

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032323\
 Data File : VN077146.D
 Acq On : 23 Mar 2023 13:53
 Operator : JC\MD
 Sample : 01849-05
 Misc : 13.21g/10mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 24 01:34:14 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

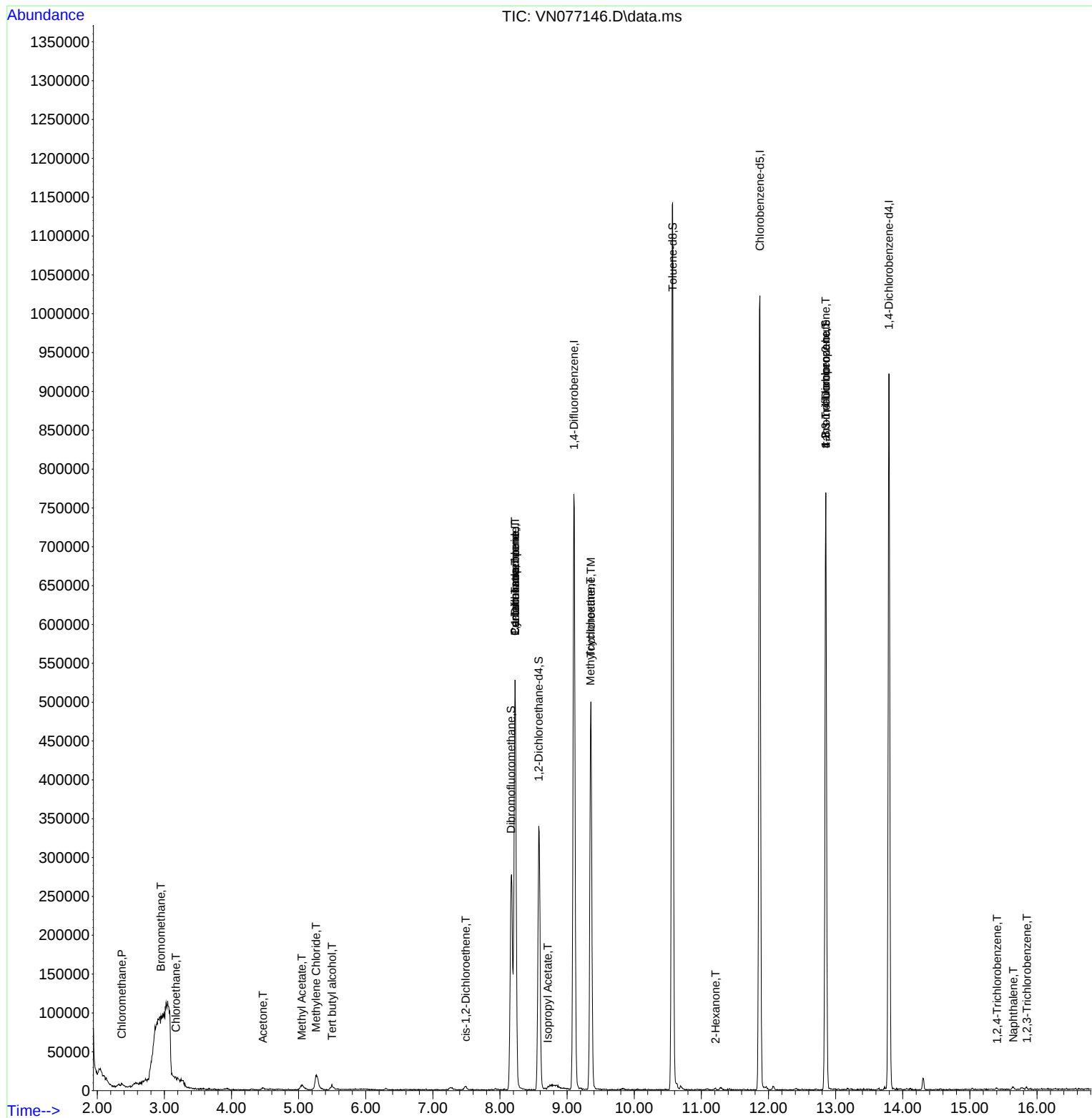
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.225	168	371533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	638618	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	574764	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	232164	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.578	65	275622	46.443	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.880%		
35) Dibromofluoromethane	8.166	113	204393	45.702	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.400%		
50) Toluene-d8	10.572	98	793036	49.640	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.280%		
62) 4-Bromofluorobenzene	12.854	95	238211	42.197	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.400%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.366	50	1093	0.292	ug/l #	43
5) Bromomethane	2.949	94	825	0.302	ug/l #	50
6) Chloroethane	3.172	64	1956	0.765	ug/l #	68
11) Tert butyl alcohol	5.496	59	3268	3.779	ug/l #	72
16) Acetone	4.466	43	4939	1.868	ug/l #	79
18) Methyl Acetate	5.048	43	15010	1.505	ug/l	99
20) Methylene Chloride	5.260	84	15122	2.635	ug/l	92
27) cis-1,2-Dichloroethene	7.490	96	1152	0.206	ug/l	79
31) Cyclohexane	8.225	56	11220	1.156	ug/l #	57
36) 1,1-Dichloropropene	8.225	75	33049	4.731	ug/l #	51
38) Carbon Tetrachloride	8.225	117	38822	5.706	ug/l #	16
39) Methylcyclohexane	9.348	83	2448	0.299	ug/l #	1
43) Isopropyl Acetate	8.713	43	2706	0.232	ug/l #	56
44) Trichloroethene	9.354	130	170872	35.115	ug/l	99
59) 2-Hexanone	11.213	43	1885	0.357	ug/l #	59
76) 1,2,3-Trichloropropane	12.854	75	134213	22.349	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	134213	61.518	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.407	180	1142	0.288	ug/l #	88
95) Naphthalene	15.648	128	3917	2.156	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.848	180	1139	0.286	ug/l #	78

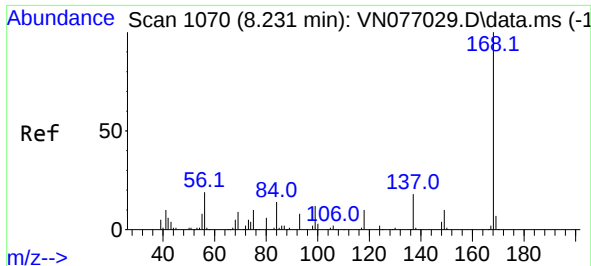
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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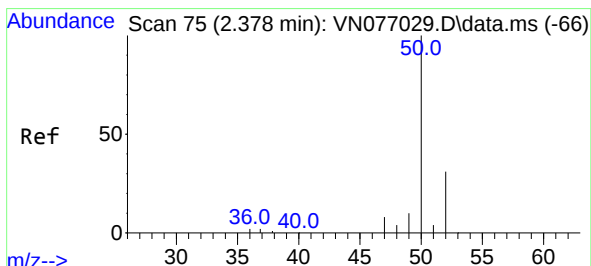
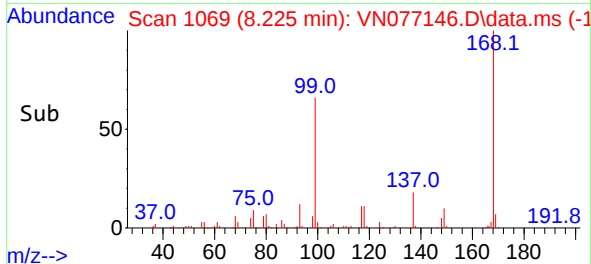
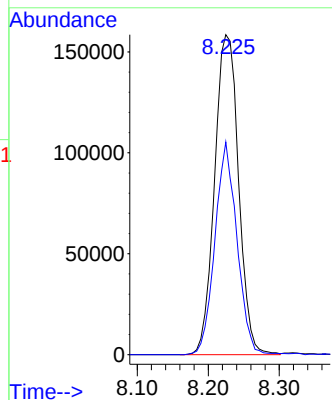
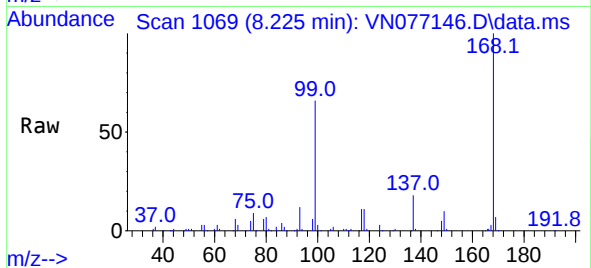




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.225 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN077146.D
Acq: 23 Mar 2023 13:53

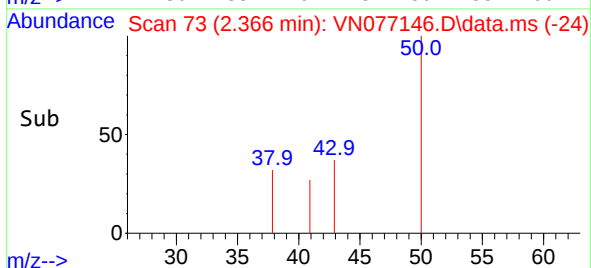
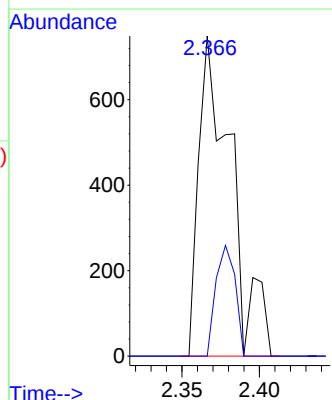
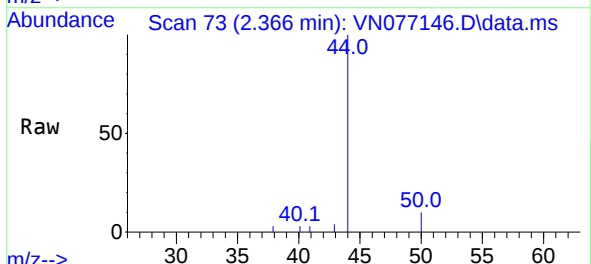
Instrument :
MSVOA_N
ClientSampleId :

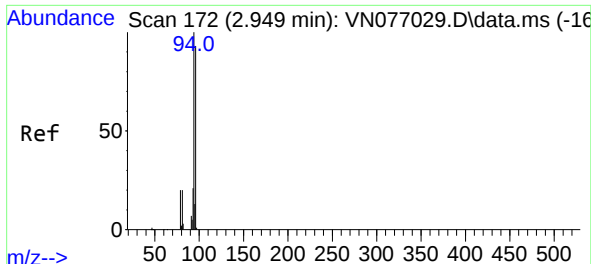
Tgt Ion:168 Resp: 371533
Ion Ratio Lower Upper
168 100
99 66.5 53.9 80.9



#3
Chloromethane
Concen: 0.292 ug/l
RT: 2.366 min Scan# 73
Delta R.T. -0.012 min
Lab File: VN077146.D
Acq: 23 Mar 2023 13:53

Tgt Ion: 50 Resp: 1093
Ion Ratio Lower Upper
50 100
52 0.0 25.1 37.7#

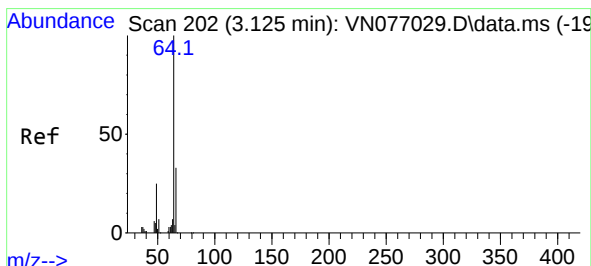
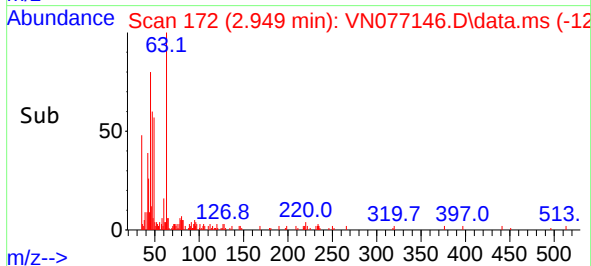
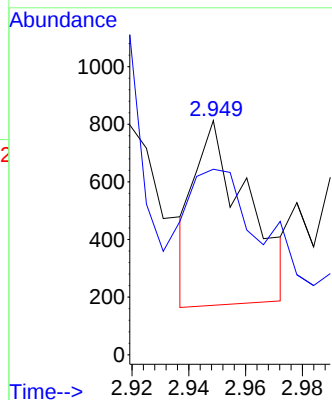
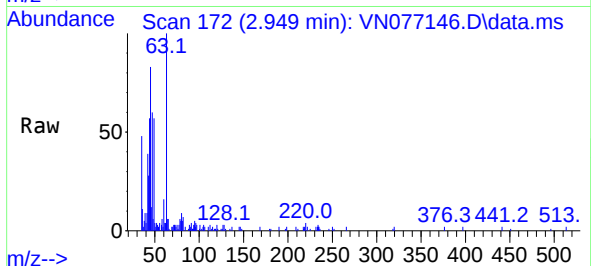




#5
Bromomethane
Concen: 0.302 ug/l
RT: 2.949 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077146.D
Acq: 23 Mar 2023 13:53

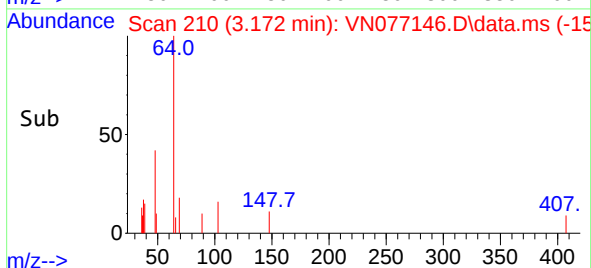
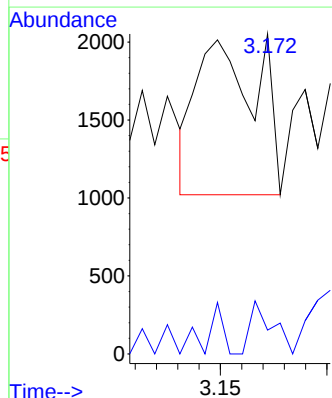
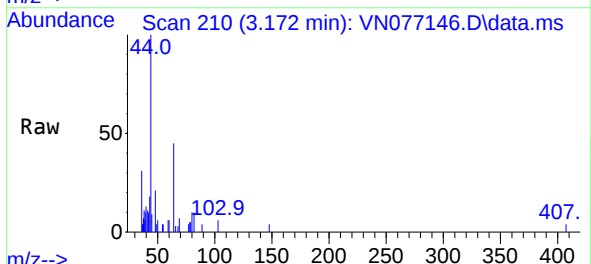
Instrument :
MSVOA_N
ClientSampleId :

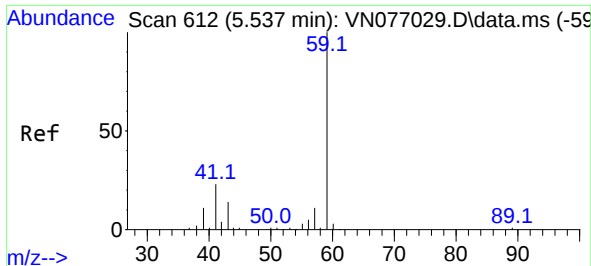
Tgt Ion: 94 Resp: 825
Ion Ratio Lower Upper
94 100
96 44.8 74.1 111.1#



#6
Chloroethane
Concen: 0.765 ug/l
RT: 3.172 min Scan# 210
Delta R.T. 0.047 min
Lab File: VN077146.D
Acq: 23 Mar 2023 13:53

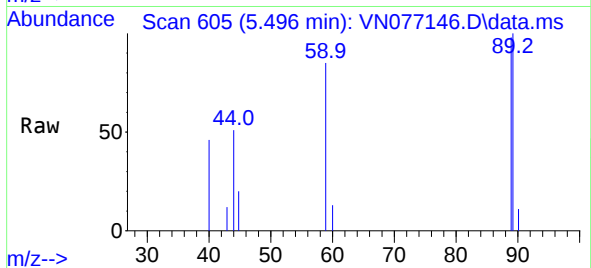
Tgt Ion: 64 Resp: 1956
Ion Ratio Lower Upper
64 100
66 14.8 26.3 39.5#



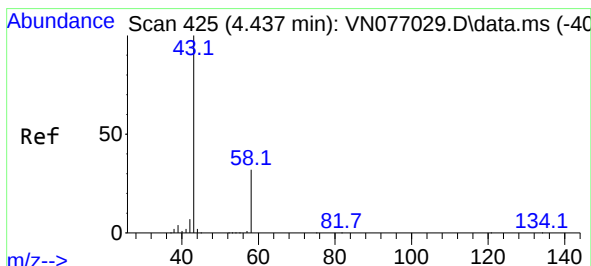
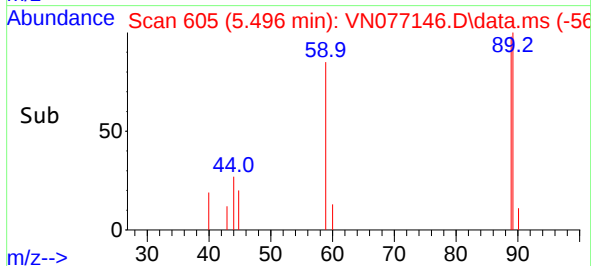
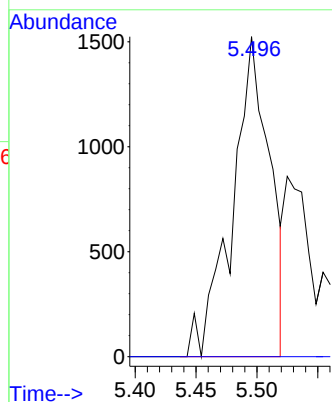


#11
Tert butyl alcohol
Concen: 3.779 ug/l
RT: 5.496 min Scan# 605
Delta R.T. -0.041 min
Lab File: VN077146.D
Acq: 23 Mar 2023 13:53

Instrument :
MSVOA_N
ClientSampleId :

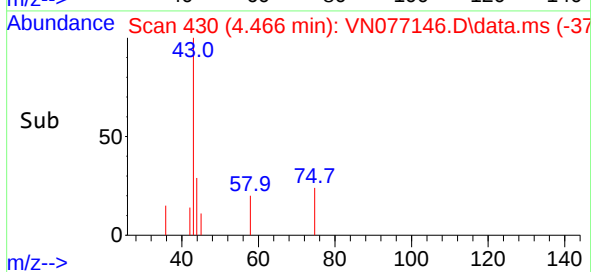
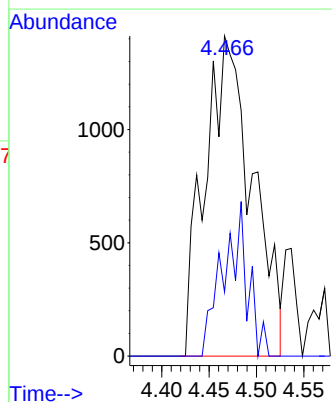
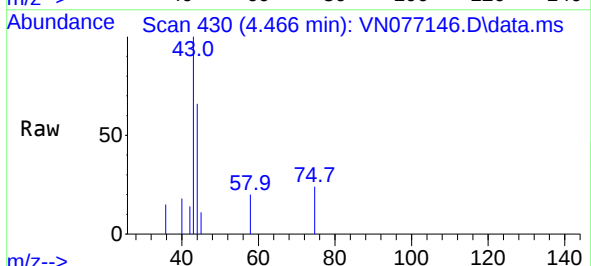


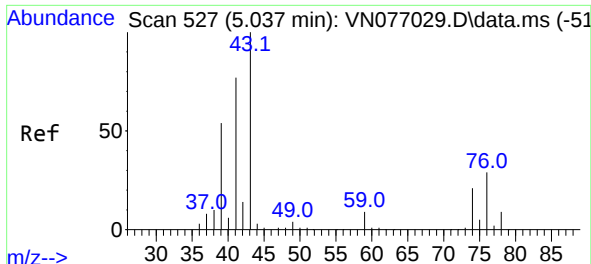
Tgt Ion: 59 Resp: 3268
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 1.868 ug/l
RT: 4.466 min Scan# 430
Delta R.T. 0.029 min
Lab File: VN077146.D
Acq: 23 Mar 2023 13:53

Tgt Ion: 43 Resp: 4939
Ion Ratio Lower Upper
43 100
58 20.0 25.4 38.0#

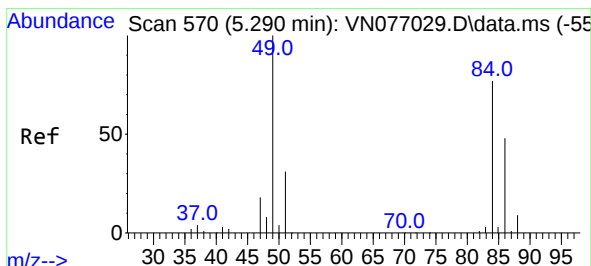
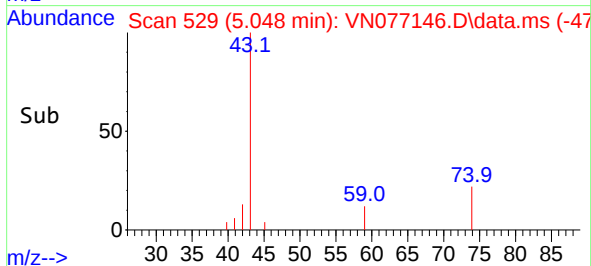
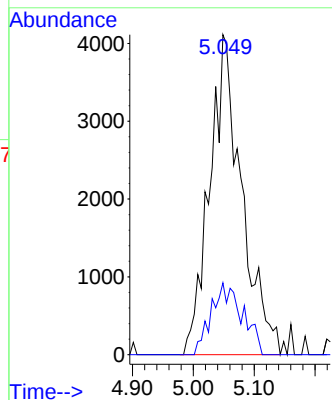
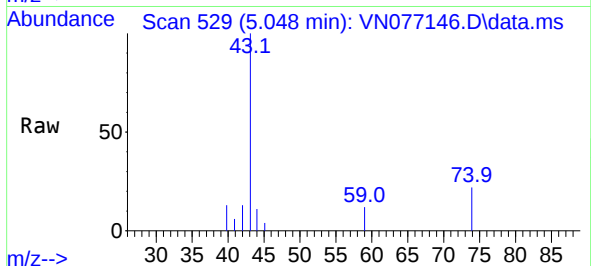




#18
Methyl Acetate
Concen: 1.505 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN077146.D
Acq: 23 Mar 2023 13:53

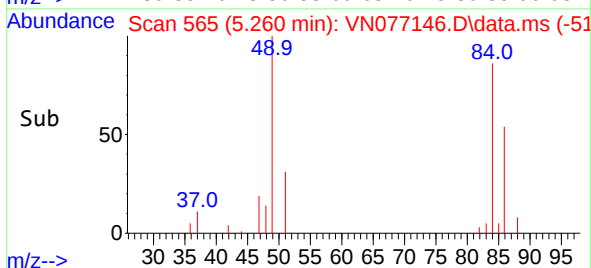
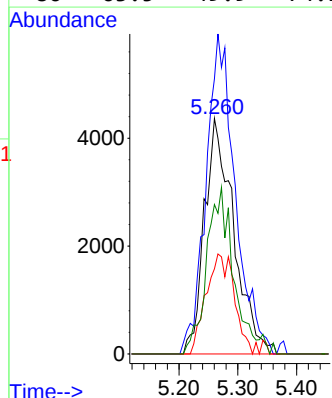
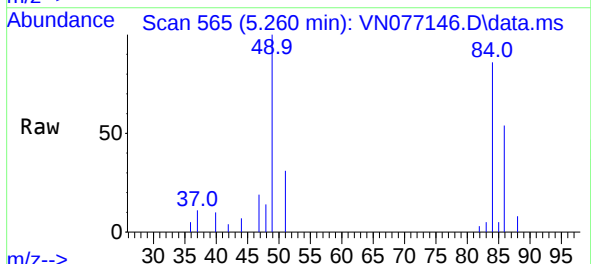
Instrument :
MSVOA_N
ClientSampleId :

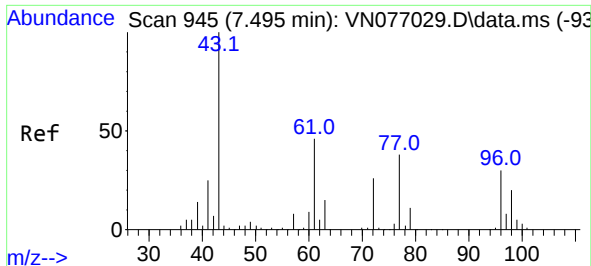
Tgt Ion: 43 Resp: 15010
Ion Ratio Lower Upper
43 100
74 21.8 17.7 26.5



#20
Methylene Chloride
Concen: 2.635 ug/l
RT: 5.260 min Scan# 565
Delta R.T. -0.030 min
Lab File: VN077146.D
Acq: 23 Mar 2023 13:53

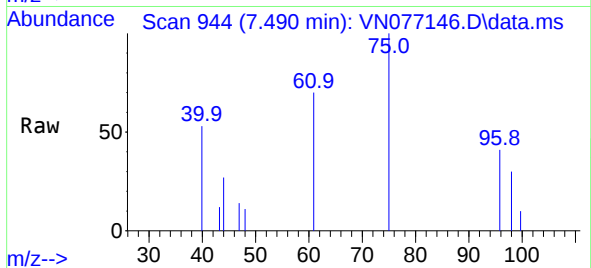
Tgt Ion: 84 Resp: 15122
Ion Ratio Lower Upper
84 100
49 116.9 103.8 155.6
51 36.2 32.3 48.5
86 63.5 49.9 74.9





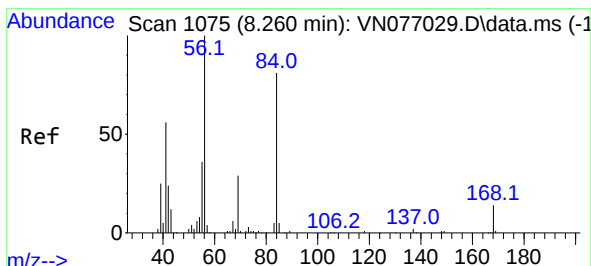
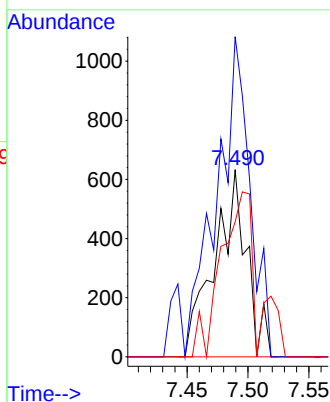
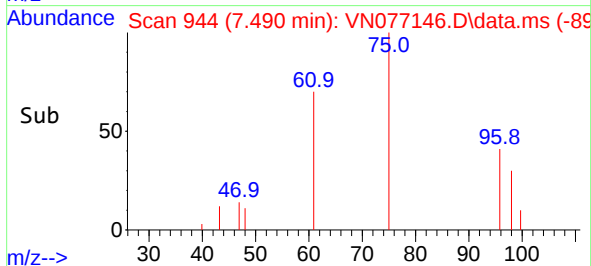
#27
 cis-1,2-Dichloroethene
 Concen: 0.206 ug/l
 RT: 7.490 min Scan# 94
 Delta R.T. -0.005 min
 Lab File: VN077146.D
 Acq: 23 Mar 2023 13:53

Instrument :
 MSVOA_N
 ClientSampleId :

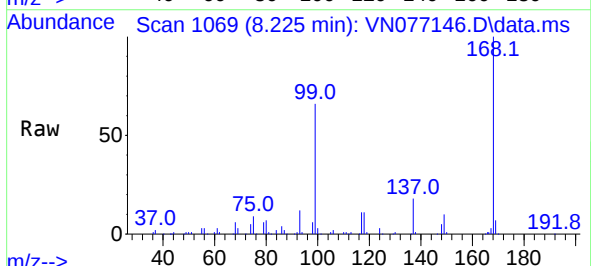


Tgt Ion: 96 Resp: 1152

Ion	Ratio	Lower	Upper
96	100		
61	179.1	0.0	315.4
98	88.5	0.0	128.6

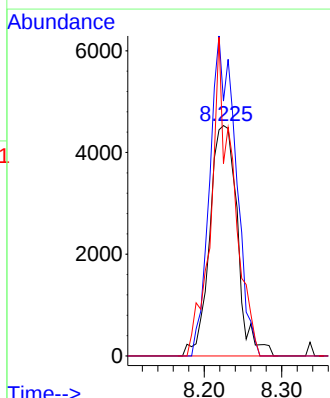
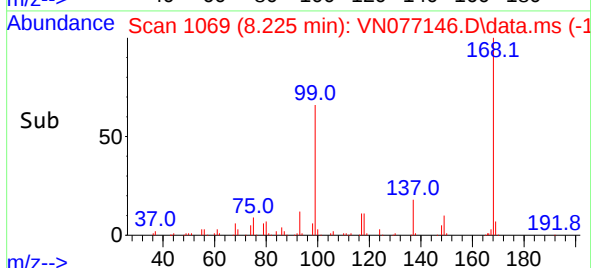


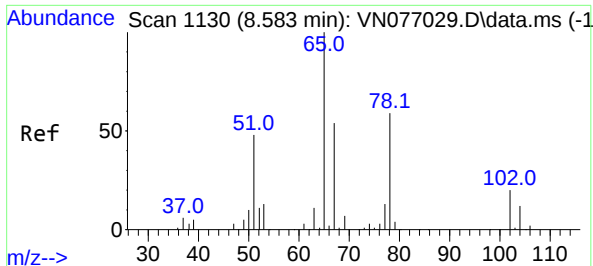
#31
 Cyclohexane
 Concen: 1.156 ug/l
 RT: 8.225 min Scan# 1069
 Delta R.T. -0.035 min
 Lab File: VN077146.D
 Acq: 23 Mar 2023 13:53



Tgt Ion: 56 Resp: 11220

Ion	Ratio	Lower	Upper
56	100		
69	110.6	22.8	34.2#
84	83.6	64.7	97.1

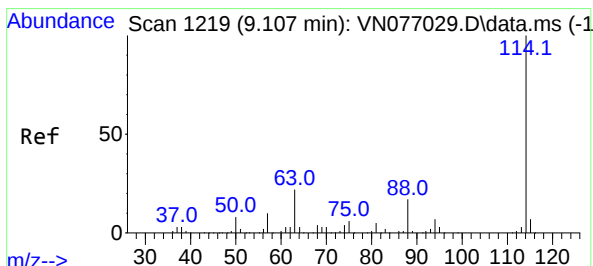
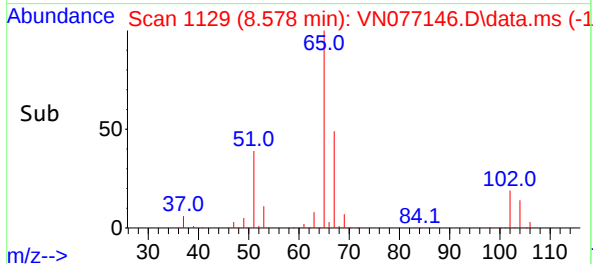
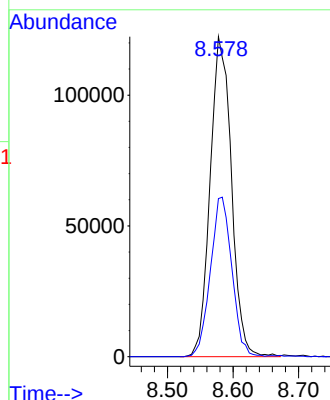
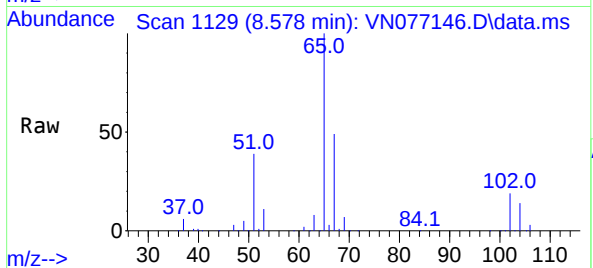




#33
 1,2-Dichloroethane-d4
 Concen: 46.443 ug/l
 RT: 8.578 min Scan# 1130
 Delta R.T. -0.005 min
 Lab File: VN077146.D
 Acq: 23 Mar 2023 13:53

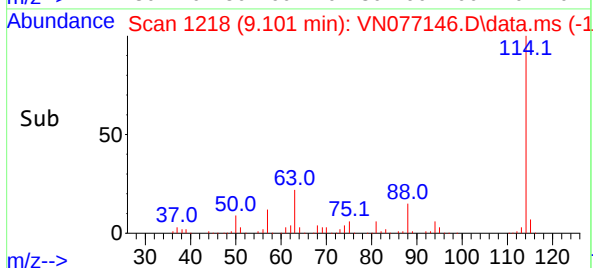
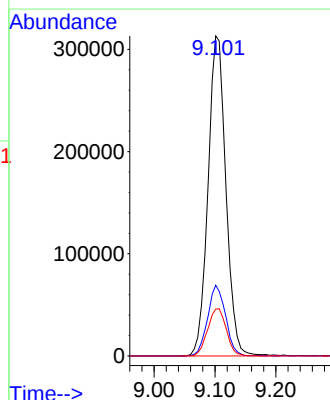
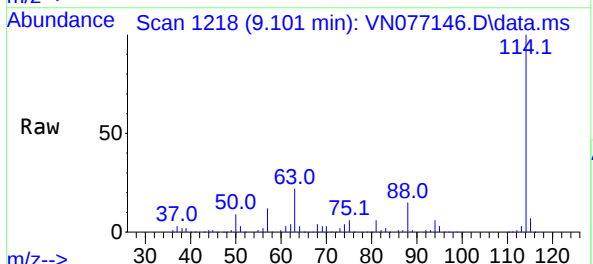
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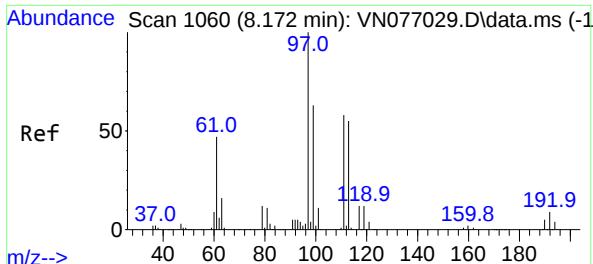
Tgt Ion: 65 Resp: 275622
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.101 min Scan# 1218
 Delta R.T. -0.006 min
 Lab File: VN077146.D
 Acq: 23 Mar 2023 13:53

Tgt Ion: 114 Resp: 638618
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 44.6
 88 14.7 0.0 33.8





#35

Dibromofluoromethane

Concen: 45.702 ug/l

RT: 8.166 min Scan# 1059

Delta R.T. -0.006 min

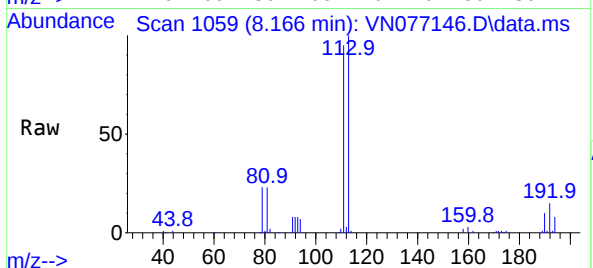
Lab File: VN077146.D

Acq: 23 Mar 2023 13:53

Instrument :

MSVOA_N

ClientSampleId :



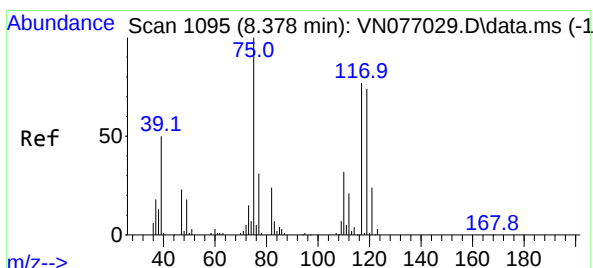
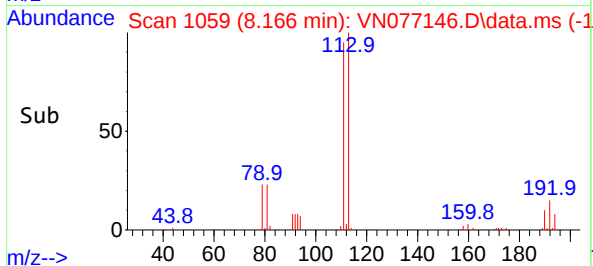
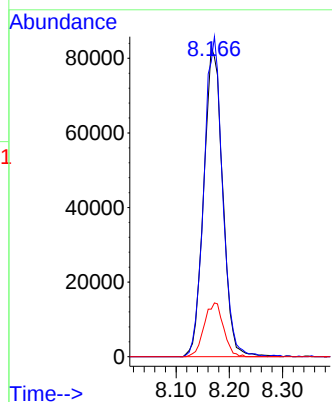
Tgt Ion:113 Resp: 204393

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.2

192 17.8 13.0 19.6



#36

1,1-Dichloropropene

Concen: 4.731 ug/l

RT: 8.225 min Scan# 1069

Delta R.T. -0.153 min

Lab File: VN077146.D

Acq: 23 Mar 2023 13:53

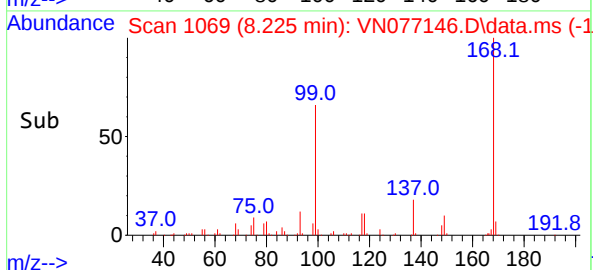
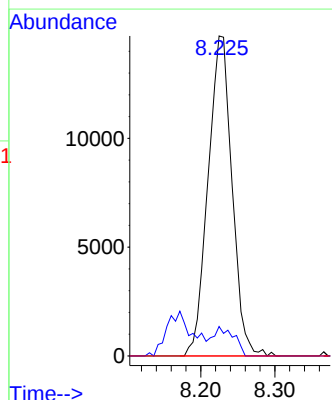
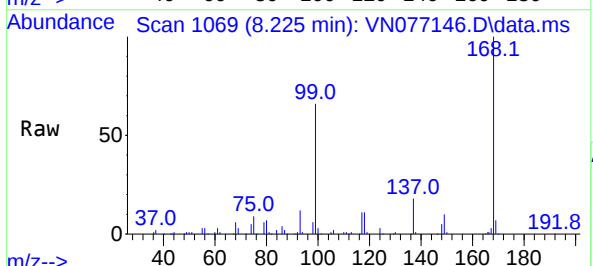
Tgt Ion: 75 Resp: 33049

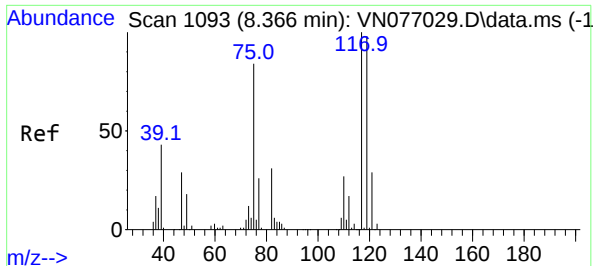
Ion Ratio Lower Upper

75 100

110 8.1 15.9 47.7#

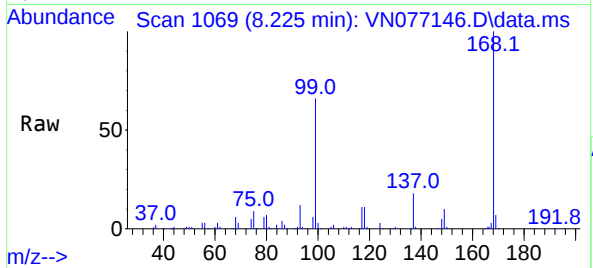
77 0.0 24.3 36.5#



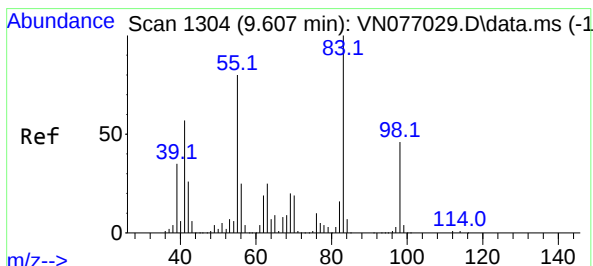
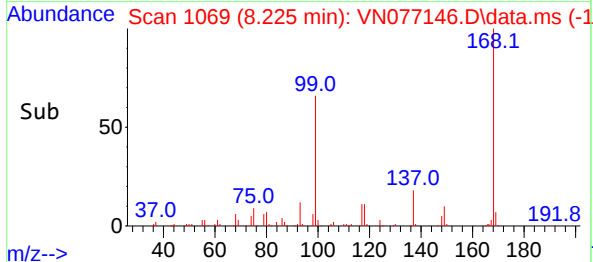
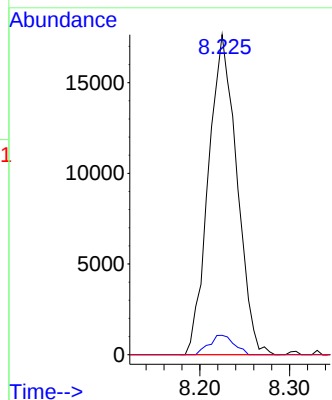


#38
Carbon Tetrachloride
Concen: 5.706 ug/l
RT: 8.225 min Scan# 117
Delta R.T. -0.141 min
Lab File: VN077146.D
Acq: 23 Mar 2023 13:53

Instrument :
MSVOA_N
ClientSampleId :

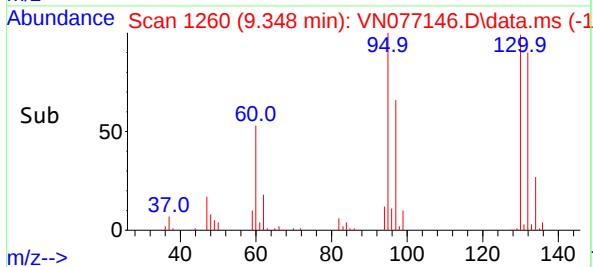
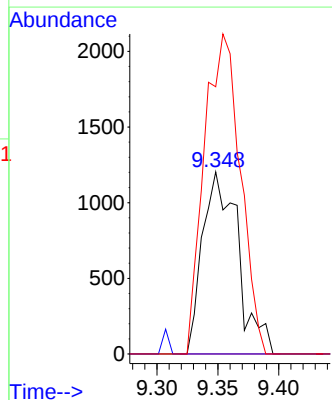
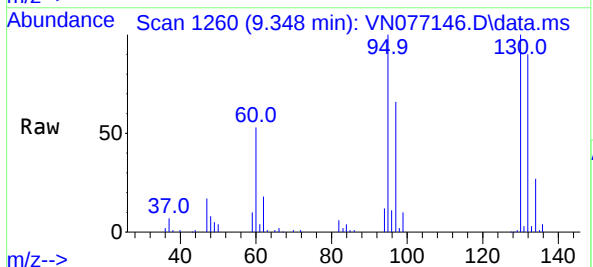


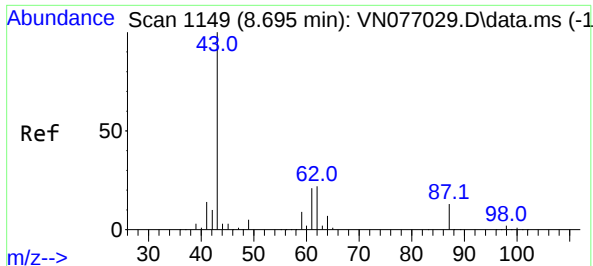
Tgt Ion:117 Resp: 38822
Ion Ratio Lower Upper
117 100
119 6.1 78.2 117.2#
121 0.0 23.2 34.8#



#39
Methylcyclohexane
Concen: 0.299 ug/l
RT: 9.348 min Scan# 1260
Delta R.T. -0.259 min
Lab File: VN077146.D
Acq: 23 Mar 2023 13:53

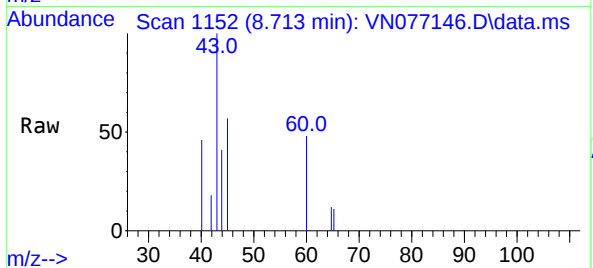
Tgt Ion: 83 Resp: 2448
Ion Ratio Lower Upper
83 100
55 0.0 63.8 95.8#
98 146.7 37.1 55.7#



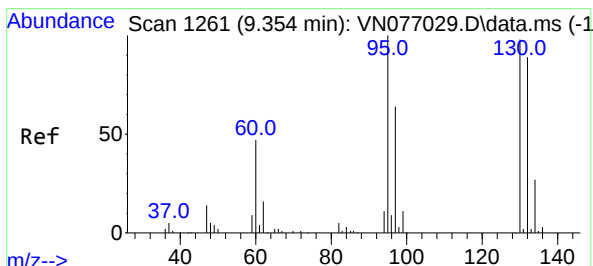
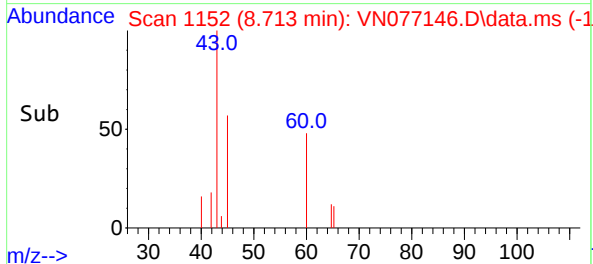
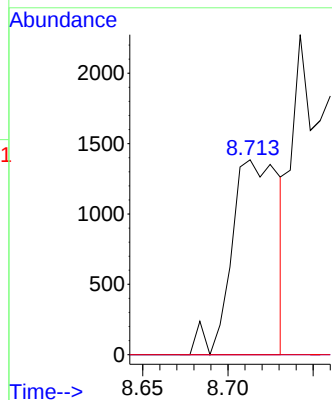


#43
Isopropyl Acetate
Concen: 0.232 ug/l
RT: 8.713 min Scan# 1152
Delta R.T. 0.018 min
Lab File: VN077146.D
Acq: 23 Mar 2023 13:53

Instrument :
MSVOA_N
ClientSampleId :

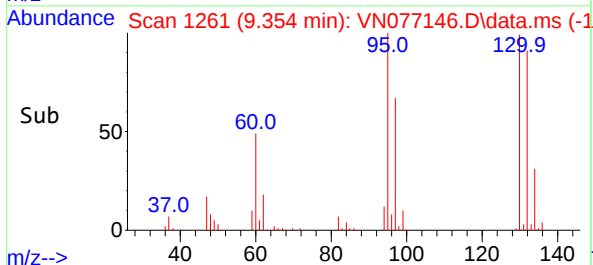
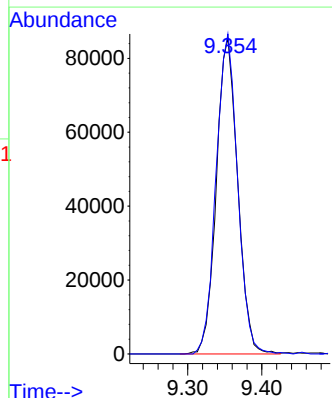
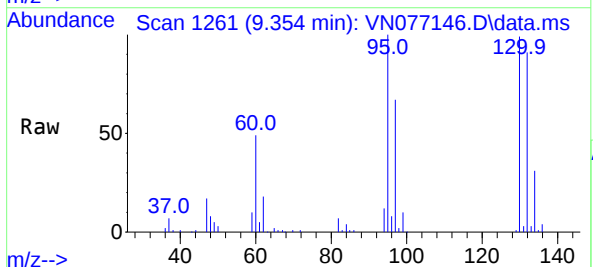


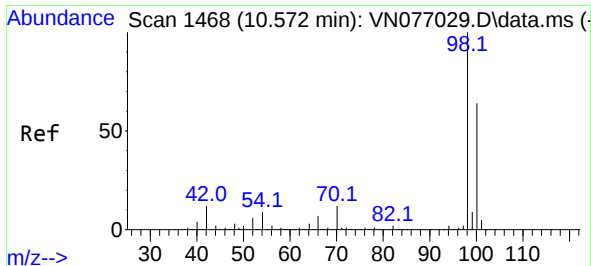
Tgt Ion: 43 Resp: 2706
Ion Ratio Lower Upper
43 100
61 0.0 20.6 30.8#
87 0.0 10.0 15.0#



#44
Trichloroethene
Concen: 35.115 ug/l
RT: 9.354 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VN077146.D
Acq: 23 Mar 2023 13:53

Tgt Ion: 130 Resp: 170872
Ion Ratio Lower Upper
130 100
95 101.3 0.0 204.4

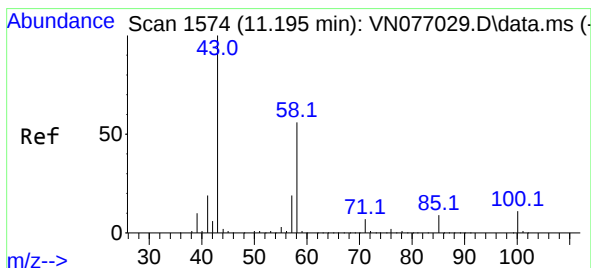
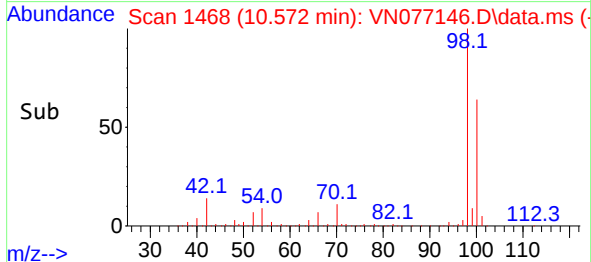
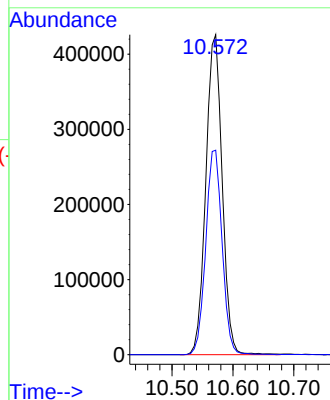
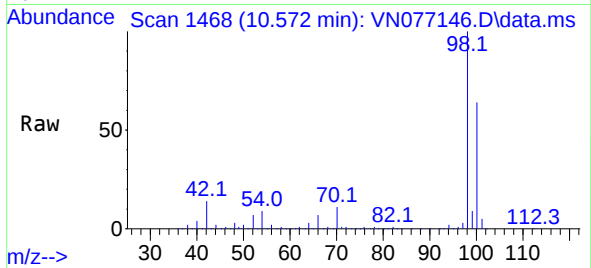




#50
Toluene-d8
Concen: 49.640 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VN077146.D
Acq: 23 Mar 2023 13:53

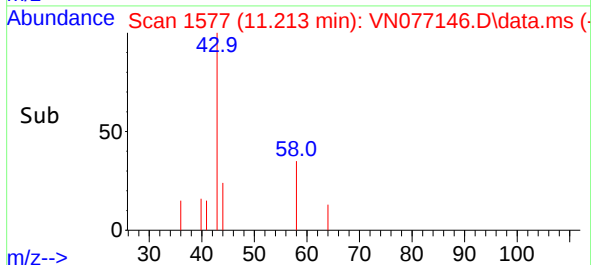
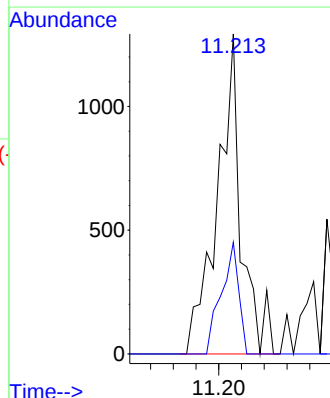
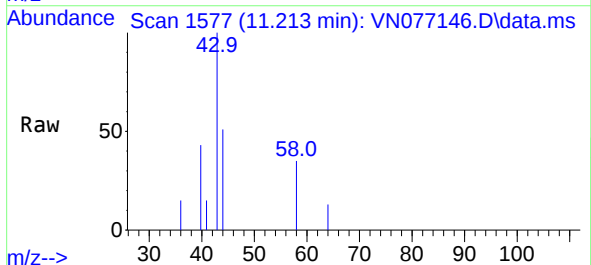
Instrument :
MSVOA_N
ClientSampleId :

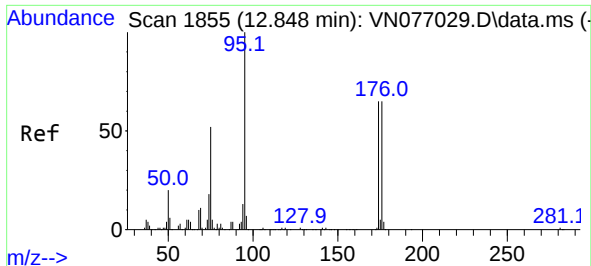
Tgt Ion: 98 Resp: 793036
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



#59
2-Hexanone
Concen: 0.357 ug/l
RT: 11.213 min Scan# 1577
Delta R.T. 0.018 min
Lab File: VN077146.D
Acq: 23 Mar 2023 13:53

Tgt Ion: 43 Resp: 1885
Ion Ratio Lower Upper
43 100
58 25.5 27.7 83.1#

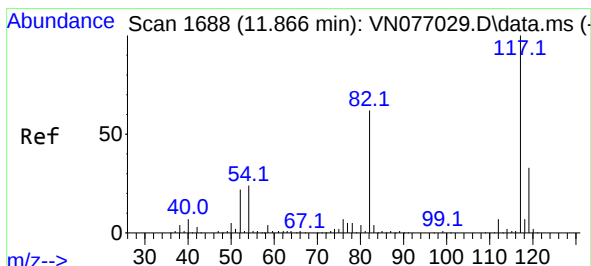
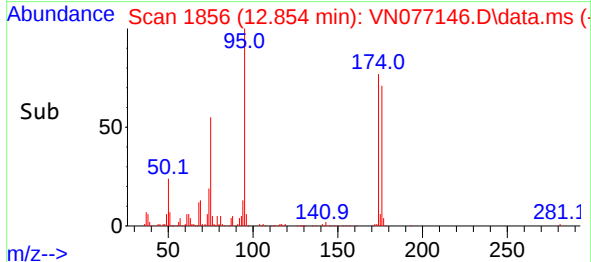
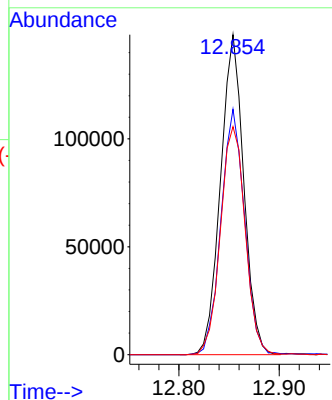
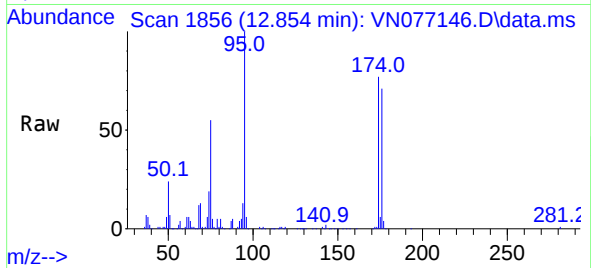




#62
4-Bromofluorobenzene
Concen: 42.197 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077146.D
Acq: 23 Mar 2023 13:53

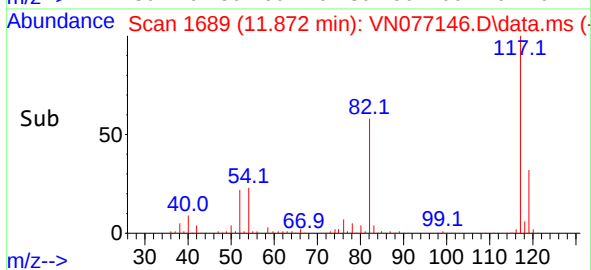
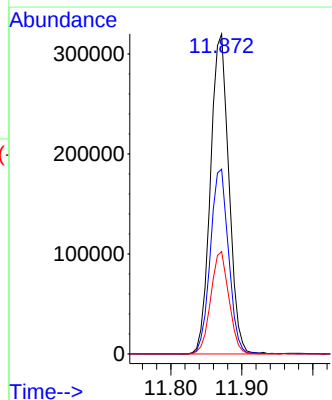
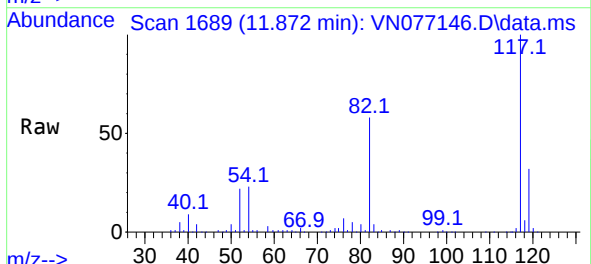
Instrument :
MSVOA_N
ClientSampleId :

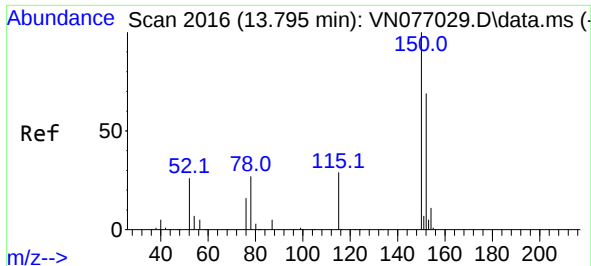
Tgt Ion: 95 Resp: 238211
Ion Ratio Lower Upper
95 100
174 78.0 0.0 136.6
176 75.8 0.0 130.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN077146.D
Acq: 23 Mar 2023 13:53

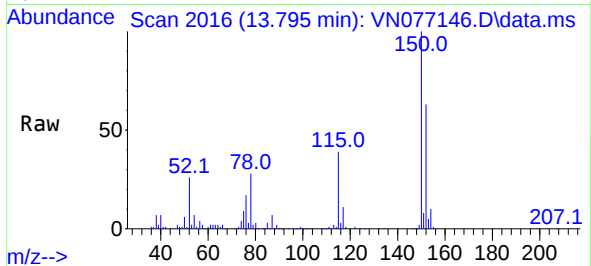
Tgt Ion: 117 Resp: 574764
Ion Ratio Lower Upper
117 100
82 57.8 49.4 74.0
119 32.0 26.5 39.7



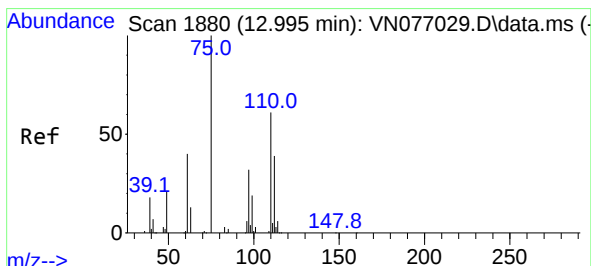
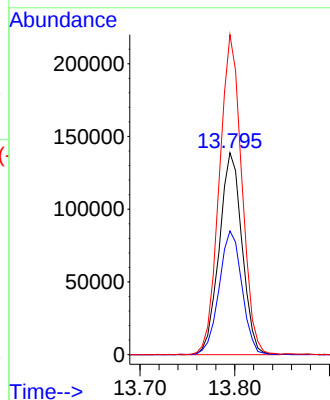
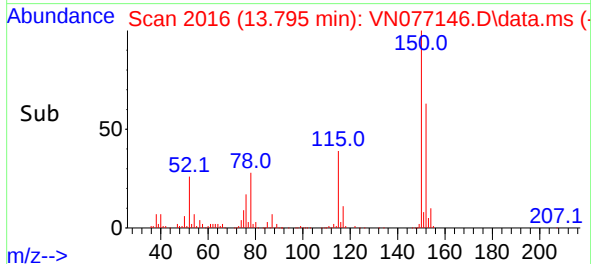


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.795 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN077146.D
 Acq: 23 Mar 2023 13:53

Instrument :
 MSVOA_N
 ClientSampleId :

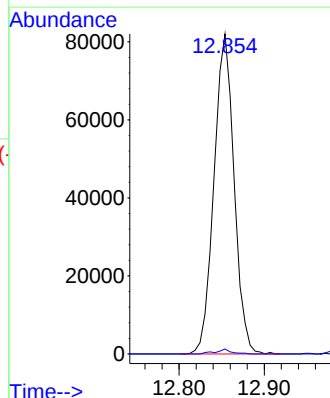
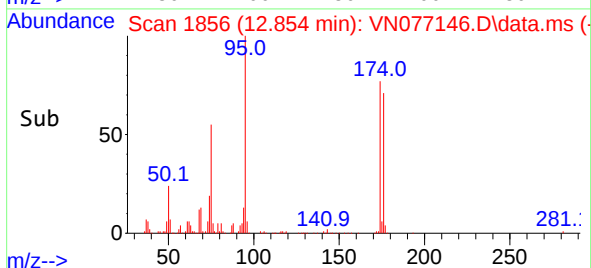
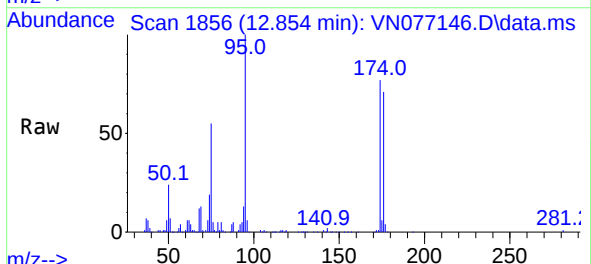


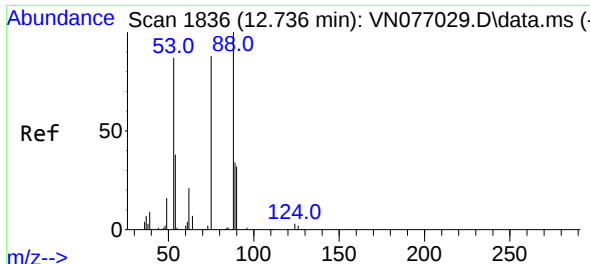
Tgt Ion:152 Resp: 232164
 Ion Ratio Lower Upper
 152 100
 115 61.6 31.9 95.7
 150 156.9 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 22.349 ug/l
 RT: 12.854 min Scan# 1856
 Delta R.T. -0.141 min
 Lab File: VN077146.D
 Acq: 23 Mar 2023 13:53

Tgt Ion: 75 Resp: 134213
 Ion Ratio Lower Upper
 75 100
 77 1.2 107.3 322.0#

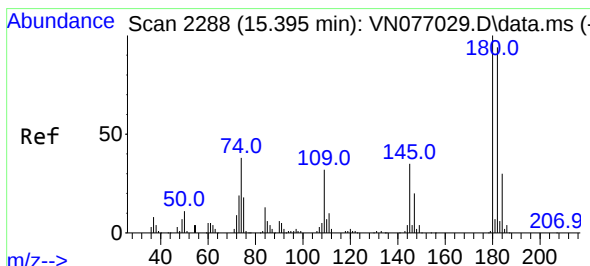
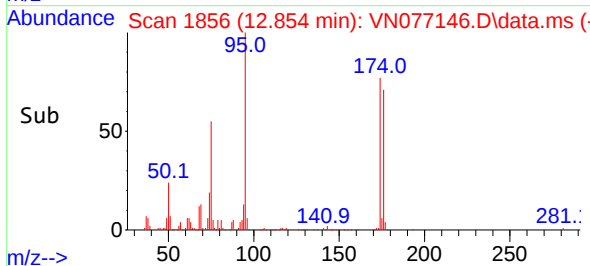
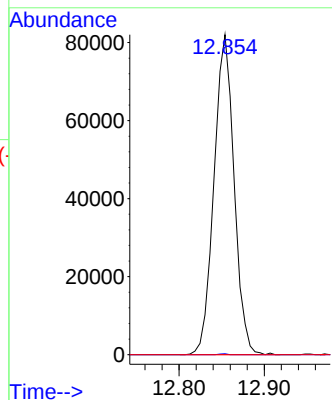
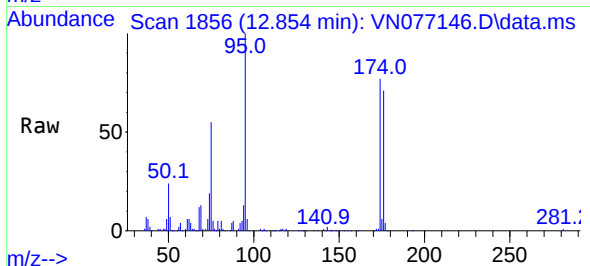




#81
trans-1,4-Dichloro-2-butene
Concen: 61.518 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN077146.D
Acq: 23 Mar 2023 13:53

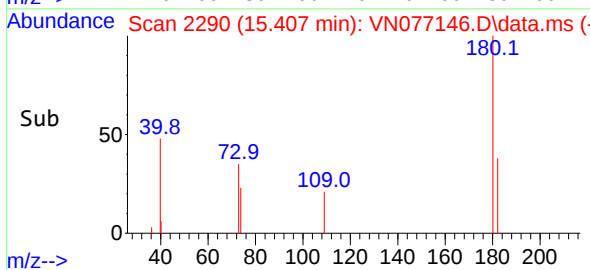
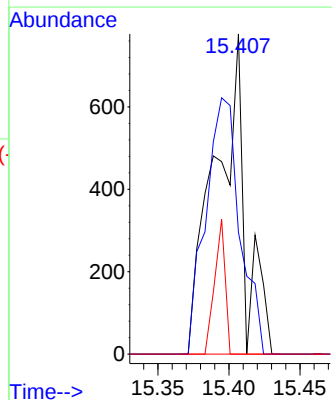
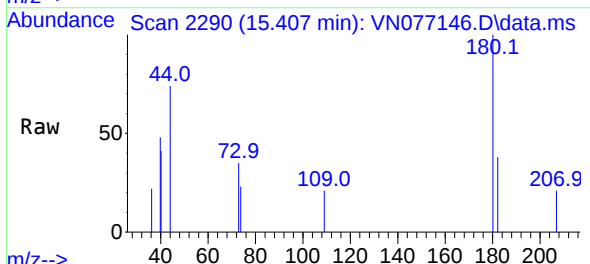
Instrument :
MSVOA_N
ClientSampleId :

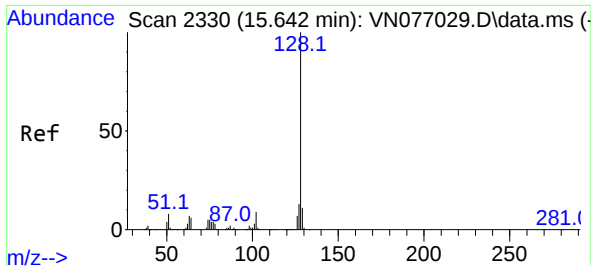
Tgt Ion: 75 Resp: 134213
Ion Ratio Lower Upper
75 100
53 0.1 80.8 121.2#
89 0.0 34.2 51.4#



#93
1,2,4-Trichlorobenzene
Concen: 0.288 ug/l
RT: 15.407 min Scan# 2290
Delta R.T. 0.012 min
Lab File: VN077146.D
Acq: 23 Mar 2023 13:53

Tgt Ion:180 Resp: 1142
Ion Ratio Lower Upper
180 100
182 90.9 47.3 141.9
145 14.7 16.9 50.7#

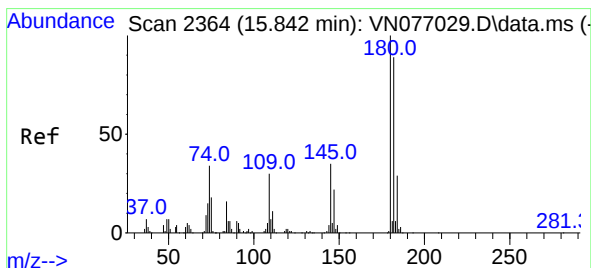
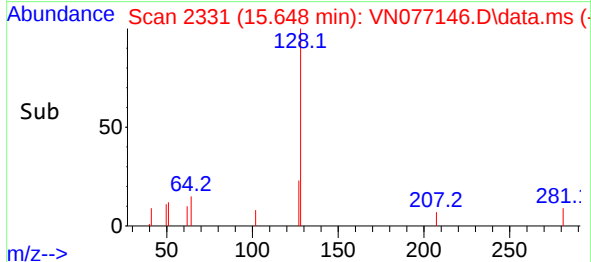
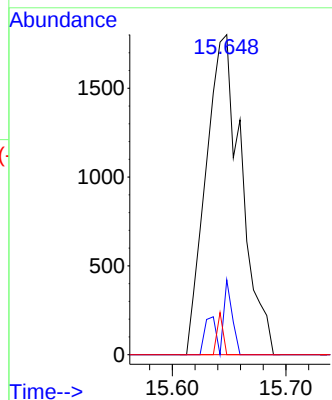
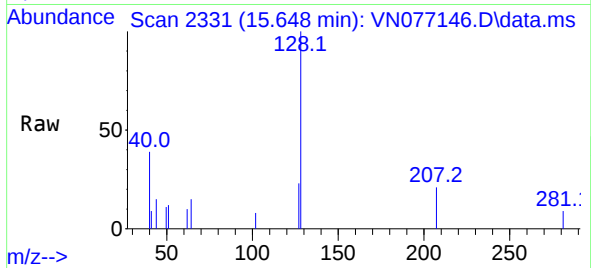




#95
Naphthalene
Concen: 2.156 ug/l
RT: 15.648 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN077146.D
Acq: 23 Mar 2023 13:53

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 3917
Ion Ratio Lower Upper
128 100
127 5.5 10.0 15.0#
129 2.1 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.286 ug/l
RT: 15.848 min Scan# 2365
Delta R.T. 0.006 min
Lab File: VN077146.D
Acq: 23 Mar 2023 13:53

Tgt Ion:180 Resp: 1139
Ion Ratio Lower Upper
180 100
182 77.6 47.4 142.2
145 16.2 17.9 53.8#

