen: 2.880 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

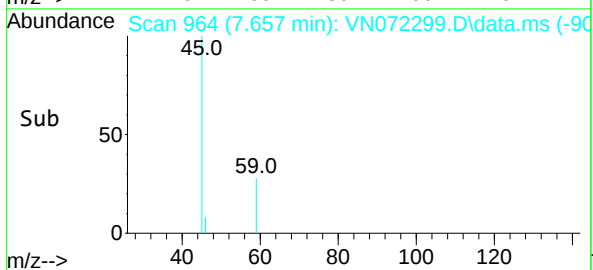
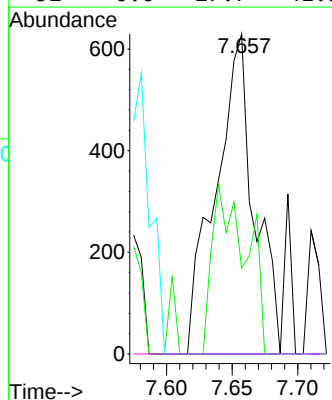
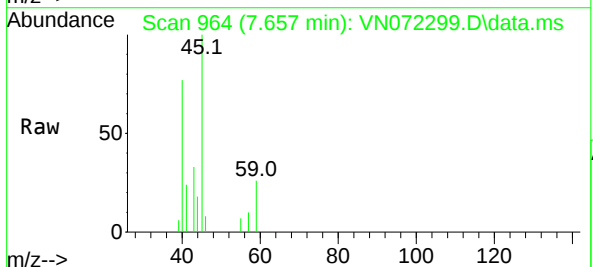
Instrument :
MSVOA_N
ClientSampleId :

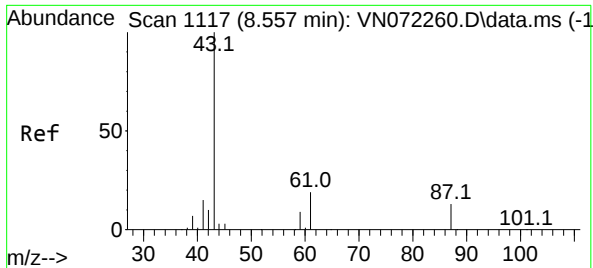
Tgt Ion: 78 Resp: 27911
Ion Ratio Lower Upper
78 100
77 26.9 19.4 29.0



#41
Methacrylonitrile
Concen: 0.615 ug/l
RT: 7.657 min Scan# 964
Delta R.T. 0.023 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

Tgt Ion: 41 Resp: 1292
Ion Ratio Lower Upper
41 100
39 46.7 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#

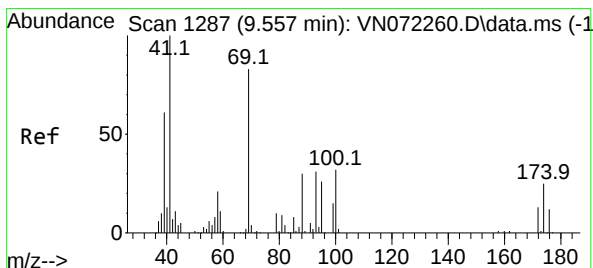
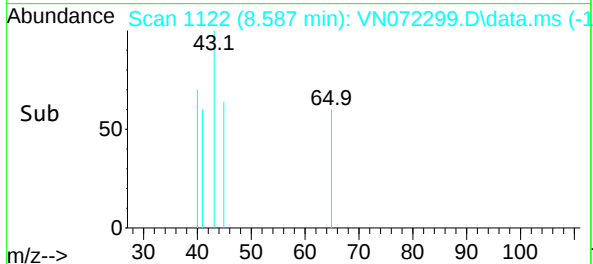
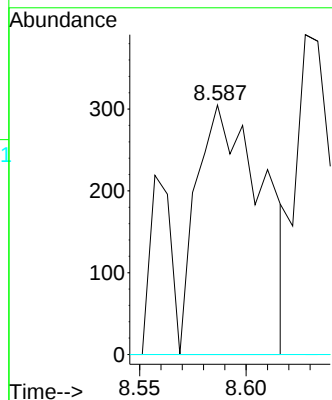
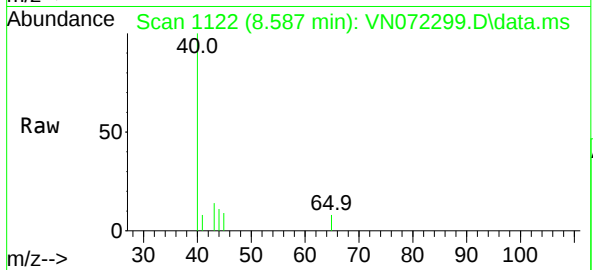




#43
Isopropyl Acetate
Concen: 0.901 ug/l
RT: 8.587 min Scan# 1117
Delta R.T. 0.030 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

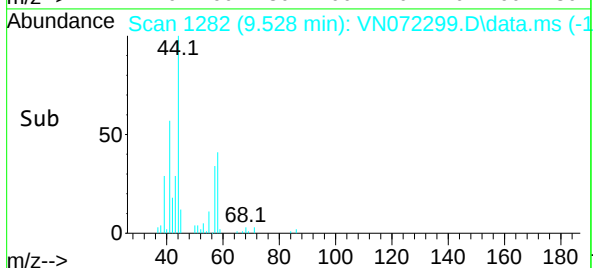
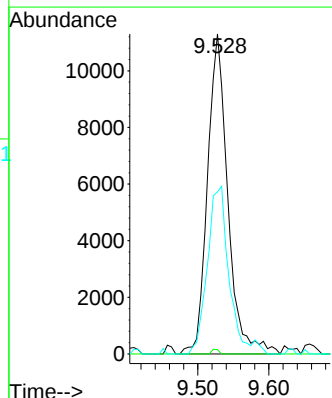
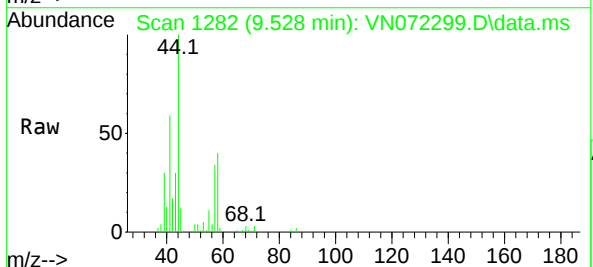
Instrument :
MSVOA_N
ClientSampleId :

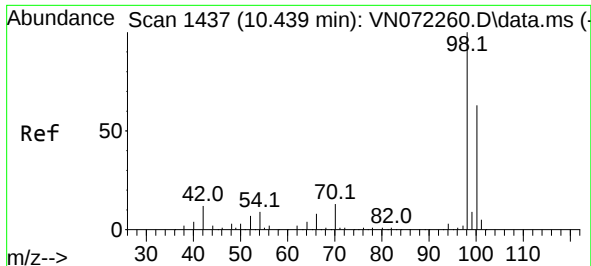
Tgt Ion: 43 Resp: 659
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#48
Methyl methacrylate
Concen: 8.200 ug/l
RT: 9.528 min Scan# 1282
Delta R.T. -0.029 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

Tgt Ion: 41 Resp: 22476
Ion Ratio Lower Upper
41 100
69 0.5 74.7 112.1#
39 54.7 45.6 68.4

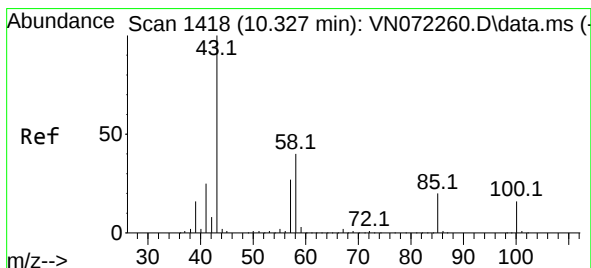
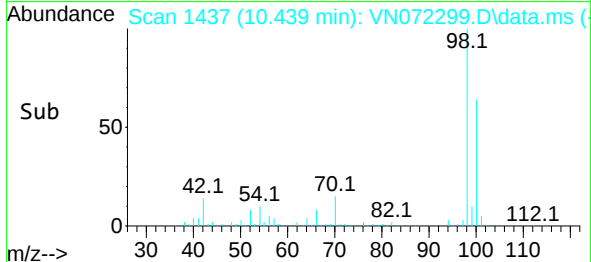
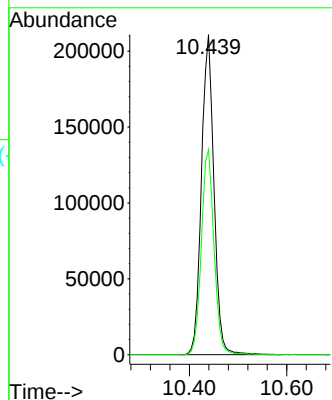
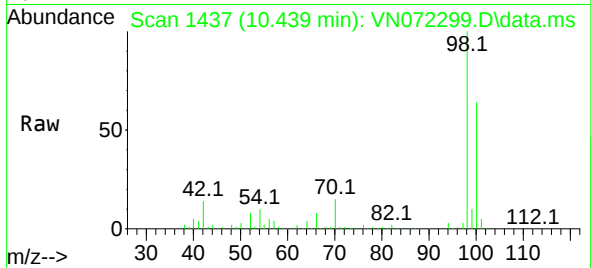




#50
Toluene-d8
Concen: 44.578 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

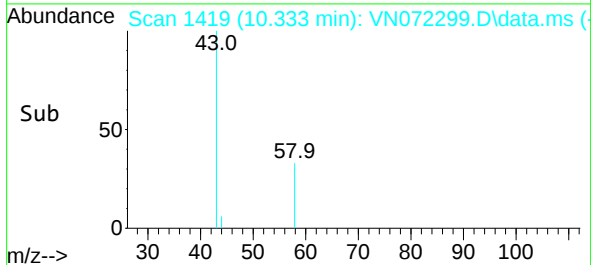
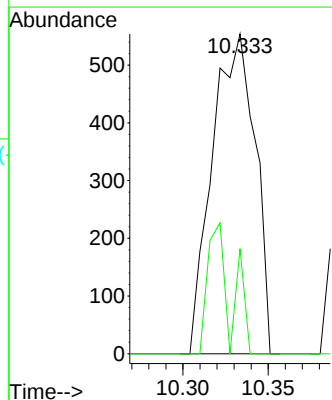
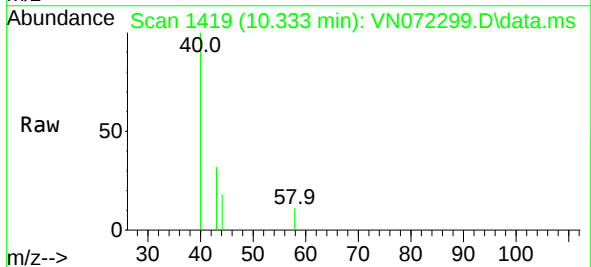
Instrument :
MSVOA_N
ClientSampleId :

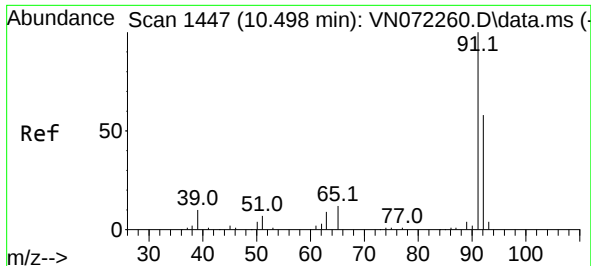
Tgt Ion: 98 Resp: 376034
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.247 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.005 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

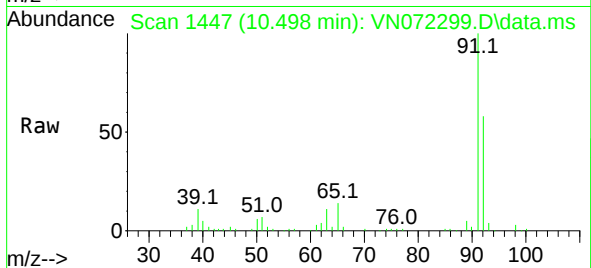
Tgt Ion: 43 Resp: 966
Ion Ratio Lower Upper
43 100
58 22.0 34.1 51.1#



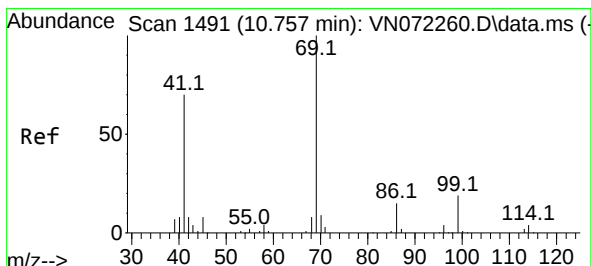
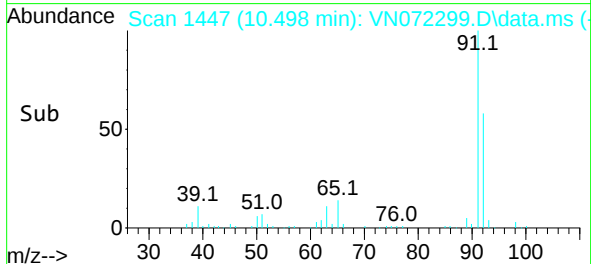
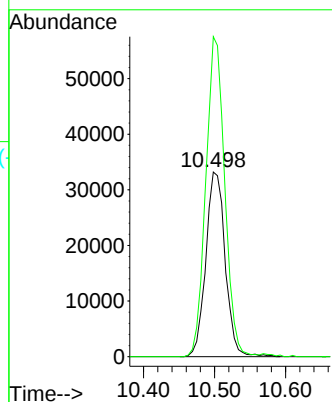


#52
Toluene
Concen: 10.866 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

Instrument :
MSVOA_N
ClientSampleId :

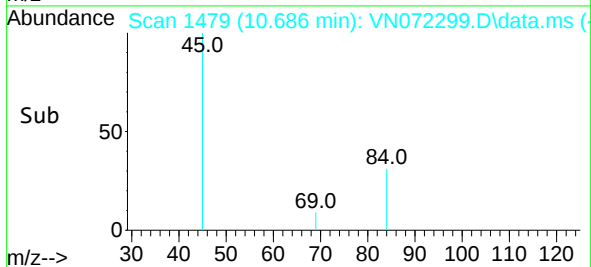
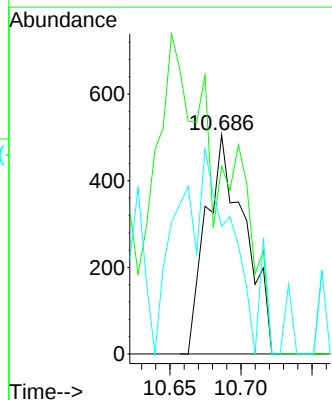
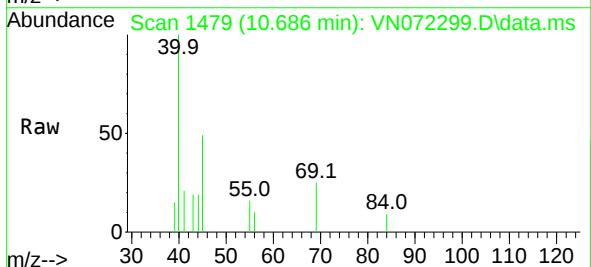


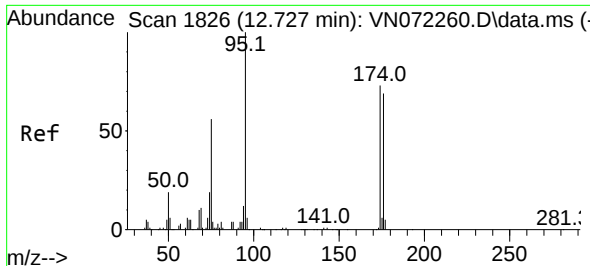
Tgt Ion: 92 Resp: 62961
Ion Ratio Lower Upper
92 100
91 169.4 138.6 207.8



#56
Ethyl methacrylate
Concen: 2.579 ug/l
RT: 10.686 min Scan# 1479
Delta R.T. -0.071 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

Tgt Ion: 69 Resp: 956
Ion Ratio Lower Upper
69 100
41 0.0 47.8 71.6#
39 68.6 27.3 40.9#

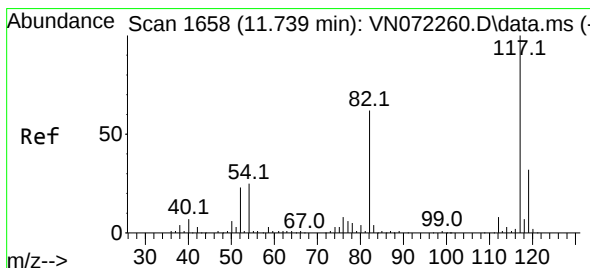
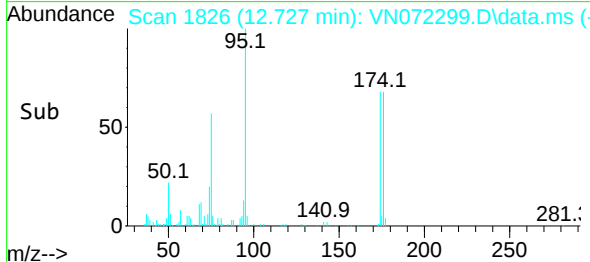
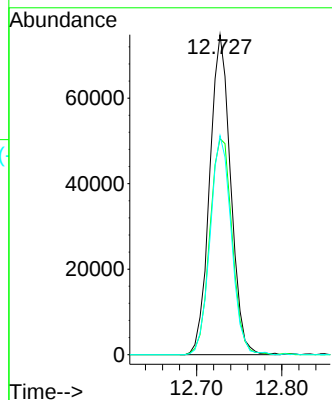
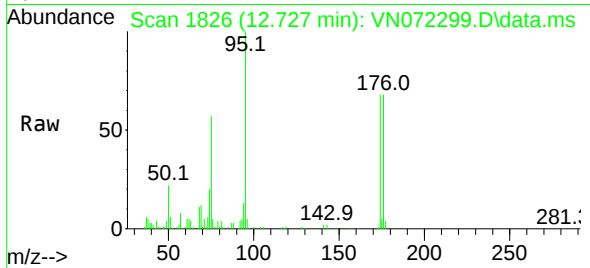




#62
4-Bromofluorobenzene
Concen: 45.698 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

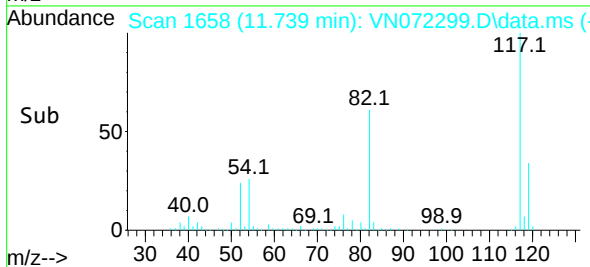
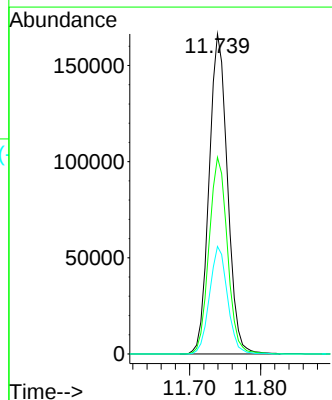
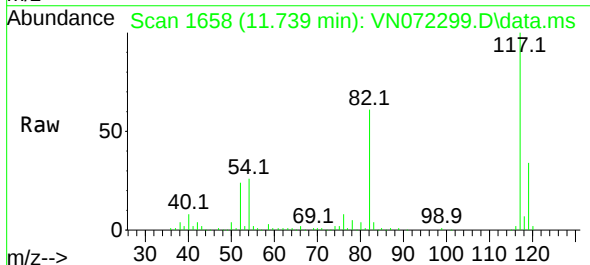
Instrument :
MSVOA_N
ClientSampleId :

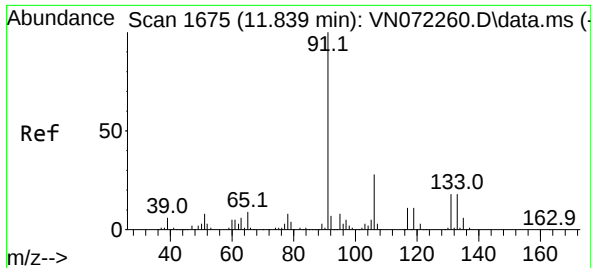
Tgt Ion: 95 Resp: 127950
Ion Ratio Lower Upper
95 100
174 71.7 0.0 167.6
176 69.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

Tgt Ion: 117 Resp: 298833
Ion Ratio Lower Upper
117 100
82 61.5 44.2 66.2
119 33.6 25.4 38.0

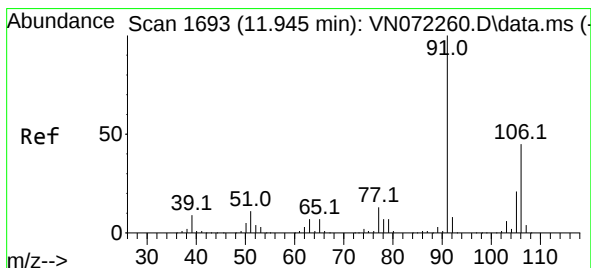
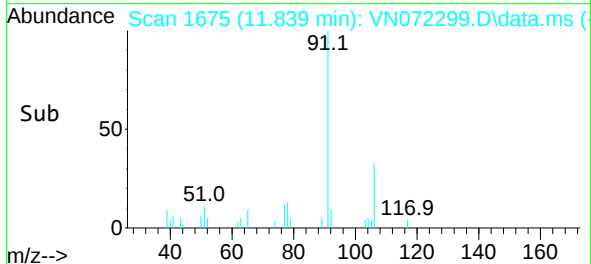
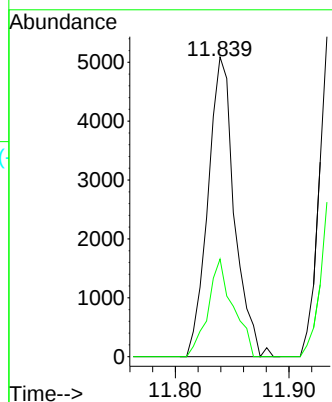
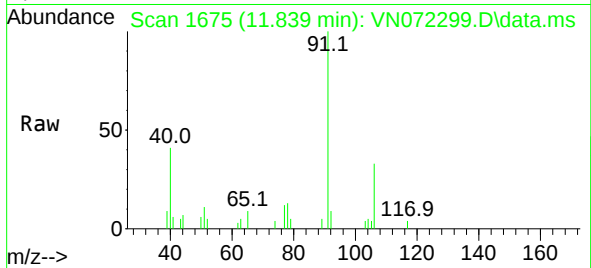




#67
Ethyl Benzene
Concen: 0.782 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

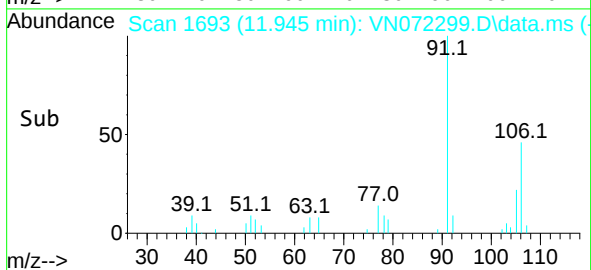
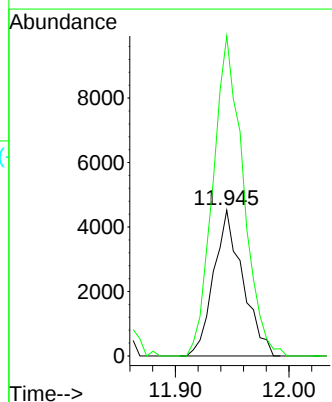
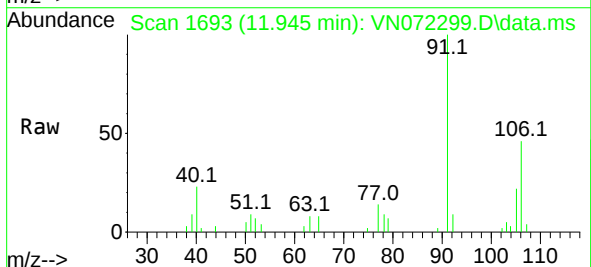
Instrument :
MSVOA_N
ClientSampleId :

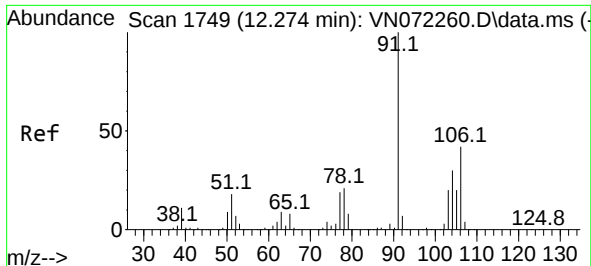
Tgt Ion: 91 Resp: 8236
Ion Ratio Lower Upper
91 100
106 32.6 24.9 37.3



#68
m/p-Xylenes
Concen: 2.056 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

Tgt Ion: 106 Resp: 8041
Ion Ratio Lower Upper
106 100
91 228.3 158.9 238.3

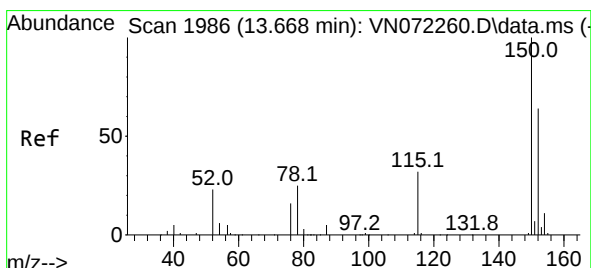
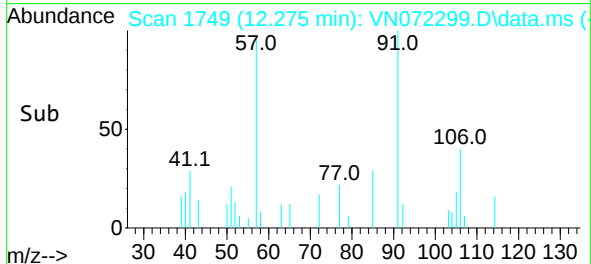
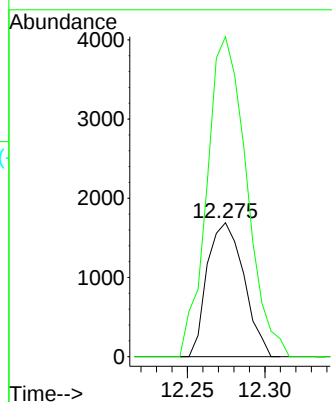
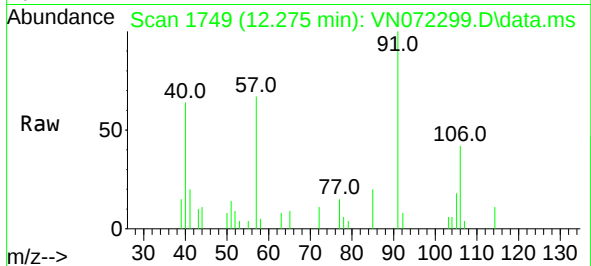




#69
o-Xylene
Concen: 0.734 ug/l
RT: 12.275 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

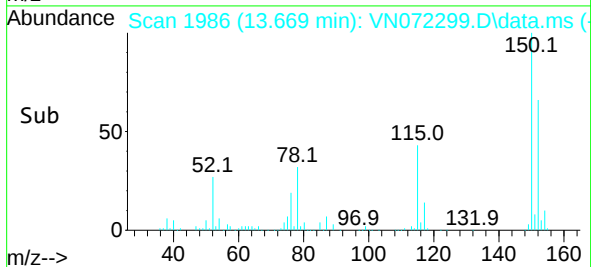
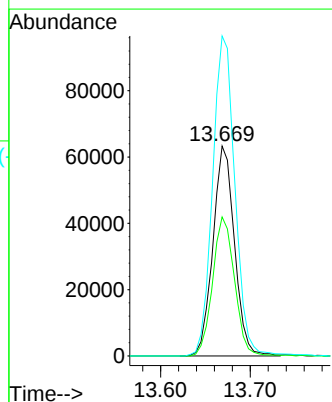
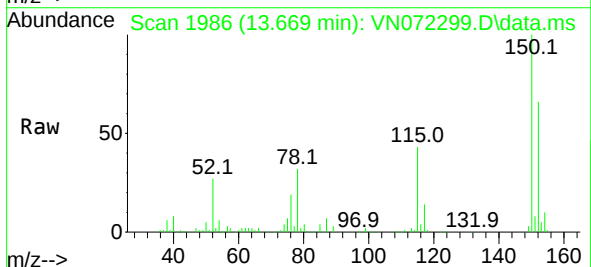
Instrument :
MSVOA_N
ClientSampleId :

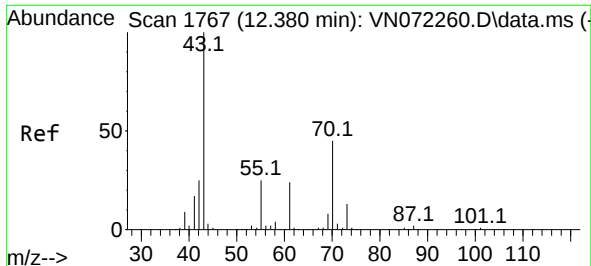
Tgt Ion:106 Resp: 2782
Ion Ratio Lower Upper
106 100
91 257.7 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

Tgt Ion:152 Resp: 105729
Ion Ratio Lower Upper
152 100
115 67.2 28.9 86.7
150 158.1 0.0 356.2

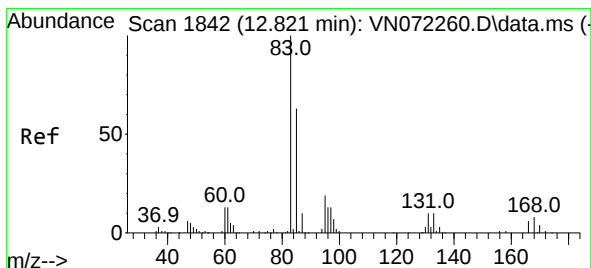
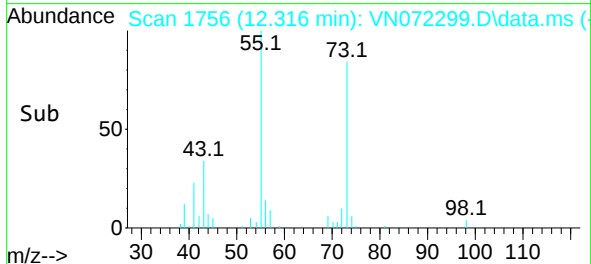
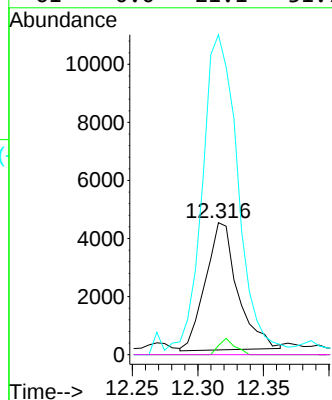
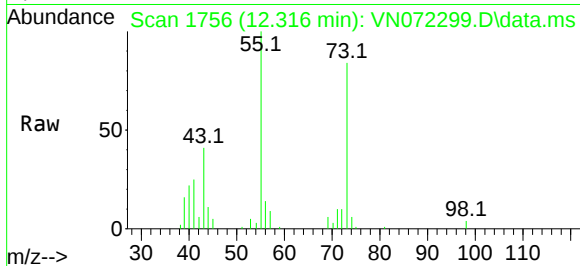




#74
N-amy1 acetate
Concen: 2.148 ug/l
RT: 12.316 min Scan# 11
Delta R.T. -0.064 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

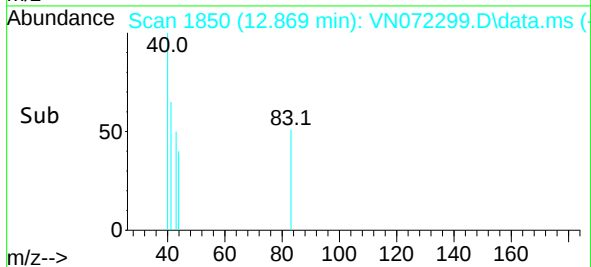
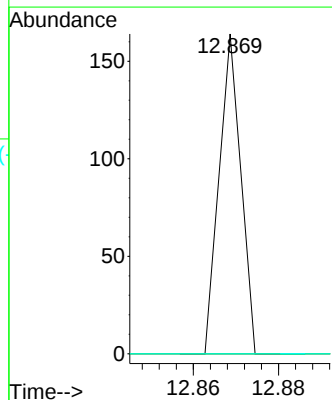
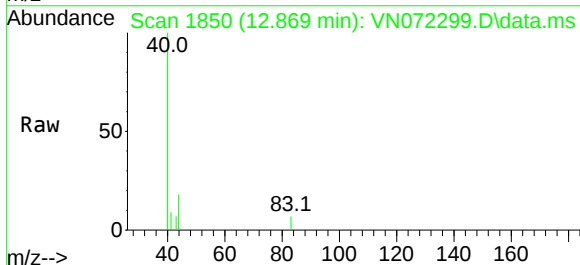
Instrument :
MSVOA_N
ClientSampleId :

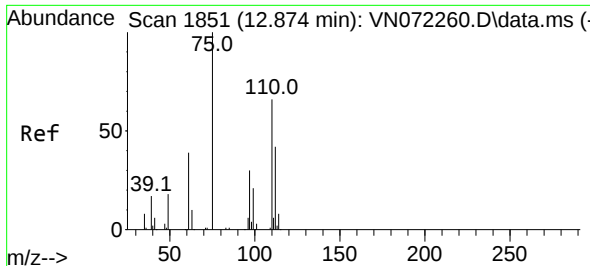
Tgt Ion: 43	Resp: 7516
Ion Ratio	Lower Upper
43 100	
70 6.3	39.0 58.4#
55 273.1	21.1 31.7#
61 0.0	21.1 31.7#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.869 min Scan# 1850
Delta R.T. 0.047 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

Tgt Ion: 83	Resp: 58
Ion Ratio	Lower Upper
83 100	
131 0.0	5.3 15.9#
85 0.0	32.3 96.9#

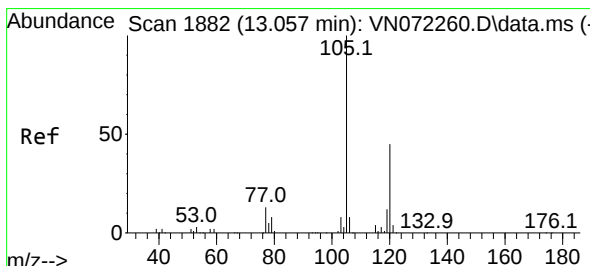
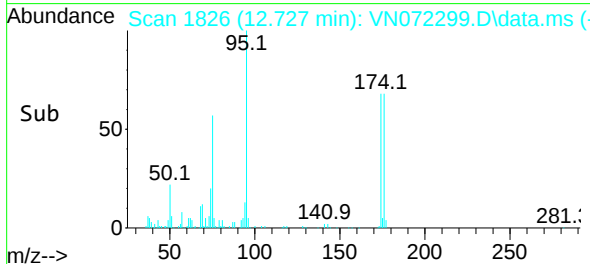
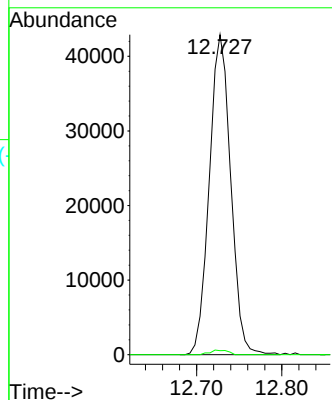
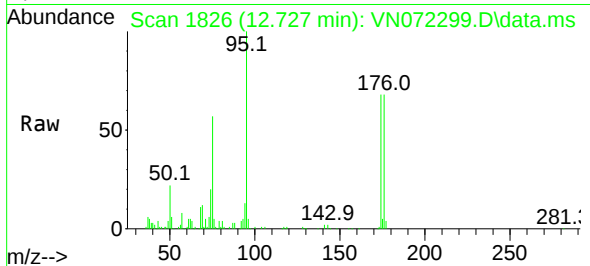




#76
1,2,3-Trichloropropane
Concen: 31.534 ug/l
RT: 12.727 min Scan# 11
Delta R.T. -0.147 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

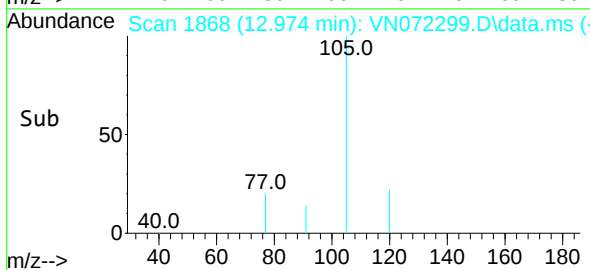
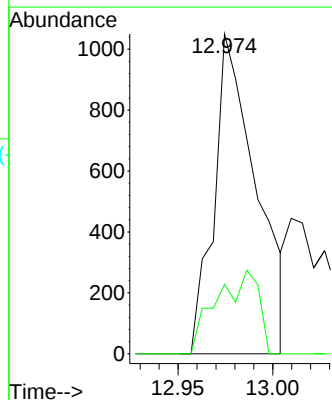
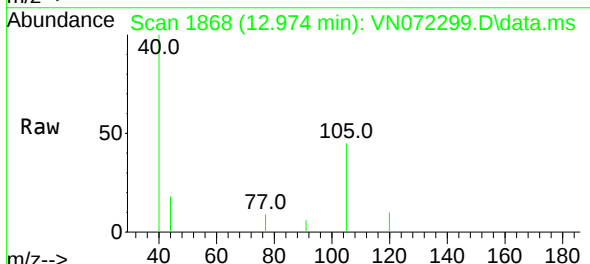
Instrument :
MSVOA_N
ClientSampleId :

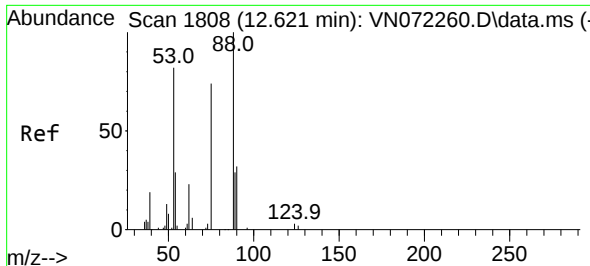
Tgt Ion: 75 Resp: 74930
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.209 ug/l
RT: 12.974 min Scan# 1868
Delta R.T. -0.077 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

Tgt Ion: 105 Resp: 1628
Ion Ratio Lower Upper
105 100
120 26.0 24.9 74.7

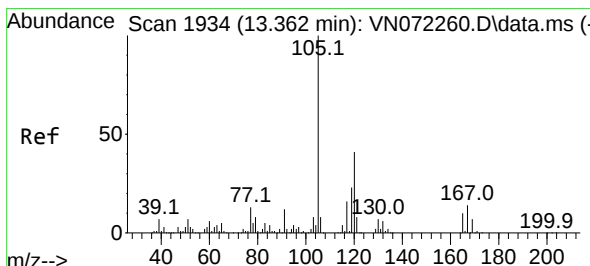
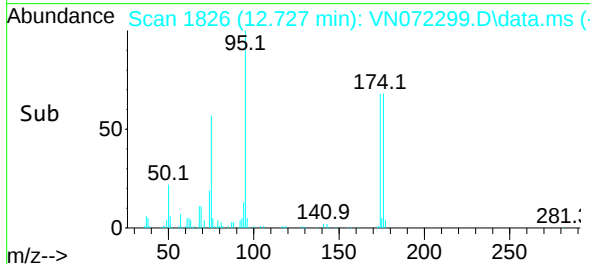
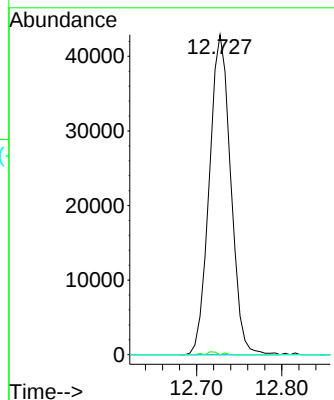
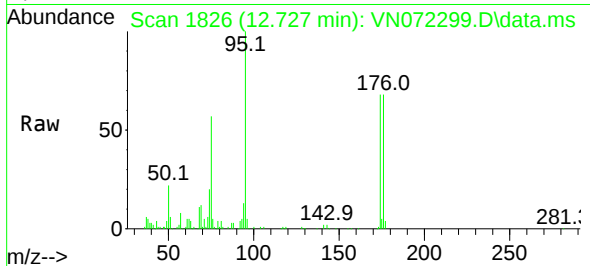




#81
trans-1,4-Dichloro-2-butene
Concen: 81.944 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

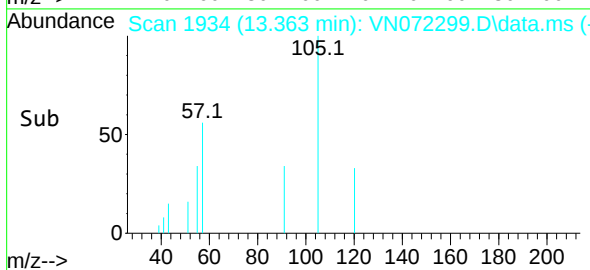
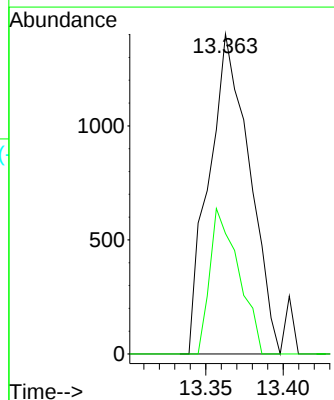
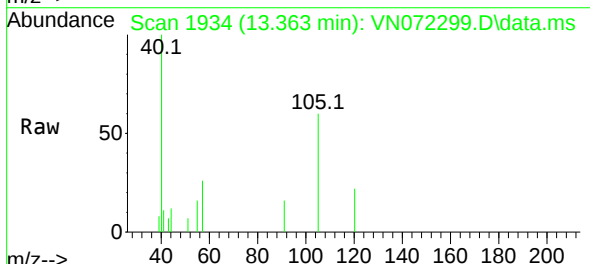
Instrument :
MSVOA_N
ClientSampleId :

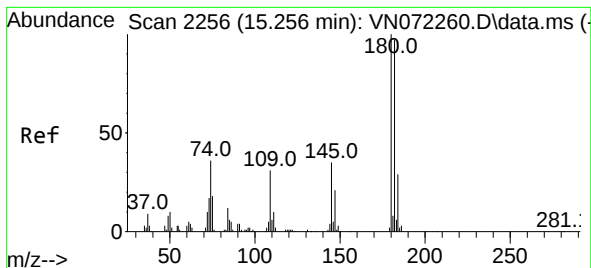
Tgt Ion: 75 Resp: 74930
Ion Ratio Lower Upper
75 100
53 0.5 78.0 117.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.338 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN072299.D
Acq: 02 May 2022 17:11

Tgt Ion: 105 Resp: 2545
Ion Ratio Lower Upper
105 100
120 32.3 23.3 69.8





#93

1,2,4-Trichlorobenzene

Concen: 2.456 ug/l

RT: 15.257 min Scan# 21

Delta R.T. -0.000 min

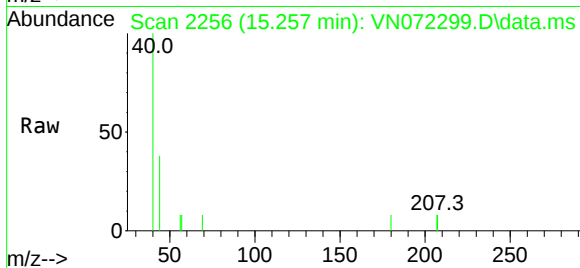
Lab File: VN072299.D

Acq: 02 May 2022 17:11

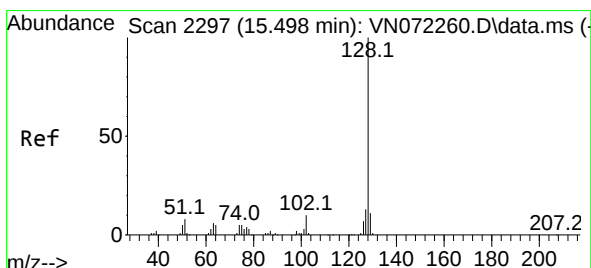
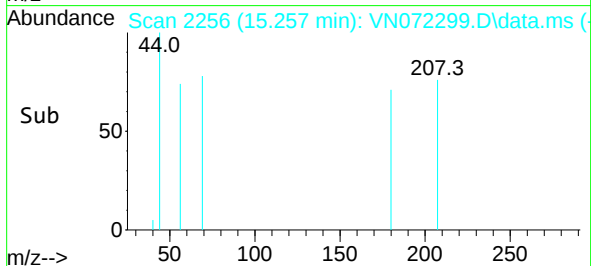
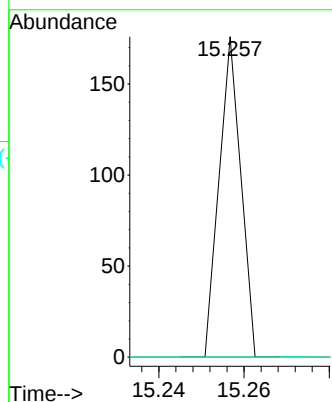
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180	Resp:	62
Ion Ratio	Lower	Upper
180	100	
182	0.0	47.5 142.5#
145	0.0	14.5 43.5#



#95

Naphthalene

Concen: 4.698 ug/l

RT: 15.504 min Scan# 2298

Delta R.T. 0.006 min

Lab File: VN072299.D

Acq: 02 May 2022 17:11

Tgt Ion:128	Resp:	2386
Ion Ratio	Lower	Upper
128	100	
127	5.5	10.3 15.5#
129	7.0	8.6 13.0#

