

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041923\
 Data File : VN077385.D
 Acq On : 19 Apr 2023 19:11
 Operator : JC\MD
 Sample : PB152199ZHE#13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152199ZHE#13

Quant Time: Apr 20 04:28:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

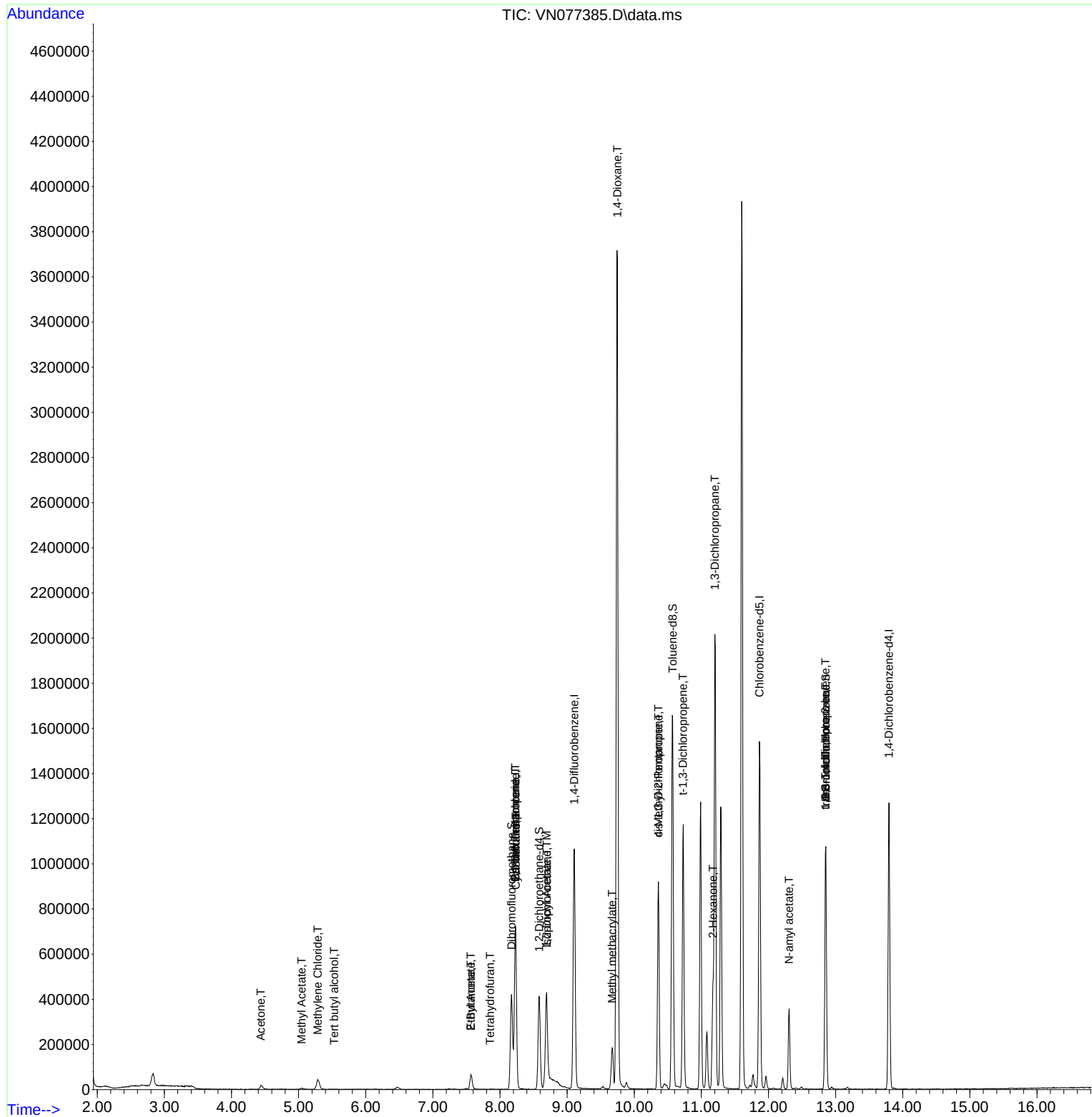
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.231	168	527236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1001355	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	921462	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	333865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	328649	45.608	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.220%		
35) Dibromofluoromethane	8.172	113	302984	47.265	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.520%		
50) Toluene-d8	10.572	98	1234834	47.851	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.700%		
62) 4-Bromofluorobenzene	12.854	95	385338	44.897	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.800%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.531	59	389	0.265	ug/l #	72
16) Acetone	4.437	43	31520	11.864	ug/l	91
18) Methyl Acetate	5.043	43	10167	1.005	ug/l	93
20) Methylene Chloride	5.284	84	35483	4.729	ug/l	98
25) 2-Butanone	7.566	43	90488	20.985	ug/l #	41
29) Tetrahydrofuran	7.854	42	970	0.350	ug/l #	29
31) Cyclohexane	8.237	56	12576	1.123	ug/l #	25
36) 1,1-Dichloropropene	8.231	75	44567	4.701	ug/l #	50
37) Ethyl Acetate	7.566	43	90488	10.667	ug/l	96
38) Carbon Tetrachloride	8.231	117	59561	6.132	ug/l #	14
42) 1,2-Dichloroethane	8.695	62	2823	0.310	ug/l #	73
43) Isopropyl Acetate	8.695	43	516797	33.017	ug/l #	86
48) Methyl methacrylate	9.672	41	9959	1.491	ug/l #	33
49) 1,4-Dioxane	9.748	88	865	5.343	ug/l #	1
51) 4-Methyl-2-Pentanone	10.360	43	313695	34.672	ug/l #	44
53) t-1,3-Dichloropropene	10.725	75	4198	0.366	ug/l #	62
54) cis-1,3-Dichloropropene	10.360	75	189159	15.462	ug/l #	60
57) 1,3-Dichloropropane	11.201	76	24013	1.913	ug/l #	42
59) 2-Hexanone	11.172	43	334887	49.683	ug/l #	20
71) Bromoform	12.854	173	2163	0.400	ug/l #	1
74) N-amyl acetate	12.307	43	103922	8.456	ug/l #	48
76) 1,2,3-Trichloropropane	12.848	75	207249	26.068	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	207249	58.662	ug/l #	13

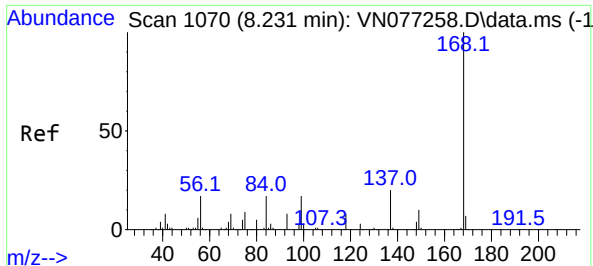
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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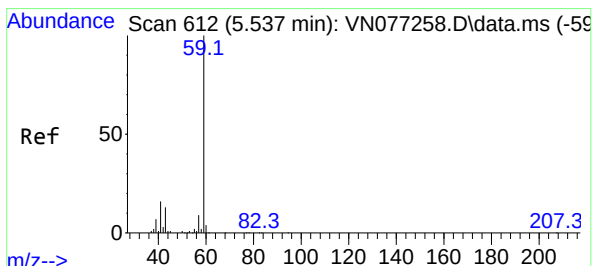
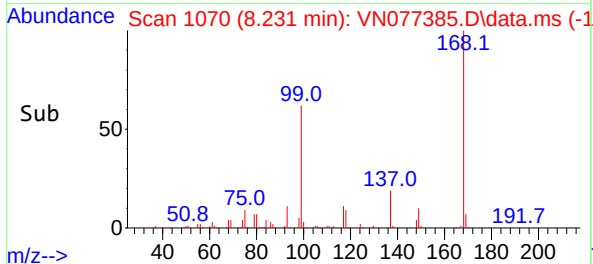
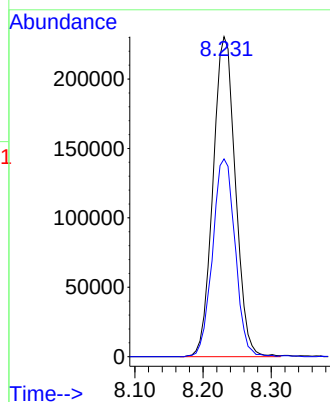
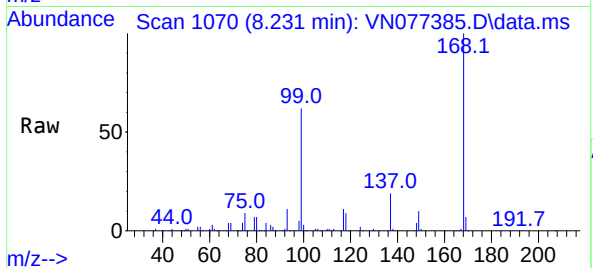




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

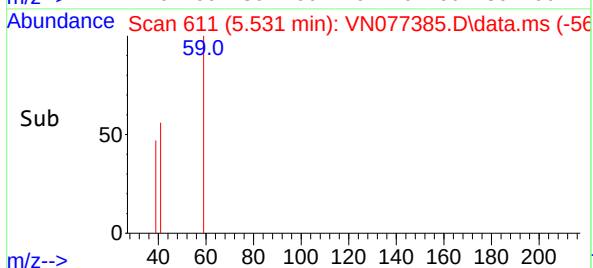
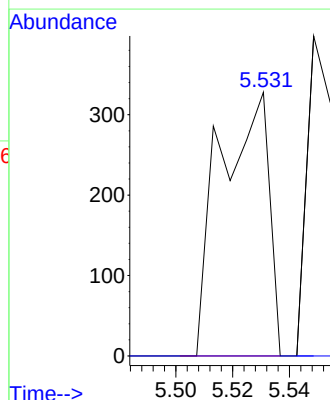
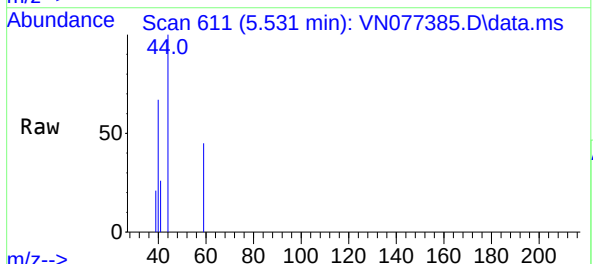
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PB152199ZHE#13

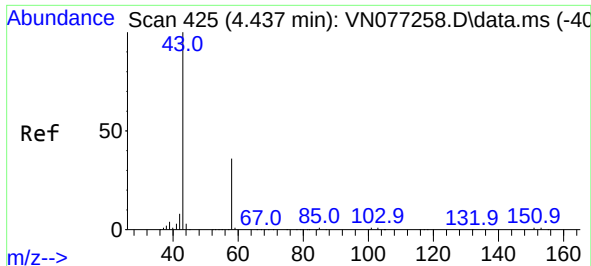
Tgt Ion:168 Resp: 527236
Ion Ratio Lower Upper
168 100
99 61.8 50.6 75.8



#11
Tert butyl alcohol
Concen: 0.265 ug/l
RT: 5.531 min Scan# 611
Delta R.T. -0.006 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

Tgt Ion: 59 Resp: 389
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

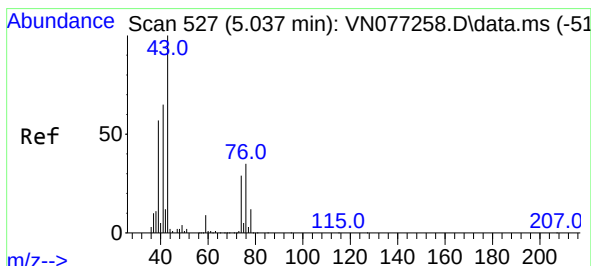
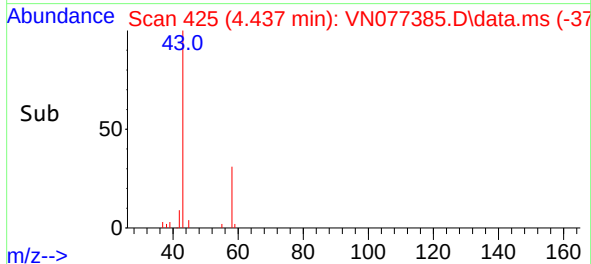
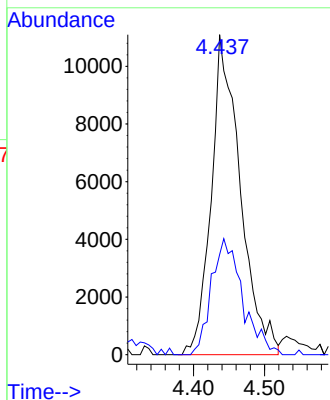
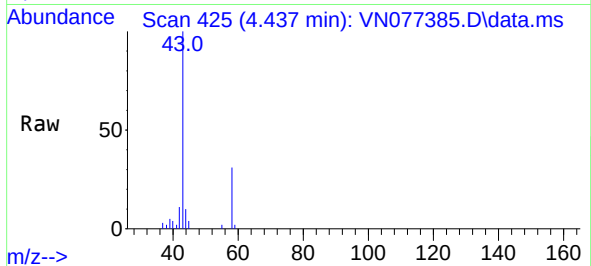




#16
Acetone
Concen: 11.864 ug/l
RT: 4.437 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

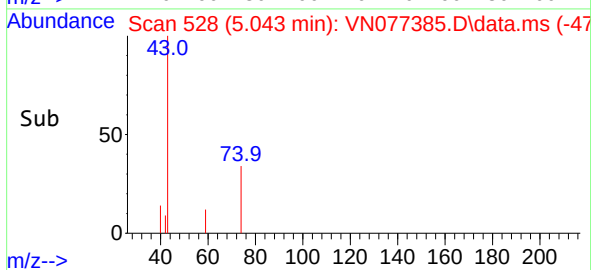
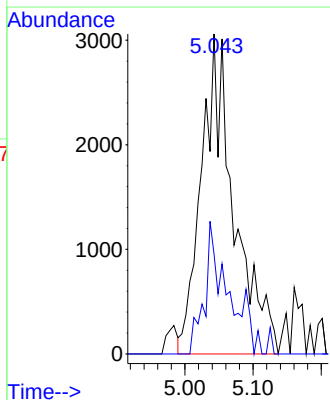
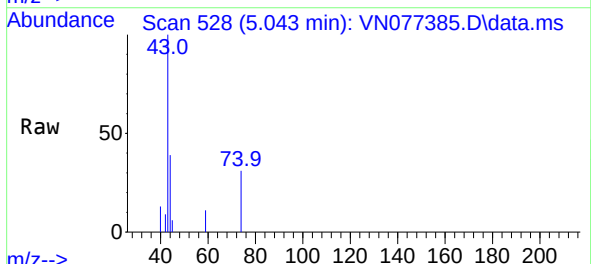
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#13

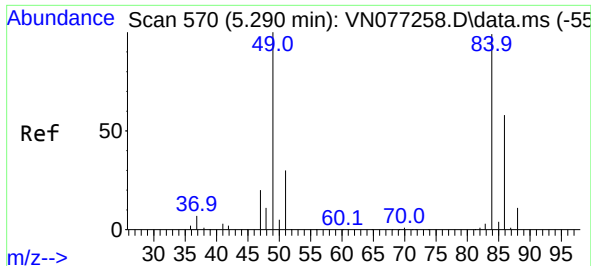
Tgt Ion: 43 Resp: 31520
Ion Ratio Lower Upper
43 100
58 31.3 29.0 43.6



#18
Methyl Acetate
Concen: 1.005 ug/l
RT: 5.043 min Scan# 528
Delta R.T. 0.006 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

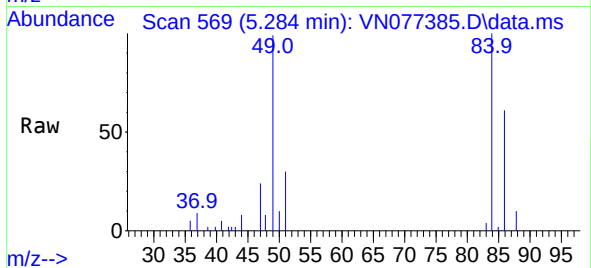
Tgt Ion: 43 Resp: 10167
Ion Ratio Lower Upper
43 100
74 25.7 23.4 35.2





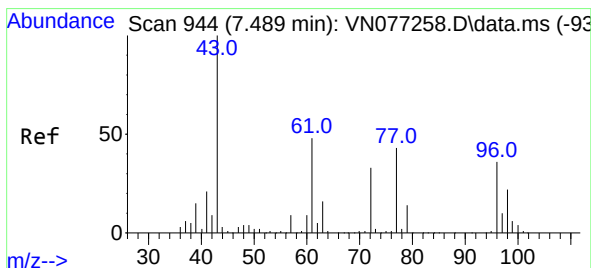
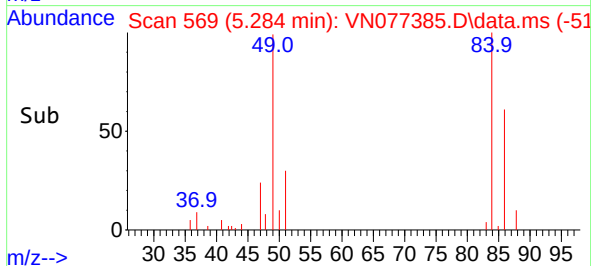
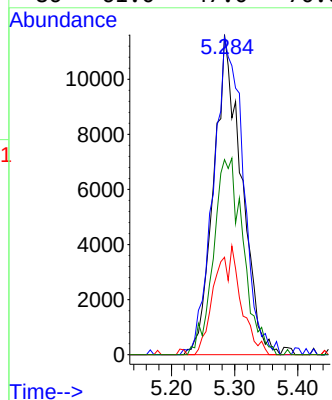
#20
Methylene Chloride
Concen: 4.729 ug/l
RT: 5.284 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#13



Tgt Ion: 84 Resp: 35483

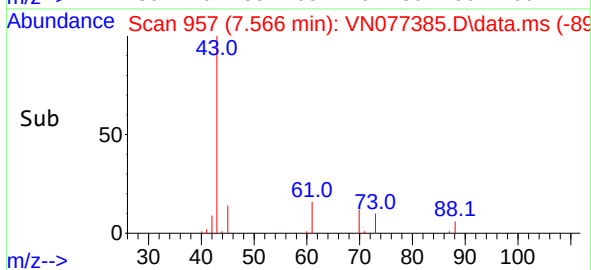
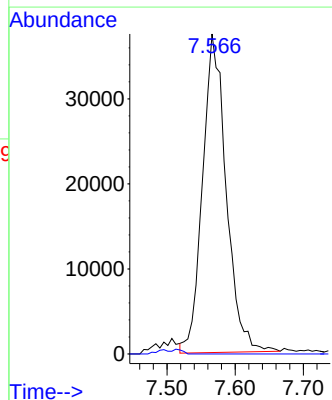
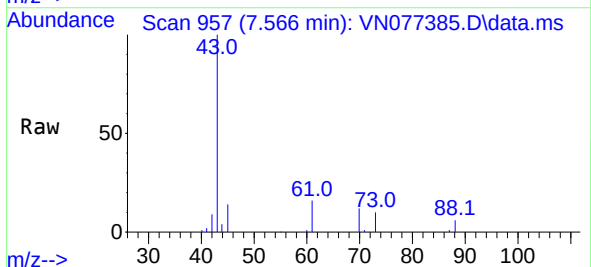
Ion	Ratio	Lower	Upper
84	100		
49	99.1	80.6	121.0
51	30.4	24.4	36.6
86	61.0	47.0	70.6

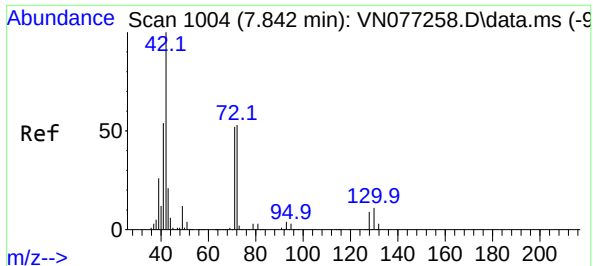


#25
2-Butanone
Concen: 20.985 ug/l
RT: 7.566 min Scan# 957
Delta R.T. 0.077 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

Tgt Ion: 43 Resp: 90488

Ion	Ratio	Lower	Upper
43	100		
72	0.0	26.6	39.8#





#29

Tetrahydrofuran

Concen: 0.350 ug/l

RT: 7.854 min Scan# 10

Delta R.T. 0.012 min

Lab File: VN077385.D

Acq: 19 Apr 2023 19:11

Instrument :

MSVOA_N

ClientSampleId :

PB152199ZHE#13

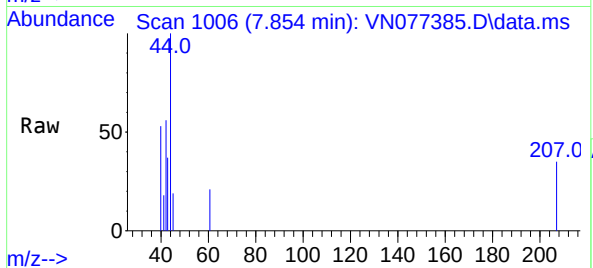
Tgt Ion: 42 Resp: 970

Ion Ratio Lower Upper

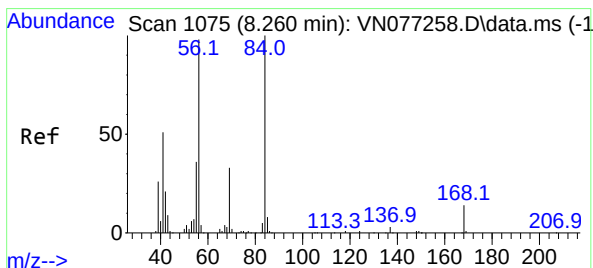
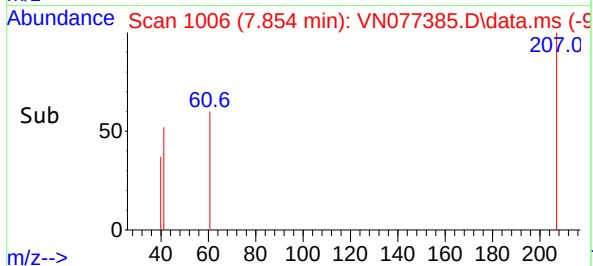
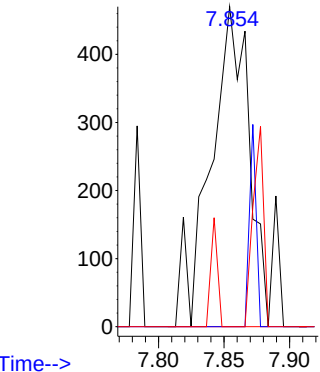
42 100

72 0.0 44.6 66.8#

71 5.8 41.3 61.9#



Abundance



#31

Cyclohexane

Concen: 1.123 ug/l

RT: 8.237 min Scan# 1071

Delta R.T. -0.023 min

Lab File: VN077385.D

Acq: 19 Apr 2023 19:11

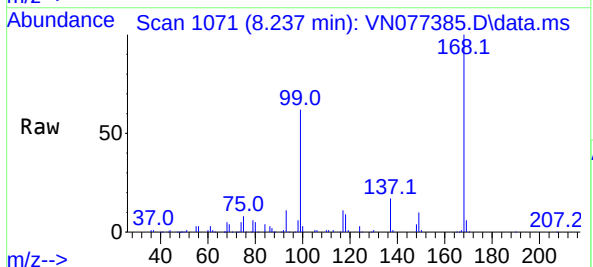
Tgt Ion: 56 Resp: 12576

Ion Ratio Lower Upper

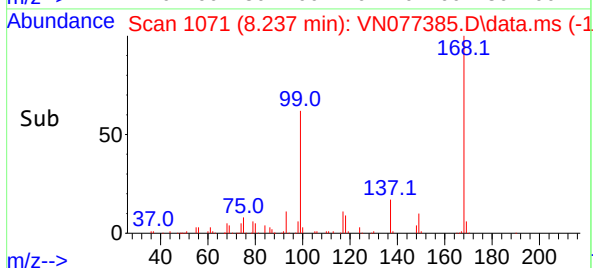
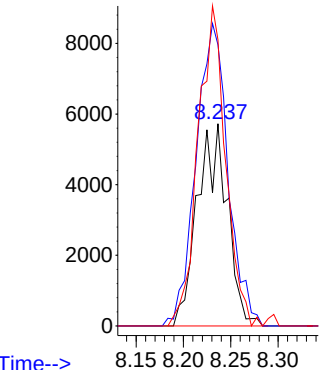
56 100

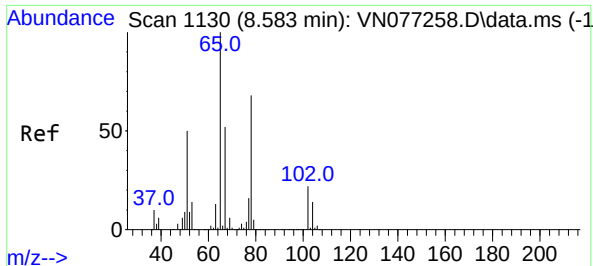
69 139.1 26.6 40.0#

84 141.6 81.8 122.8#



Abundance

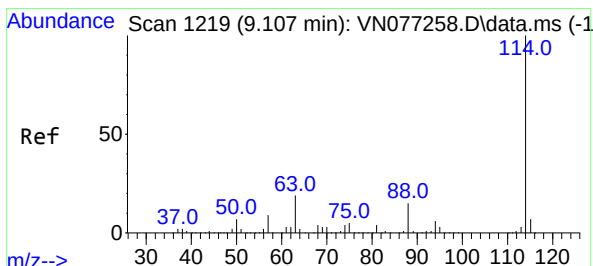
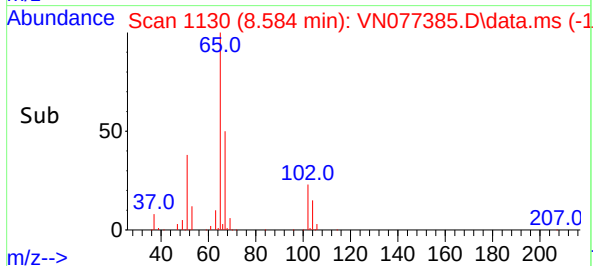
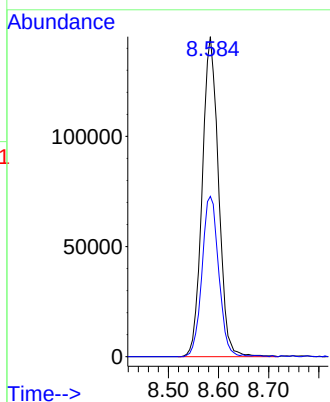
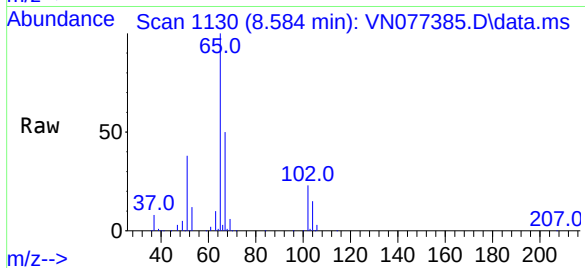




#33
1,2-Dichloroethane-d4
Concen: 45.608 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

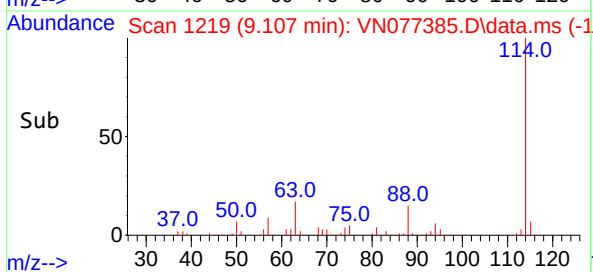
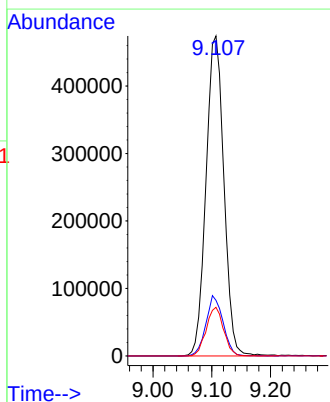
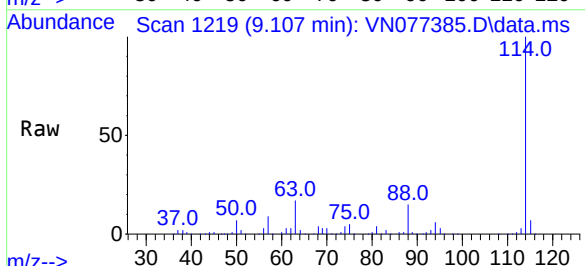
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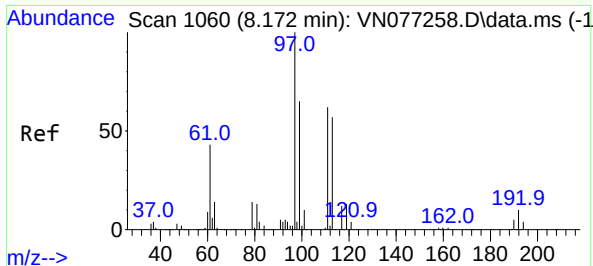
Tgt Ion: 65 Resp: 328649
Ion Ratio Lower Upper
65 100
67 51.2 0.0 108.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

Tgt Ion: 114 Resp: 1001355
Ion Ratio Lower Upper
114 100
63 17.4 0.0 37.8
88 15.2 0.0 29.4

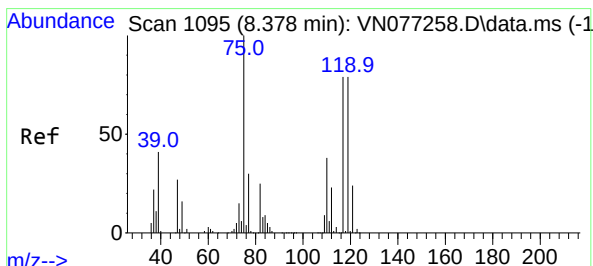
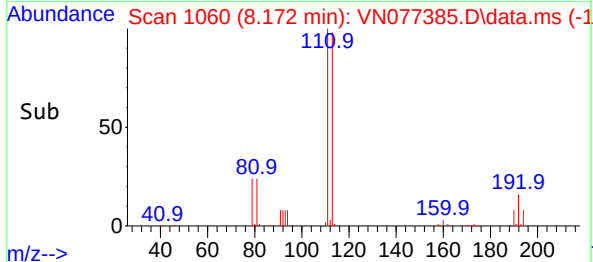
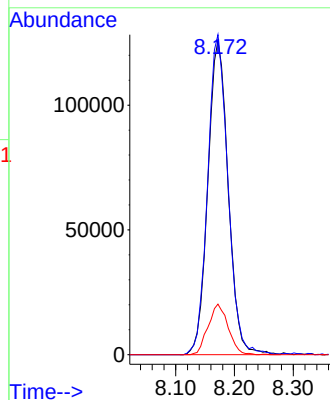
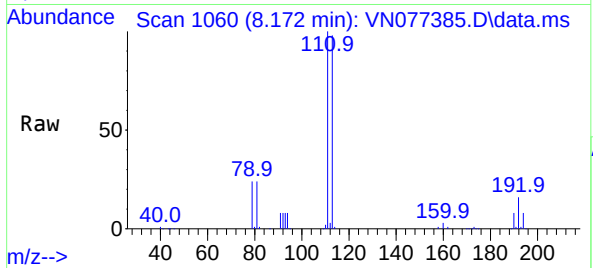




#35
Dibromofluoromethane
Concen: 47.265 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

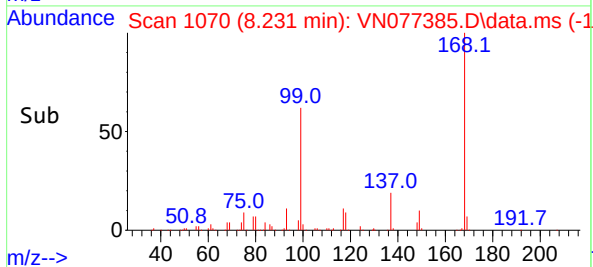
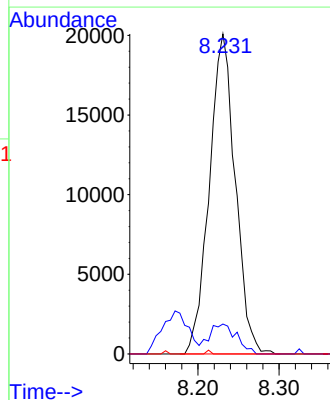
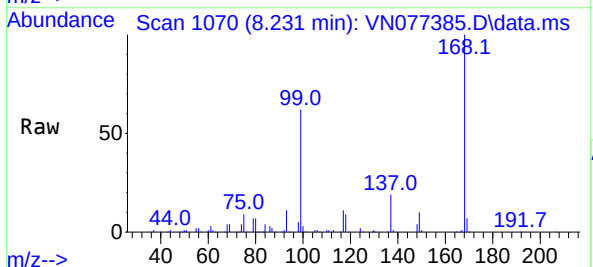
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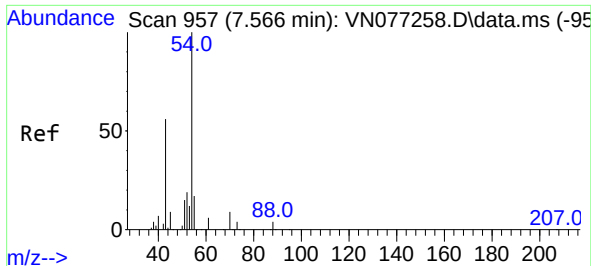
Tgt Ion:113 Resp: 302984
Ion Ratio Lower Upper
113 100
111 101.5 83.4 125.0
192 15.8 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.701 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

Tgt Ion: 75 Resp: 44567
Ion Ratio Lower Upper
75 100
110 9.9 17.8 53.5#
77 0.2 25.0 37.4#

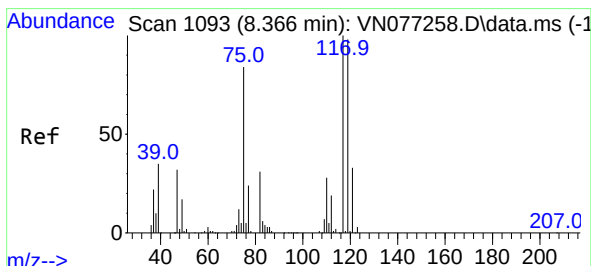
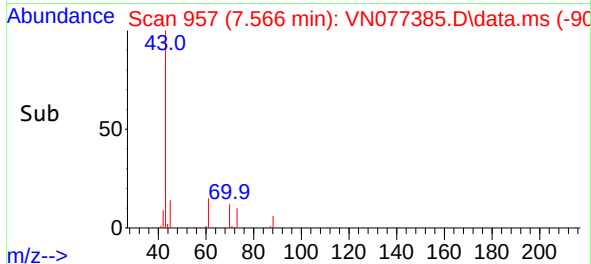
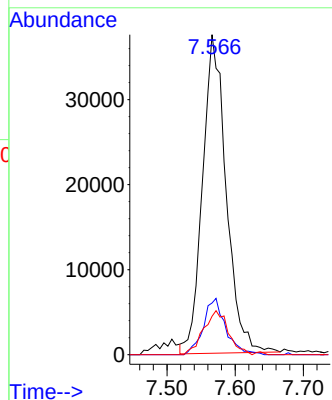
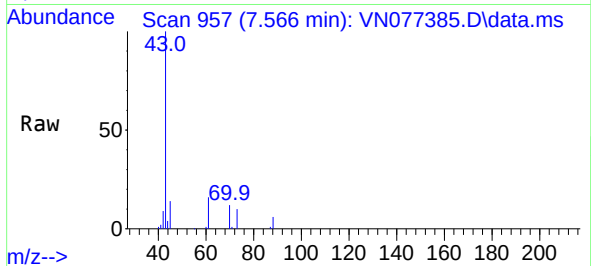




#37
Ethyl Acetate
Concen: 10.667 ug/l
RT: 7.566 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

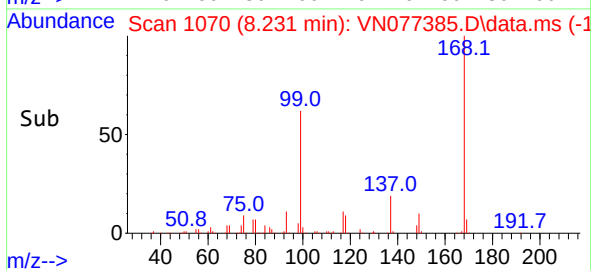
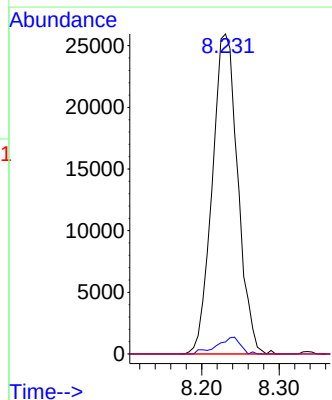
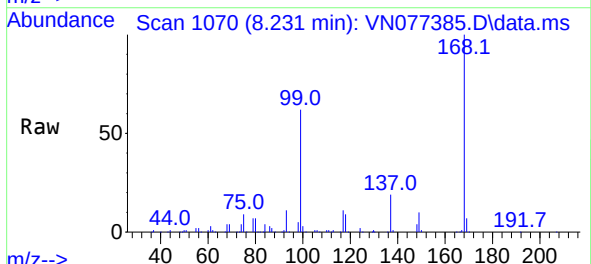
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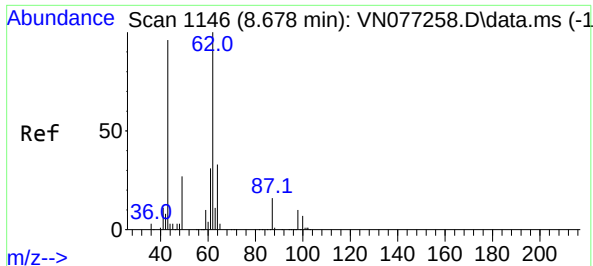
Tgt Ion: 43 Resp: 90488
Ion Ratio Lower Upper
43 100
61 16.7 12.2 18.2
70 14.5 10.0 15.0



#38
Carbon Tetrachloride
Concen: 6.132 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.135 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

Tgt Ion: 117 Resp: 59561
Ion Ratio Lower Upper
117 100
119 3.7 78.5 117.7#
121 0.0 26.6 40.0#

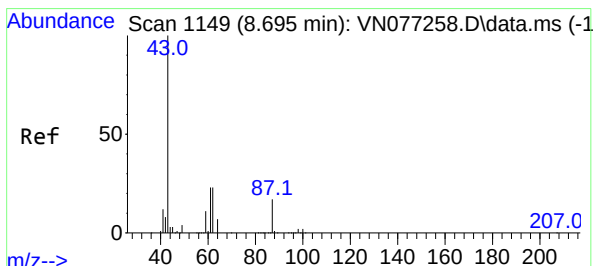
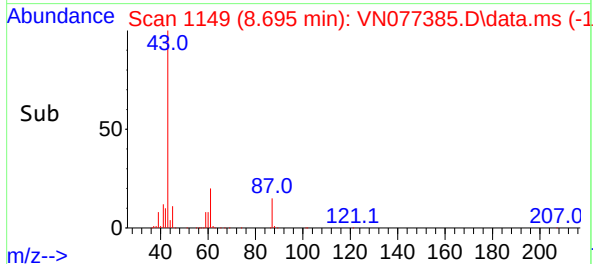
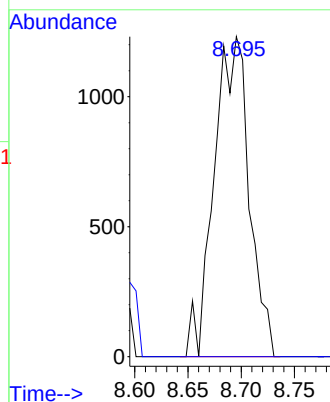
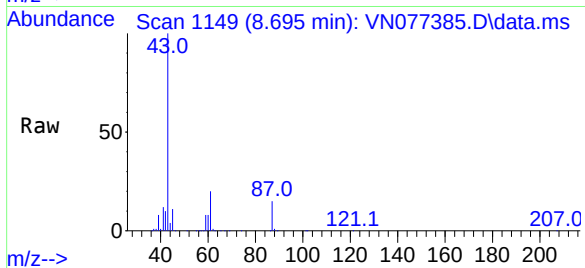




#42
1,2-Dichloroethane
Concen: 0.310 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.017 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

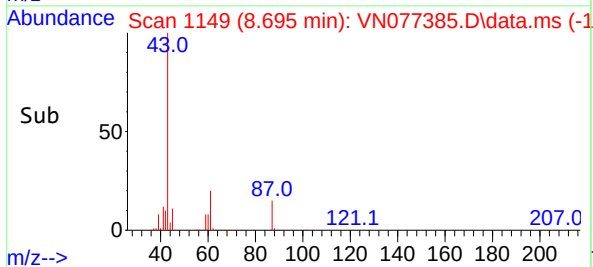
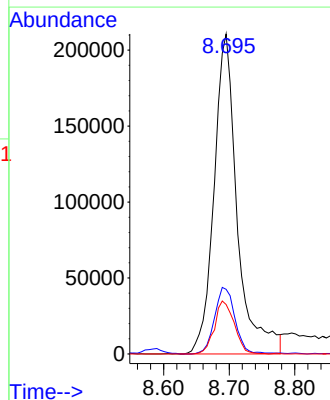
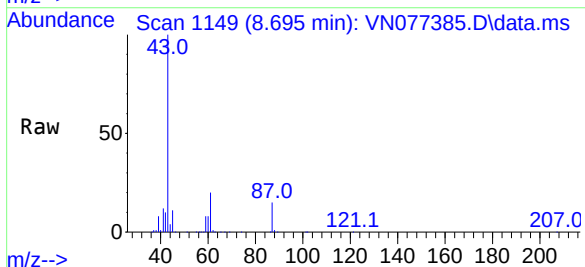
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#13

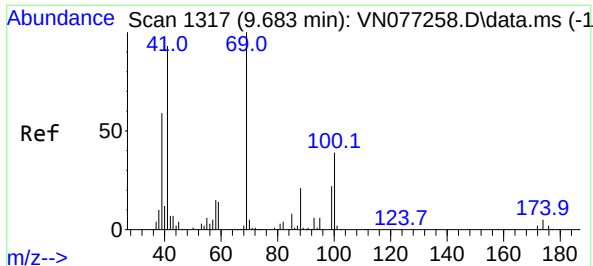
Tgt Ion: 62 Resp: 2823
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2



#43
Isopropyl Acetate
Concen: 33.017 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

Tgt Ion: 43 Resp: 516797
Ion Ratio Lower Upper
43 100
61 18.5 22.7 34.1#
87 14.1 13.6 20.4

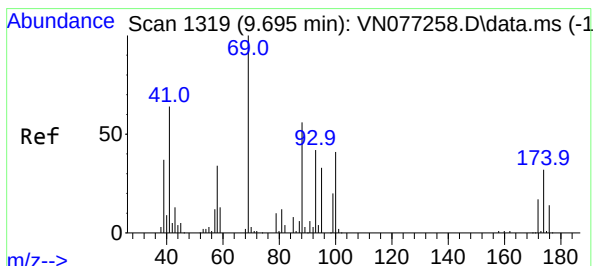
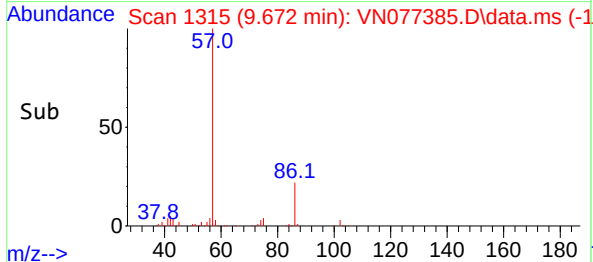
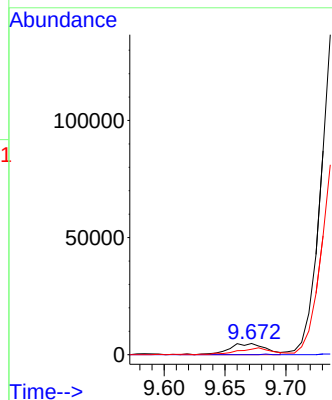
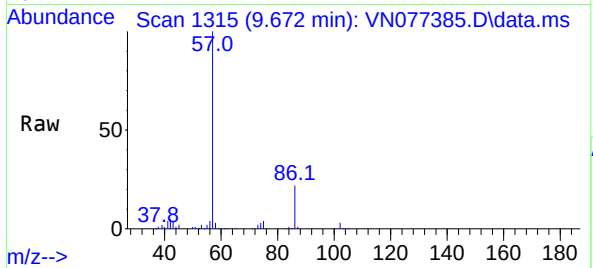




#48
Methyl methacrylate
Concen: 1.491 ug/l
RT: 9.672 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

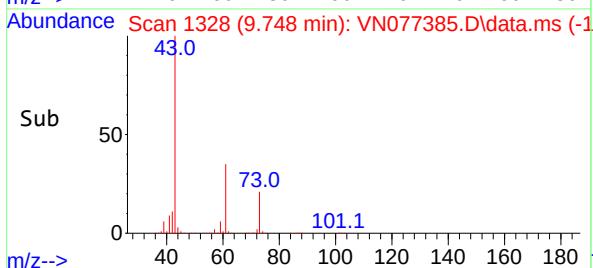
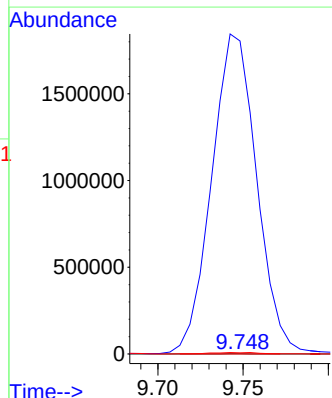
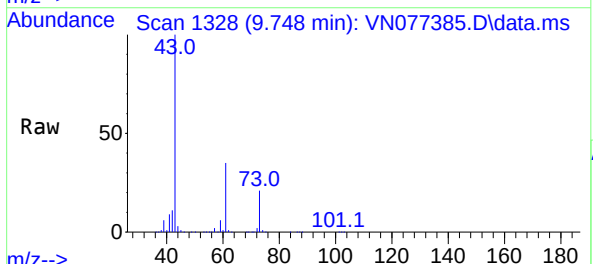
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#13

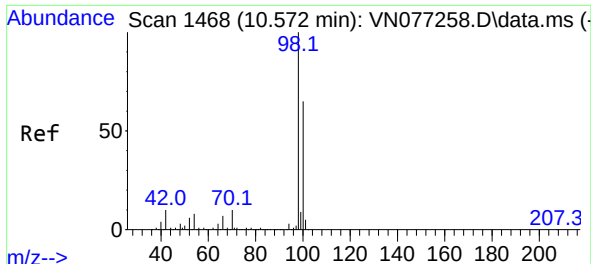
Tgt Ion: 41 Resp: 9959
Ion Ratio Lower Upper
41 100
69 0.9 85.0 127.6#
39 57.4 53.5 80.3



#49
1,4-Dioxane
Concen: 5.343 ug/l
RT: 9.748 min Scan# 1328
Delta R.T. 0.053 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

Tgt Ion: 88 Resp: 865
Ion Ratio Lower Upper
88 100
43 394989.0 17.0 25.6#
58 1766.6 49.8 74.6#

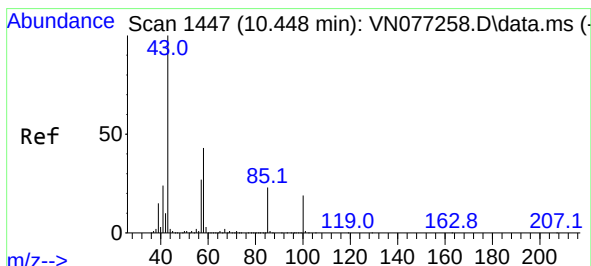
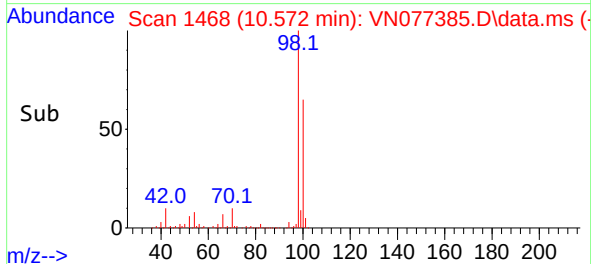
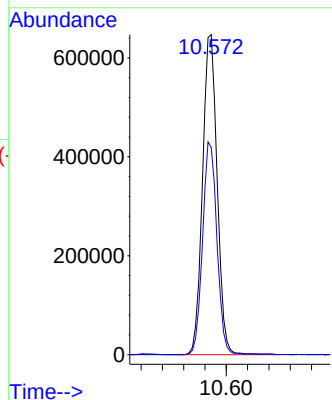
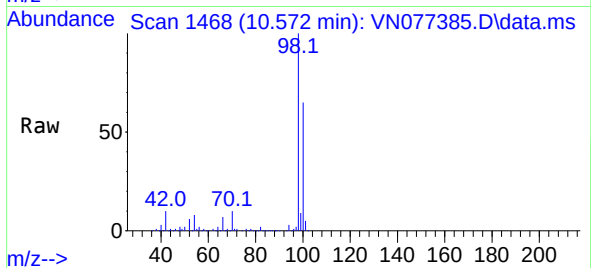




#50
Toluene-d8
Concen: 47.851 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

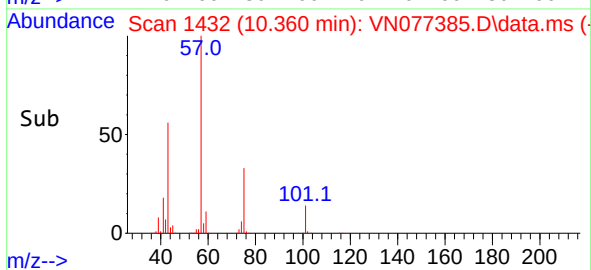
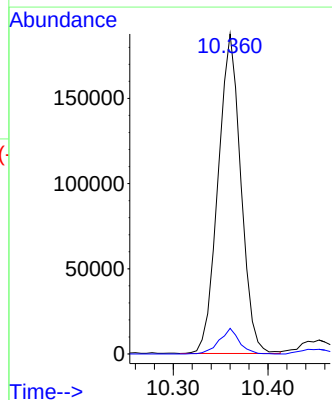
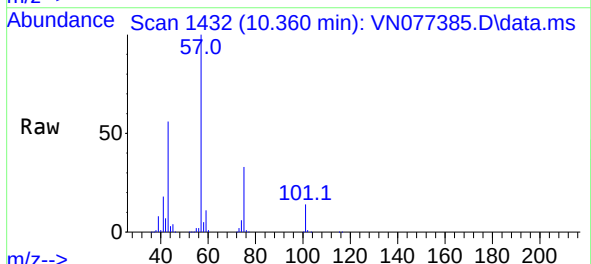
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#13

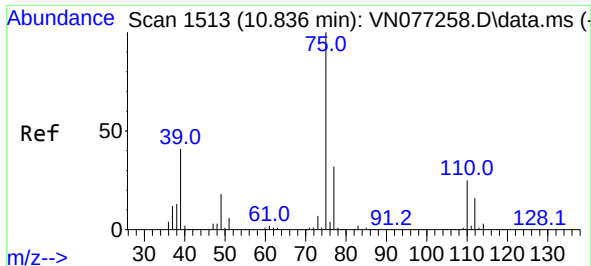
Tgt Ion: 98 Resp: 1234834
Ion Ratio Lower Upper
98 100
100 64.8 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 34.672 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. -0.088 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

Tgt Ion: 43 Resp: 313695
Ion Ratio Lower Upper
43 100
58 7.1 34.6 52.0#

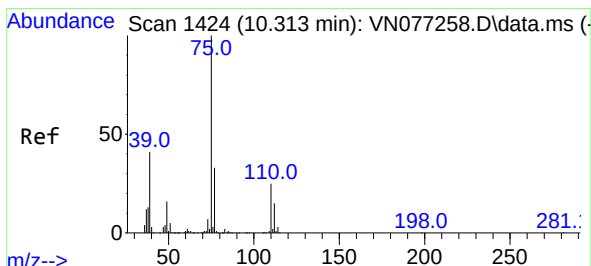
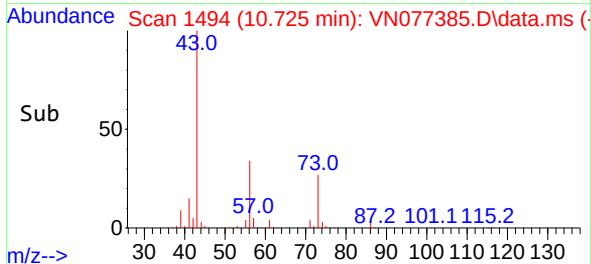
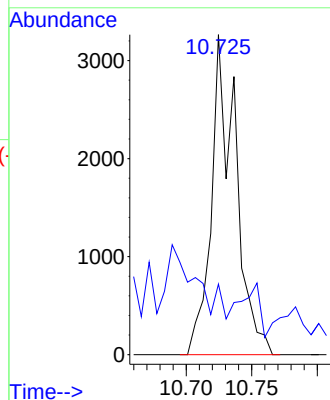
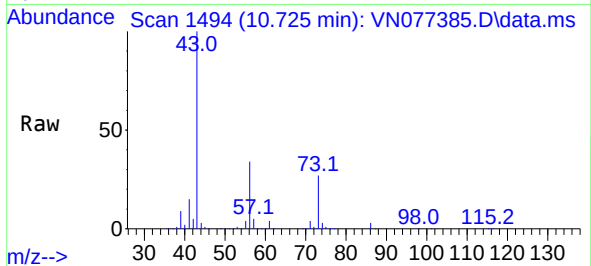




#53
t-1,3-Dichloropropene
Concen: 0.366 ug/l
RT: 10.725 min Scan# 14198
Delta R.T. -0.111 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

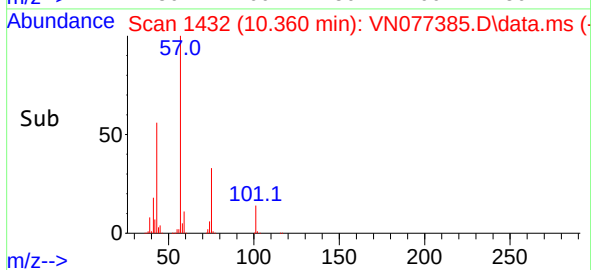
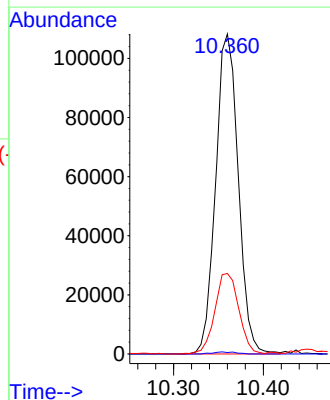
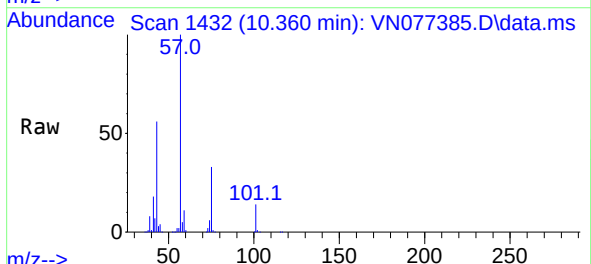
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#13

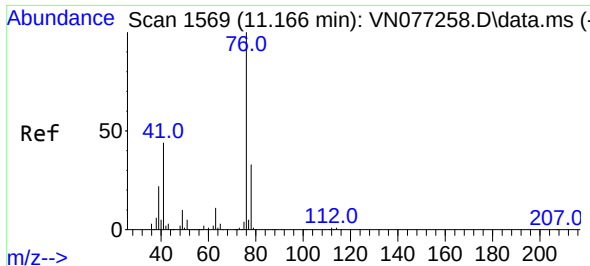
Tgt Ion: 75 Resp: 4198
Ion Ratio Lower Upper
75 100
77 10.5 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 15.462 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

Tgt Ion: 75 Resp: 189159
Ion Ratio Lower Upper
75 100
77 0.4 26.7 40.1#
39 25.2 32.8 49.2#

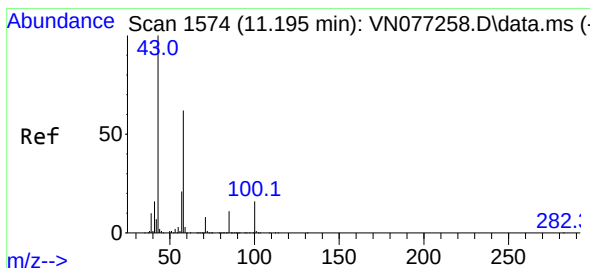
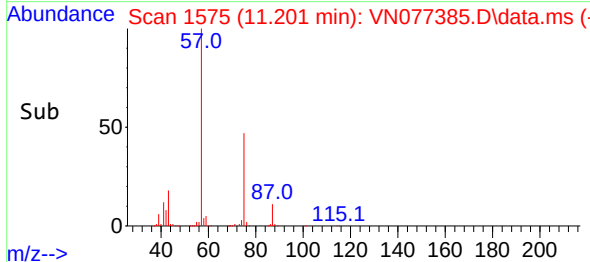
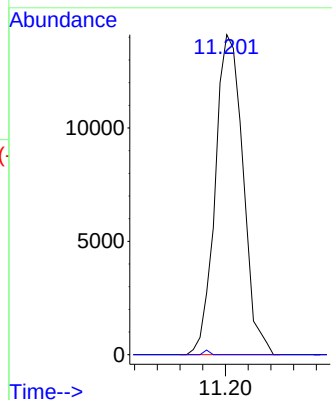
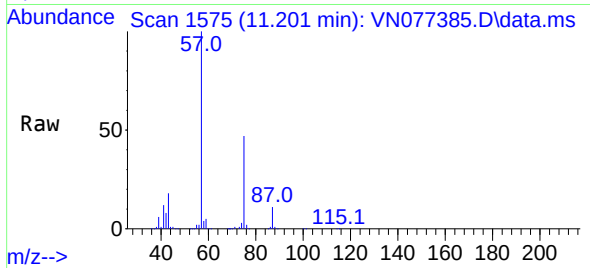




#57
1,3-Dichloropropane
Concen: 1.913 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.035 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

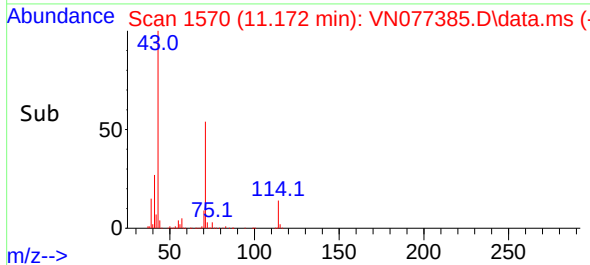
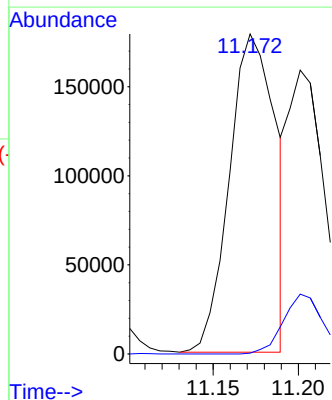
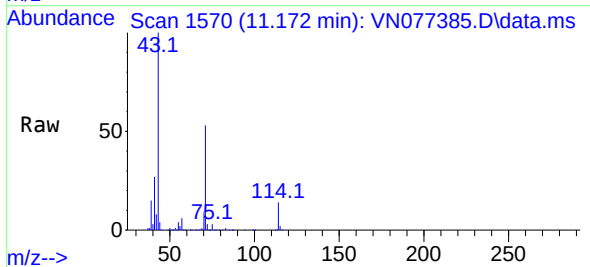
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#13

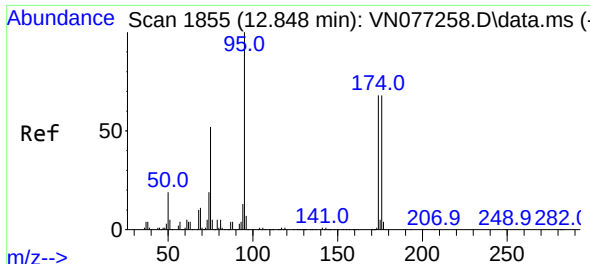
Tgt Ion: 76 Resp: 24013
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.4#



#59
2-Hexanone
Concen: 49.683 ug/l
RT: 11.172 min Scan# 1570
Delta R.T. -0.023 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

Tgt Ion: 43 Resp: 334887
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#

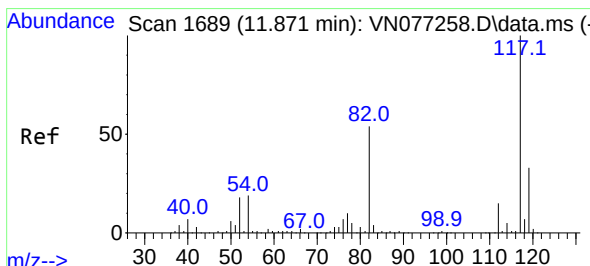
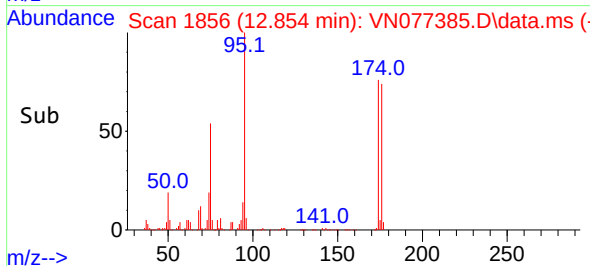
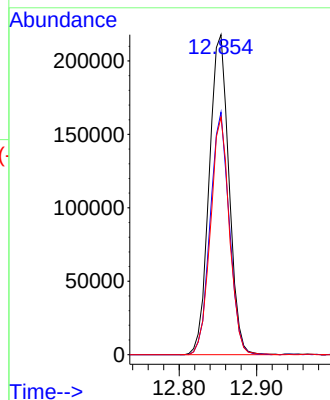
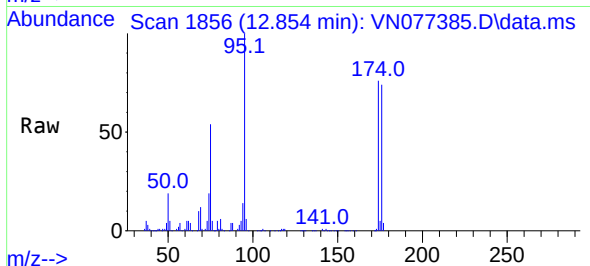




#62
4-Bromofluorobenzene
Concen: 44.897 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

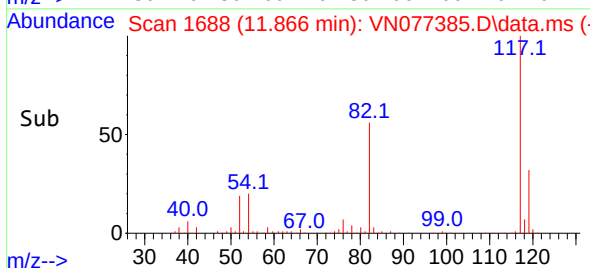
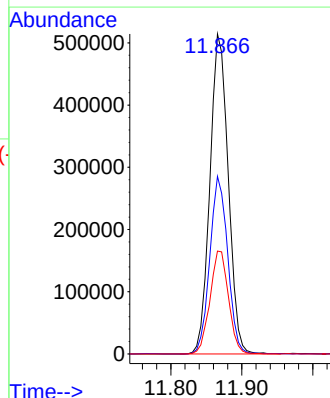
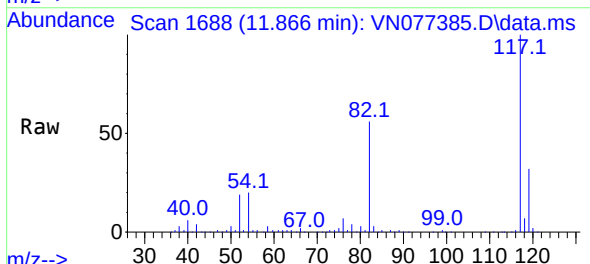
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#13

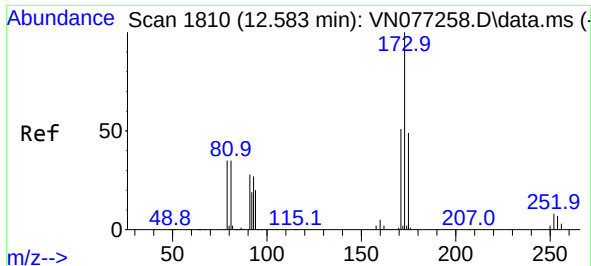
Tgt Ion: 95 Resp: 385338
Ion Ratio Lower Upper
95 100
174 73.1 0.0 146.8
176 71.1 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.005 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

Tgt Ion: 117 Resp: 921462
Ion Ratio Lower Upper
117 100
82 55.5 42.9 64.3
119 32.1 26.2 39.4

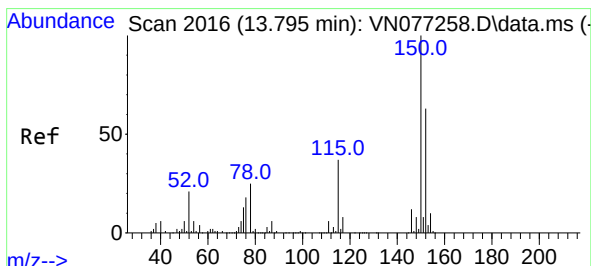
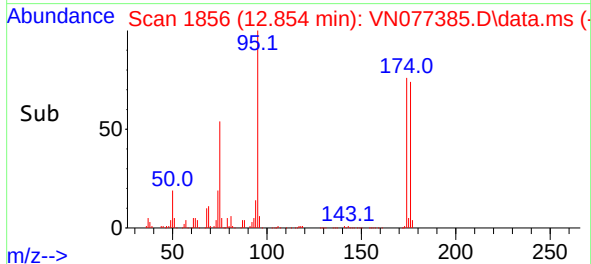
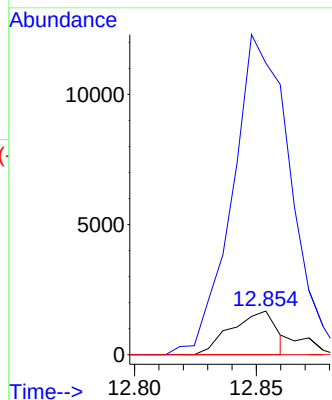
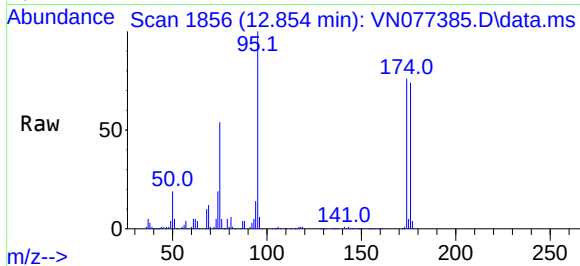




#71
Bromoform
Concen: 0.400 ug/l
RT: 12.854 min Scan# 1810
Delta R.T. 0.271 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

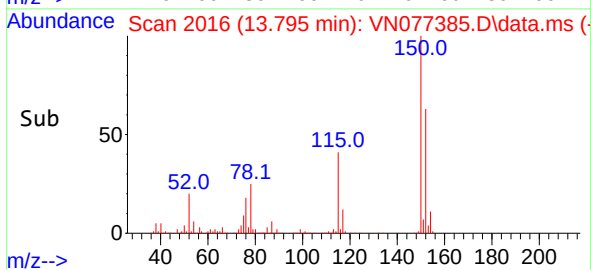
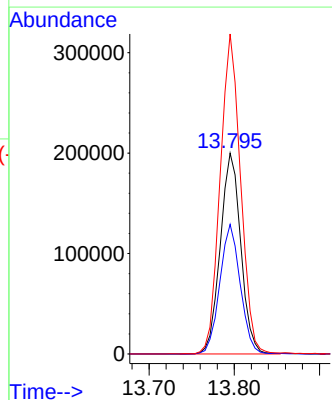
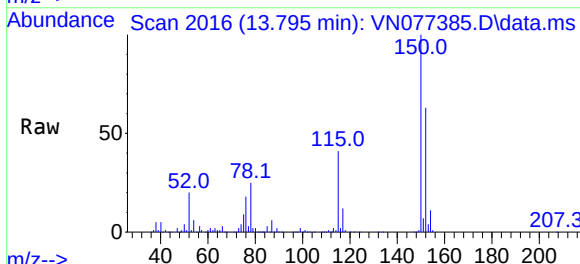
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#13

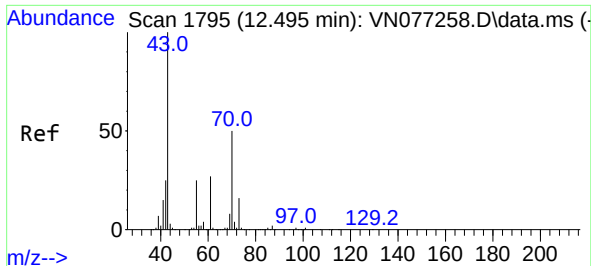
Tgt Ion:173 Resp: 2163
Ion Ratio Lower Upper
173 100
175 781.4 24.1 72.4#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

Tgt Ion:152 Resp: 333865
Ion Ratio Lower Upper
152 100
115 64.5 32.1 96.3
150 159.2 0.0 354.8



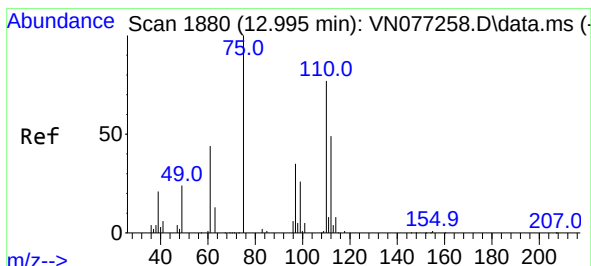
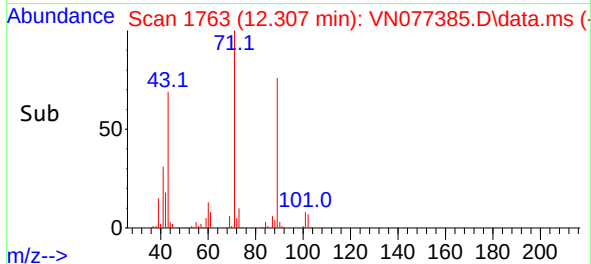
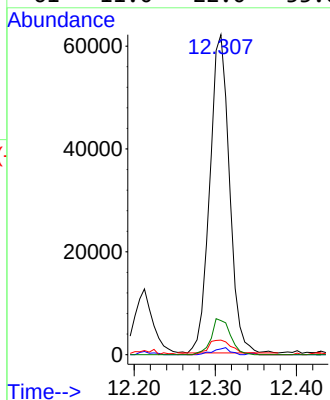
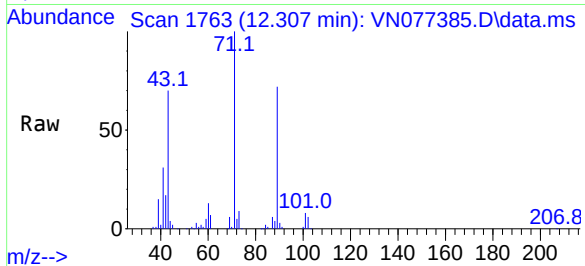


#74
N-amy1 acetate
Concen: 8.456 ug/l
RT: 12.307 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#13

Tgt Ion: 43 Resp: 103922

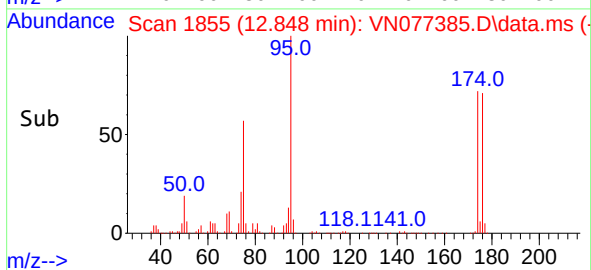
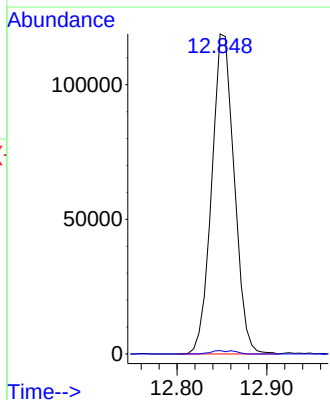
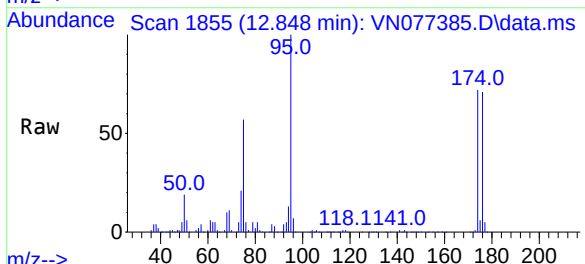
Ion	Ratio	Lower	Upper
43	100		
70	1.9	41.0	61.6#
55	5.7	19.3	28.9#
61	11.0	22.0	33.0#

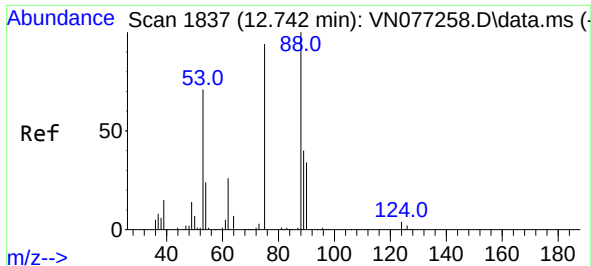


#76
1,2,3-Trichloropropane
Concen: 26.068 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.147 min
Lab File: VN077385.D
Acq: 19 Apr 2023 19:11

Tgt Ion: 75 Resp: 207249

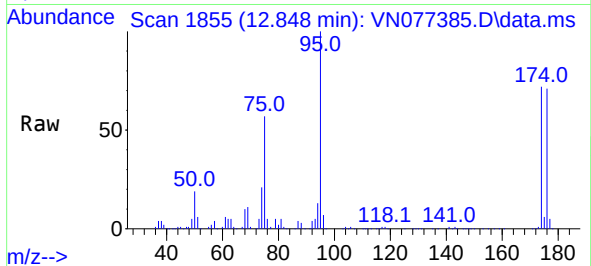
Ion	Ratio	Lower	Upper
75	100		
77	1.1	88.3	264.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.662 ug/l
 RT: 12.848 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN077385.D
 Acq: 19 Apr 2023 19:11

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152199ZHE#13



Tgt Ion: 75 Resp: 207249
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.8 109.2#
 89 0.0 37.4 56.2#

