

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032323\
 Data File : VN077154.D
 Acq On : 23 Mar 2023 17:06
 Operator : JC\MD
 Sample : 02048-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 24 01:35:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

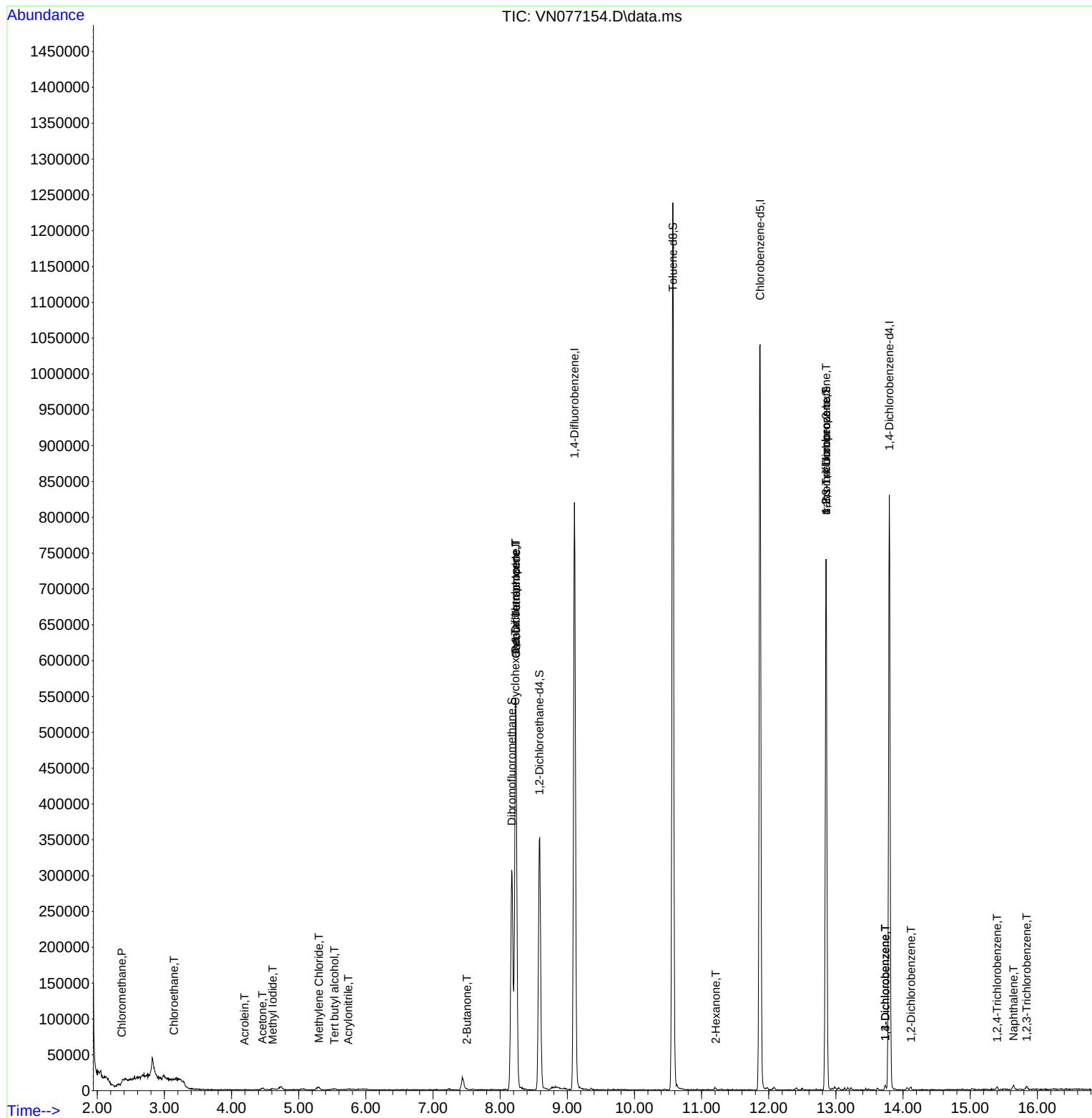
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.231	168	380913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	676298	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	571684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	212842	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	288524	47.420	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.840%
35) Dibromofluoromethane	8.172	113	218136	46.057	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.120%
50) Toluene-d8	10.572	98	813845	48.104	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.200%
62) 4-Bromofluorobenzene	12.854	95	236164	39.503	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	79.000%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.143	85	149	Below Cal	#	42
3) Chloromethane	2.366	50	1597	0.416	ug/l #	82
6) Chloroethane	3.143	64	1485	0.567	ug/l #	42
10) Methyl Iodide	4.613	142	1582	0.278	ug/l #	81
11) Tert butyl alcohol	5.531	59	756	0.853	ug/l #	72
13) Acrolein	4.196	56	362	0.330	ug/l #	14
15) Acrylonitrile	5.737	53	674	0.226	ug/l #	84
16) Acetone	4.460	43	3379	1.246	ug/l #	60
20) Methylene Chloride	5.301	84	1748	0.297	ug/l #	46
25) 2-Butanone	7.507	43	848	0.214	ug/l #	49
31) Cyclohexane	8.225	56	11135	1.119	ug/l #	33
36) 1,1-Dichloropropene	8.231	75	35475	4.796	ug/l #	52
38) Carbon Tetrachloride	8.236	117	43322	6.012	ug/l #	15
59) 2-Hexanone	11.213	43	1480	0.265	ug/l	63
76) 1,2,3-Trichloropropane	12.854	75	133828	24.308	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	133828	66.910	ug/l #	10
87) 1,3-Dichlorobenzene	13.736	146	1692	0.210	ug/l	96
88) 1,4-Dichlorobenzene	13.736	146	1692	0.211	ug/l	95
91) 1,2-Dichlorobenzene	14.118	146	1635	0.203	ug/l #	73
93) 1,2,4-Trichlorobenzene	15.401	180	1491	0.410	ug/l	82
95) Naphthalene	15.648	128	6367	2.345	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.842	180	1990	0.545	ug/l #	71

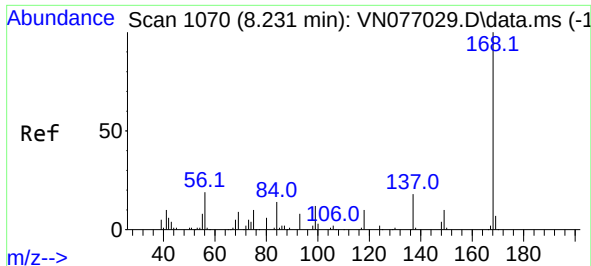
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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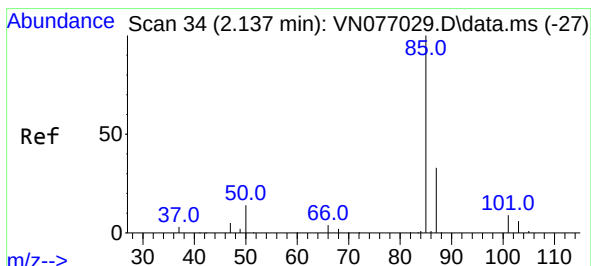
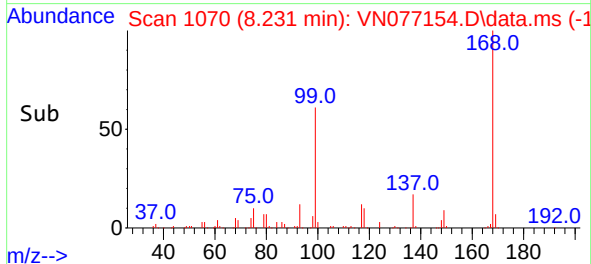
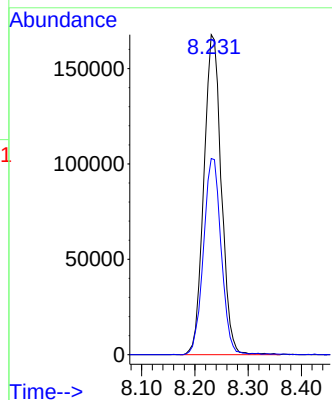
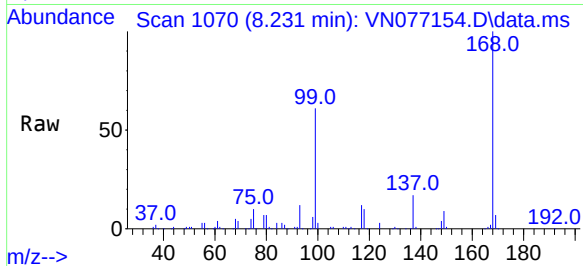




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077154.D
Acq: 23 Mar 2023 17:06

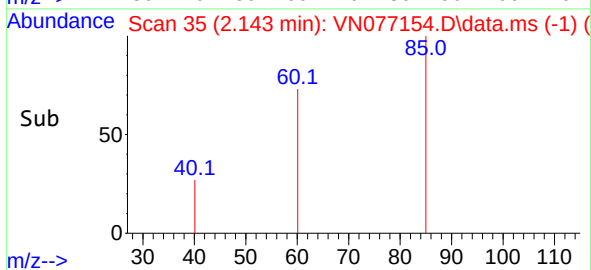
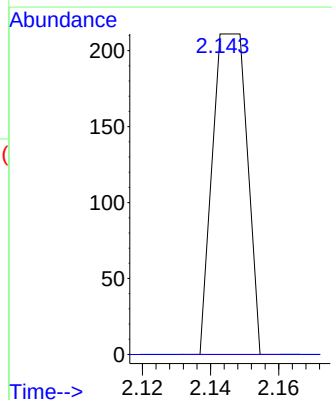
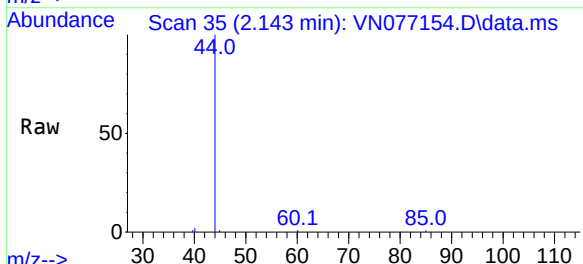
Instrument :
MSVOA_N
ClientSampleId :

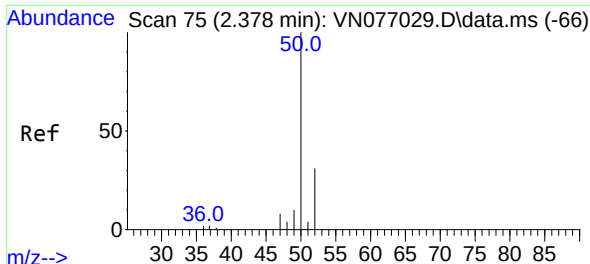
Tgt Ion:168 Resp: 380913
Ion Ratio Lower Upper
168 100
99 61.3 53.9 80.9



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.143 min Scan# 35
Delta R.T. 0.006 min
Lab File: VN077154.D
Acq: 23 Mar 2023 17:06

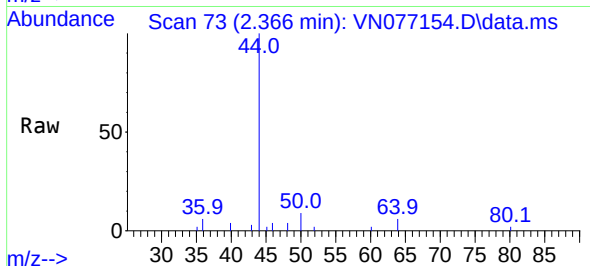
Tgt Ion: 85 Resp: 149
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.2#



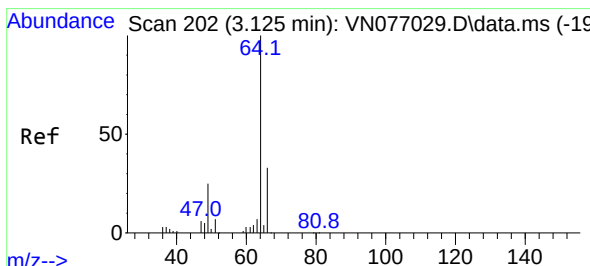
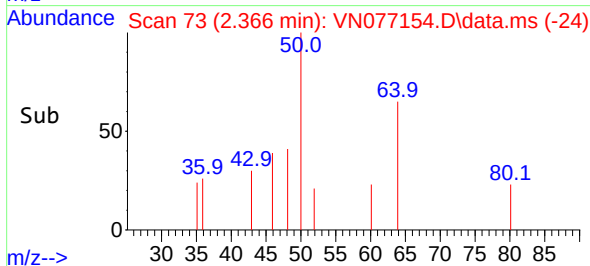
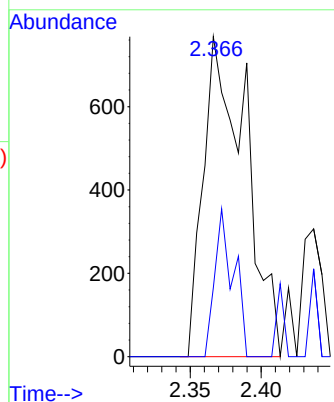


#3
Chloromethane
Concen: 0.416 ug/l
RT: 2.366 min Scan# 71
Delta R.T. -0.012 min
Lab File: VN077154.D
Acq: 23 Mar 2023 17:06

Instrument :
MSVOA_N
ClientSampleId :

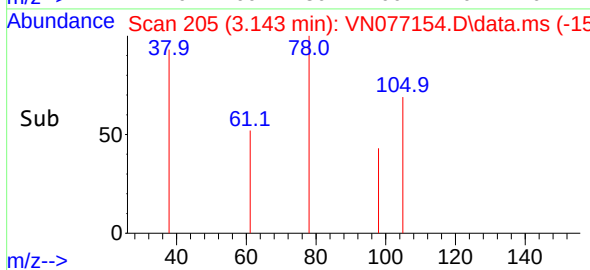
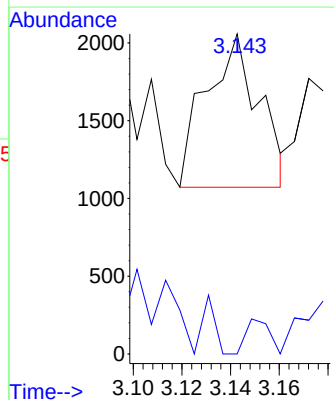
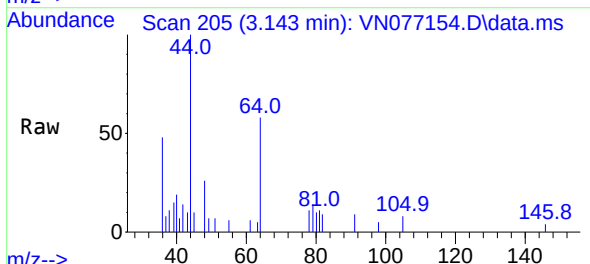


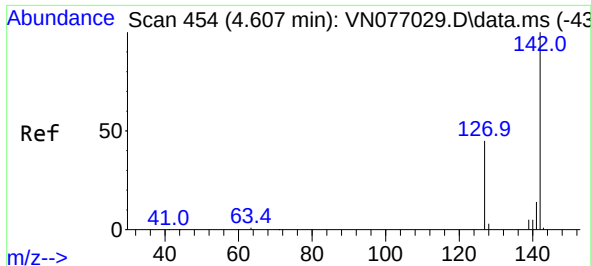
Tgt Ion: 50 Resp: 1597
Ion Ratio Lower Upper
50 100
52 21.5 25.1 37.7#



#6
Chloroethane
Concen: 0.567 ug/l
RT: 3.143 min Scan# 205
Delta R.T. 0.018 min
Lab File: VN077154.D
Acq: 23 Mar 2023 17:06

Tgt Ion: 64 Resp: 1485
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#

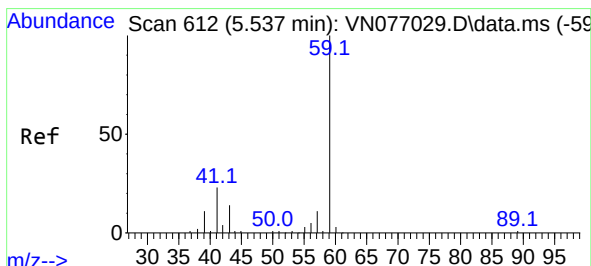
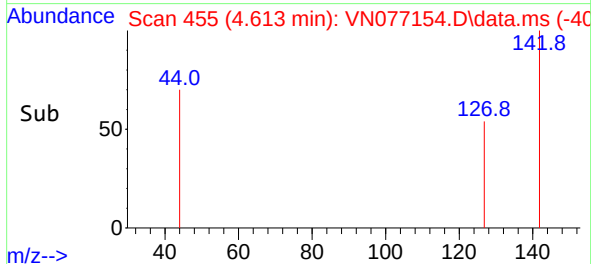
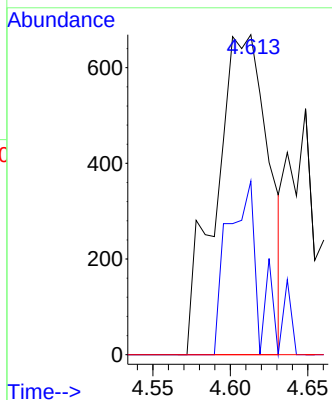
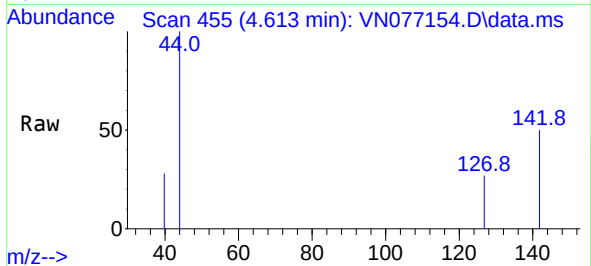




#10
Methyl Iodide
Concen: 0.278 ug/l
RT: 4.613 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN077154.D
Acq: 23 Mar 2023 17:06

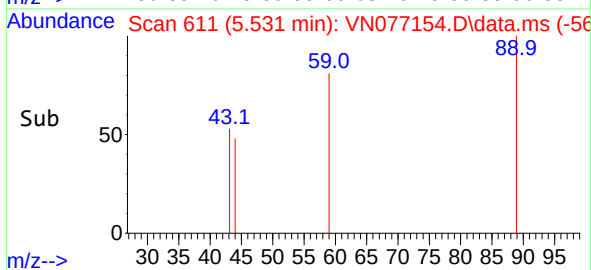
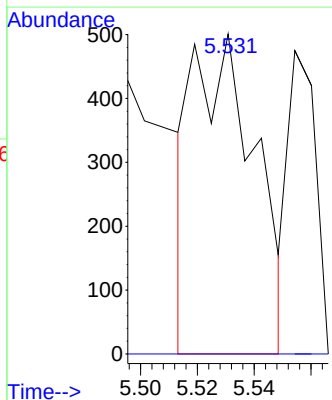
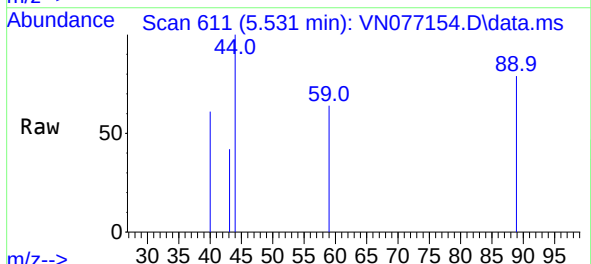
Instrument :
MSVOA_N
ClientSampleId :

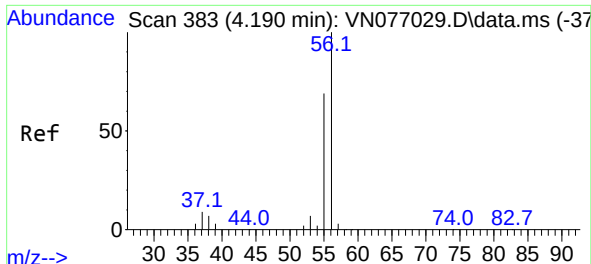
Tgt Ion:142 Resp: 1582
Ion Ratio Lower Upper
142 100
127 54.3 36.1 54.1#
141 0.0 10.8 16.2#



#11
Tert butyl alcohol
Concen: 0.853 ug/l
RT: 5.531 min Scan# 611
Delta R.T. -0.006 min
Lab File: VN077154.D
Acq: 23 Mar 2023 17:06

Tgt Ion: 59 Resp: 756
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

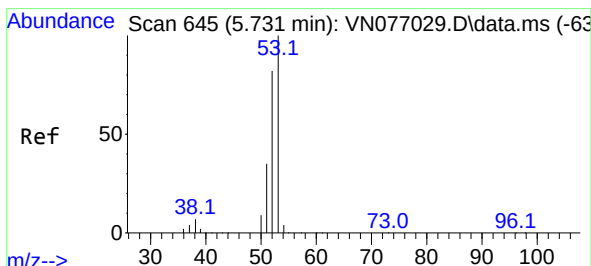
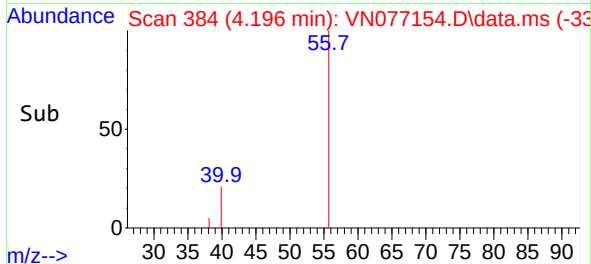
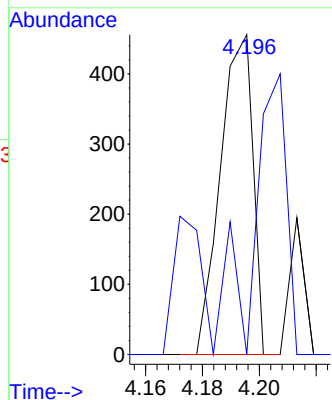
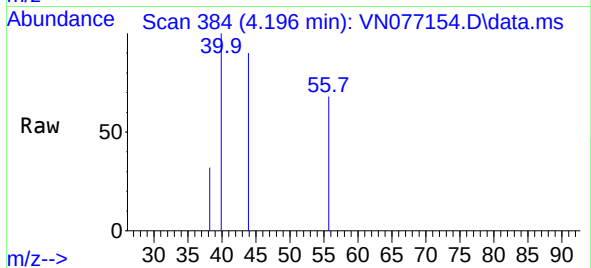




#13
Acrolein
Concen: 0.330 ug/l
RT: 4.196 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN077154.D
Acq: 23 Mar 2023 17:06

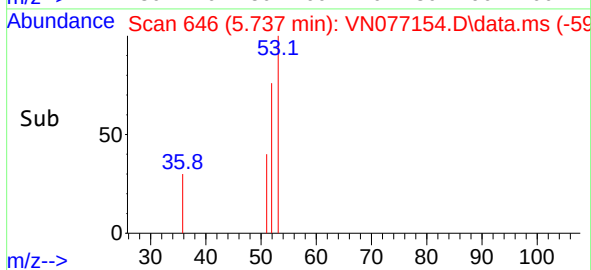
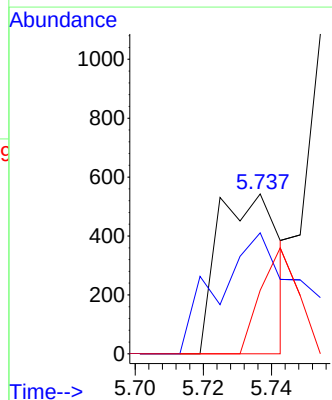
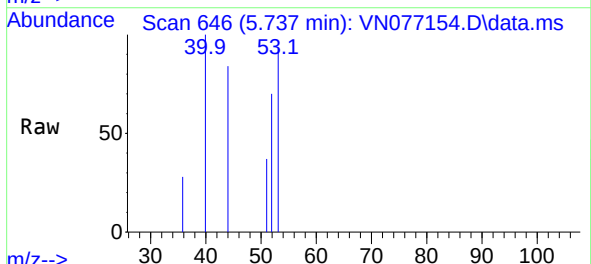
Instrument :
MSVOA_N
ClientSampleId :

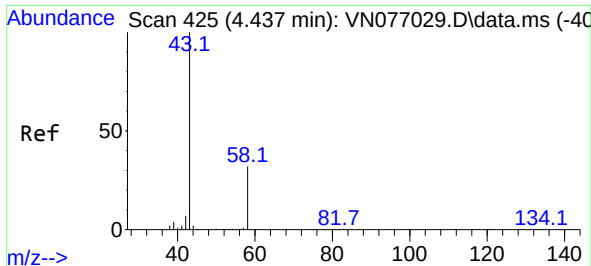
Tgt Ion: 56 Resp: 362
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.6#



#15
Acrylonitrile
Concen: 0.226 ug/l
RT: 5.737 min Scan# 646
Delta R.T. 0.006 min
Lab File: VN077154.D
Acq: 23 Mar 2023 17:06

Tgt Ion: 53 Resp: 674
Ion Ratio Lower Upper
53 100
52 97.8 64.6 97.0#
51 40.5 28.3 42.5

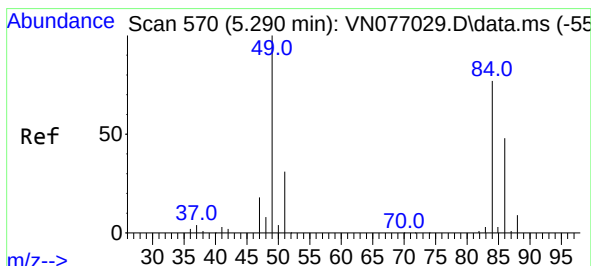
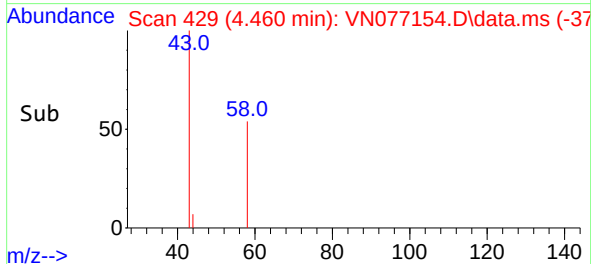
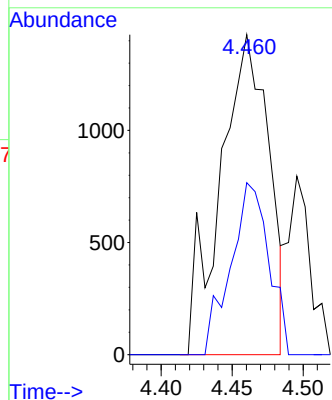
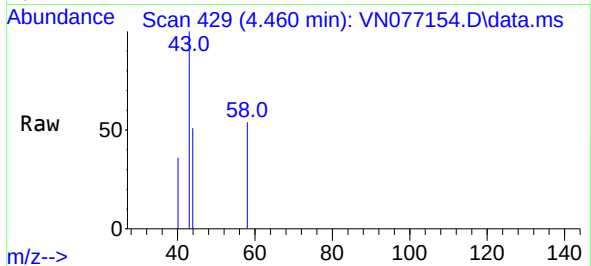




#16
Acetone
Concen: 1.246 ug/l
RT: 4.460 min Scan# 431
Delta R.T. 0.023 min
Lab File: VN077154.D
Acq: 23 Mar 2023 17:06

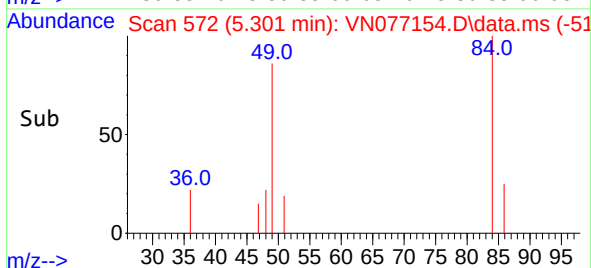
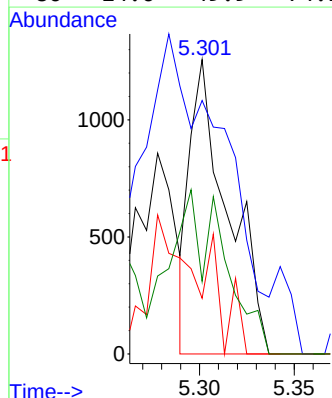
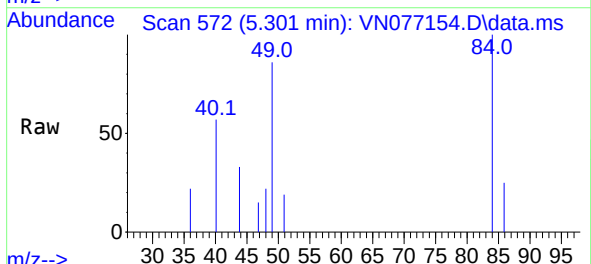
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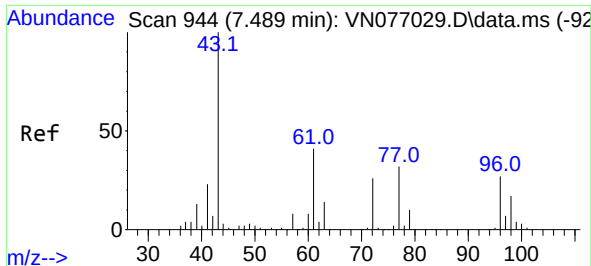
Tgt Ion: 43 Resp: 3379
Ion Ratio Lower Upper
43 100
58 53.7 25.4 38.0#



#20
Methylene Chloride
Concen: 0.297 ug/l
RT: 5.301 min Scan# 572
Delta R.T. 0.011 min
Lab File: VN077154.D
Acq: 23 Mar 2023 17:06

Tgt Ion: 84 Resp: 1748
Ion Ratio Lower Upper
84 100
49 56.4 103.8 155.6#
51 18.9 32.3 48.5#
86 24.6 49.9 74.9#

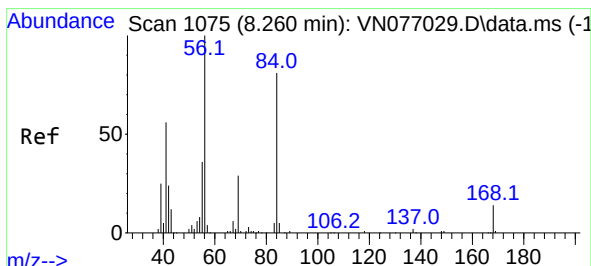
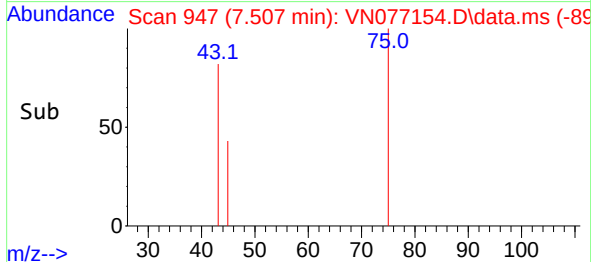
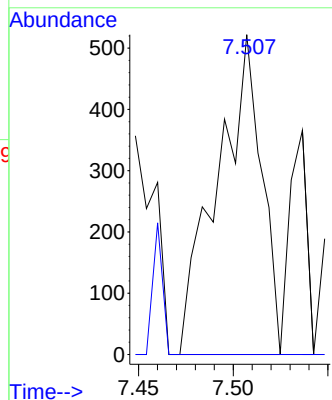
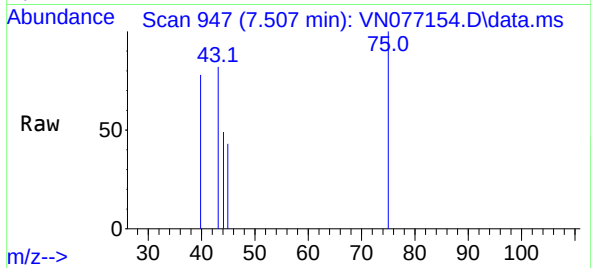




#25
2-Butanone
Concen: 0.214 ug/l
RT: 7.507 min Scan# 944
Delta R.T. 0.018 min
Lab File: VN077154.D
Acq: 23 Mar 2023 17:06

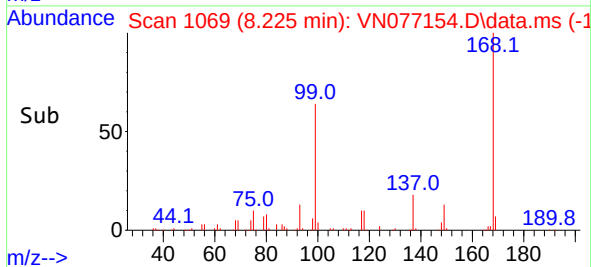
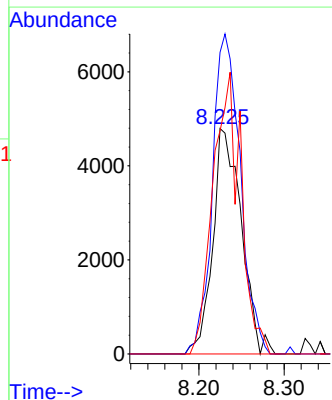
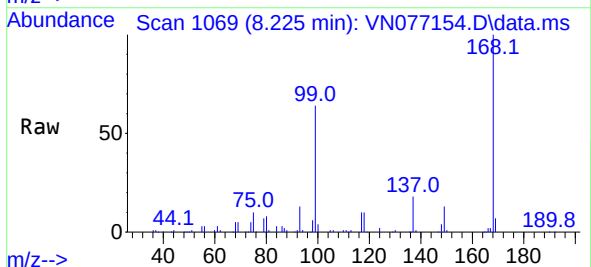
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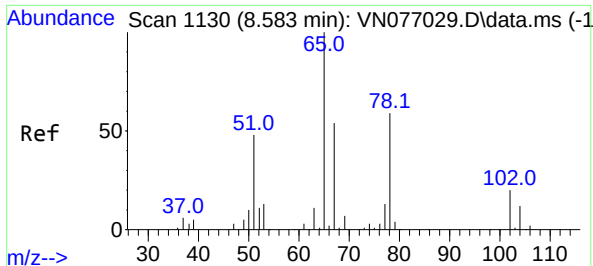
Tgt Ion: 43 Resp: 848
Ion Ratio Lower Upper
43 100
72 0.0 20.7 31.1#



#31
Cyclohexane
Concen: 1.119 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.035 min
Lab File: VN077154.D
Acq: 23 Mar 2023 17:06

Tgt Ion: 56 Resp: 11135
Ion Ratio Lower Upper
56 100
69 133.8 22.8 34.2#
84 99.0 64.7 97.1#





#33

1,2-Dichloroethane-d4

Concen: 47.420 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. 0.001 min

Lab File: VN077154.D

Acq: 23 Mar 2023 17:06

Instrument :

MSVOA_N

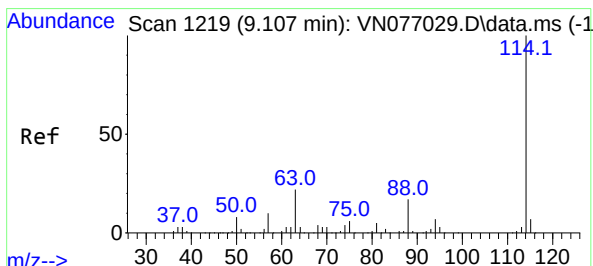
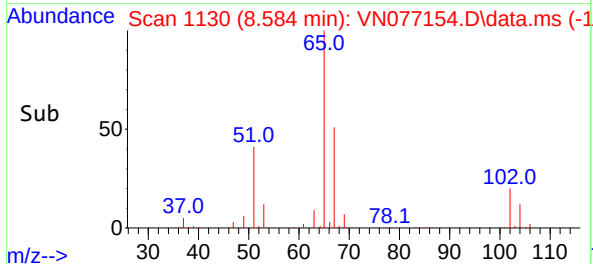
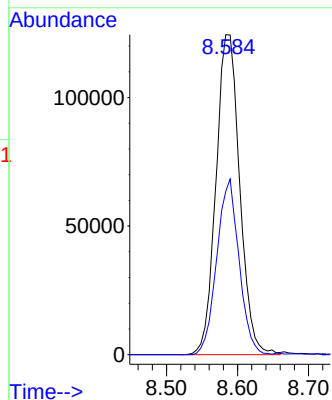
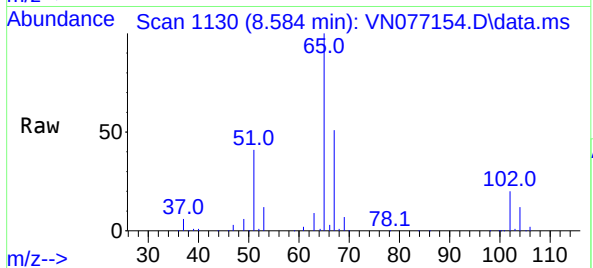
ClientSampleId :

Tgt Ion: 65 Resp: 288524

Ion Ratio Lower Upper

65 100

67 51.4 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VN077154.D

Acq: 23 Mar 2023 17:06

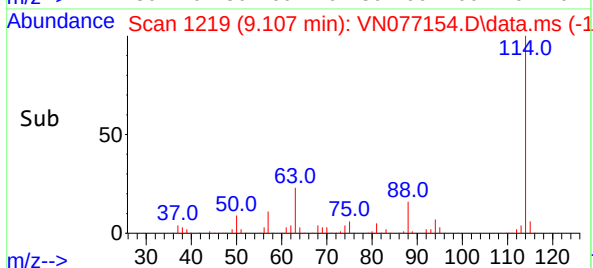
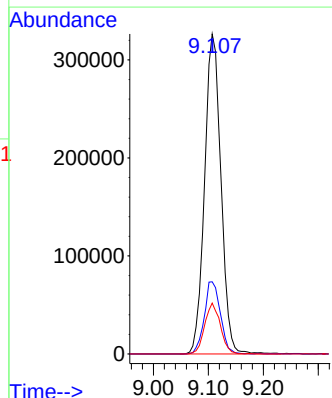
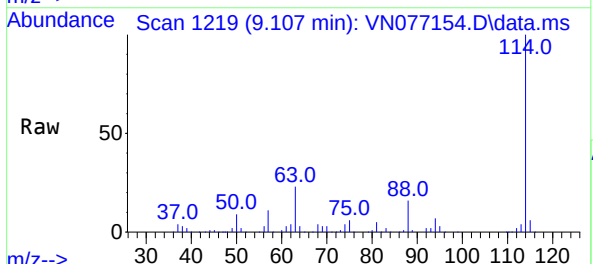
Tgt Ion: 114 Resp: 676298

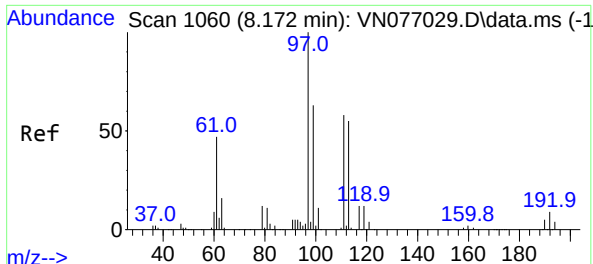
Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.6

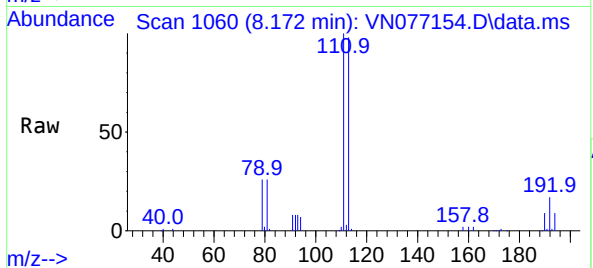
88 15.9 0.0 33.8



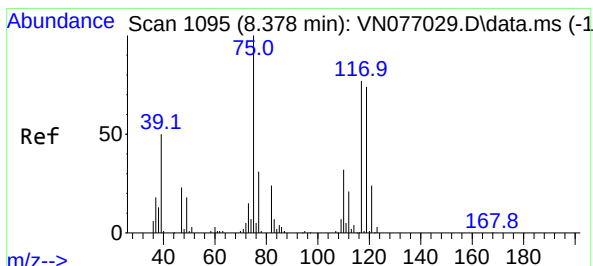
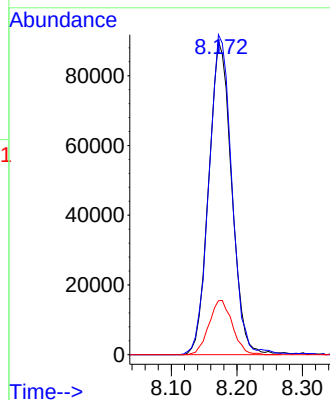
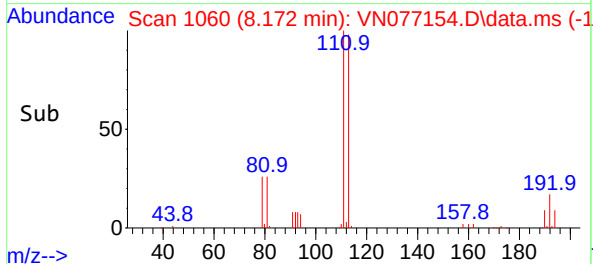


#35
Dibromofluoromethane
Concen: 46.057 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VN077154.D
Acq: 23 Mar 2023 17:06

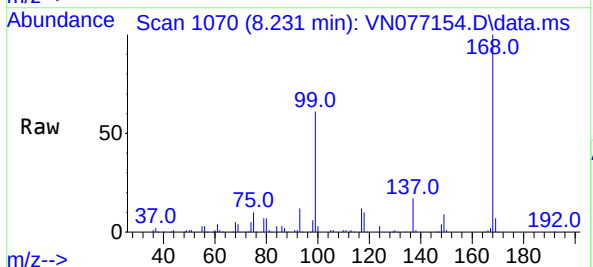
Instrument :
MSVOA_N
ClientSampleId :



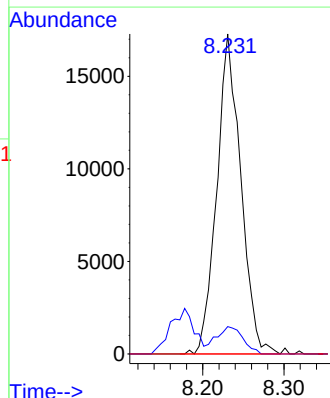
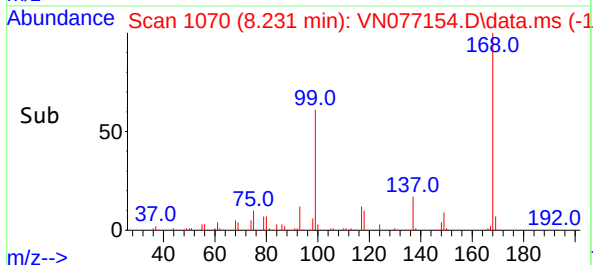
Tgt Ion:113 Resp: 218136
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.2
192 17.7 13.0 19.6

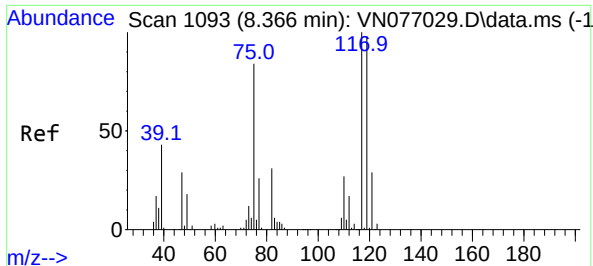


#36
1,1-Dichloropropene
Concen: 4.796 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077154.D
Acq: 23 Mar 2023 17:06



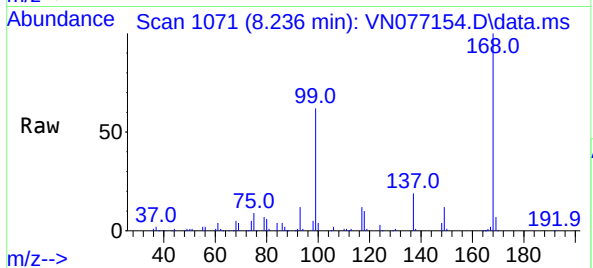
Tgt Ion: 75 Resp: 35475
Ion Ratio Lower Upper
75 100
110 9.1 15.9 47.7#
77 0.0 24.3 36.5#



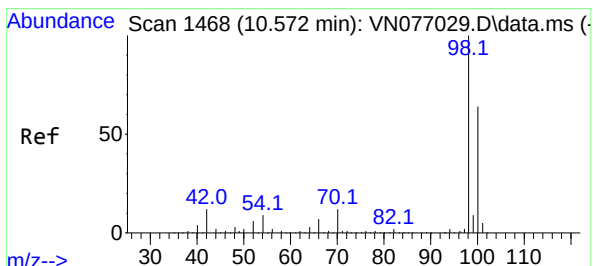
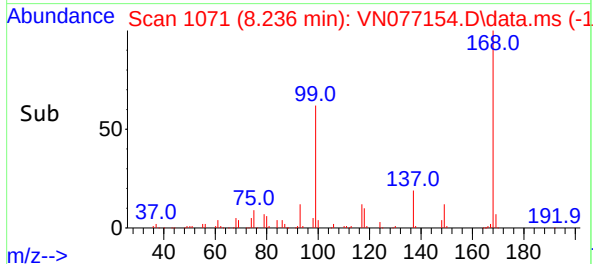
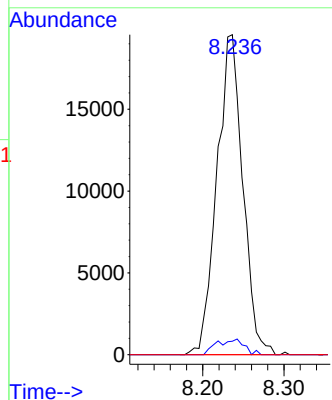


#38
Carbon Tetrachloride
Concen: 6.012 ug/l
RT: 8.236 min Scan# 1093
Delta R.T. -0.129 min
Lab File: VN077154.D
Acq: 23 Mar 2023 17:06

Instrument :
MSVOA_N
ClientSampleId :

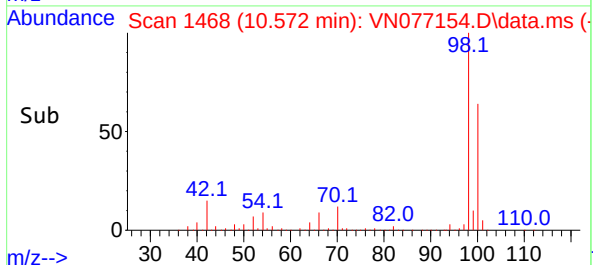
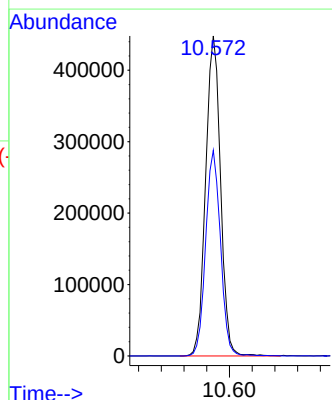
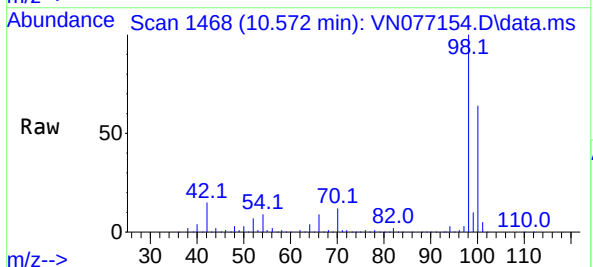


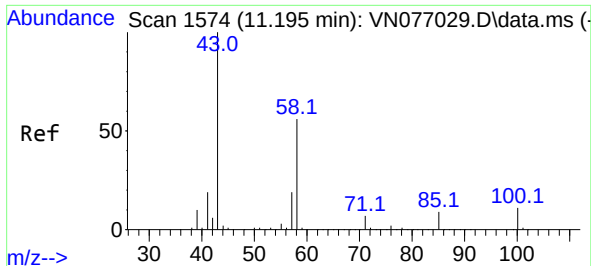
Tgt Ion:117 Resp: 43322
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.2#
121 0.0 23.2 34.8#



#50
Toluene-d8
Concen: 48.104 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VN077154.D
Acq: 23 Mar 2023 17:06

Tgt Ion: 98 Resp: 813845
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4

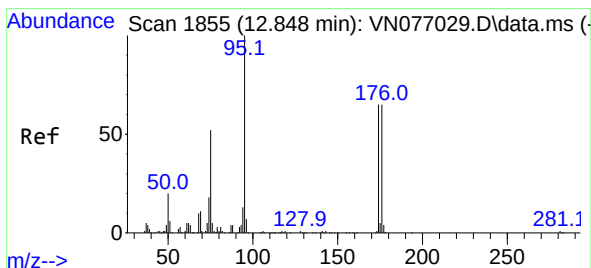
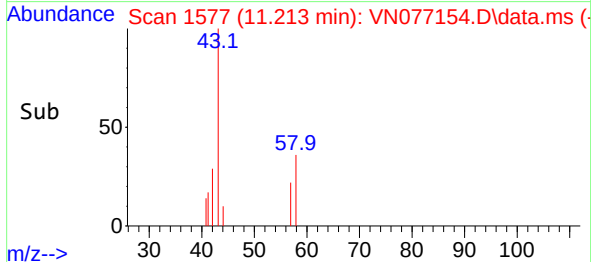
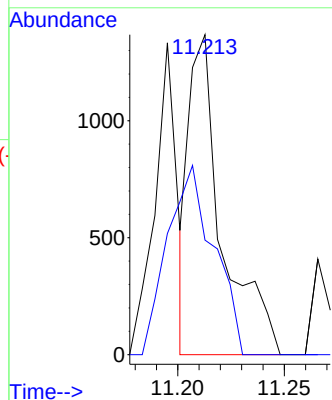
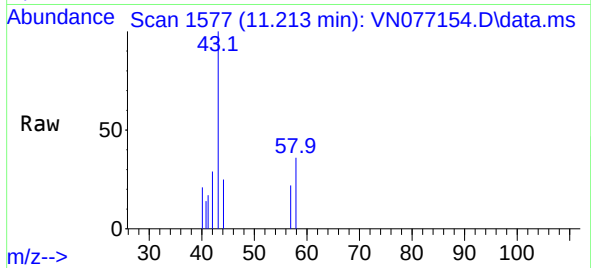




#59
2-Hexanone
Concen: 0.265 ug/l
RT: 11.213 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN077154.D
Acq: 23 Mar 2023 17:06

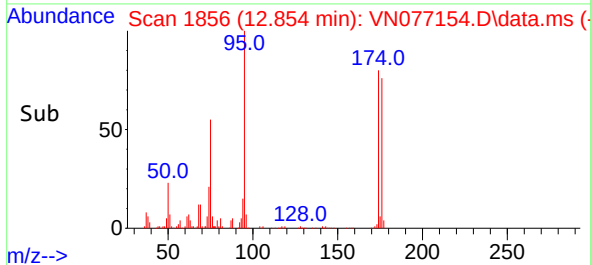
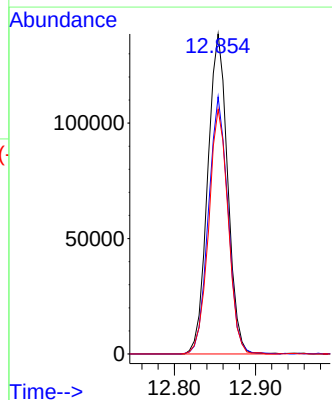
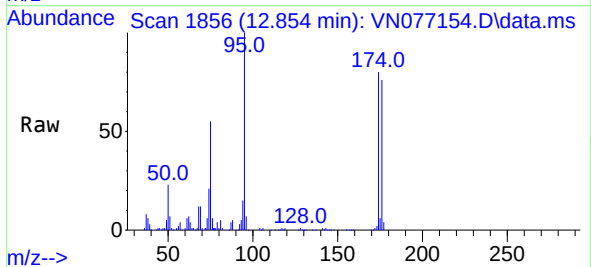
Instrument :
MSVOA_N
ClientSampleId :

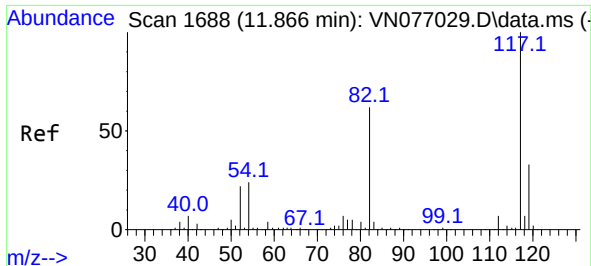
Tgt Ion: 43 Resp: 1480
Ion Ratio Lower Upper
43 100
58 82.5 27.7 83.1



#62
4-Bromofluorobenzene
Concen: 39.503 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077154.D
Acq: 23 Mar 2023 17:06

Tgt Ion: 95 Resp: 236164
Ion Ratio Lower Upper
95 100
174 78.6 0.0 136.6
176 74.5 0.0 130.0

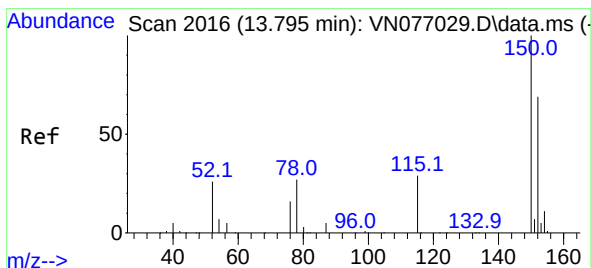
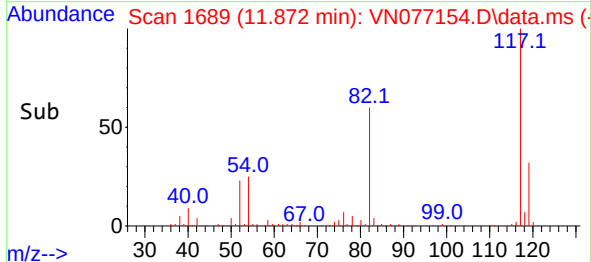
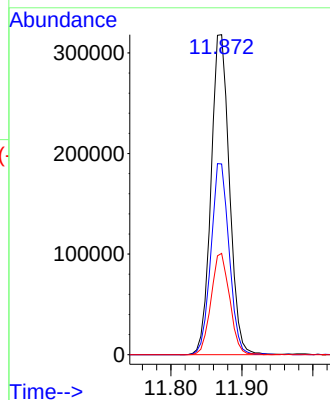
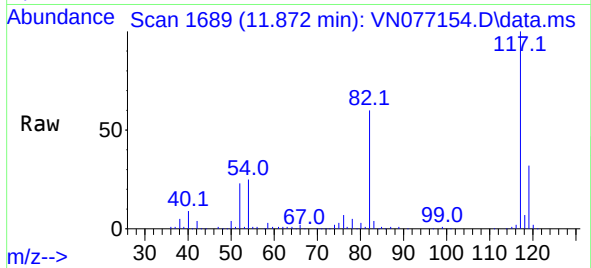




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN077154.D
Acq: 23 Mar 2023 17:06

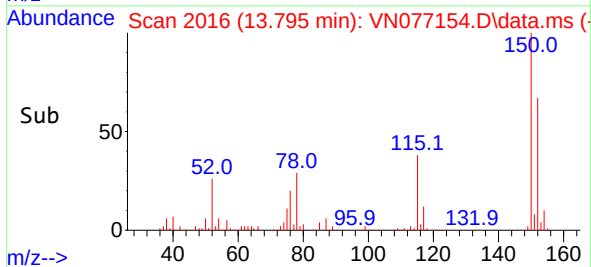
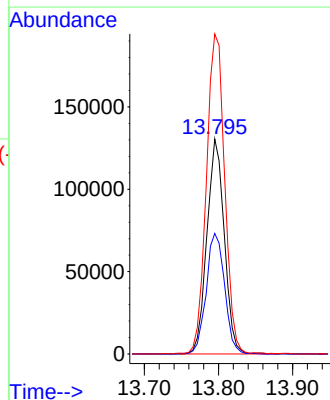
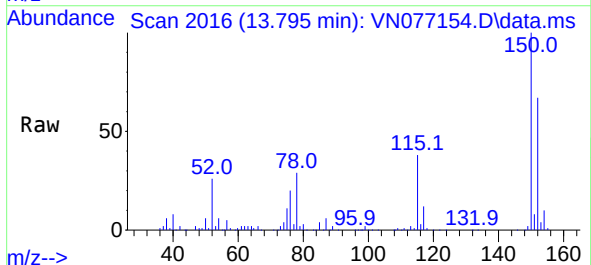
Instrument :
MSVOA_N
ClientSampleId :

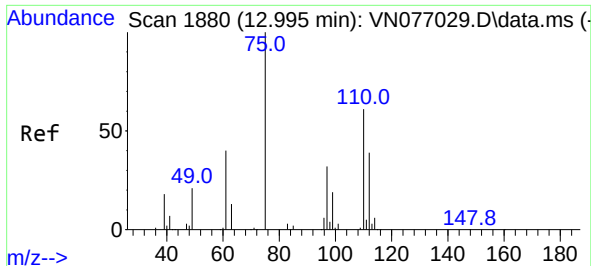
Tgt Ion:117 Resp: 571684
Ion Ratio Lower Upper
117 100
82 59.6 49.4 74.0
119 31.7 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077154.D
Acq: 23 Mar 2023 17:06

Tgt Ion:152 Resp: 212842
Ion Ratio Lower Upper
152 100
115 59.4 31.9 95.7
150 156.8 0.0 348.0

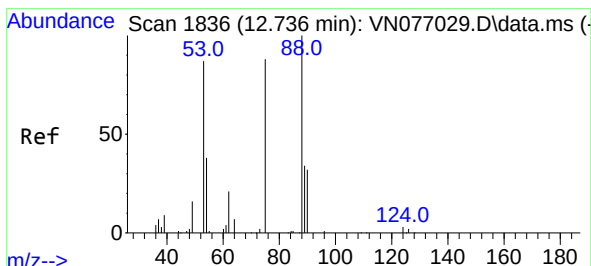
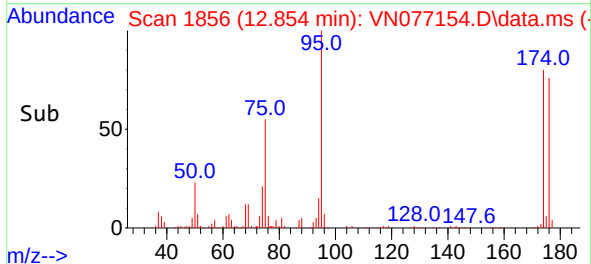
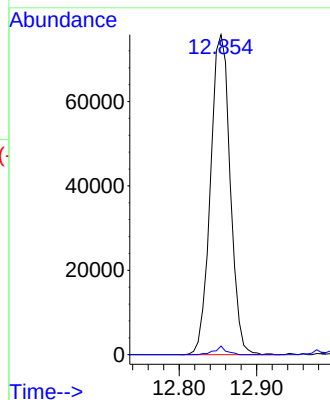
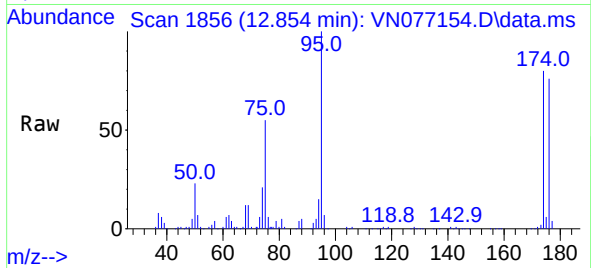




#76
1,2,3-Trichloropropane
Concen: 24.308 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077154.D
Acq: 23 Mar 2023 17:06

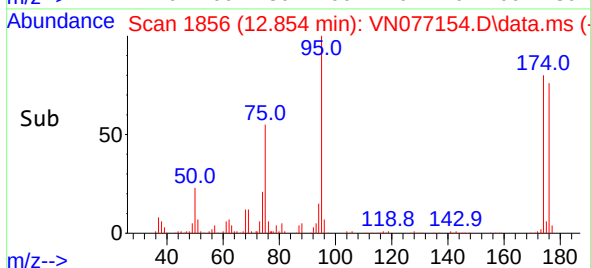
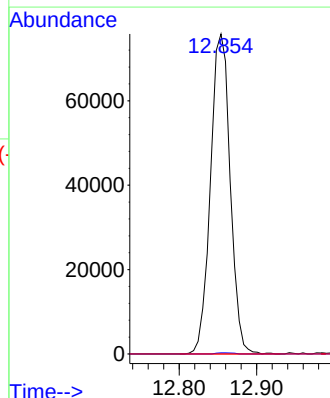
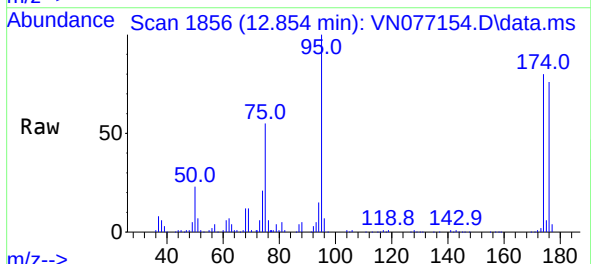
Instrument :
MSVOA_N
ClientSampleId :

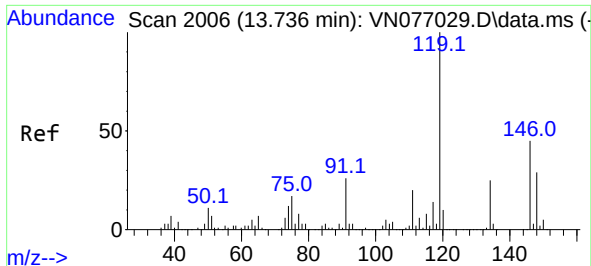
Tgt Ion: 75 Resp: 133828
Ion Ratio Lower Upper
75 100
77 1.6 107.3 322.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.910 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077154.D
Acq: 23 Mar 2023 17:06

Tgt Ion: 75 Resp: 133828
Ion Ratio Lower Upper
75 100
53 0.3 80.8 121.2#
89 0.0 34.2 51.4#





#87

1,3-Dichlorobenzene

Concen: 0.210 ug/l

RT: 13.736 min Scan# 2006

Delta R.T. 0.000 min

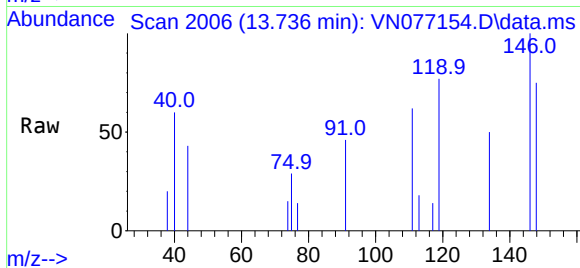
Lab File: VN077154.D

Acq: 23 Mar 2023 17:06

Instrument :

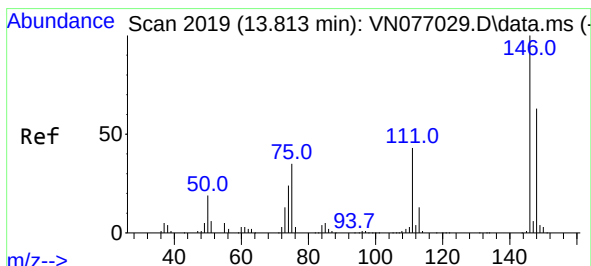
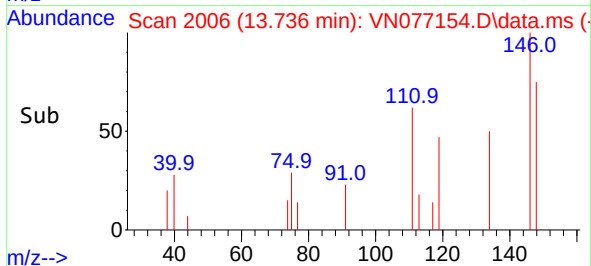
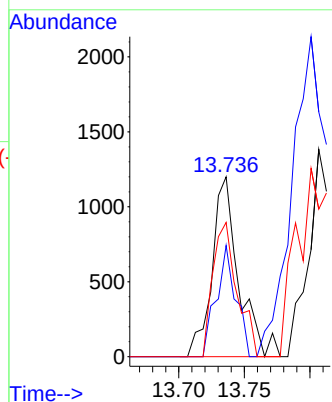
MSVOA_N

ClientSampleId :



Tgt Ion:146 Resp: 1692

Ion	Ratio	Lower	Upper
146	100		
111	45.6	21.9	65.5
148	68.3	32.1	96.5



#88

1,4-Dichlorobenzene

Concen: 0.211 ug/l

RT: 13.736 min Scan# 2006

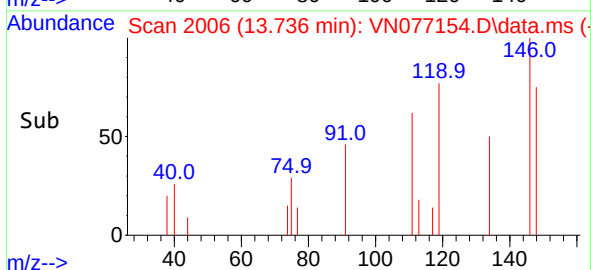
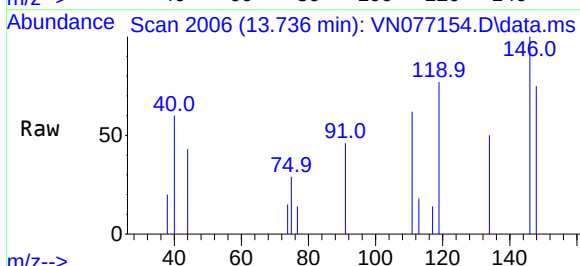
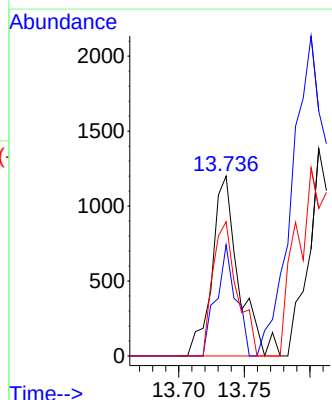
Delta R.T. -0.077 min

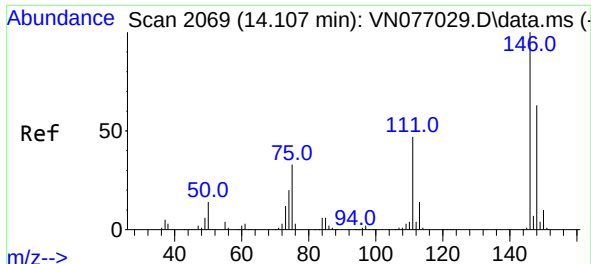
Lab File: VN077154.D

Acq: 23 Mar 2023 17:06

Tgt Ion:146 Resp: 1692

Ion	Ratio	Lower	Upper
146	100		
111	45.6	21.5	64.5
148	68.3	31.9	95.9





#91

1,2-Dichlorobenzene

Concen: 0.203 ug/l

RT: 14.118 min Scan# 2069

Delta R.T. 0.011 min

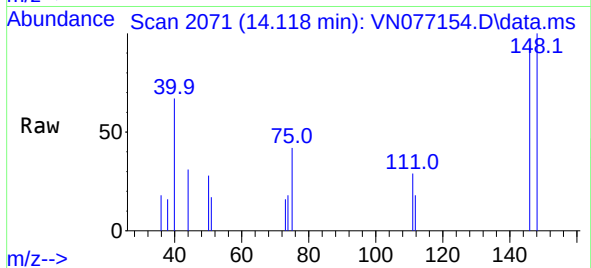
Lab File: VN077154.D

Acq: 23 Mar 2023 17:06

Instrument :

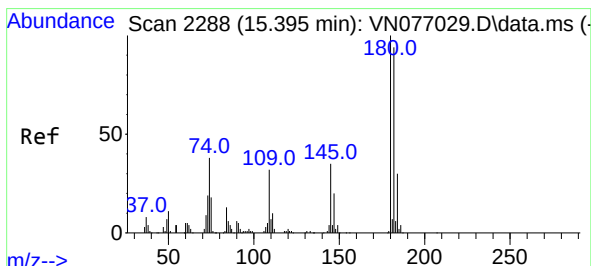
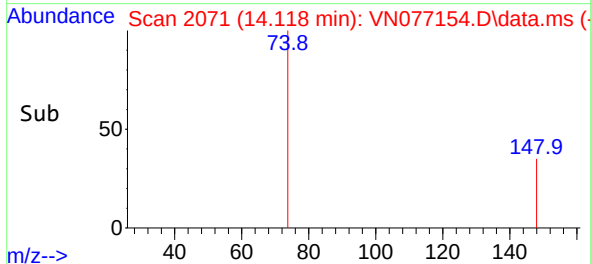
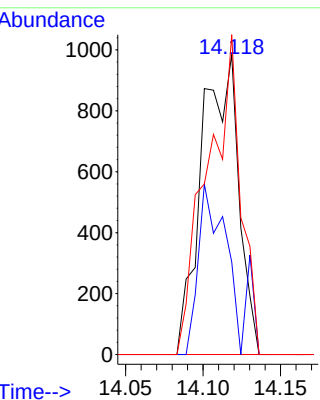
MSVOA_N

ClientSampleId :



Tgt Ion:146 Resp: 1635

Ion	Ratio	Lower	Upper
146	100		
111	48.3	22.6	67.7
148	96.5	31.6	95.0



#93

1,2,4-Trichlorobenzene

Concen: 0.410 ug/l

RT: 15.401 min Scan# 2289

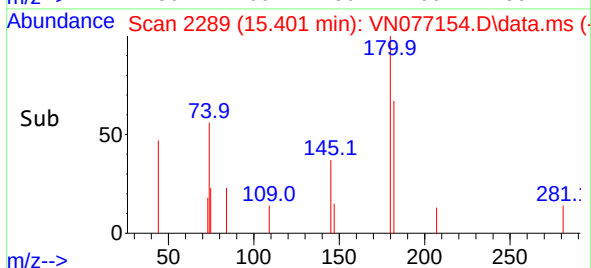
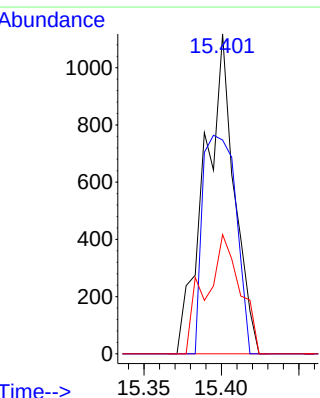
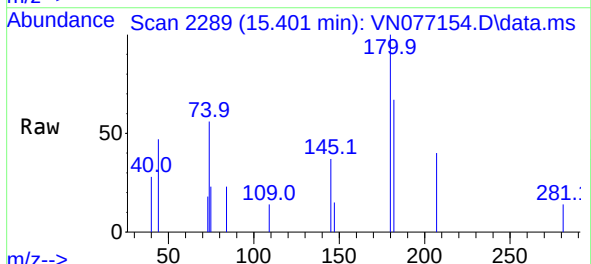
Delta R.T. 0.006 min

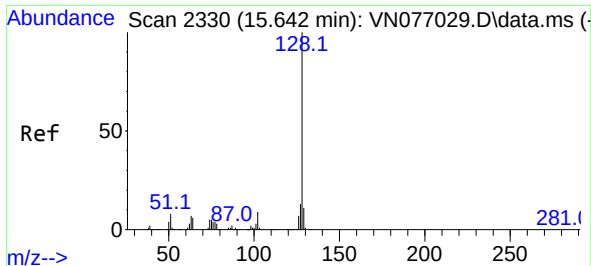
Lab File: VN077154.D

Acq: 23 Mar 2023 17:06

Tgt Ion:180 Resp: 1491

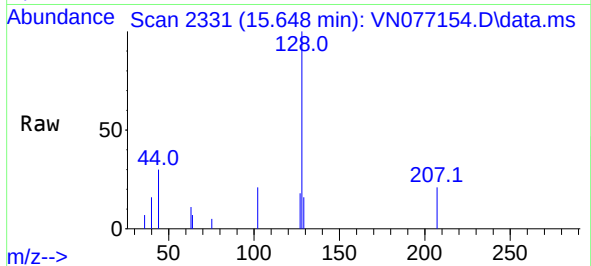
Ion	Ratio	Lower	Upper
180	100		
182	76.5	47.3	141.9
145	43.3	16.9	50.7



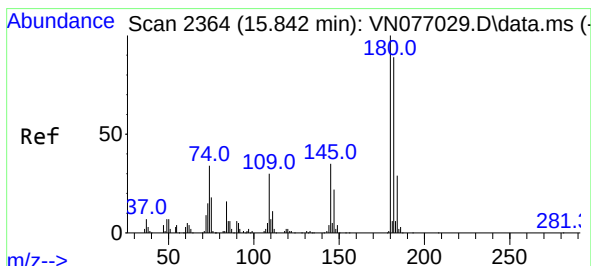
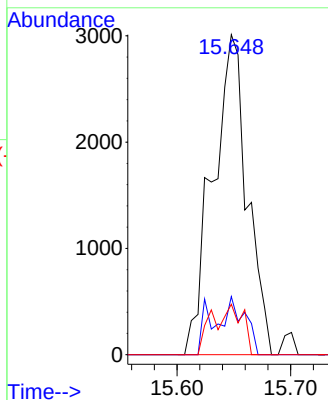
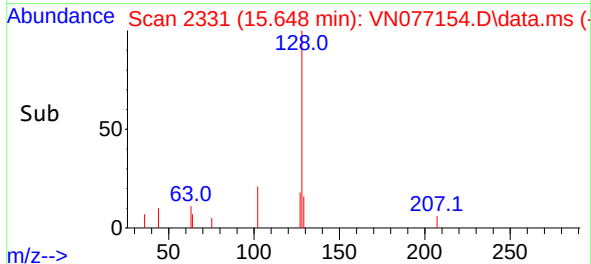


#95
Naphthalene
Concen: 2.345 ug/l
RT: 15.648 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN077154.D
Acq: 23 Mar 2023 17:06

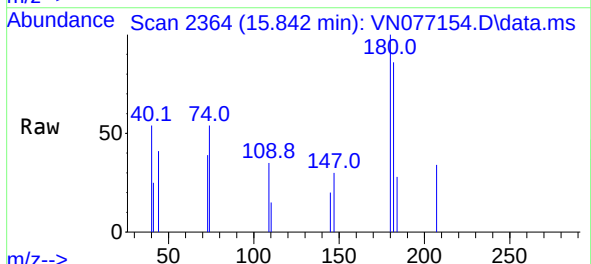
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 6367
Ion Ratio Lower Upper
128 100
127 8.6 10.0 15.0#
129 8.6 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.545 ug/l
RT: 15.842 min Scan# 2364
Delta R.T. -0.000 min
Lab File: VN077154.D
Acq: 23 Mar 2023 17:06



Tgt Ion:180 Resp: 1990
Ion Ratio Lower Upper
180 100
182 73.6 47.4 142.2
145 8.9 17.9 53.8#

