

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090122\
 Data File : VN074277.D
 Acq On : 02 Sep 2022 06:09
 Operator : JC\MD
 Sample : N4354-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 02 08:40:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

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

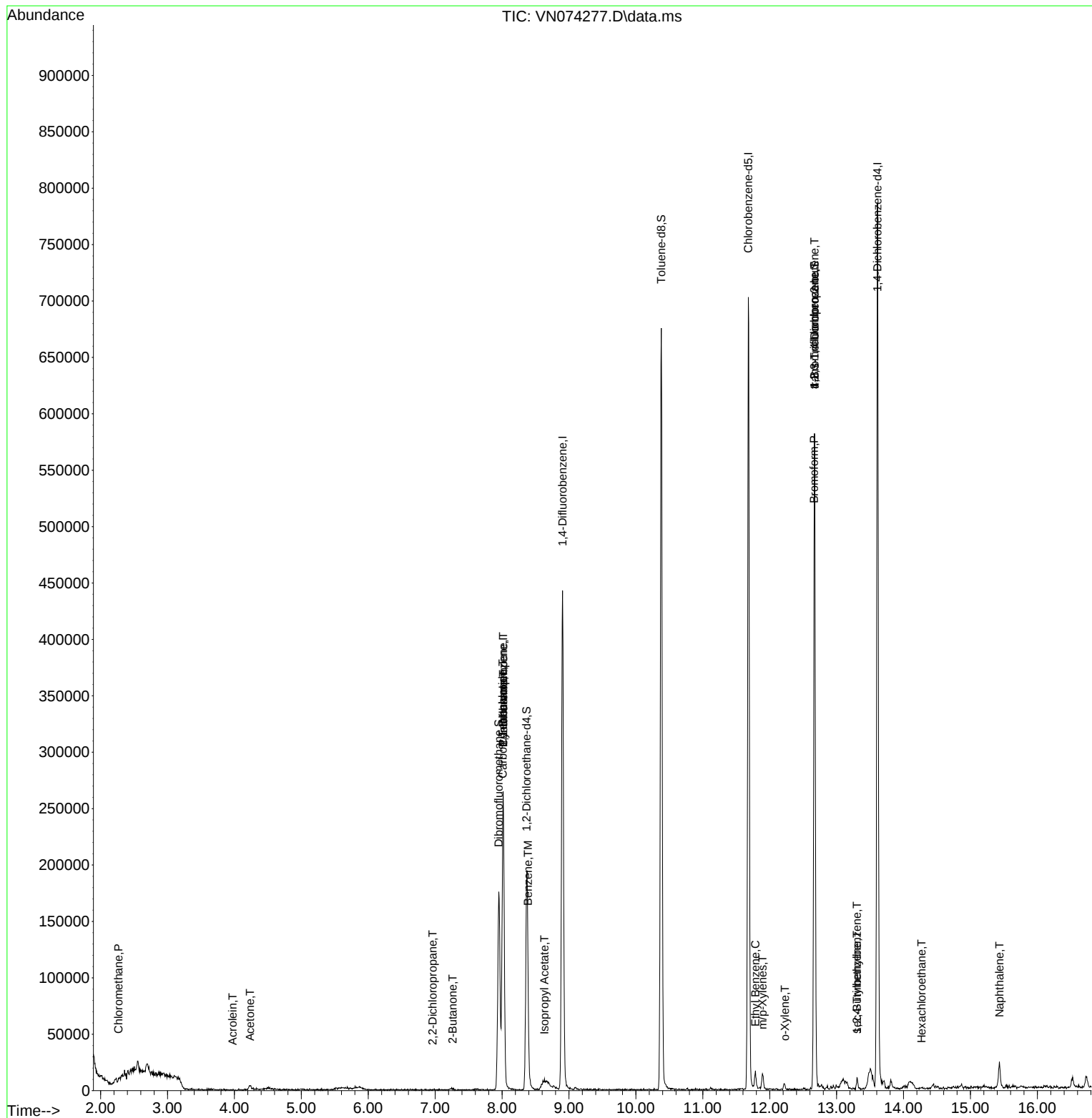
Internal Standards						
1) Pentafluorobenzene	8.016	168	190891	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	374733	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	364650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	188071	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	150003	50.656	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.320%	
35) Dibromofluoromethane	7.951	113	124491	51.053	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.100%	
50) Toluene-d8	10.380	98	448735	46.729	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 93.460%	
62) 4-Bromofluorobenzene	12.669	95	174845	59.872	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 119.740%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	670	0.241	ug/l #	43
6) Chloroethane	2.875	64	756	Below Cal	#	42
11) Tert butyl alcohol	5.287	59	315	Below Cal	#	72
13) Acrolein	3.975	56	149	0.228	ug/l #	16
16) Acetone	4.234	43	7362	3.721	ug/l	95
18) Methyl Acetate	4.793	43	556	Below Cal	#	48
20) Methylene Chloride	5.010	84	133	Below Cal	#	11
25) 2-Butanone	7.263	43	936	0.296	ug/l #	45
26) 2,2-Dichloropropane	6.963	77	56	0.285	ug/l #	53
28) Bromochloromethane	7.604	49	136	Below Cal	#	8
31) Cyclohexane	8.016	56	6637	1.357	ug/l #	72
36) 1,1-Dichloropropene	8.016	75	17419	4.403	ug/l #	48
38) Carbon Tetrachloride	8.010	117	21555	5.999	ug/l #	16
40) Benzene	8.386	78	8897	0.716	ug/l	99
43) Isopropyl Acetate	8.633	43	8501	0.956	ug/l #	53
67) Ethyl Benzene	11.786	91	8378	0.569	ug/l #	77
68) m/p-Xylenes	11.892	106	3926	0.718	ug/l	91
69) o-Xylene	12.227	106	1576	0.289	ug/l	83
71) Bromoform	12.663	173	1065	0.431	ug/l #	1
76) 1,2,3-Trichloropropane	12.669	75	103497	21.892	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	103497	57.121	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.304	105	5041	0.399	ug/l	83
85) sec-Butylbenzene	13.304	105	5041	0.321	ug/l #	56
90) Hexachloroethane	14.268	117	812	0.322	ug/l #	9
95) Naphthalene	15.433	128	19262	2.470	ug/l #	95

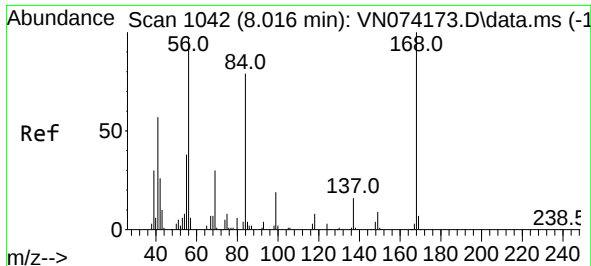
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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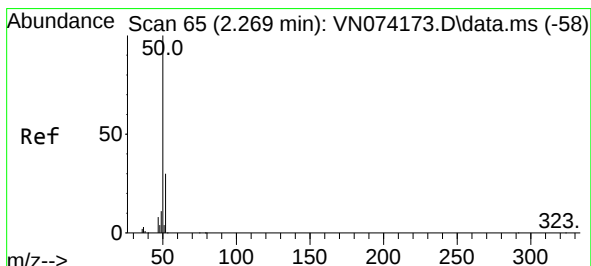
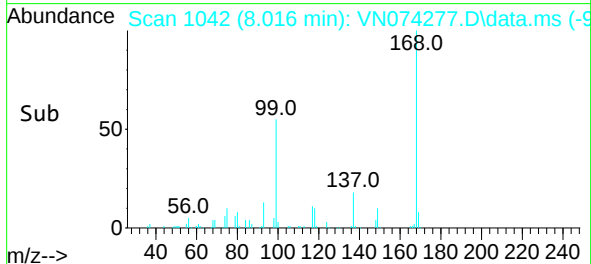
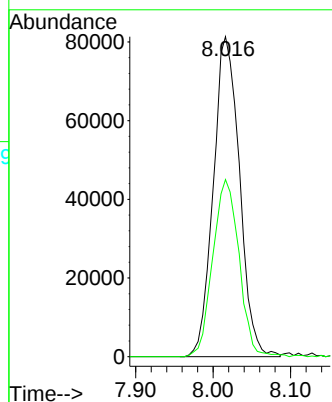
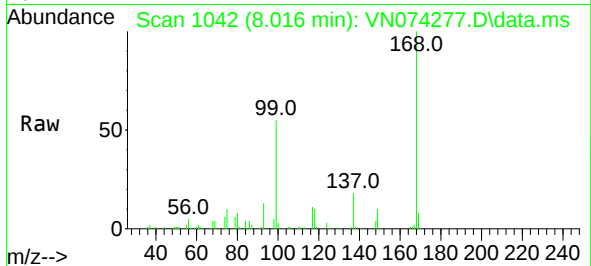




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074277.D
Acq: 02 Sep 2022 06:09

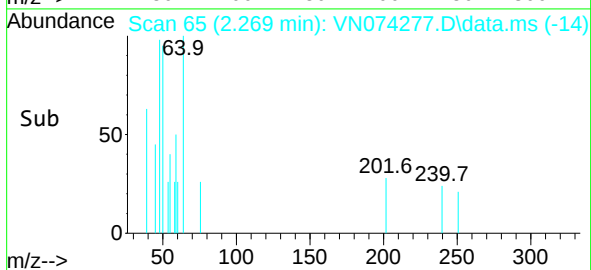
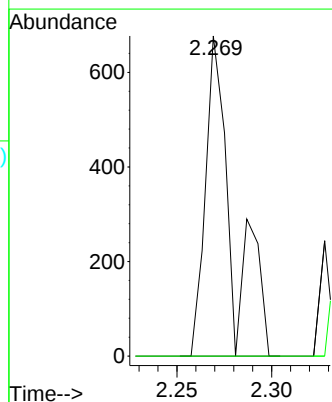
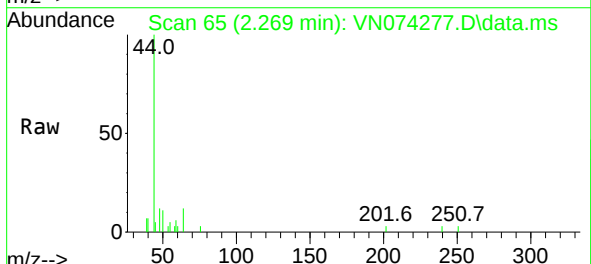
Instrument :
MSVOA_N
ClientSampleId :

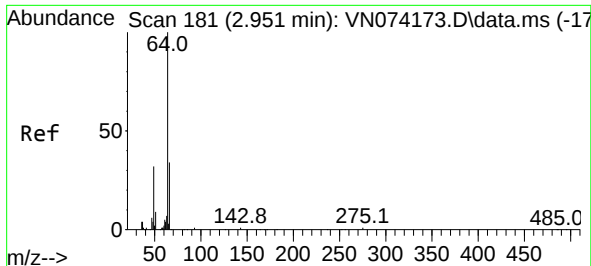
Tgt Ion:168 Resp: 190891
Ion Ratio Lower Upper
168 100
99 55.4 42.3 63.5



#3
Chloromethane
Concen: 0.241 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074277.D
Acq: 02 Sep 2022 06:09

Tgt Ion: 50 Resp: 670
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

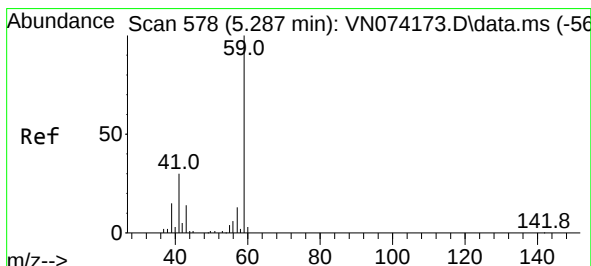
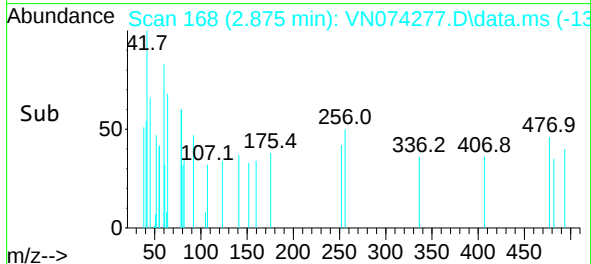
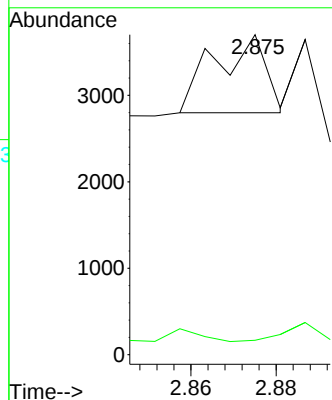
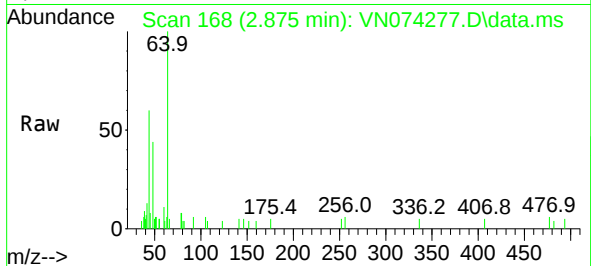




#6
Chloroethane
Concen: Below Cal
RT: 2.875 min Scan# 11
Delta R.T. -0.076 min
Lab File: VN074277.D
Acq: 02 Sep 2022 06:09

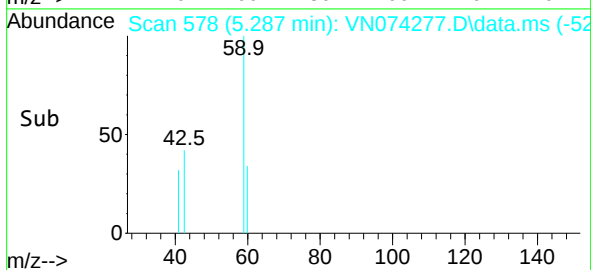
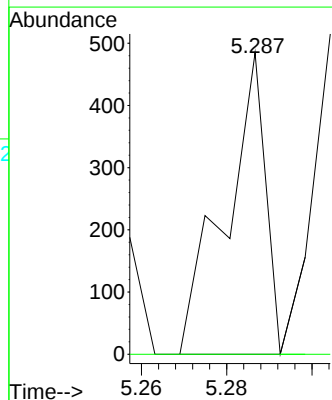
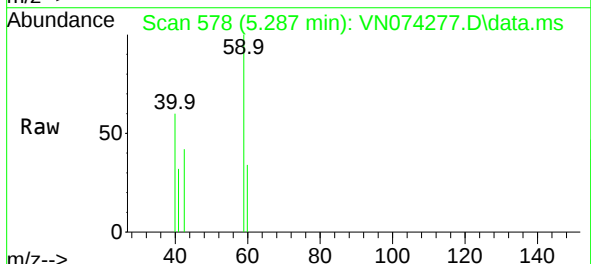
Instrument :
MSVOA_N
ClientSampleId :

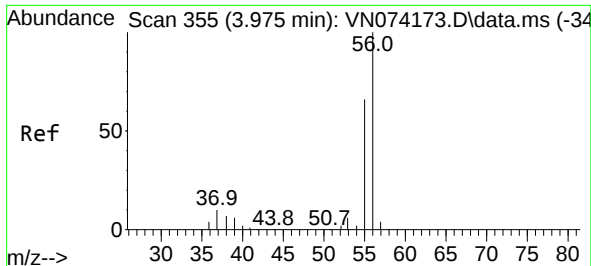
Tgt Ion: 64 Resp: 756
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.287 min Scan# 578
Delta R.T. -0.000 min
Lab File: VN074277.D
Acq: 02 Sep 2022 06:09

Tgt Ion: 59 Resp: 315
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

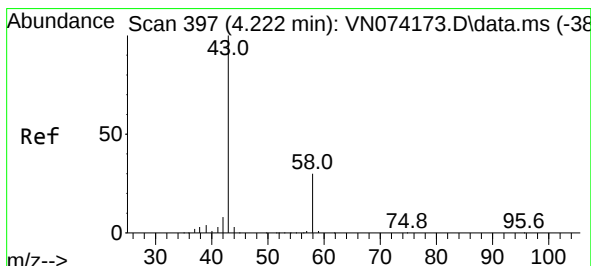
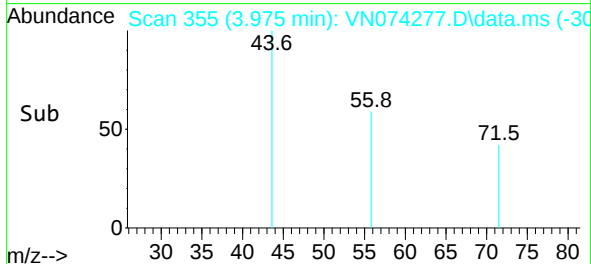
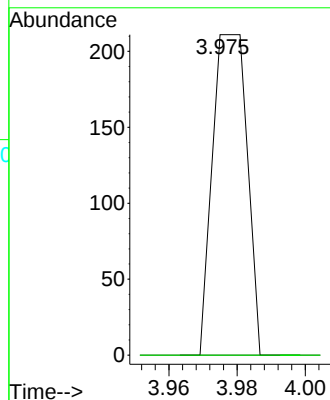
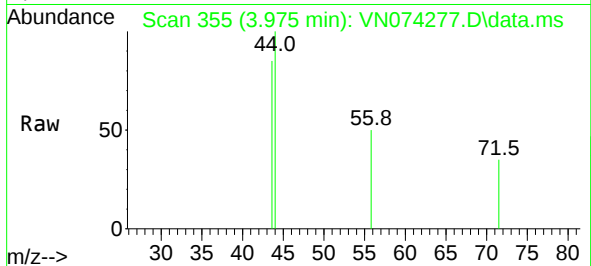




#13
Acrolein
Concen: 0.228 ug/l
RT: 3.975 min Scan# 313
Delta R.T. 0.000 min
Lab File: VN074277.D
Acq: 02 Sep 2022 06:09

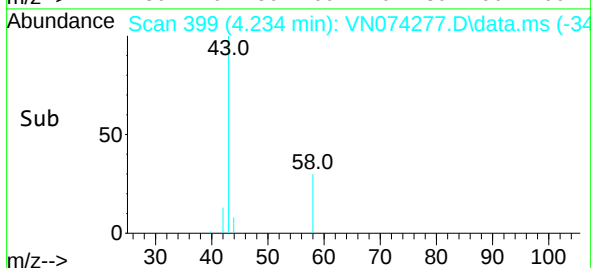
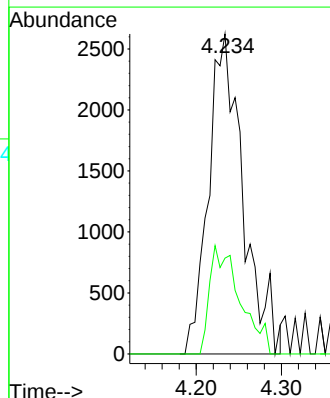
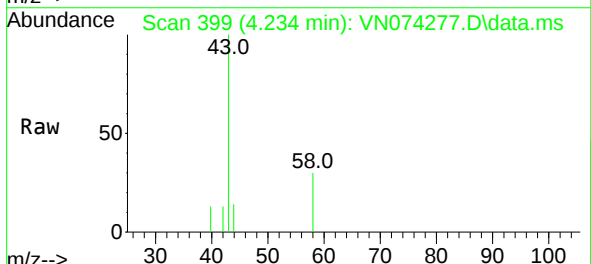
Instrument :
MSVOA_N
ClientSampleId :

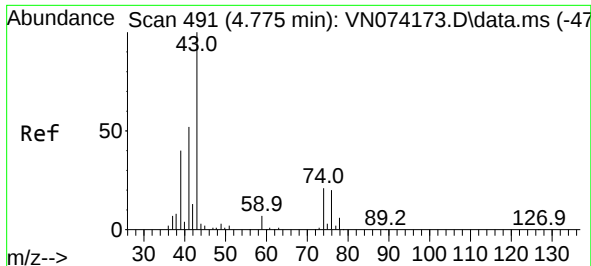
Tgt Ion: 56 Resp: 149
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#



#16
Acetone
Concen: 3.721 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN074277.D
Acq: 02 Sep 2022 06:09

Tgt Ion: 43 Resp: 7362
Ion Ratio Lower Upper
43 100
58 29.9 26.0 39.0

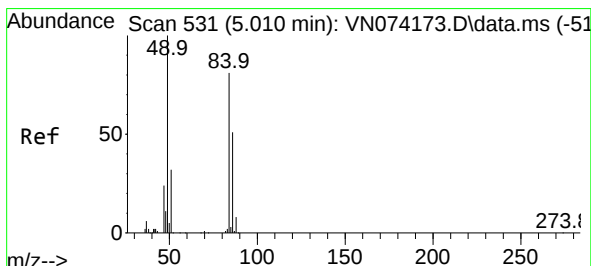
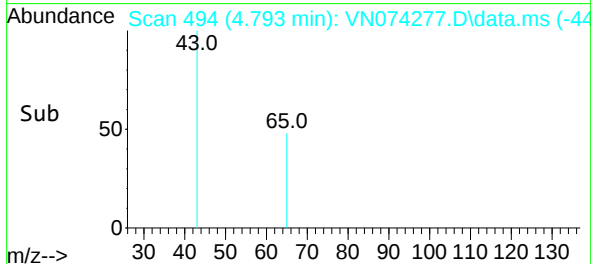
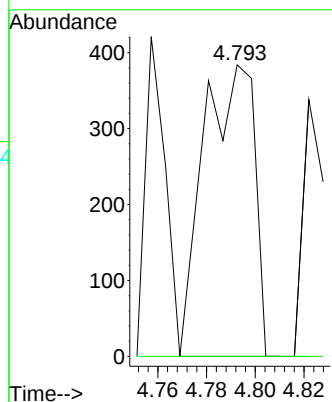
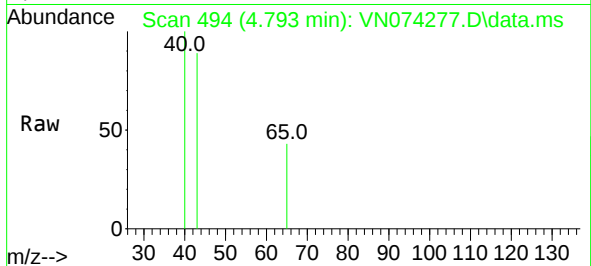




#18
Methyl Acetate
Concen: Below Cal
RT: 4.793 min Scan# 491
Delta R.T. 0.018 min
Lab File: VN074277.D
Acq: 02 Sep 2022 06:09

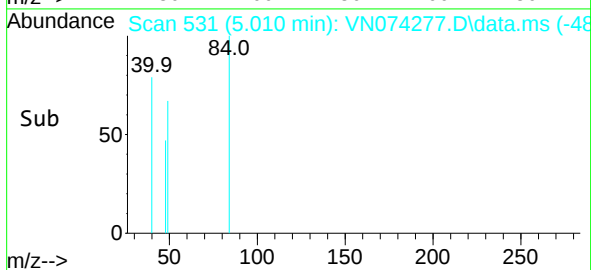
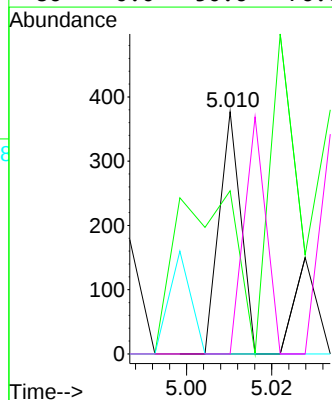
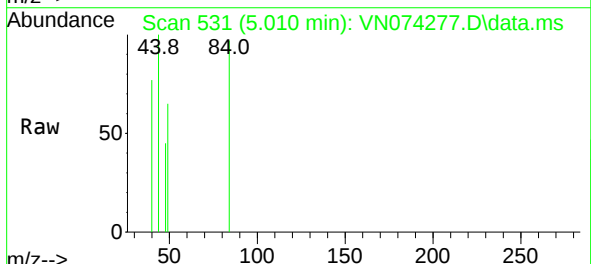
Instrument :
MSVOA_N
ClientSampleId :

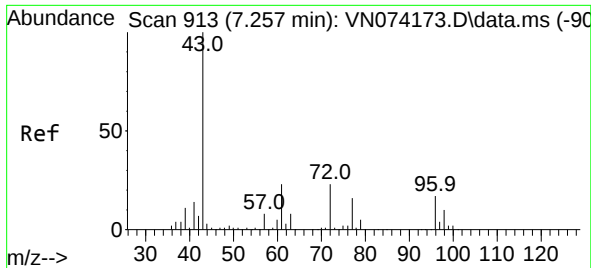
Tgt Ion: 43 Resp: 556
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.010 min Scan# 531
Delta R.T. 0.000 min
Lab File: VN074277.D
Acq: 02 Sep 2022 06:09

Tgt Ion: 84 Resp: 133
Ion Ratio Lower Upper
84 100
49 2.9 88.3 132.5#
51 0.0 28.2 42.2#
86 0.0 50.6 76.0#

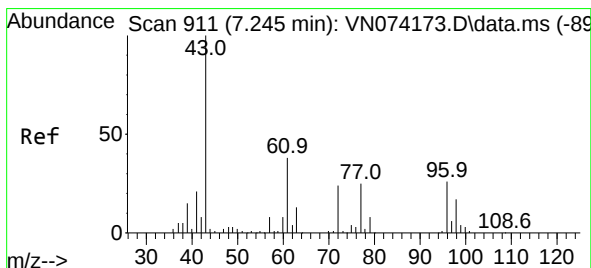
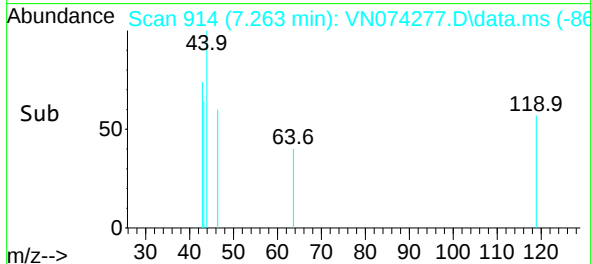
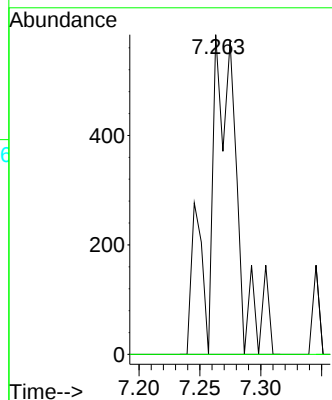
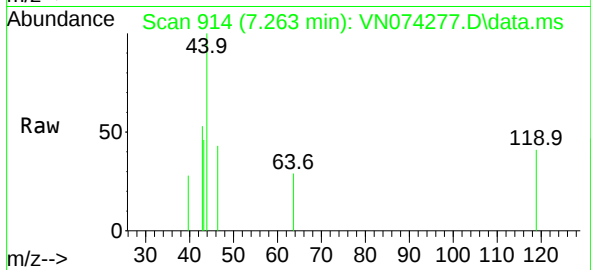




#25
2-Butanone
Concen: 0.296 ug/l
RT: 7.263 min Scan# 913
Delta R.T. 0.006 min
Lab File: VN074277.D
Acq: 02 Sep 2022 06:09

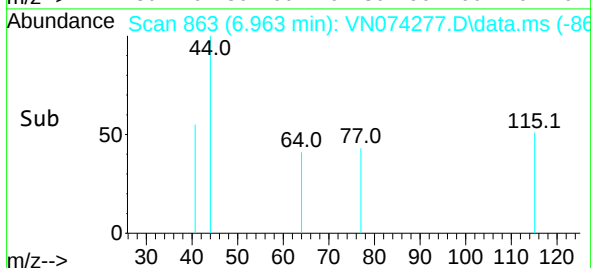
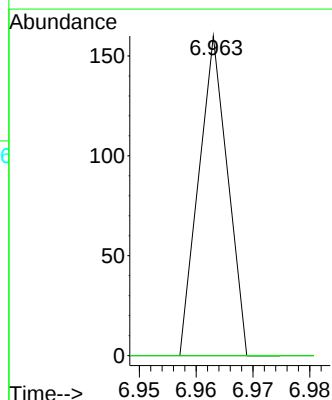
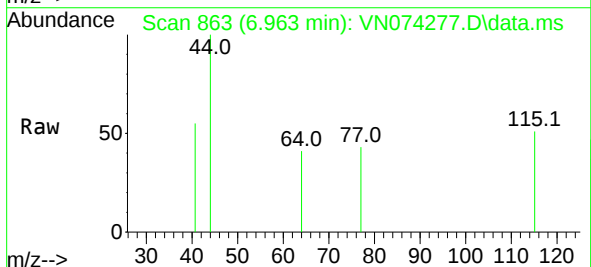
Instrument :
MSVOA_N
ClientSampleId :

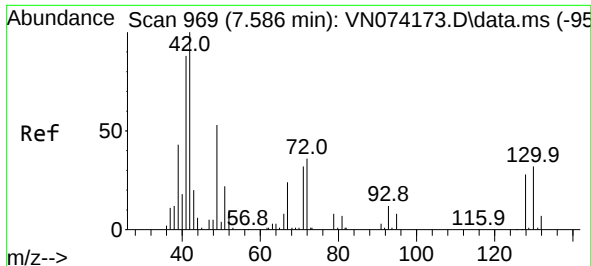
Tgt Ion: 43 Resp: 936
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#26
2,2-Dichloropropane
Concen: 0.285 ug/l
RT: 6.963 min Scan# 863
Delta R.T. -0.282 min
Lab File: VN074277.D
Acq: 02 Sep 2022 06:09

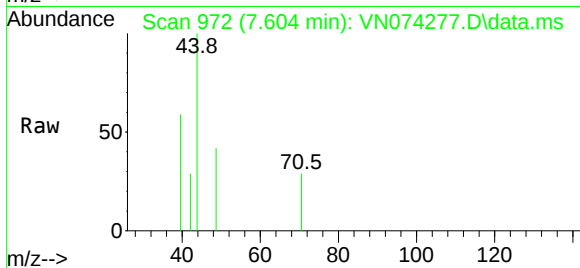
Tgt Ion: 77 Resp: 56
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



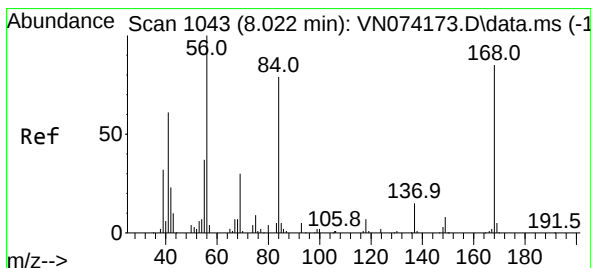
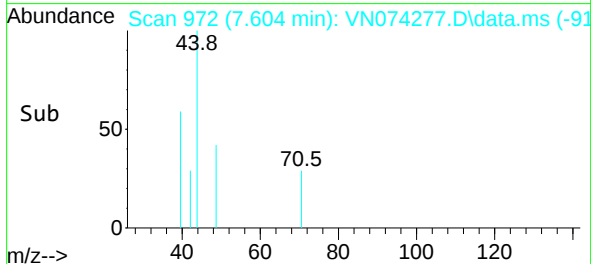
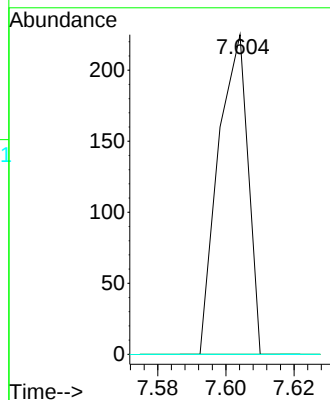


#28
Bromochloromethane
Concen: Below Cal
RT: 7.604 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN074277.D
Acq: 02 Sep 2022 06:09

Instrument :
MSVOA_N
ClientSampleId :

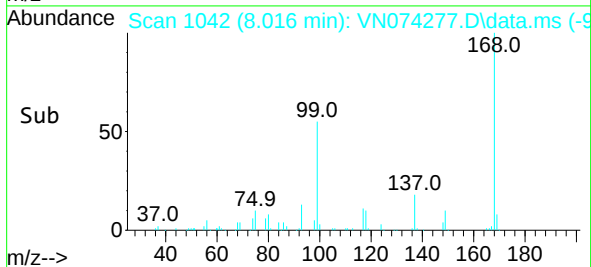
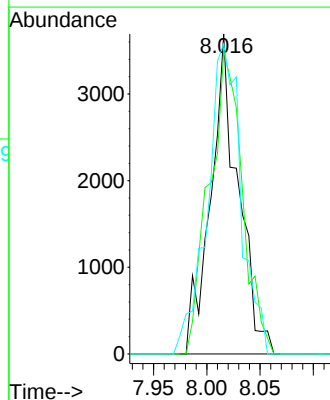
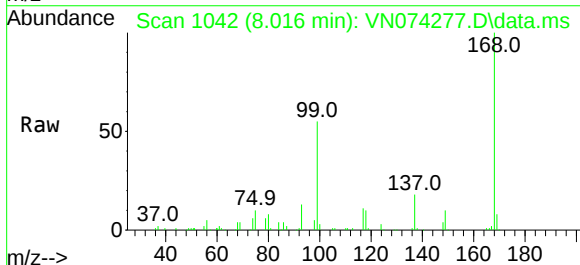


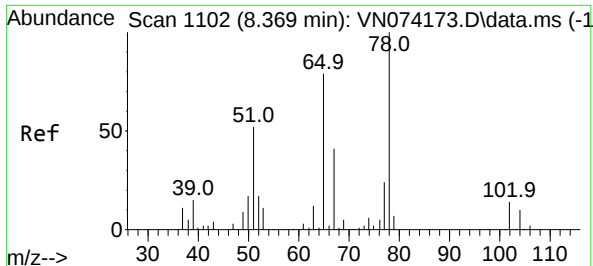
Tgt Ion: 49 Resp: 136
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 69.7 104.5#



#31
Cyclohexane
Concen: 1.357 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074277.D
Acq: 02 Sep 2022 06:09

Tgt Ion: 56 Resp: 6637
Ion Ratio Lower Upper
56 100
69 94.6 27.8 41.8#
84 96.9 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 50.656 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN074277.D

Acq: 02 Sep 2022 06:09

Instrument :

MSVOA_N

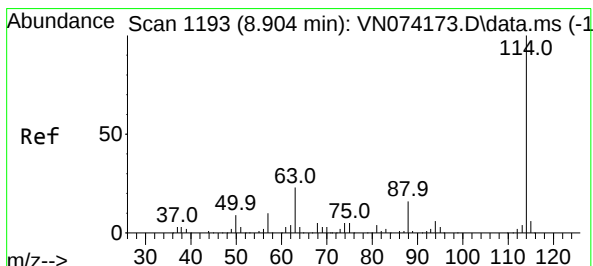
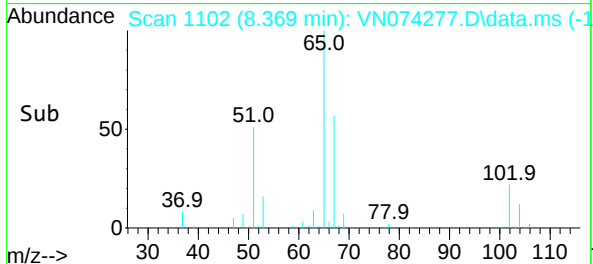
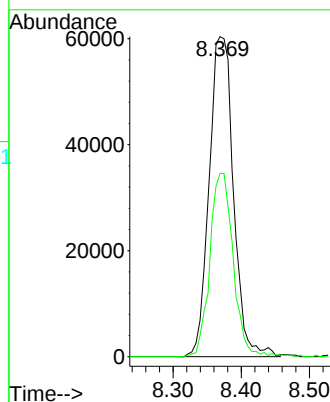
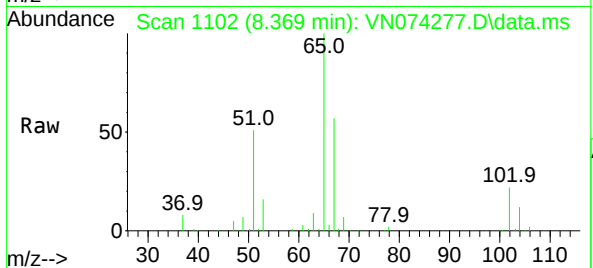
ClientSampleId :

Tgt Ion: 65 Resp: 150003

Ion Ratio Lower Upper

65 100

67 54.9 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074277.D

Acq: 02 Sep 2022 06:09

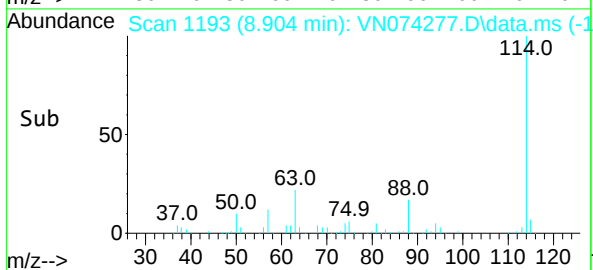
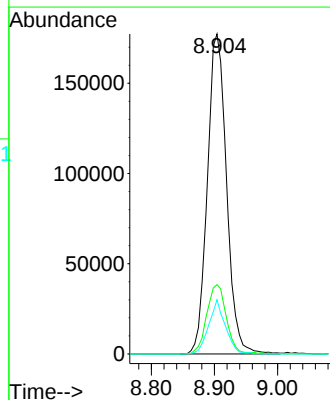
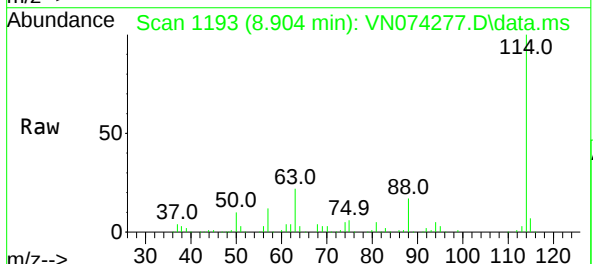
Tgt Ion: 114 Resp: 374733

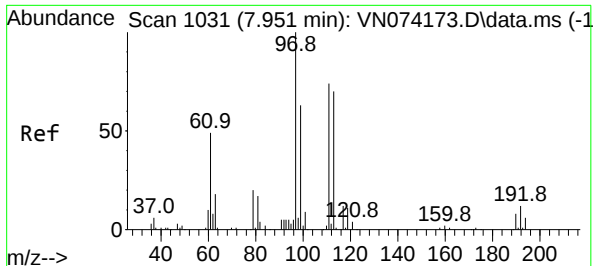
Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.0

88 17.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.053 ug/l

RT: 7.951 min Scan# 1

Delta R.T. 0.000 min

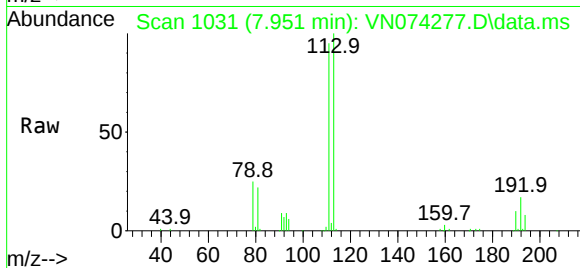
Lab File: VN074277.D

Acq: 02 Sep 2022 06:09

Instrument :

MSVOA_N

ClientSampleId :



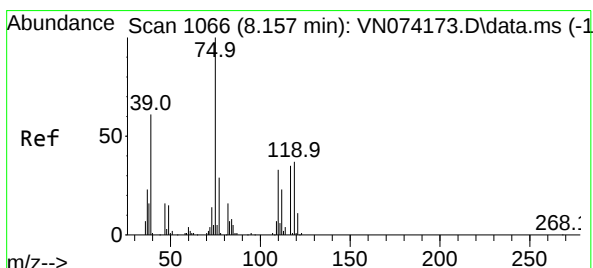
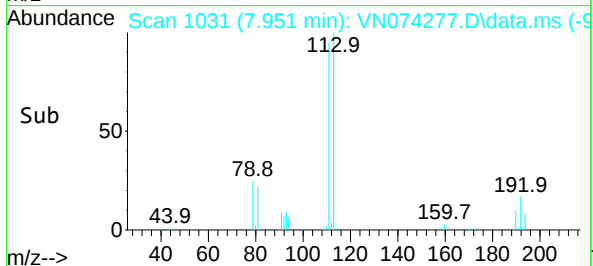
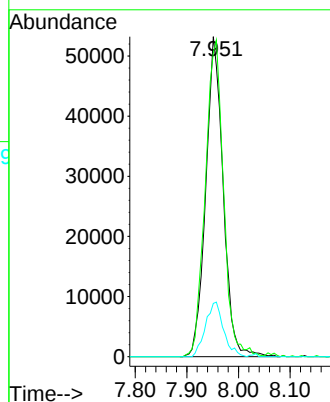
Tgt Ion:113 Resp: 124491

Ion Ratio Lower Upper

113 100

111 104.0 81.4 122.0

192 17.7 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.403 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.141 min

Lab File: VN074277.D

Acq: 02 Sep 2022 06:09

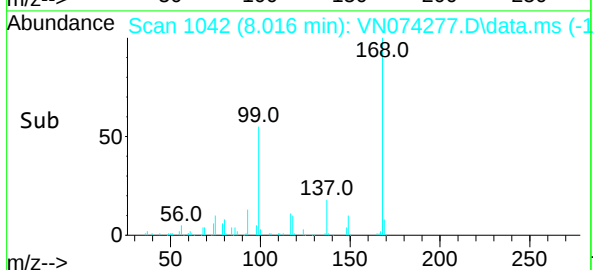
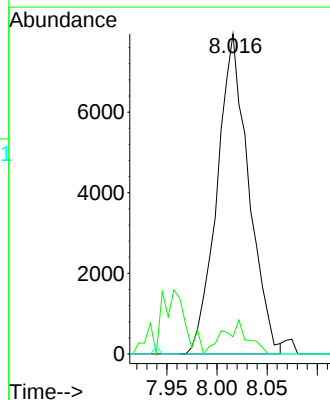
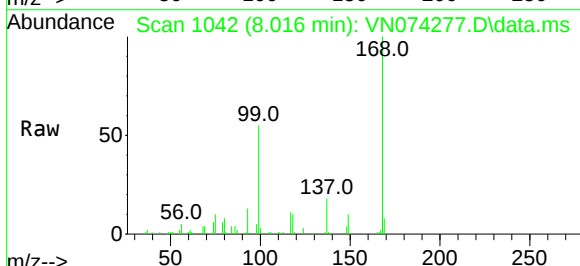
Tgt Ion: 75 Resp: 17419

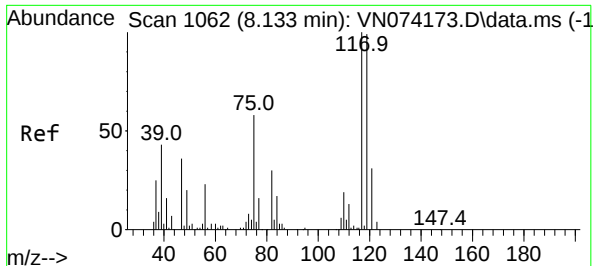
Ion Ratio Lower Upper

75 100

110 8.1 18.3 54.8#

77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.999 ug/l

RT: 8.010 min Scan# 1105

Delta R.T. -0.123 min

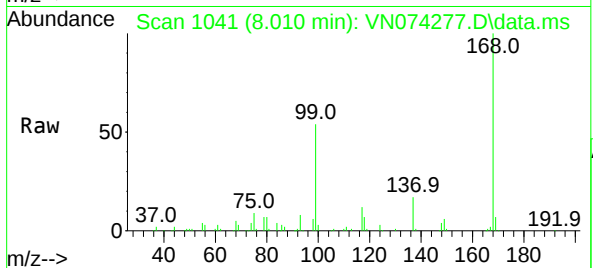
Lab File: VN074277.D

Acq: 02 Sep 2022 06:09

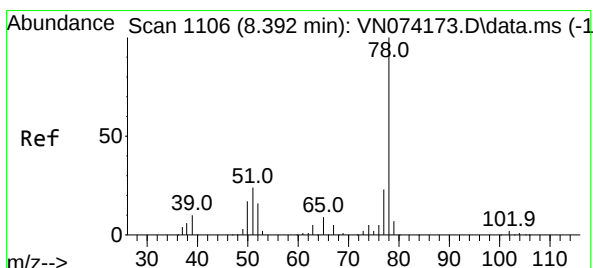
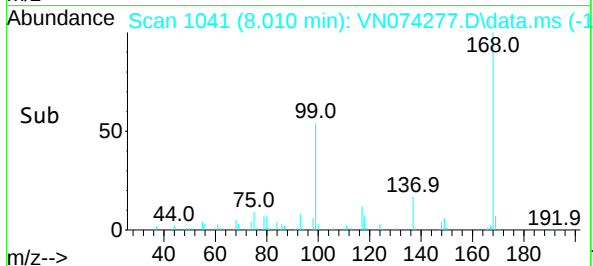
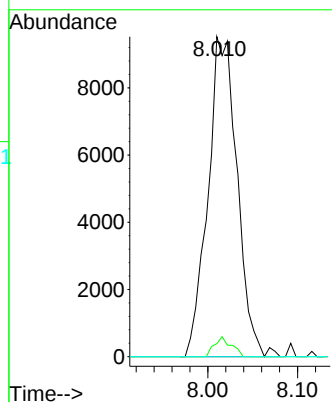
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	117	Resp:	21555
Ion Ratio	Lower	Upper	
117	100		
119	4.1	75.8	113.8#
121	0.0	24.6	37.0#



#40

Benzene

Concen: 0.716 ug/l

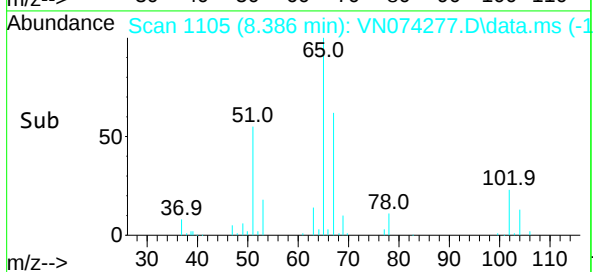
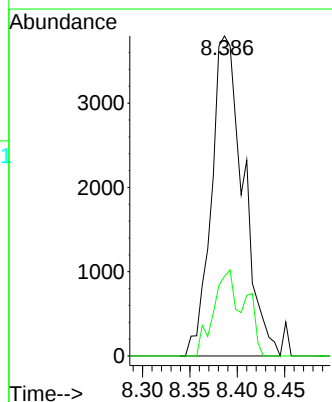
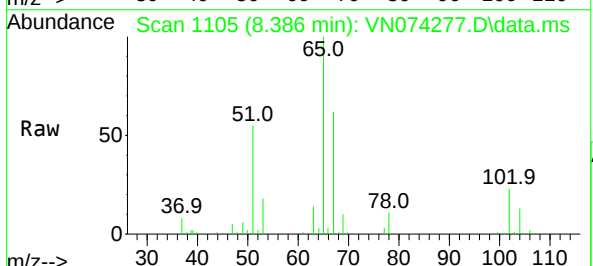
RT: 8.386 min Scan# 1105

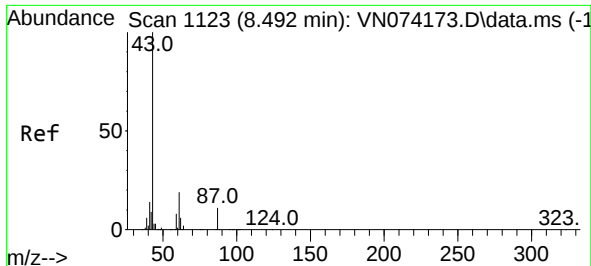
Delta R.T. -0.006 min

Lab File: VN074277.D

Acq: 02 Sep 2022 06:09

Tgt Ion:	78	Resp:	8897
Ion Ratio	Lower	Upper	
78	100		
77	24.9	19.4	29.0





#43

Isopropyl Acetate

Concen: 0.956 ug/l

RT: 8.633 min Scan# 1123

Delta R.T. 0.141 min

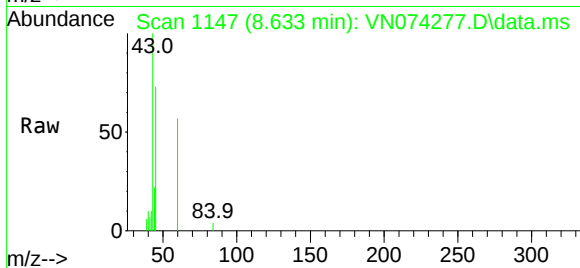
Lab File: VN074277.D

Acq: 02 Sep 2022 06:09

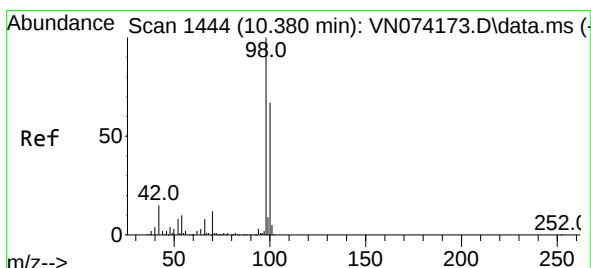
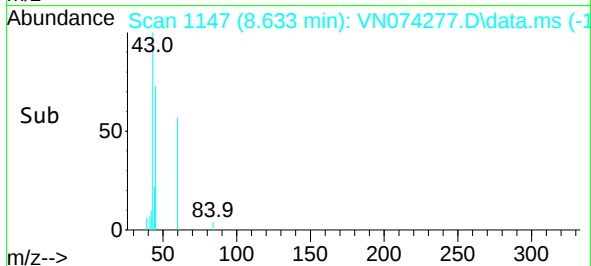
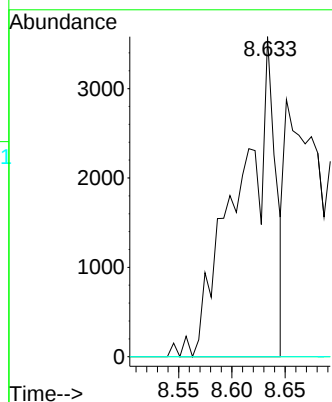
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 8501
Ion Ratio	Lower Upper
43	100
61	0.0 21.9 32.9#
87	0.0 12.0 18.0#



#50

Toluene-d8

Concen: 46.729 ug/l

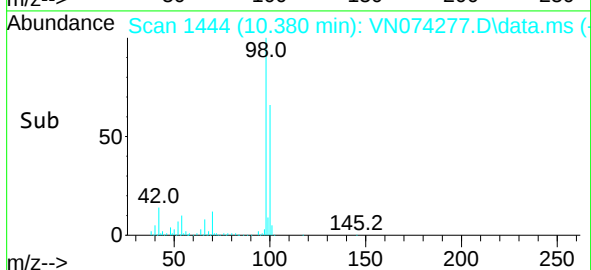
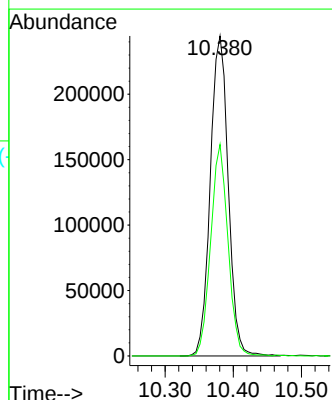
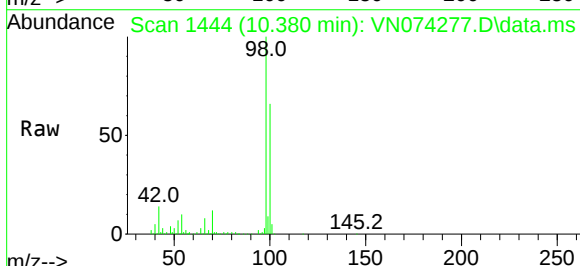
RT: 10.380 min Scan# 1444

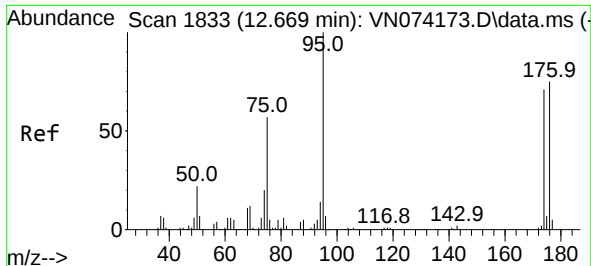
Delta R.T. 0.000 min

Lab File: VN074277.D

Acq: 02 Sep 2022 06:09

Tgt Ion: 98	Resp: 448735
Ion Ratio	Lower Upper
98	100
100	63.7 52.6 78.8

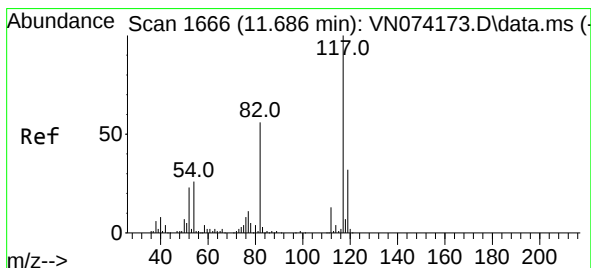
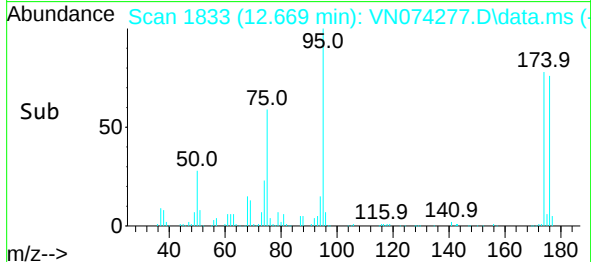
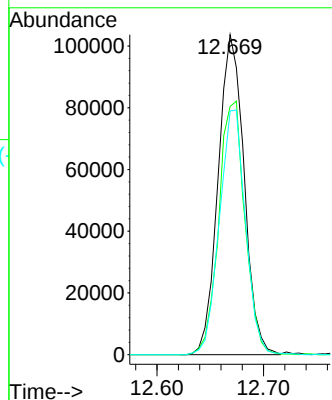
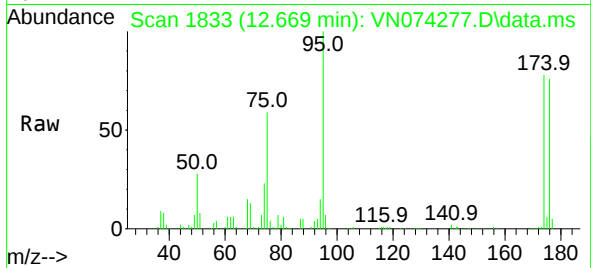




#62
4-Bromofluorobenzene
Concen: 59.872 ug/l
RT: 12.669 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074277.D
Acq: 02 Sep 2022 06:09

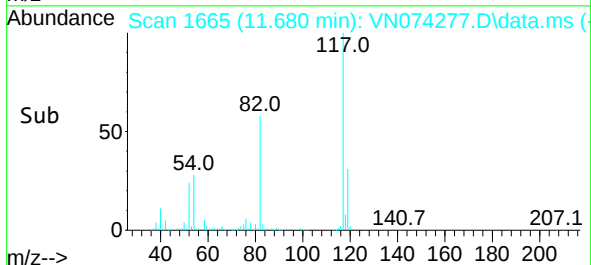
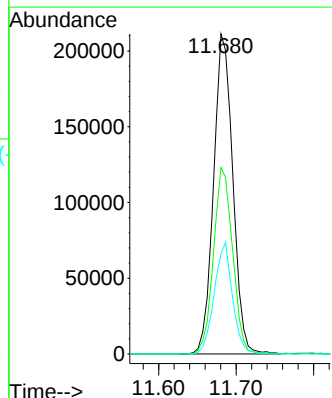
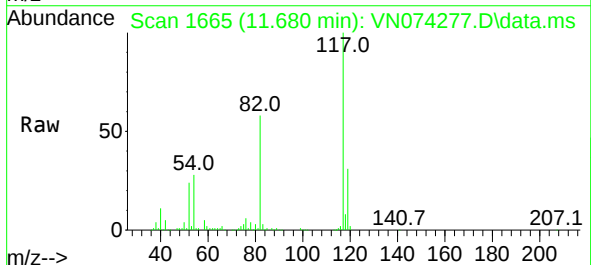
Instrument :
MSVOA_N
ClientSampleId :

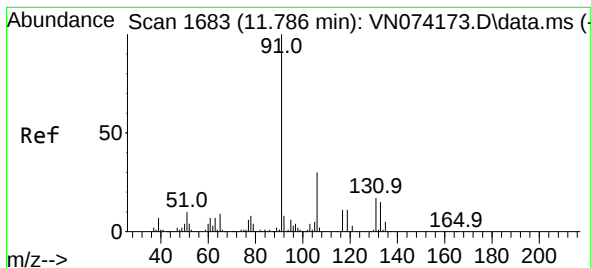
Tgt Ion: 95 Resp: 174845
Ion Ratio Lower Upper
95 100
174 80.0 0.0 167.6
176 77.2 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. -0.006 min
Lab File: VN074277.D
Acq: 02 Sep 2022 06:09

Tgt Ion: 117 Resp: 364650
Ion Ratio Lower Upper
117 100
82 58.3 44.2 66.2
119 31.2 25.4 38.0





#67

Ethyl Benzene

Concen: 0.569 ug/l

RT: 11.786 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074277.D

Acq: 02 Sep 2022 06:09

Instrument :

MSVOA_N

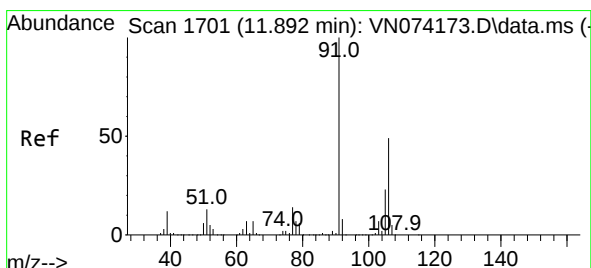
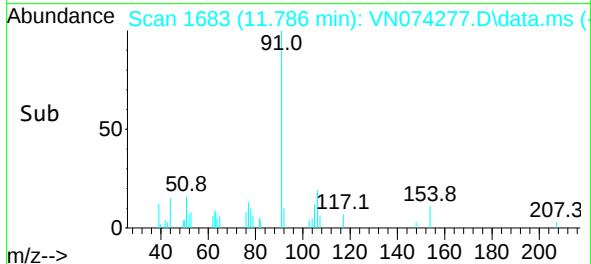
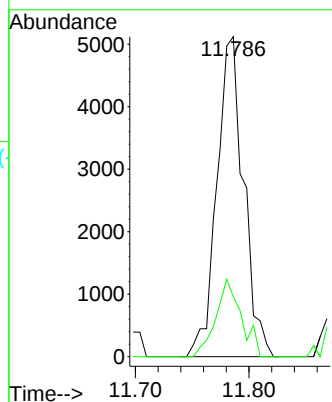
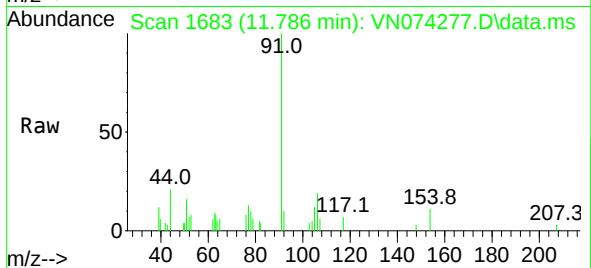
ClientSampleId :

Tgt Ion: 91 Resp: 8378

Ion Ratio Lower Upper

91 100

106 18.7 24.9 37.3#



#68

m/p-Xylenes

Concen: 0.718 ug/l

RT: 11.892 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN074277.D

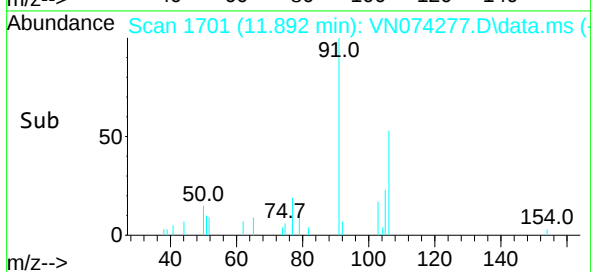
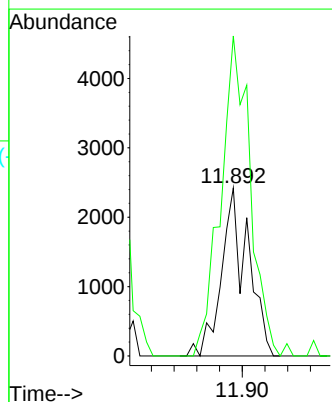
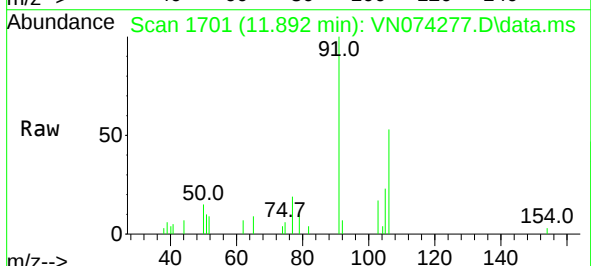
Acq: 02 Sep 2022 06:09

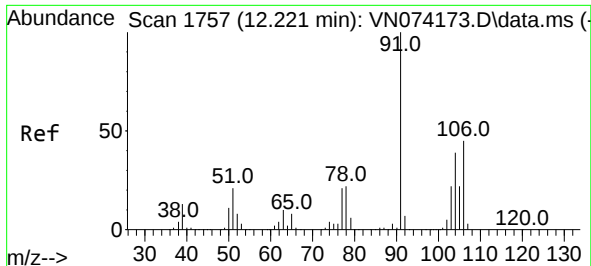
Tgt Ion: 106 Resp: 3926

Ion Ratio Lower Upper

106 100

91 211.9 158.9 238.3

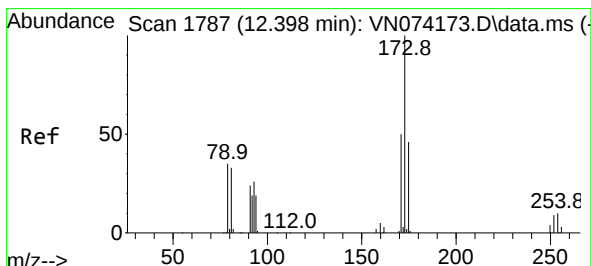
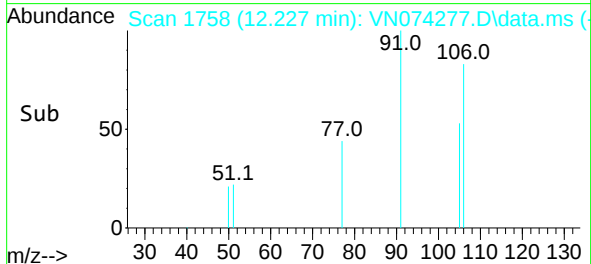
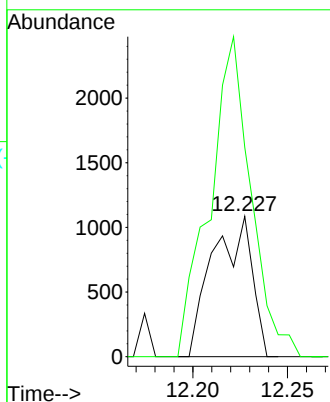
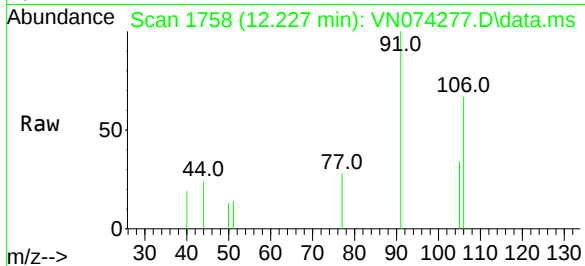




#69
o-Xylene
Concen: 0.289 ug/l
RT: 12.227 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074277.D
Acq: 02 Sep 2022 06:09

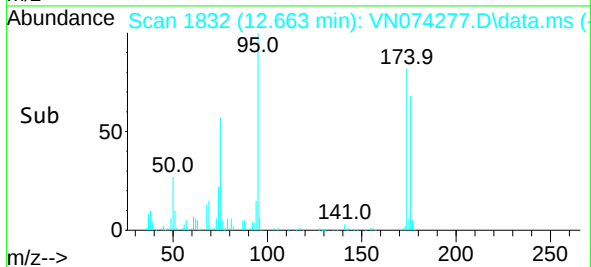
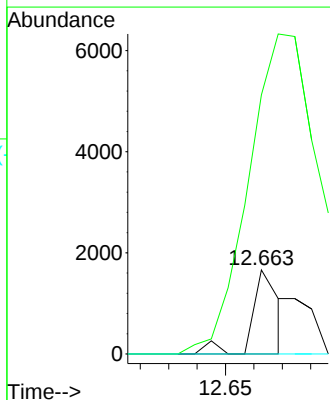
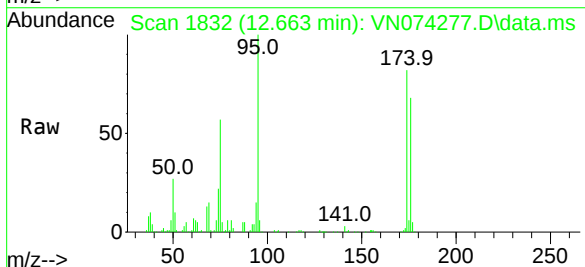
Instrument :
MSVOA_N
ClientSampleId :

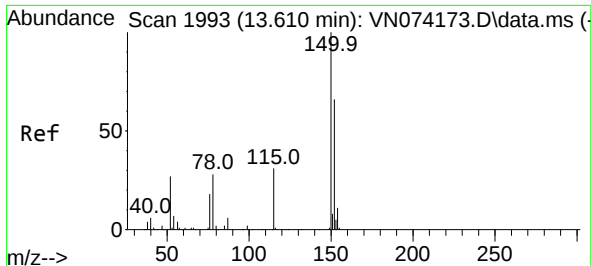
Tgt Ion:106 Resp: 1576
Ion Ratio Lower Upper
106 100
91 238.0 106.0 318.0



#71
Bromoform
Concen: 0.431 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. 0.265 min
Lab File: VN074277.D
Acq: 02 Sep 2022 06:09

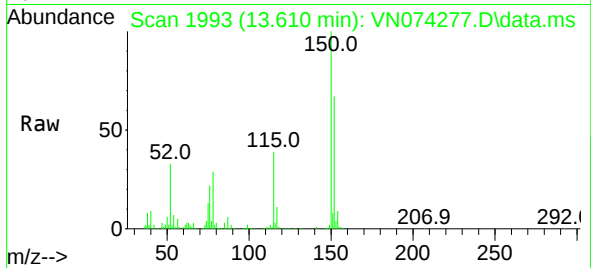
Tgt Ion:173 Resp: 1065
Ion Ratio Lower Upper
173 100
175 744.5 24.6 73.6#
254 0.0 0.1 0.1#



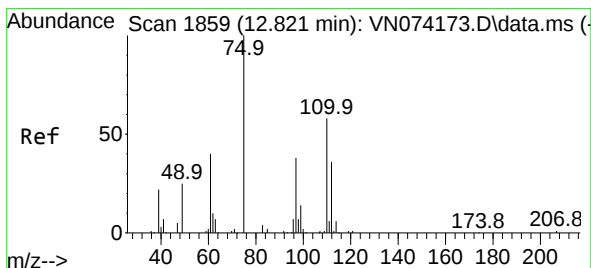
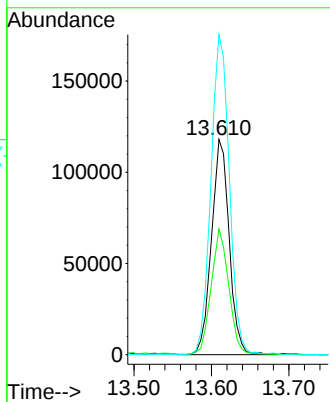
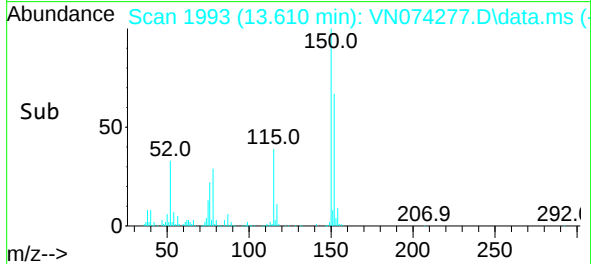


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. -0.000 min
 Lab File: VN074277.D
 Acq: 02 Sep 2022 06:09

Instrument :
 MSVOA_N
 ClientSampleId :

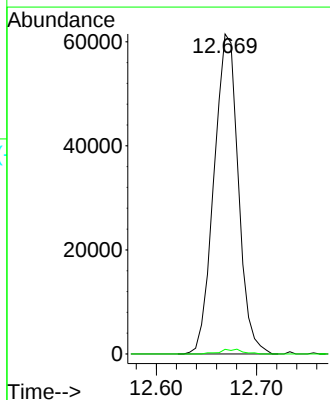
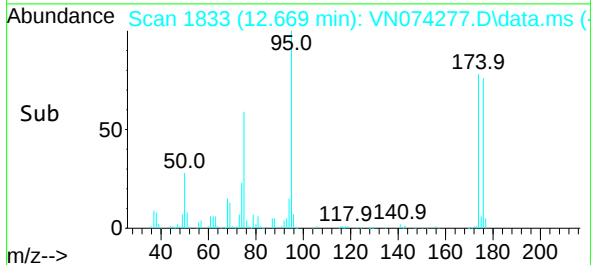
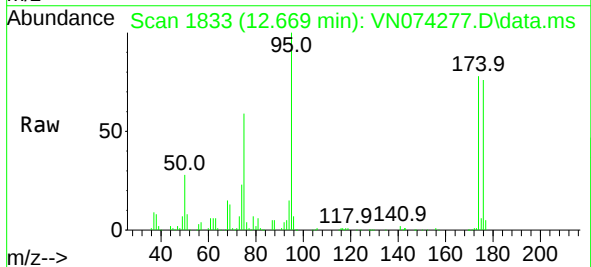


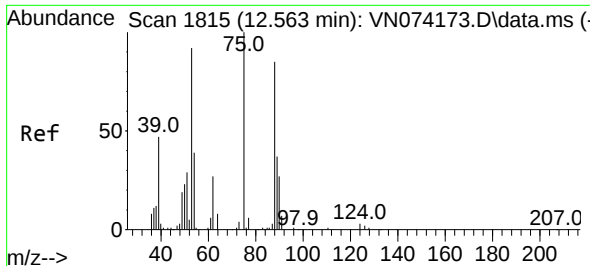
Tgt Ion:152 Resp: 188071
 Ion Ratio Lower Upper
 152 100
 115 58.3 28.9 86.7
 150 153.8 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 21.892 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.152 min
 Lab File: VN074277.D
 Acq: 02 Sep 2022 06:09

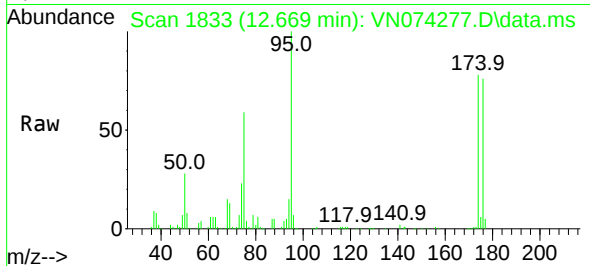
Tgt Ion: 75 Resp: 103497
 Ion Ratio Lower Upper
 75 100
 77 1.4 98.5 295.5#



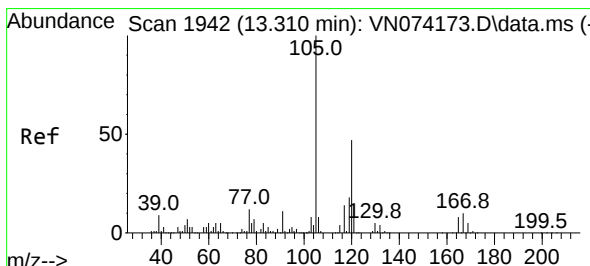
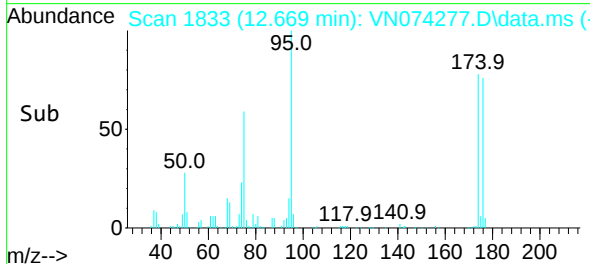
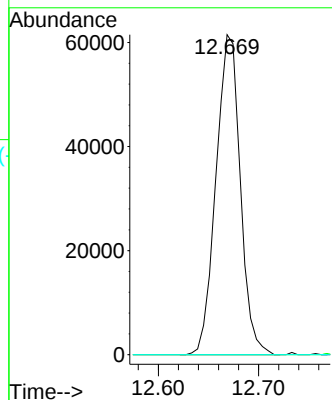


#81
trans-1,4-Dichloro-2-butene
Concen: 57.121 ug/l
RT: 12.669 min Scan# 1815
Delta R.T. 0.106 min
Lab File: VN074277.D
Acq: 02 Sep 2022 06:09

Instrument :
MSVOA_N
ClientSampleId :

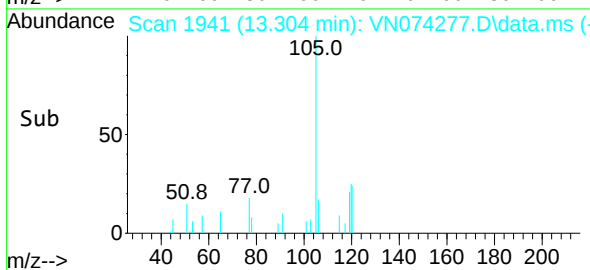
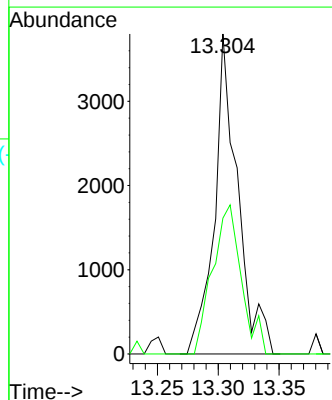
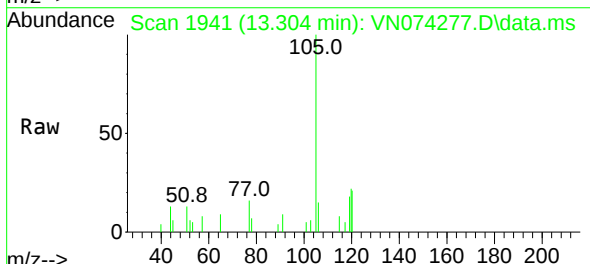


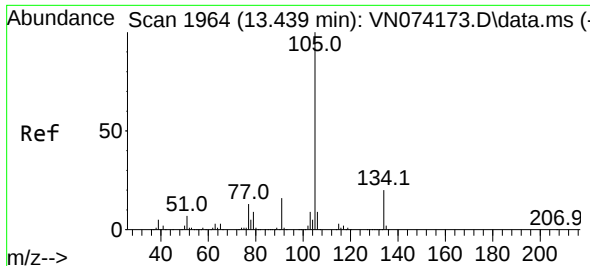
Tgt Ion: 75 Resp: 103497
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.399 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. -0.006 min
Lab File: VN074277.D
Acq: 02 Sep 2022 06:09

Tgt Ion: 105 Resp: 5041
Ion Ratio Lower Upper
105 100
120 57.8 23.3 69.8

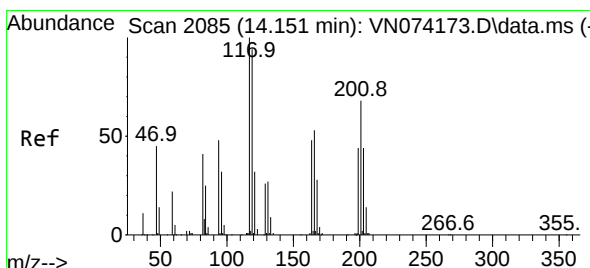
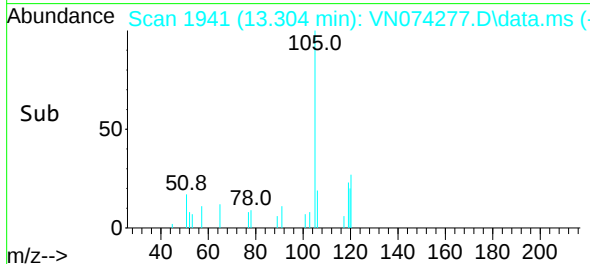
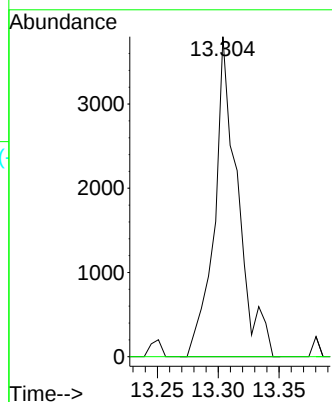
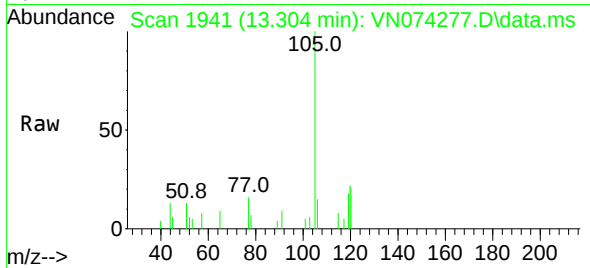




#85
 sec-Butylbenzene
 Concen: 0.321 ug/l
 RT: 13.304 min Scan# 1964
 Delta R.T. -0.135 min
 Lab File: VN074277.D
 Acq: 02 Sep 2022 06:09

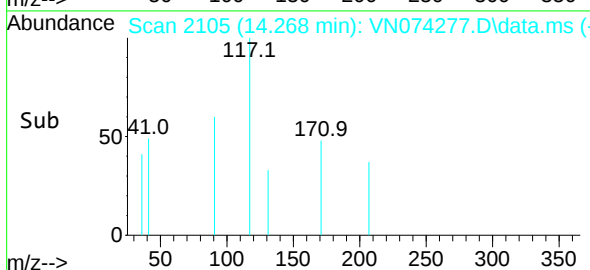
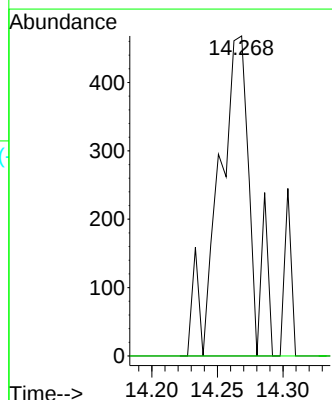
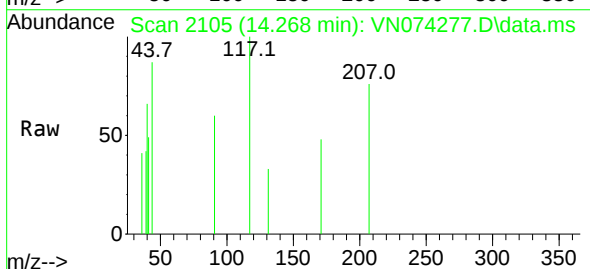
Instrument :
 MSVOA_N
 ClientSampleId :

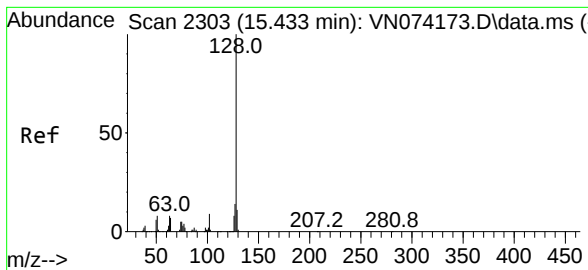
Tgt Ion:105 Resp: 5041
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#



#90
 Hexachloroethane
 Concen: 0.322 ug/l
 RT: 14.268 min Scan# 2105
 Delta R.T. 0.118 min
 Lab File: VN074277.D
 Acq: 02 Sep 2022 06:09

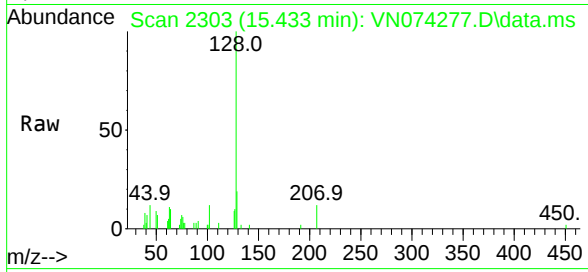
Tgt Ion:117 Resp: 812
 Ion Ratio Lower Upper
 117 100
 201 0.0 40.6 122.0#





#95
 Naphthalene
 Concen: 2.470 ug/l
 RT: 15.433 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN074277.D
 Acq: 02 Sep 2022 06:09

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	19262
Ion Ratio	Lower	Upper	
128	100		
127	14.1	10.3	15.5
129	13.9	8.6	13.0

