

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032223\
 Data File : VN077134.D
 Acq On : 23 Mar 2023 07:48
 Operator : JC\MD
 Sample : PB151586ZHE010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 23 09:30:40 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)

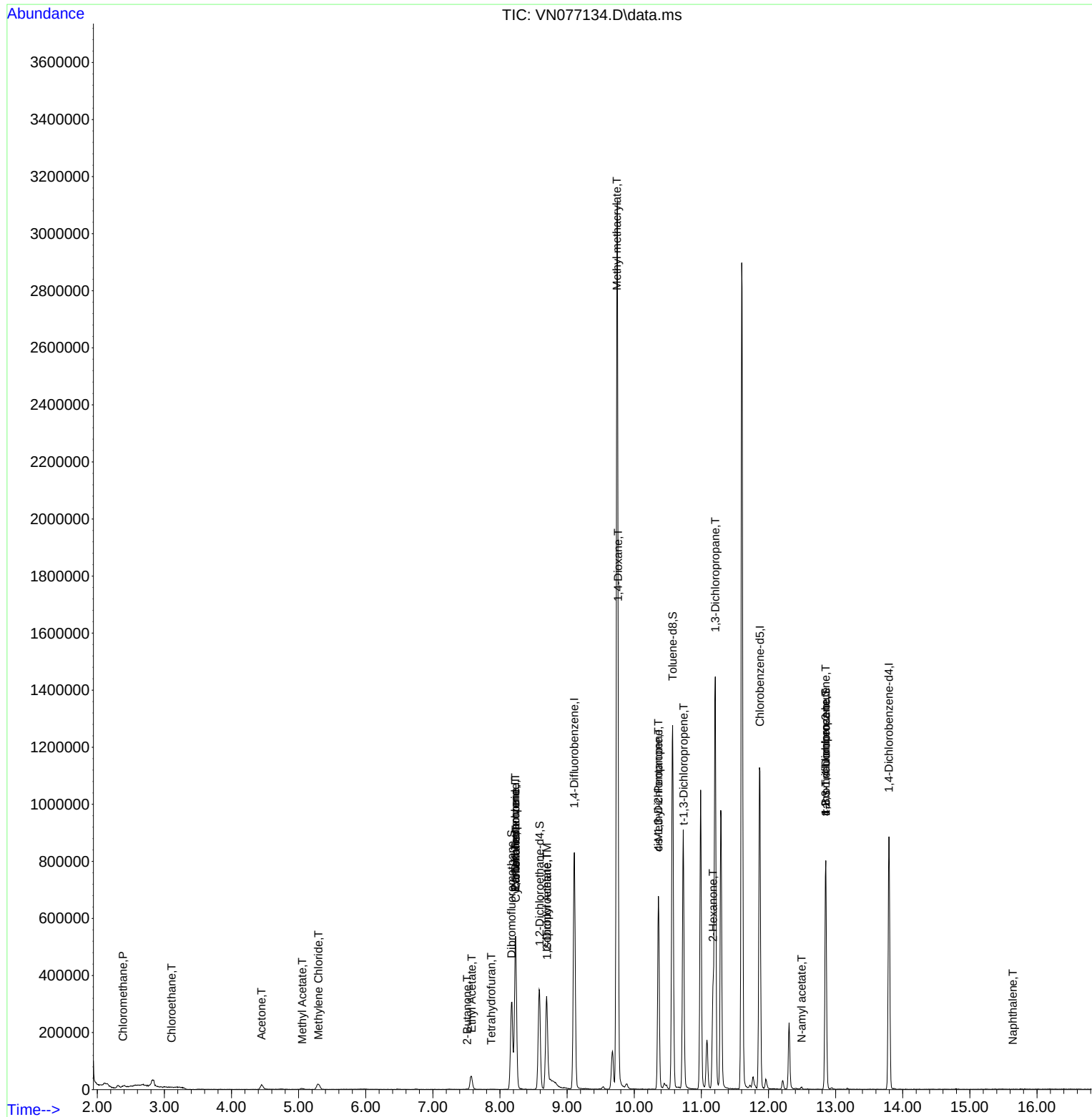
Internal Standards						
1) Pentafluorobenzene	8.231	168	369906	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	679964	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	618850	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	223934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	287388	48.639	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.280%		
35) Dibromofluoromethane	8.172	113	218715	45.930	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.860%		
50) Toluene-d8	10.572	98	852416	50.113	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.220%		
62) 4-Bromofluorobenzene	12.854	95	256033	42.596	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.200%		
Target Compounds					Qvalue	
3) Chloromethane	2.384	50	896	0.240	ug/l #	43
6) Chloroethane	3.107	64	633	0.249	ug/l #	42
16) Acetone	4.449	43	31200	11.851	ug/l	95
18) Methyl Acetate	5.054	43	7672	0.773	ug/l #	80
20) Methylene Chloride	5.295	84	14301	2.503	ug/l	97
25) 2-Butanone	7.513	43	2718	0.706	ug/l #	49
29) Tetrahydrofuran	7.872	42	648	0.260	ug/l #	42
31) Cyclohexane	8.236	56	10867	1.124	ug/l #	8
36) 1,1-Dichloropropene	8.231	75	33749	4.538	ug/l #	51
37) Ethyl Acetate	7.578	43	75588	9.499	ug/l #	90
38) Carbon Tetrachloride	8.231	117	40308	5.564	ug/l #	15
42) 1,2-Dichloroethane	8.701	62	1985	0.244	ug/l #	76
43) Isopropyl Acetate	8.695	43	393929	31.689	ug/l #	84
48) Methyl methacrylate	9.742	41	298041	50.150	ug/l #	45
49) 1,4-Dioxane	9.760	88	482	4.749	ug/l #	1
51) 4-Methyl-2-Pentanone	10.360	43	256333	33.113	ug/l #	46
53) t-1,3-Dichloropropene	10.736	75	1889	0.243	ug/l #	43
54) cis-1,3-Dichloropropene	10.360	75	106941	12.204	ug/l #	76
57) 1,3-Dichloropropane	11.207	76	13467	1.385	ug/l #	43
59) 2-Hexanone	11.172	43	293254	52.228	ug/l #	24
74) N-amyl acetate	12.495	43	3238	0.373	ug/l #	48
76) 1,2,3-Trichloropropane	12.854	75	146103	25.223	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	146103	69.429	ug/l #	10
95) Naphthalene	15.642	128	434	1.940	ug/l #	70

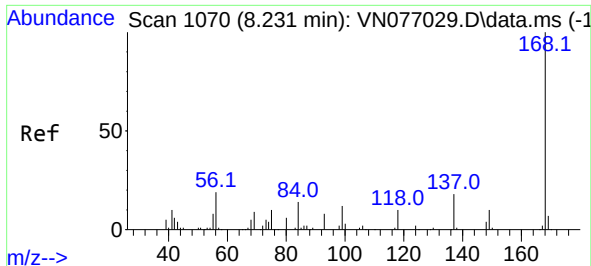
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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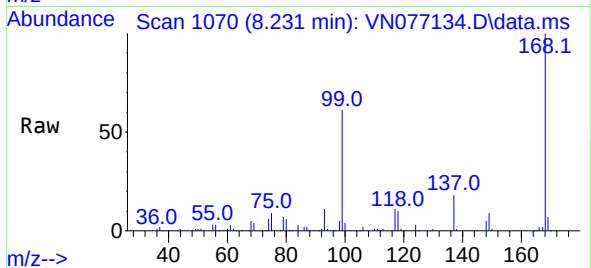
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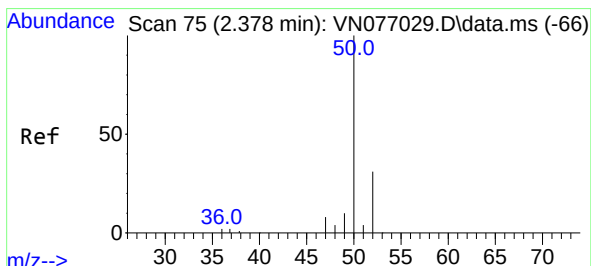
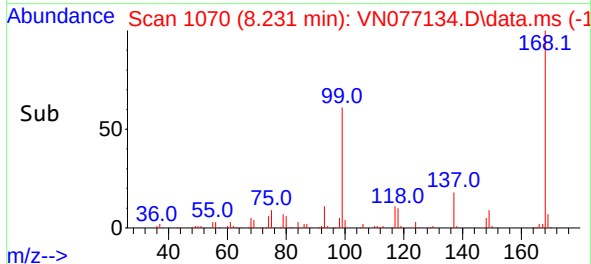
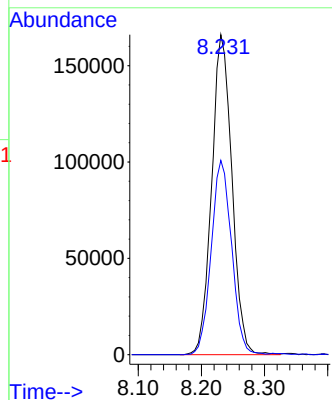


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077134.D
Acq: 23 Mar 2023 07:48

Instrument :
MSVOA_N
ClientSampleId :

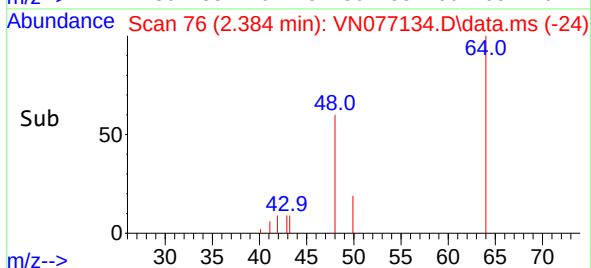
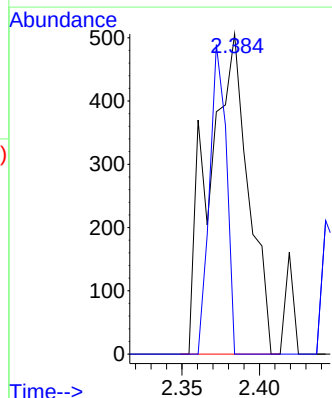
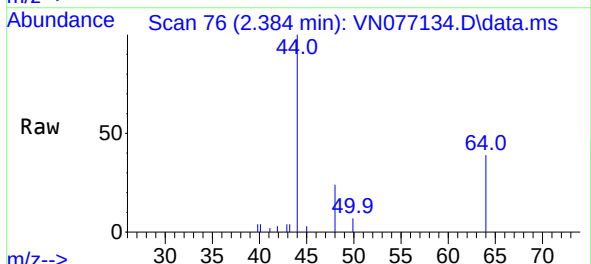


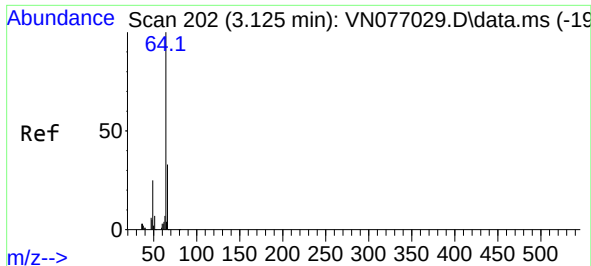
Tgt Ion:168 Resp: 369906
Ion Ratio Lower Upper
168 100
99 60.7 53.9 80.9



#3
Chloromethane
Concen: 0.240 ug/l
RT: 2.384 min Scan# 76
Delta R.T. 0.006 min
Lab File: VN077134.D
Acq: 23 Mar 2023 07:48

Tgt Ion: 50 Resp: 896
Ion Ratio Lower Upper
50 100
52 0.0 25.1 37.7#

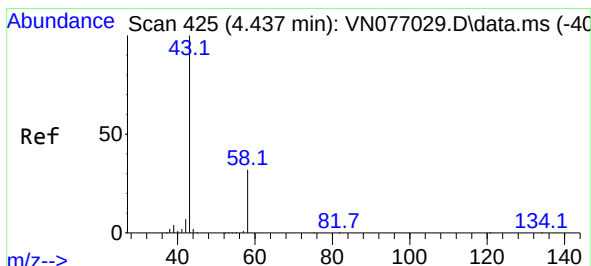
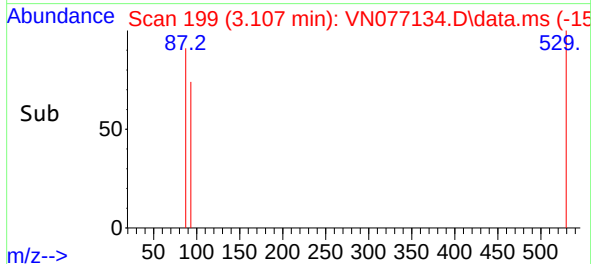
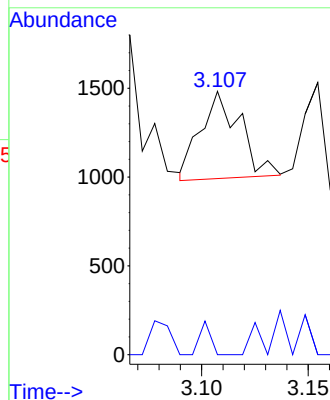
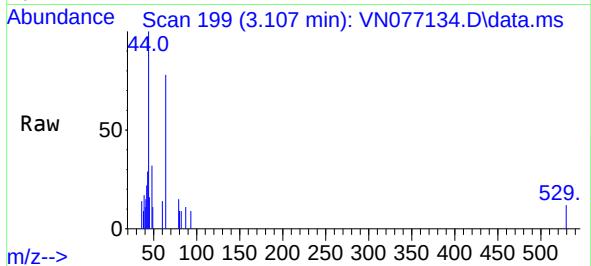




#6
Chloroethane
Concen: 0.249 ug/l
RT: 3.107 min Scan# 199
Delta R.T. -0.018 min
Lab File: VN077134.D
Acq: 23 Mar 2023 07:48

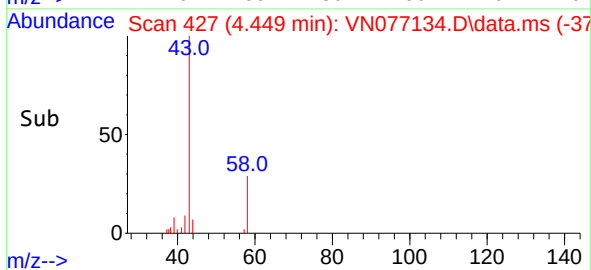
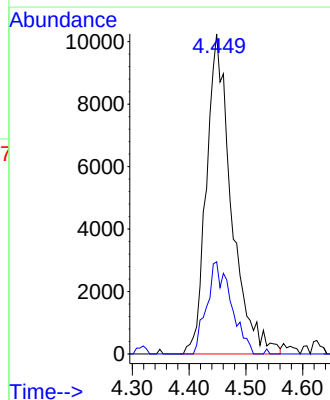
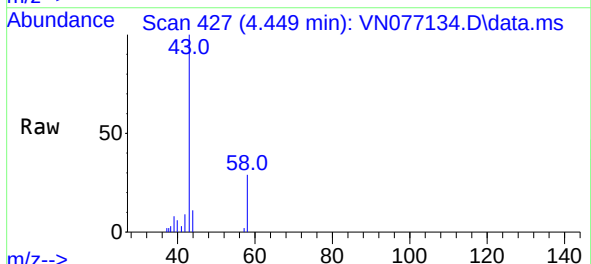
Instrument :
MSVOA_N
ClientSampleId :

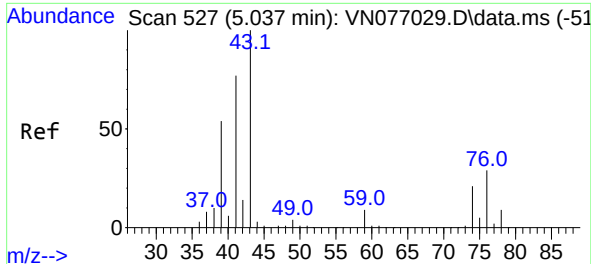
Tgt Ion: 64 Resp: 633
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#



#16
Acetone
Concen: 11.851 ug/l
RT: 4.449 min Scan# 427
Delta R.T. 0.011 min
Lab File: VN077134.D
Acq: 23 Mar 2023 07:48

Tgt Ion: 43 Resp: 31200
Ion Ratio Lower Upper
43 100
58 28.8 25.4 38.0





#18

Methyl Acetate

Concen: 0.773 ug/l

RT: 5.054 min Scan# 51

Delta R.T. 0.017 min

Lab File: VN077134.D

Acq: 23 Mar 2023 07:48

Instrument :

MSVOA_N

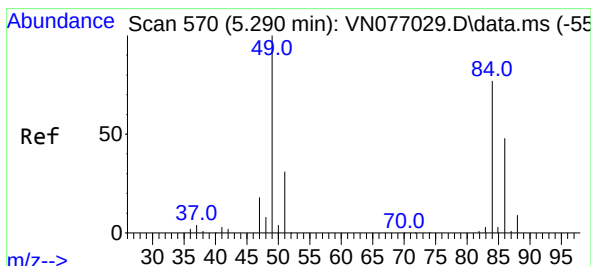
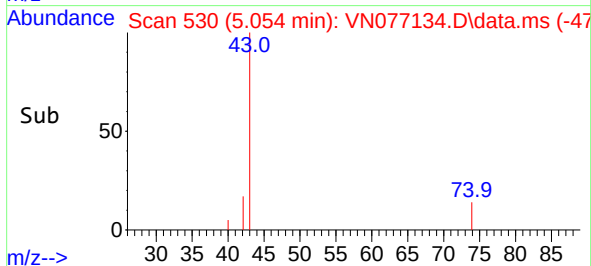
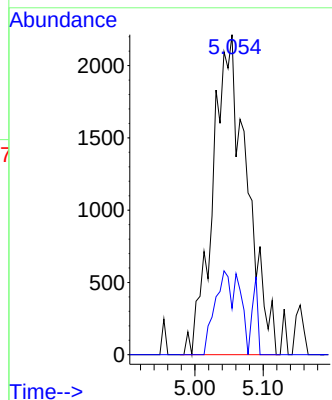
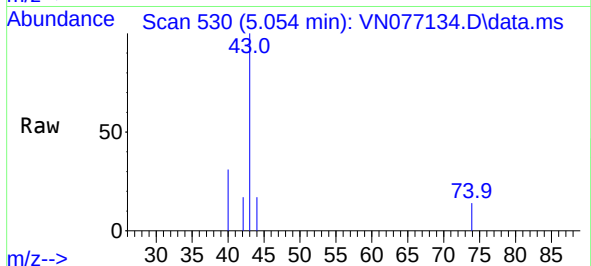
ClientSampleId :

Tgt Ion: 43 Resp: 7672

Ion Ratio Lower Upper

43 100

74 12.6 17.7 26.5#



#20

Methylene Chloride

Concen: 2.503 ug/l

RT: 5.295 min Scan# 571

Delta R.T. 0.005 min

Lab File: VN077134.D

Acq: 23 Mar 2023 07:48

Tgt Ion: 84 Resp: 14301

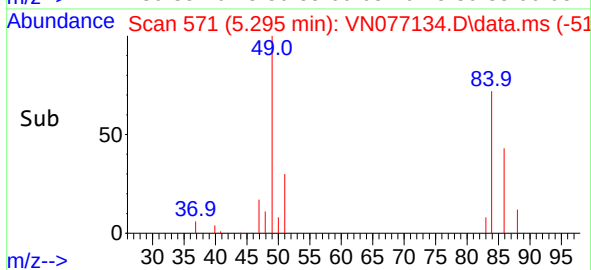
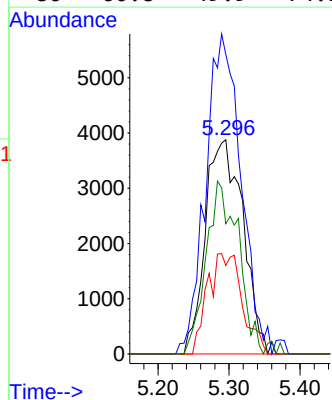
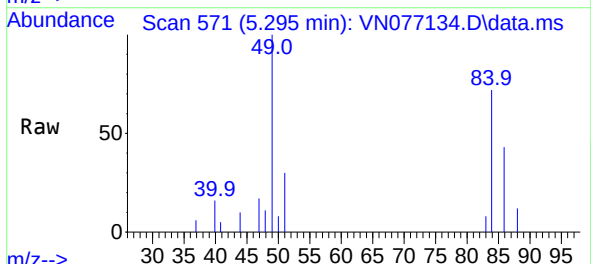
Ion Ratio Lower Upper

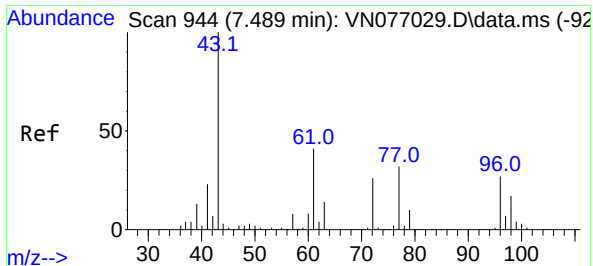
84 100

49 134.9 103.8 155.6

51 41.3 32.3 48.5

86 60.8 49.9 74.9

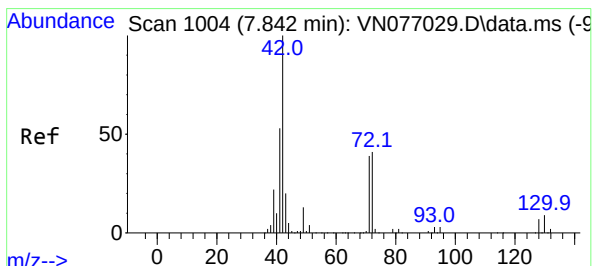
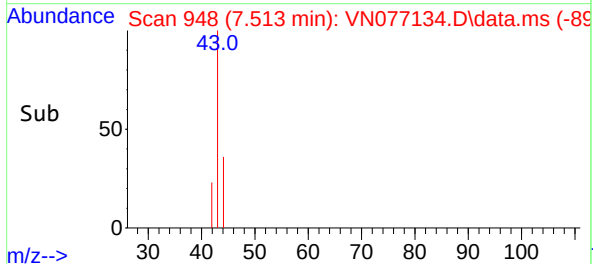
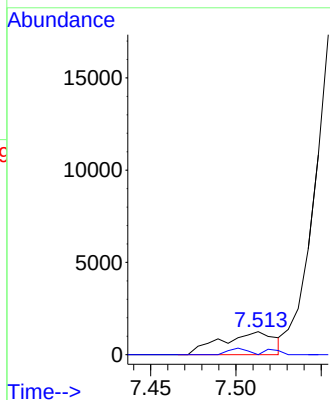
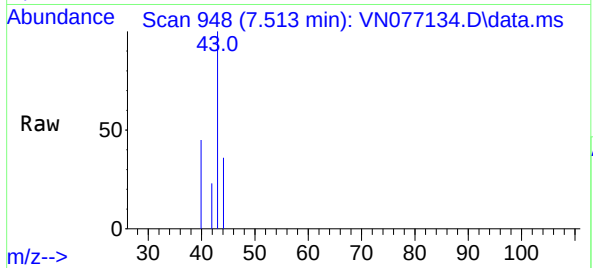




#25
2-Butanone
Concen: 0.706 ug/l
RT: 7.513 min Scan# 944
Delta R.T. 0.024 min
Lab File: VN077134.D
Acq: 23 Mar 2023 07:48

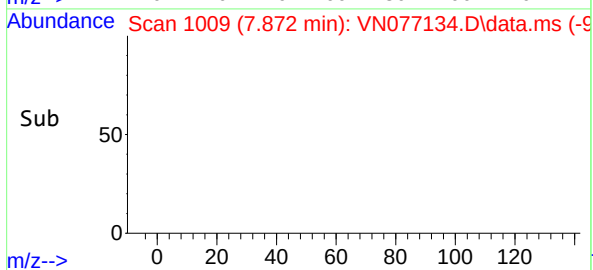
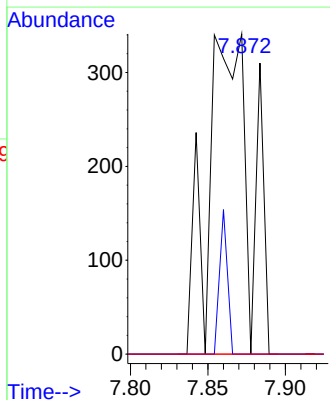
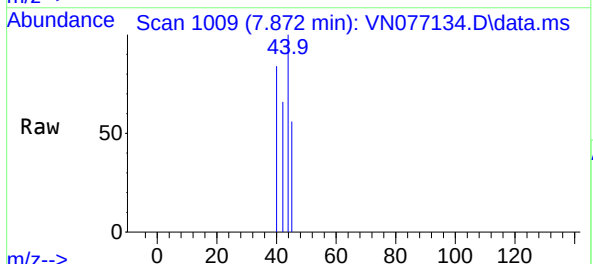
Instrument :
MSVOA_N
ClientSampleId :

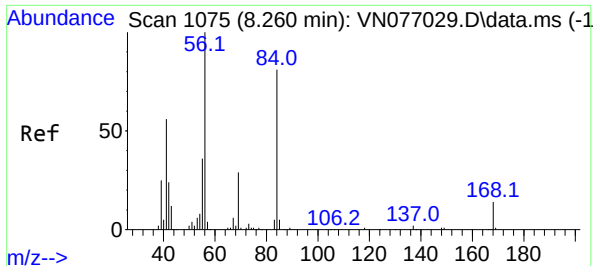
Tgt Ion: 43 Resp: 2718
Ion Ratio Lower Upper
43 100
72 0.0 20.7 31.1#



#29
Tetrahydrofuran
Concen: 0.260 ug/l
RT: 7.872 min Scan# 1009
Delta R.T. 0.030 min
Lab File: VN077134.D
Acq: 23 Mar 2023 07:48

Tgt Ion: 42 Resp: 648
Ion Ratio Lower Upper
42 100
72 8.3 33.2 49.8#
71 0.0 31.0 46.4#





#31

Cyclohexane

Concen: 1.124 ug/l

RT: 8.236 min Scan# 1075

Delta R.T. -0.024 min

Lab File: VN077134.D

Acq: 23 Mar 2023 07:48

Instrument :

MSVOA_N

ClientSampleId :

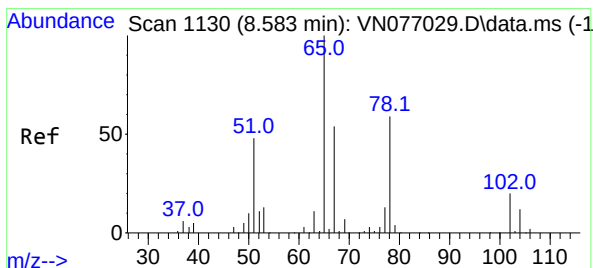
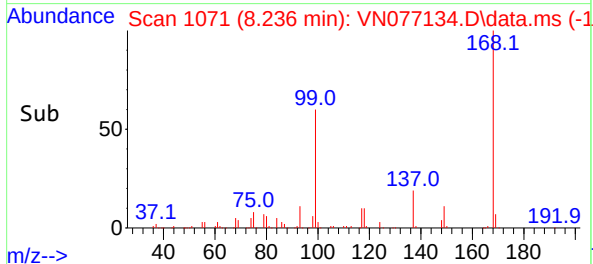
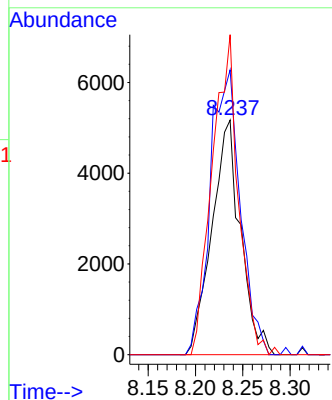
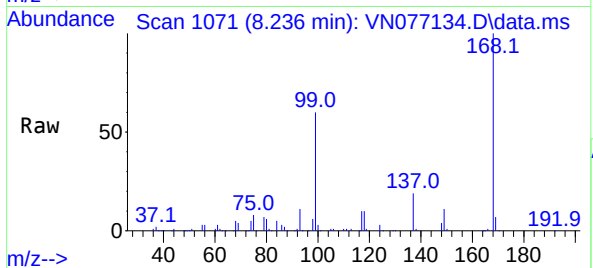
Tgt Ion: 56 Resp: 10867

Ion Ratio Lower Upper

56 100

69 121.4 22.8 34.2#

84 136.4 64.7 97.1#



#33

1,2-Dichloroethane-d4

Concen: 48.639 ug/l

RT: 8.589 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN077134.D

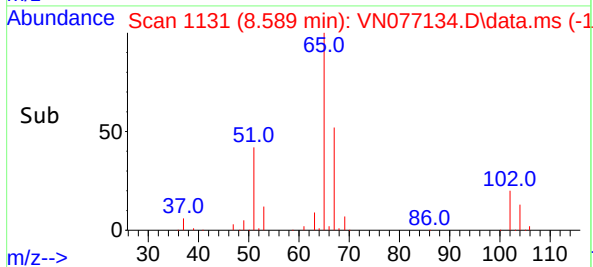
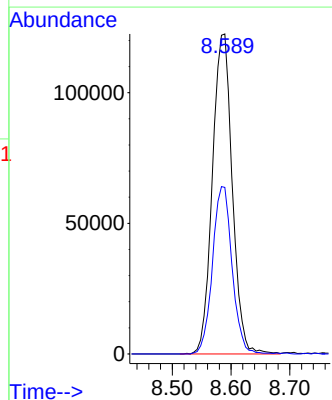
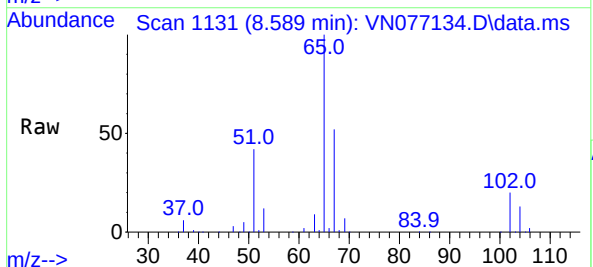
Acq: 23 Mar 2023 07:48

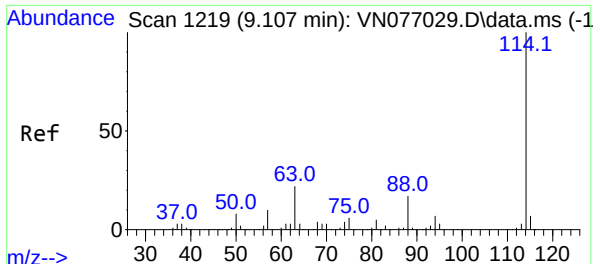
Tgt Ion: 65 Resp: 287388

Ion Ratio Lower Upper

65 100

67 51.5 0.0 105.2

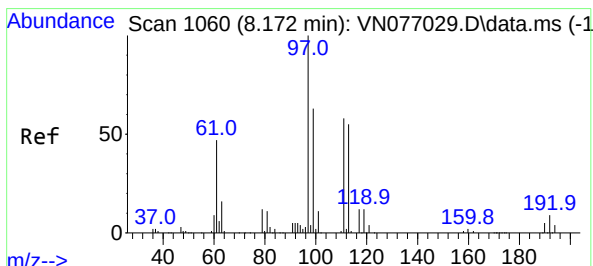
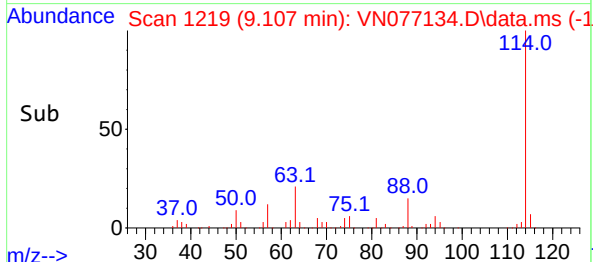
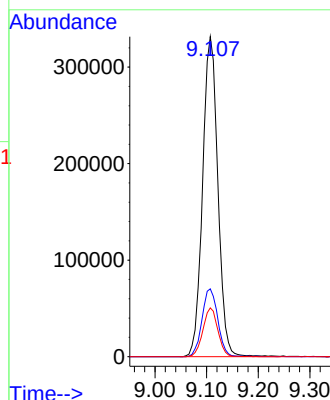
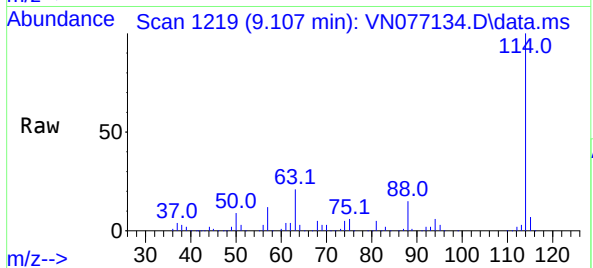




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077134.D
Acq: 23 Mar 2023 07:48

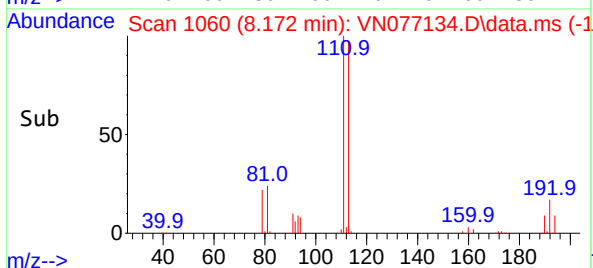
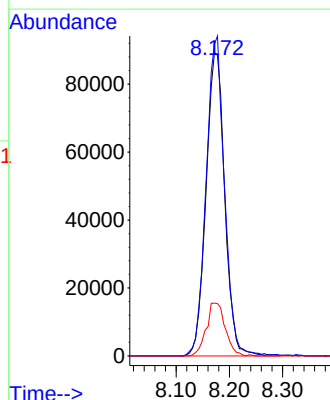
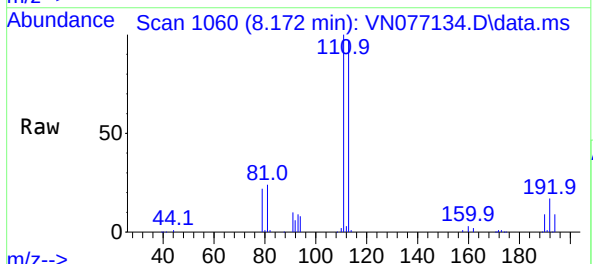
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ClientSampleId :

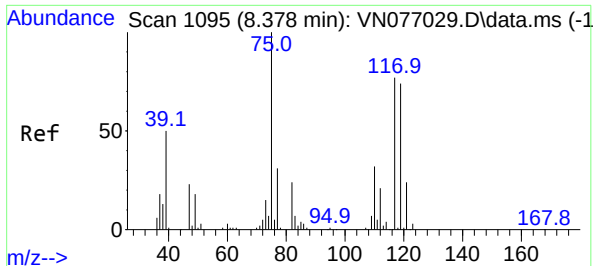
Tgt Ion:114 Resp: 679964
Ion Ratio Lower Upper
114 100
63 21.2 0.0 44.6
88 15.2 0.0 33.8



#35
Dibromofluoromethane
Concen: 45.930 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VN077134.D
Acq: 23 Mar 2023 07:48

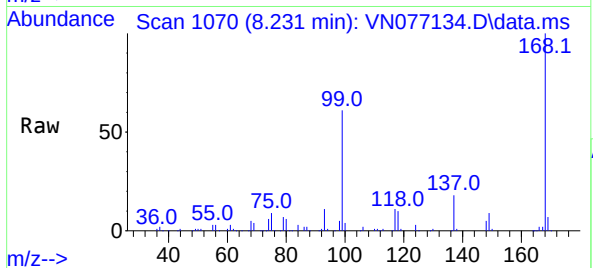
Tgt Ion:113 Resp: 218715
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 17.6 13.0 19.6



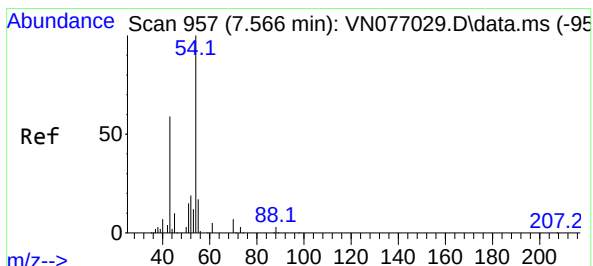
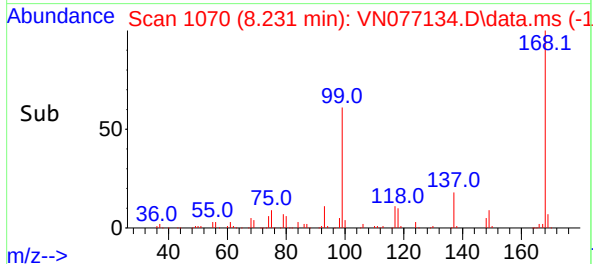
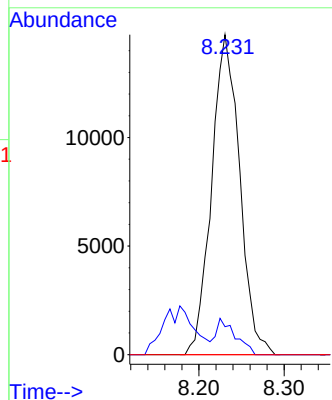


#36
1,1-Dichloropropene
Concen: 4.538 ug/l
RT: 8.231 min Scan# 1095
Delta R.T. -0.147 min
Lab File: VN077134.D
Acq: 23 Mar 2023 07:48

Instrument :
MSVOA_N
ClientSampleId :

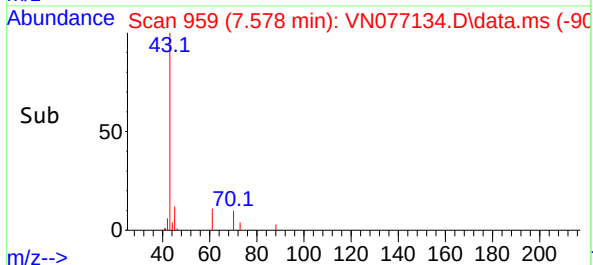
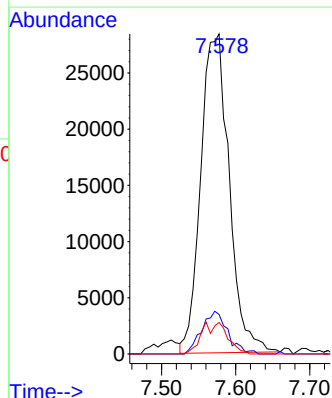
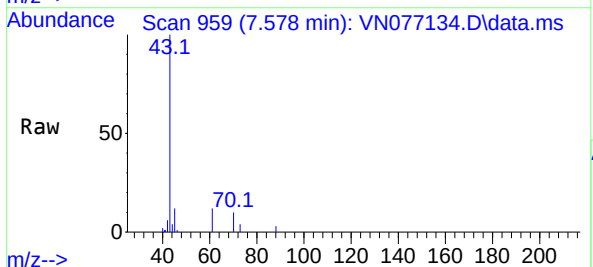


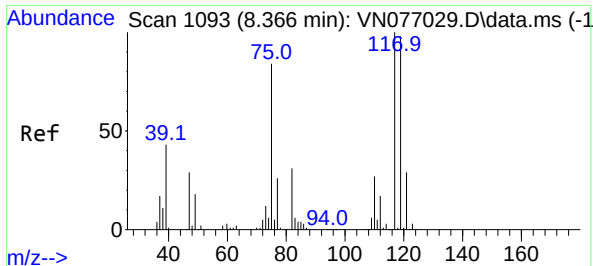
Tgt Ion: 75 Resp: 33749
Ion Ratio Lower Upper
75 100
110 7.8 15.9 47.7#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 9.499 ug/l
RT: 7.578 min Scan# 959
Delta R.T. 0.012 min
Lab File: VN077134.D
Acq: 23 Mar 2023 07:48

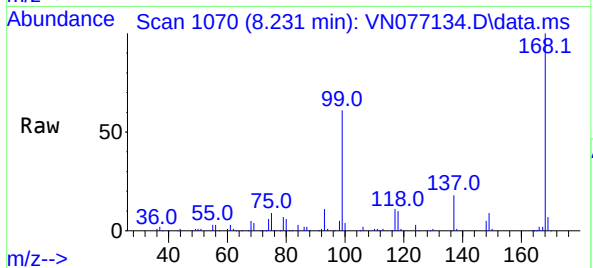
Tgt Ion: 43 Resp: 75588
Ion Ratio Lower Upper
43 100
61 12.3 11.0 16.6
70 3.9 8.4 12.6#



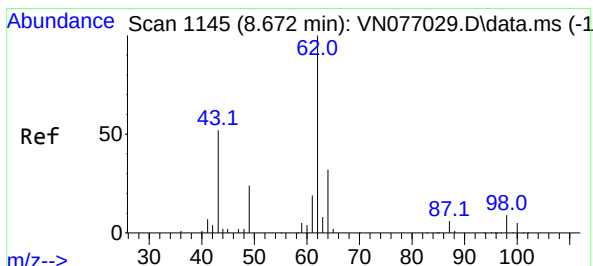
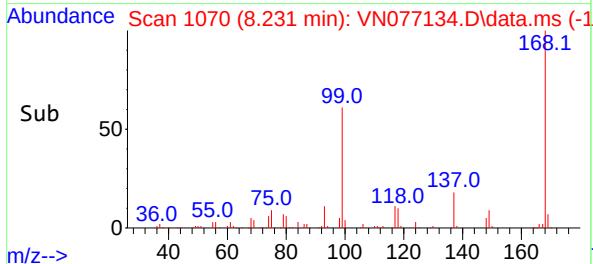
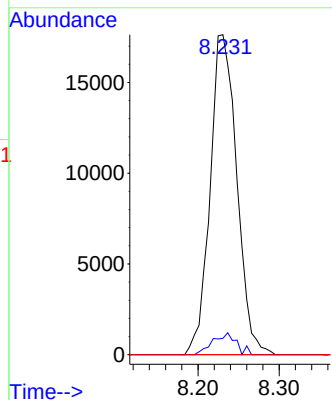


#38
Carbon Tetrachloride
Concen: 5.564 ug/l
RT: 8.231 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN077134.D
Acq: 23 Mar 2023 07:48

Instrument :
MSVOA_N
ClientSampleId :

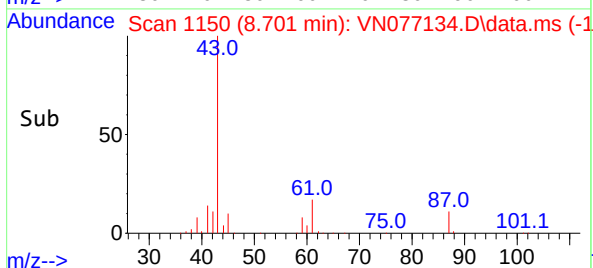
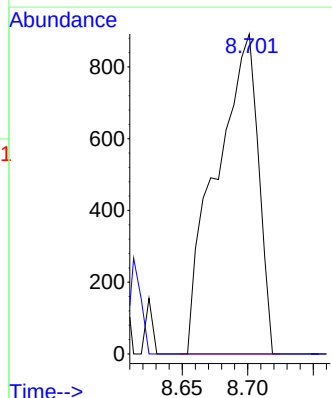
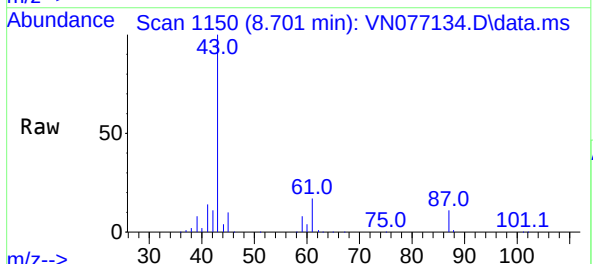


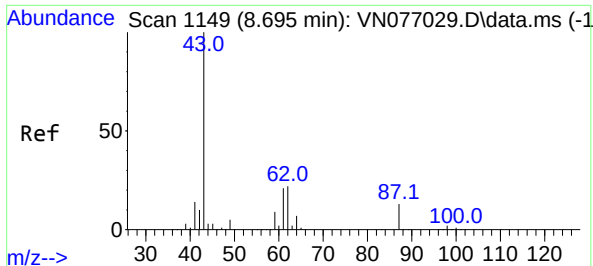
Tgt Ion:117 Resp: 40308
Ion Ratio Lower Upper
117 100
119 5.1 78.2 117.2#
121 0.0 23.2 34.8#



#42
1,2-Dichloroethane
Concen: 0.244 ug/l
RT: 8.701 min Scan# 1150
Delta R.T. 0.029 min
Lab File: VN077134.D
Acq: 23 Mar 2023 07:48

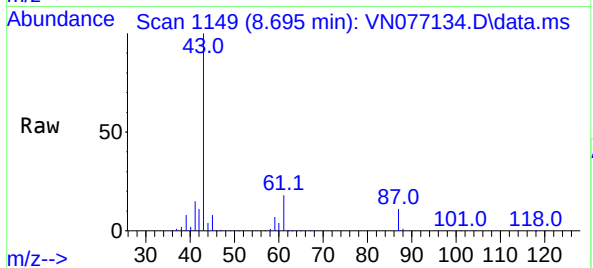
Tgt Ion: 62 Resp: 1985
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.4



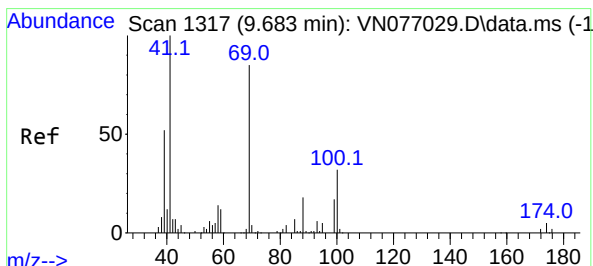
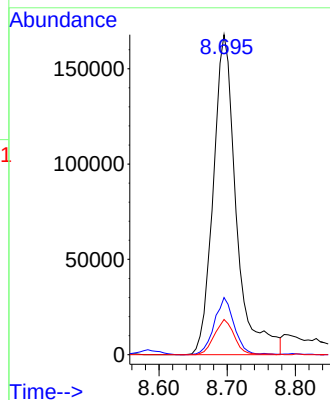
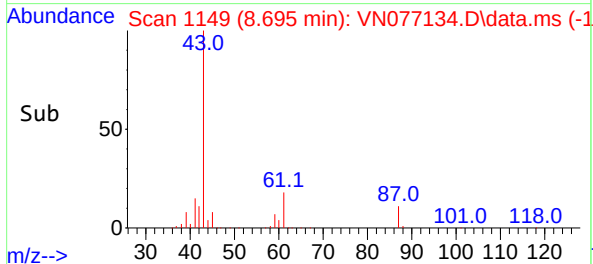


#43
Isopropyl Acetate
Concen: 31.689 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077134.D
Acq: 23 Mar 2023 07:48

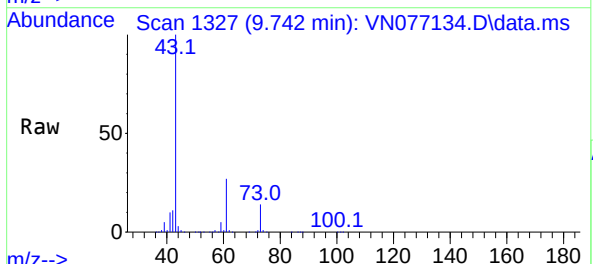
Instrument :
MSVOA_N
ClientSampleId :



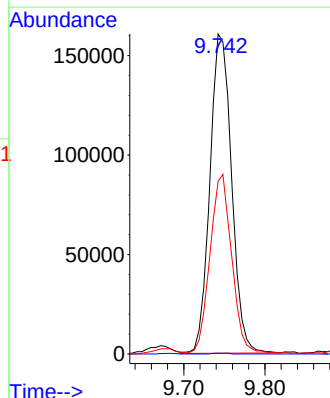
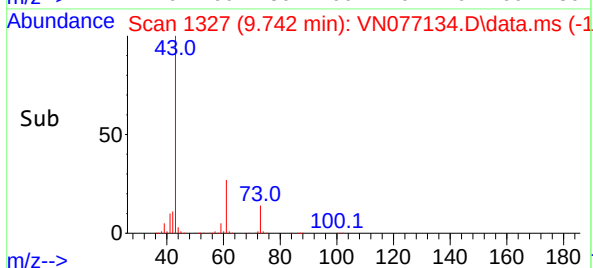
Tgt Ion: 43 Resp: 393929
Ion Ratio Lower Upper
43 100
61 15.4 20.6 30.8#
87 9.5 10.0 15.0#

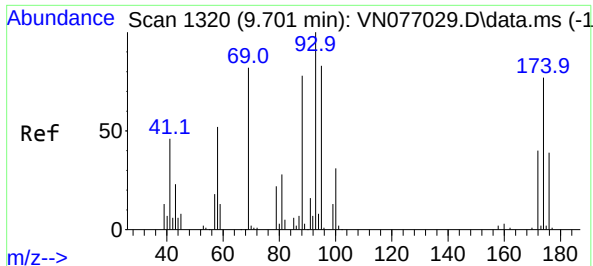


#48
Methyl methacrylate
Concen: 50.150 ug/l
RT: 9.742 min Scan# 1327
Delta R.T. 0.059 min
Lab File: VN077134.D
Acq: 23 Mar 2023 07:48



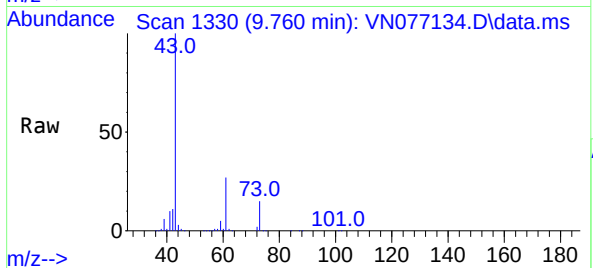
Tgt Ion: 41 Resp: 298041
Ion Ratio Lower Upper
41 100
69 0.2 64.3 96.5#
39 56.2 43.2 64.8



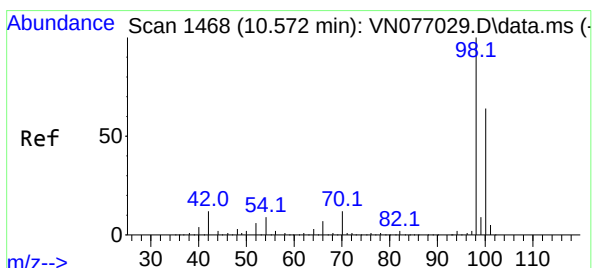
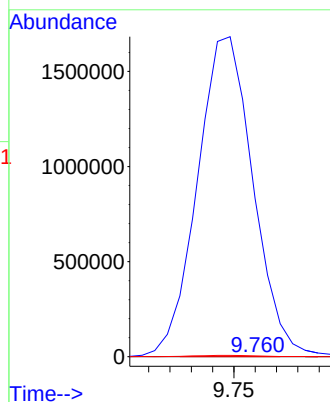
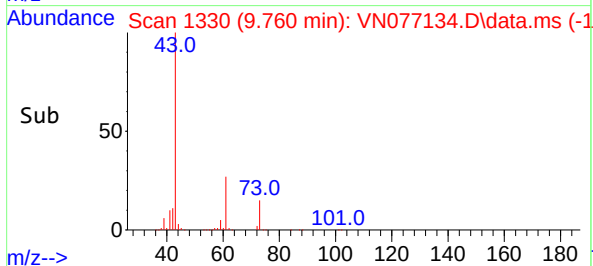


#49
1,4-Dioxane
Concen: 4.749 ug/l
RT: 9.760 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN077134.D
Acq: 23 Mar 2023 07:48

Instrument :
MSVOA_N
ClientSampleId :

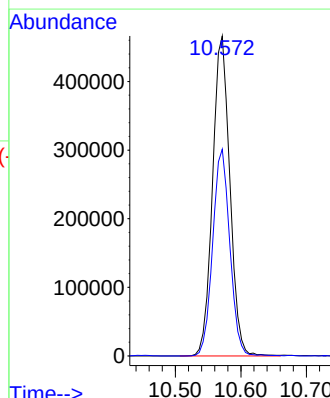
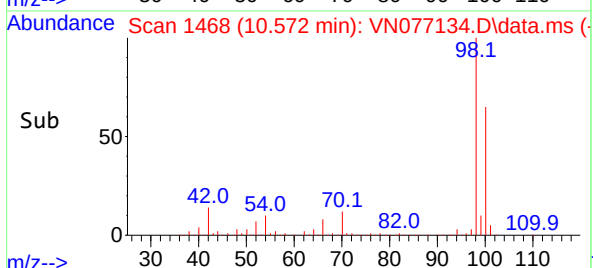
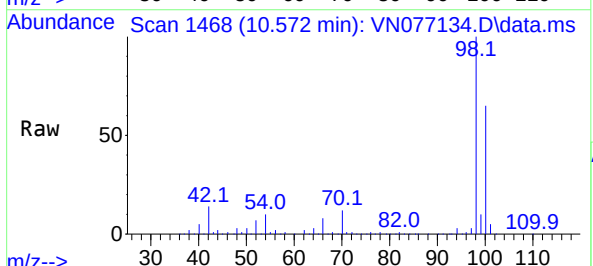


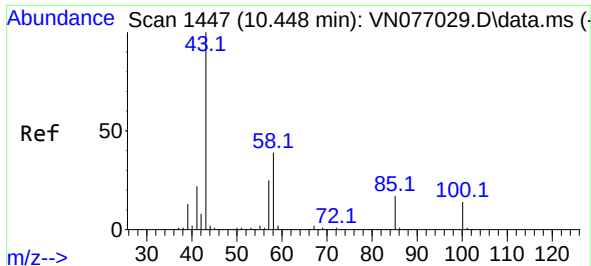
Tgt Ion: 88 Resp: 482
Ion Ratio Lower Upper
88 100
43 640191.7 22.2 33.2#
58 3131.5 60.8 91.2#



#50
Toluene-d8
Concen: 50.113 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VN077134.D
Acq: 23 Mar 2023 07:48

Tgt Ion: 98 Resp: 852416
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4

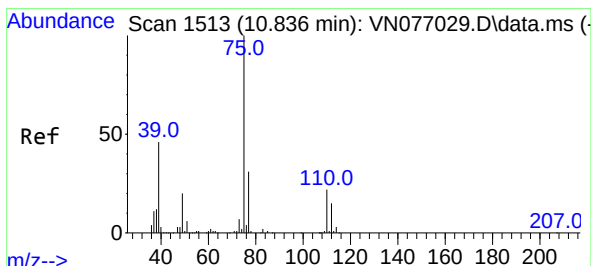
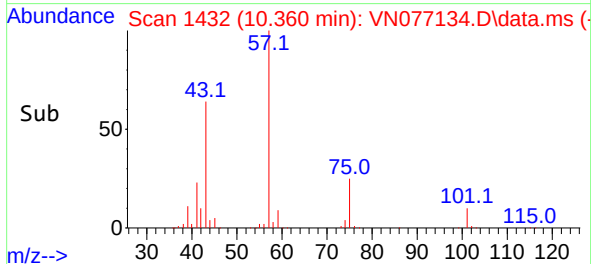
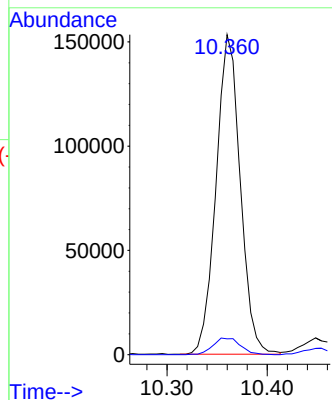
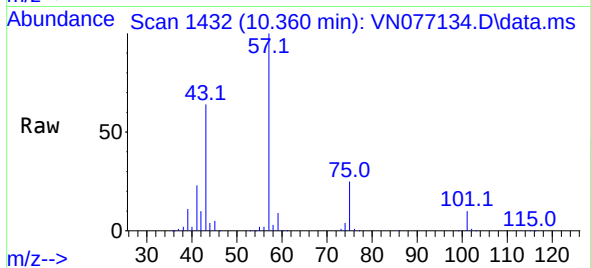




#51
4-Methyl-2-Pentanone
Concen: 33.113 ug/l
RT: 10.360 min Scan# 1447
Delta R.T. -0.088 min
Lab File: VN077134.D
Acq: 23 Mar 2023 07:48

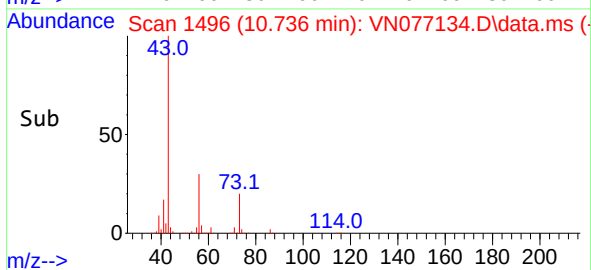
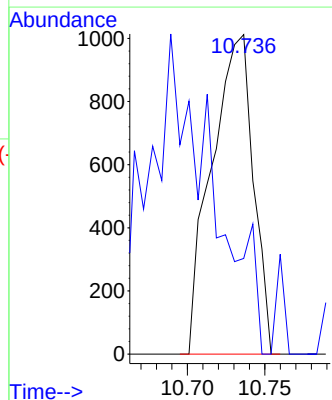
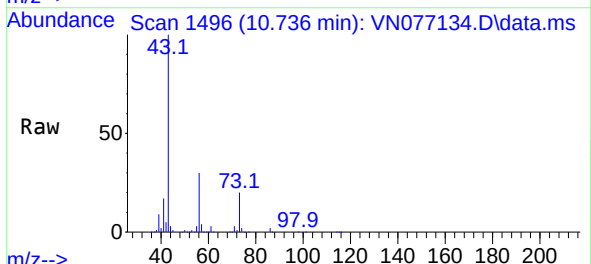
Instrument :
MSVOA_N
ClientSampleId :

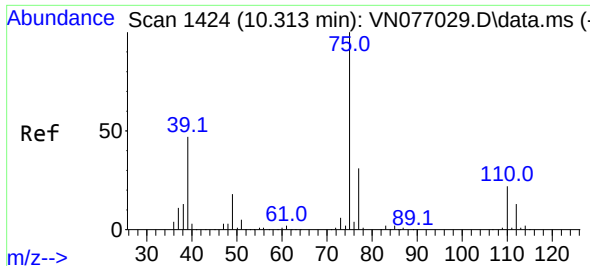
Tgt Ion: 43 Resp: 256333
Ion Ratio Lower Upper
43 100
58 5.9 31.1 46.7#



#53
t-1,3-Dichloropropene
Concen: 0.243 ug/l
RT: 10.736 min Scan# 1496
Delta R.T. -0.100 min
Lab File: VN077134.D
Acq: 23 Mar 2023 07:48

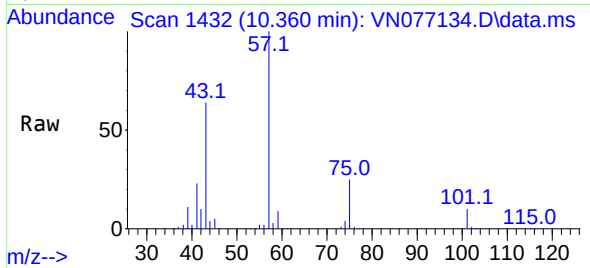
Tgt Ion: 75 Resp: 1889
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#



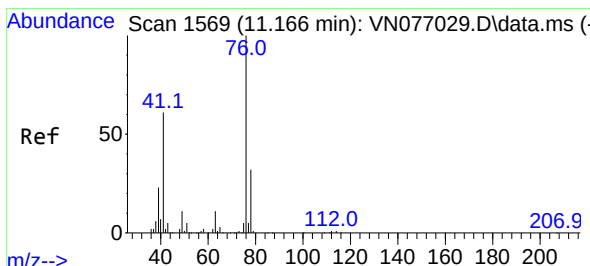
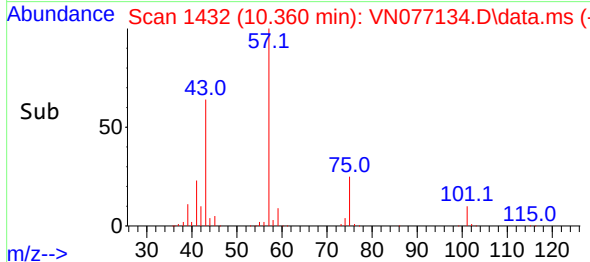
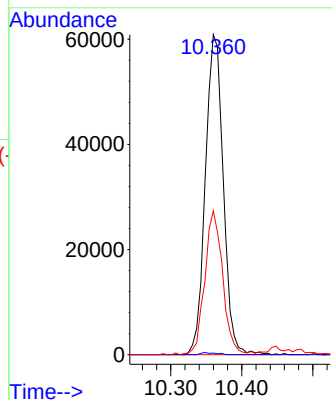


#54
 cis-1,3-Dichloropropene
 Concen: 12.204 ug/l
 RT: 10.360 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN077134.D
 Acq: 23 Mar 2023 07:48

Instrument :
 MSVOA_N
 ClientSampleId :

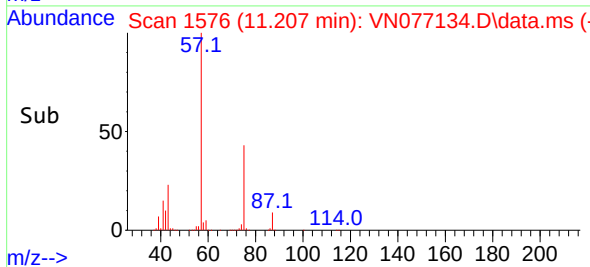
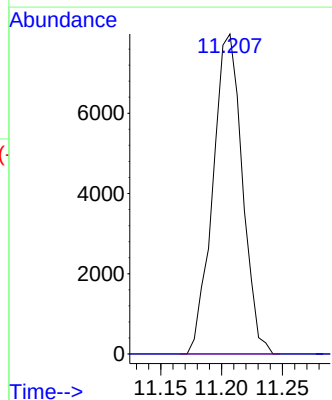
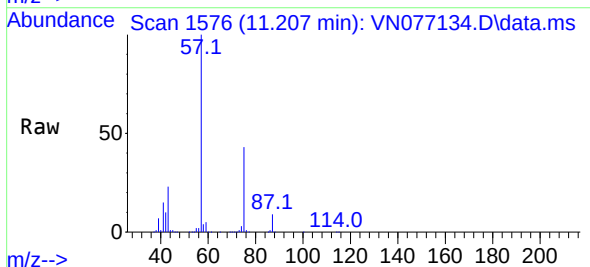


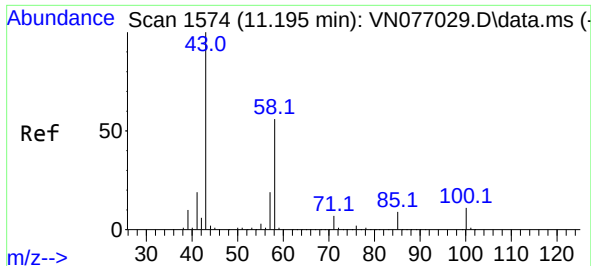
Tgt Ion: 75 Resp: 106941
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.5 36.7#
 39 44.9 37.8 56.6



#57
 1,3-Dichloropropane
 Concen: 1.385 ug/l
 RT: 11.207 min Scan# 1576
 Delta R.T. 0.041 min
 Lab File: VN077134.D
 Acq: 23 Mar 2023 07:48

Tgt Ion: 76 Resp: 13467
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.3 37.9#

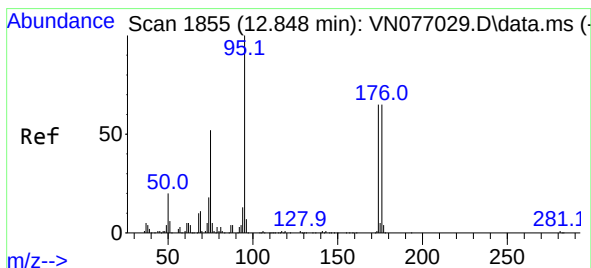
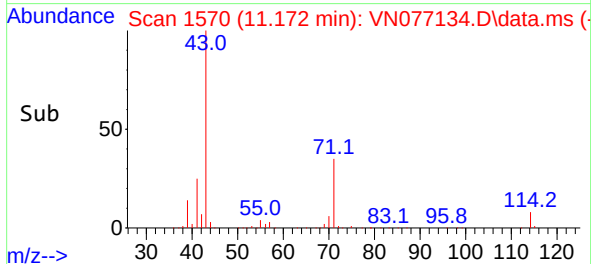
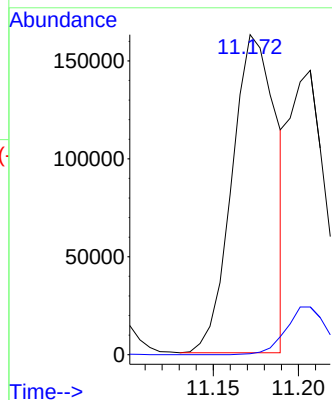
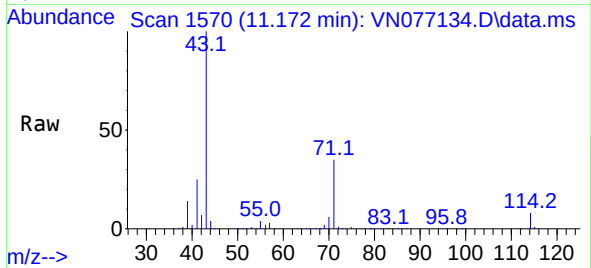




#59
2-Hexanone
Concen: 52.228 ug/l
RT: 11.172 min Scan# 11172
Delta R.T. -0.023 min
Lab File: VN077134.D
Acq: 23 Mar 2023 07:48

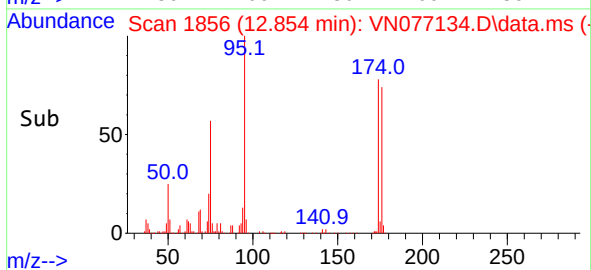
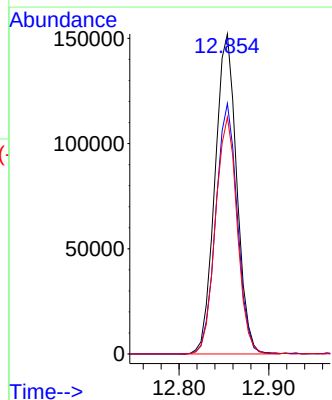
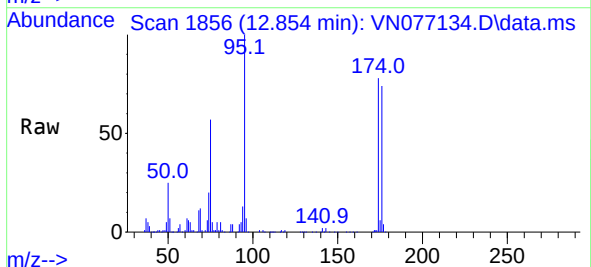
Instrument :
MSVOA_N
ClientSampleId :

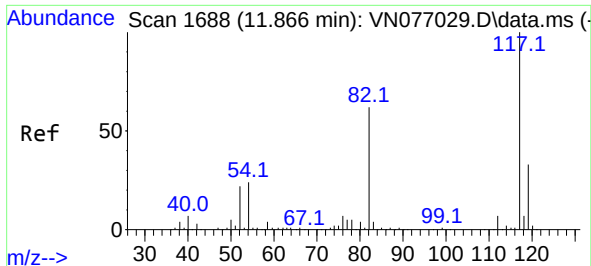
Tgt Ion: 43 Resp: 293254
Ion Ratio Lower Upper
43 100
58 0.0 27.7 83.1#



#62
4-Bromofluorobenzene
Concen: 42.596 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077134.D
Acq: 23 Mar 2023 07:48

Tgt Ion: 95 Resp: 256033
Ion Ratio Lower Upper
95 100
174 77.7 0.0 136.6
176 74.0 0.0 130.0

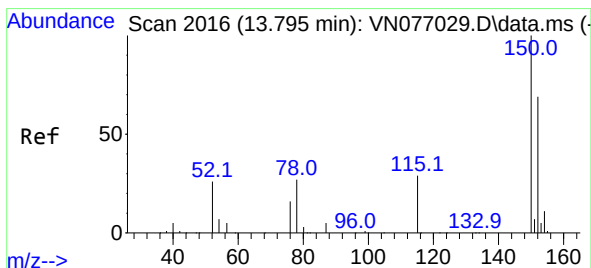
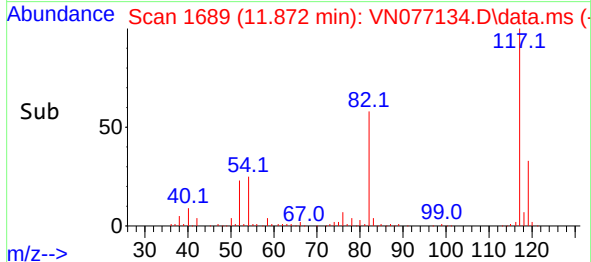
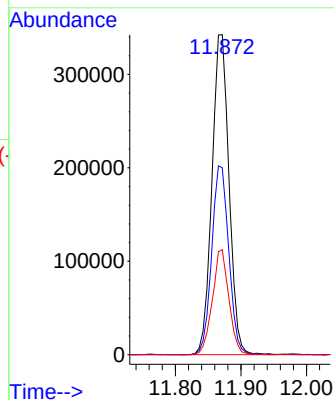
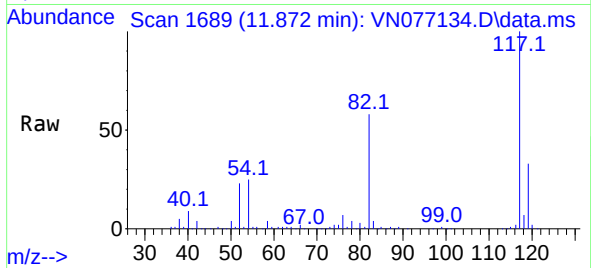




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077134.D
Acq: 23 Mar 2023 07:48

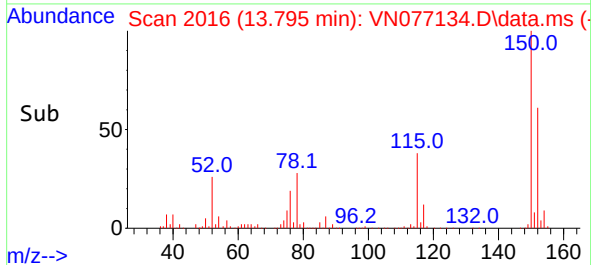
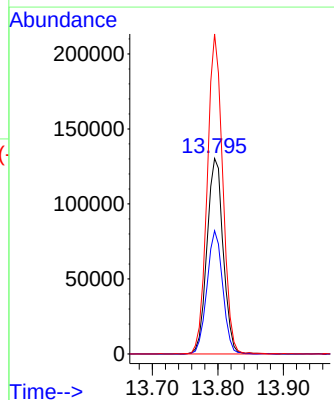
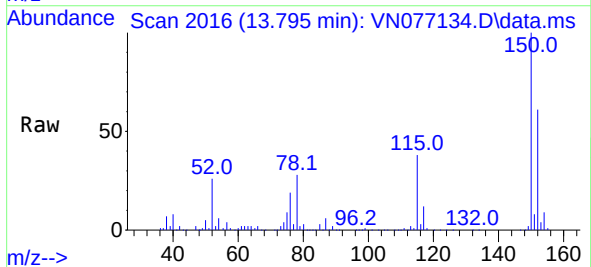
Instrument :
MSVOA_N
ClientSampleId :

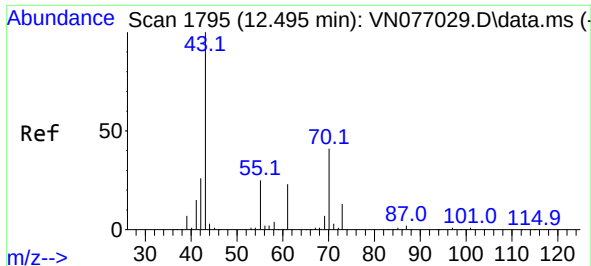
Tgt Ion:117 Resp: 618850
Ion Ratio Lower Upper
117 100
82 58.4 49.4 74.0
119 32.8 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077134.D
Acq: 23 Mar 2023 07:48

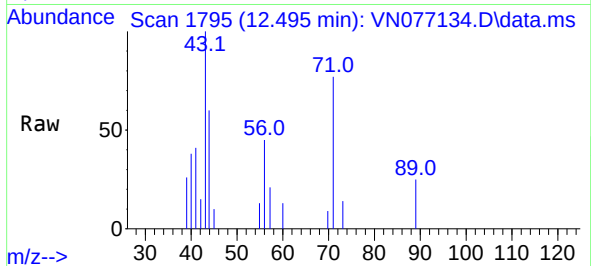
Tgt Ion:152 Resp: 223934
Ion Ratio Lower Upper
152 100
115 61.5 31.9 95.7
150 156.6 0.0 348.0





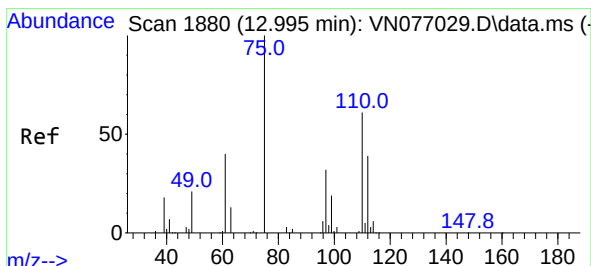
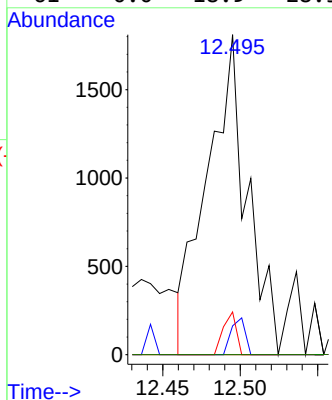
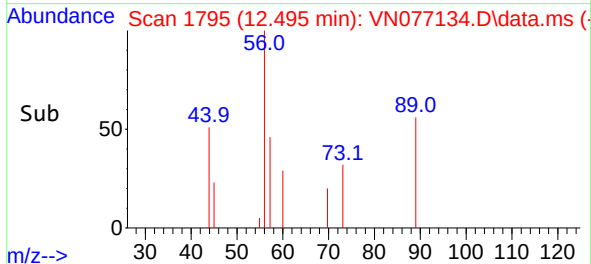
#74
N-amy1 acetate
Concen: 0.373 ug/l
RT: 12.495 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077134.D
Acq: 23 Mar 2023 07:48

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 43 Resp: 3238

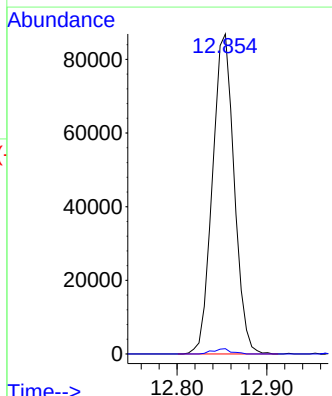
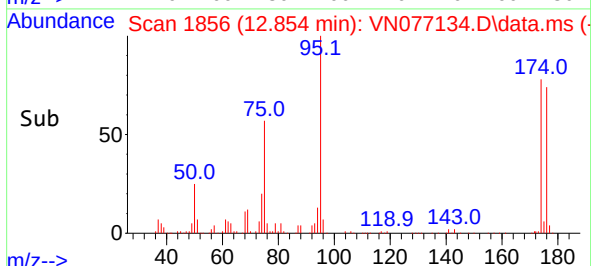
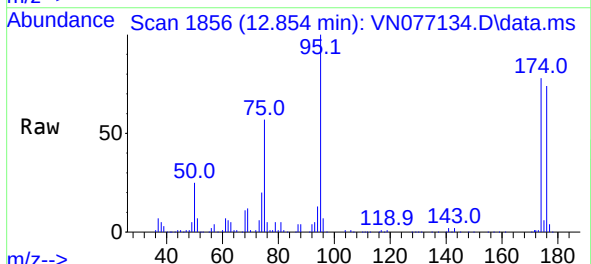
Ion	Ratio	Lower	Upper
43	100		
70	4.0	33.6	50.4#
55	4.4	20.3	30.5#
61	0.0	18.9	28.3#

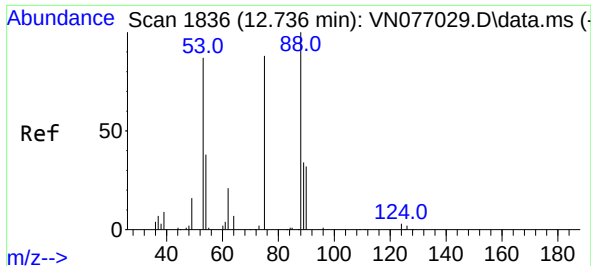


#76
1,2,3-Trichloropropane
Concen: 25.223 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077134.D
Acq: 23 Mar 2023 07:48

Tgt Ion: 75 Resp: 146103

Ion	Ratio	Lower	Upper
75	100		
77	1.4	107.3	322.0#

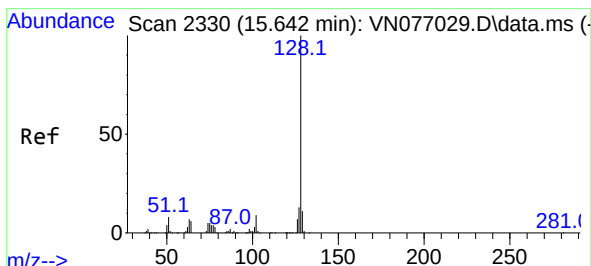
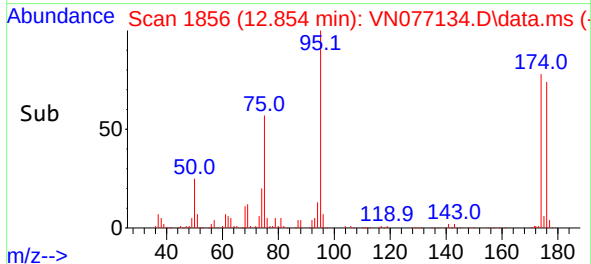
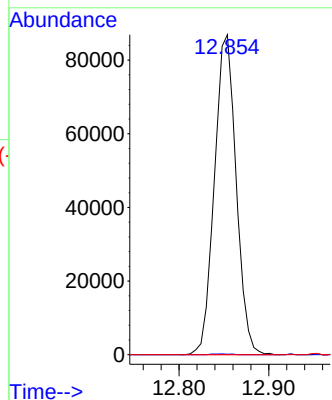
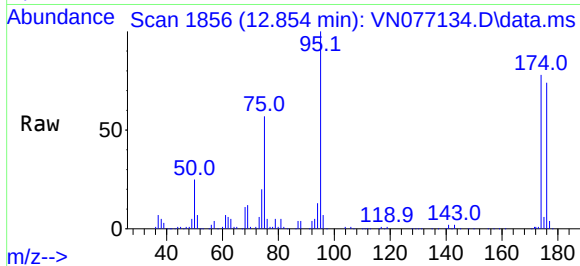




#81
trans-1,4-Dichloro-2-butene
Concen: 69.429 ug/l
RT: 12.854 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN077134.D
Acq: 23 Mar 2023 07:48

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 146103
Ion Ratio Lower Upper
75 100
53 0.2 80.8 121.2#
89 0.0 34.2 51.4#



#95
Naphthalene
Concen: 1.940 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN077134.D
Acq: 23 Mar 2023 07:48

Tgt Ion:128 Resp: 434
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.6 13.0#

