

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041323\
 Data File : VN077332.D
 Acq On : 13 Apr 2023 16:39
 Operator : JC\MD
 Sample : PB152070ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152070ZHE#04

Quant Time: Apr 14 07:25:04 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)

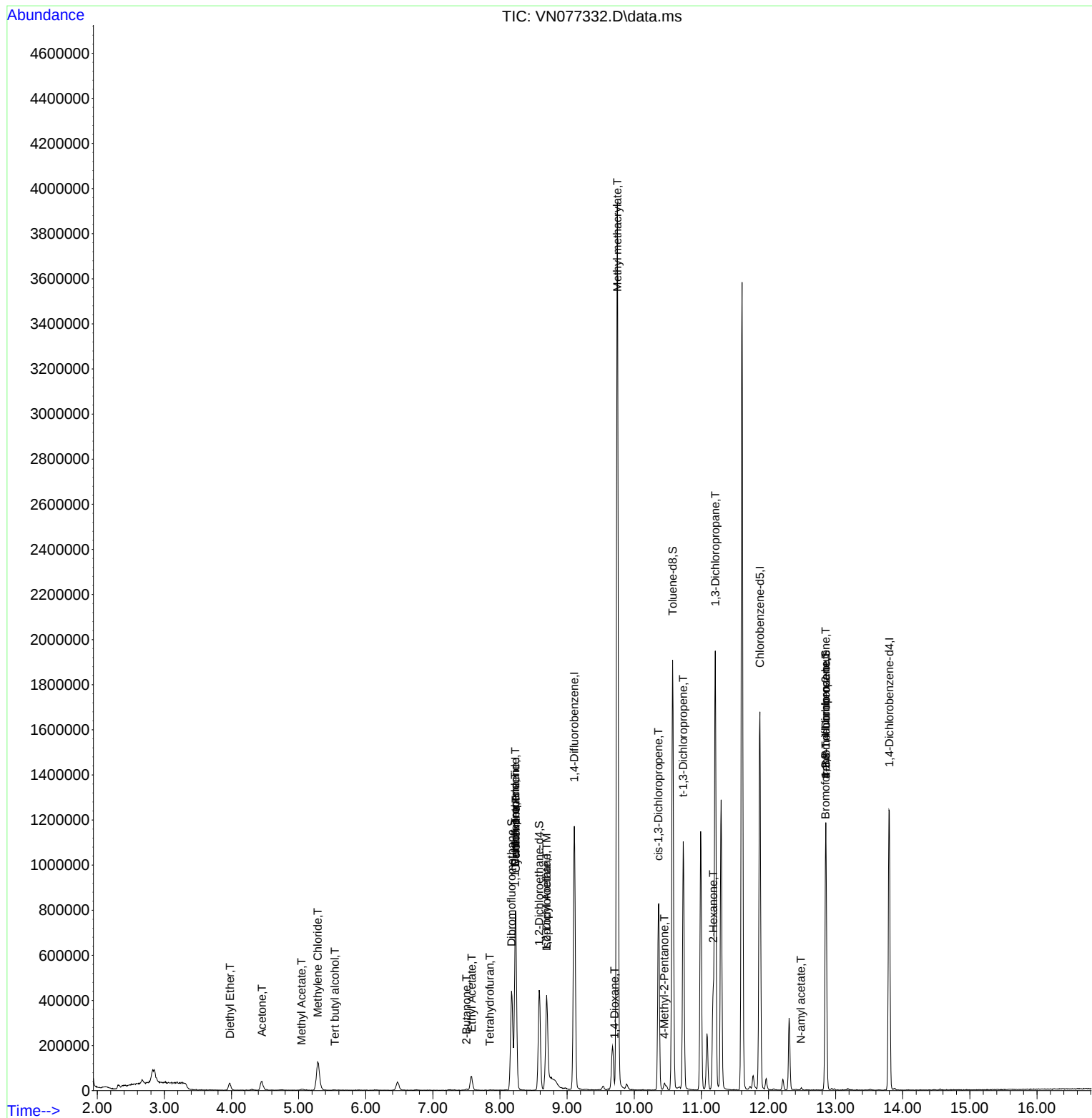
Internal Standards						
1) Pentafluorobenzene	8.231	168	567243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1072479	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	1001712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.801	152	348174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	344865	44.483	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.960%		
35) Dibromofluoromethane	8.172	113	323193	47.074	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.140%		
50) Toluene-d8	10.572	98	1338752	48.437	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.880%		
62) 4-Bromofluorobenzene	12.854	95	409985	44.601	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.200%		
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.978	74	21510	4.866	ug/l	97
11) Tert butyl alcohol	5.543	59	2044	1.292	ug/l	96
16) Acetone	4.454	43	70136	24.536	ug/l	97
18) Methyl Acetate	5.043	43	9900	0.909	ug/l	95
20) Methylene Chloride	5.284	84	112573	13.945	ug/l	97
25) 2-Butanone	7.501	43	7711	1.662	ug/l	95
29) Tetrahydrofuran	7.848	42	763	0.256	ug/l #	45
31) Cyclohexane	8.237	56	14634	1.215	ug/l #	29
36) 1,1-Dichloropropene	8.225	75	49520	4.877	ug/l #	52
37) Ethyl Acetate	7.578	43	93408	10.281	ug/l	99
38) Carbon Tetrachloride	8.231	117	62370	5.995	ug/l #	16
42) 1,2-Dichloroethane	8.695	62	3165	0.325	ug/l #	73
43) Isopropyl Acetate	8.695	43	486957	29.047	ug/l #	86
48) Methyl methacrylate	9.748	41	322296	45.067	ug/l #	33
49) 1,4-Dioxane	9.707	88	61	0.352	ug/l #	28
51) 4-Methyl-2-Pentanone	10.448	43	19645	2.027	ug/l	93
53) t-1,3-Dichloropropene	10.730	75	3701	0.301	ug/l #	52
54) cis-1,3-Dichloropropene	10.360	75	171875	13.118	ug/l #	60
57) 1,3-Dichloropropane	11.207	76	21546	1.603	ug/l #	42
59) 2-Hexanone	11.178	43	302348	41.881	ug/l #	20
71) Bromoform	12.848	173	2267	0.386	ug/l #	1
74) N-amyl acetate	12.483	43	6094	0.476	ug/l #	44
76) 1,2,3-Trichloropropane	12.854	75	219458	26.470	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	219458	59.565	ug/l #	13

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

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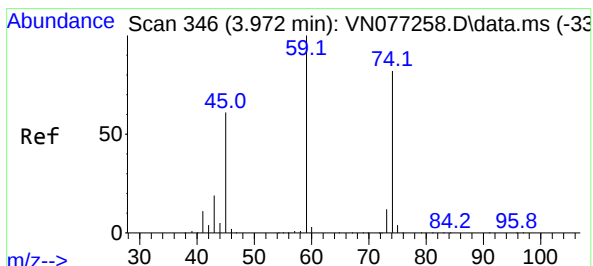
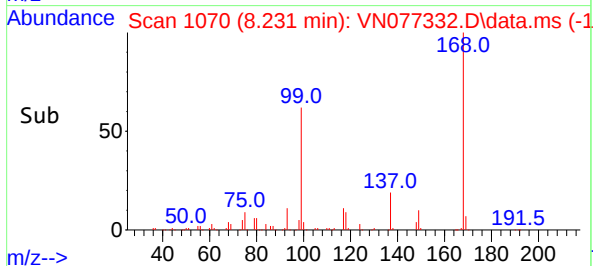
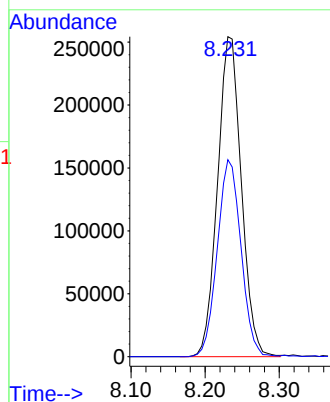
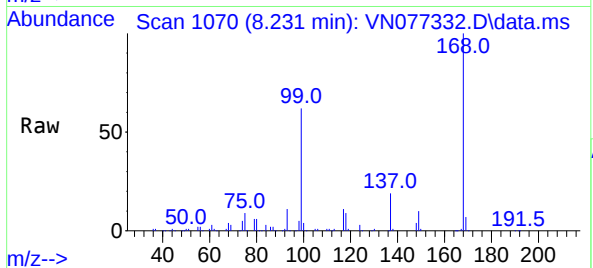




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

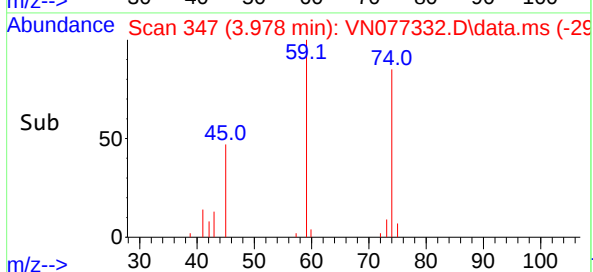
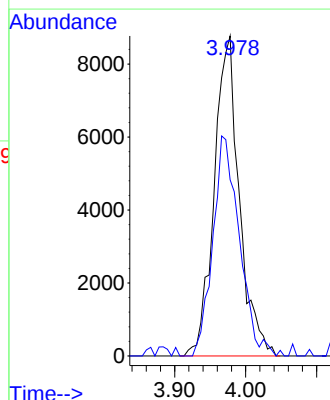
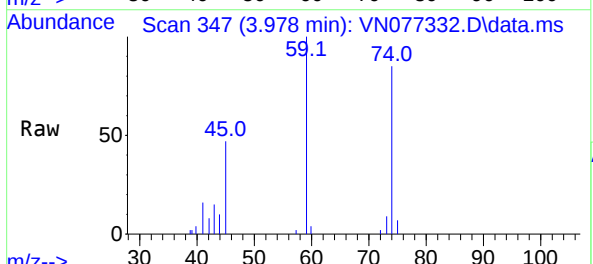
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#04

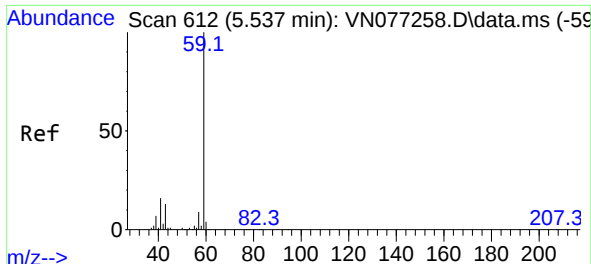
Tgt Ion:168 Resp: 567243
Ion Ratio Lower Upper
168 100
99 61.6 50.6 75.8



#8
Diethyl Ether
Concen: 4.866 ug/l
RT: 3.978 min Scan# 347
Delta R.T. 0.006 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

Tgt Ion: 74 Resp: 21510
Ion Ratio Lower Upper
74 100
45 72.9 37.8 113.4

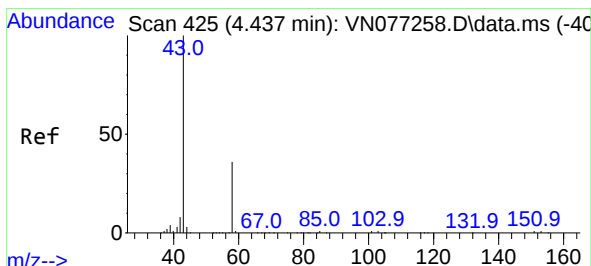
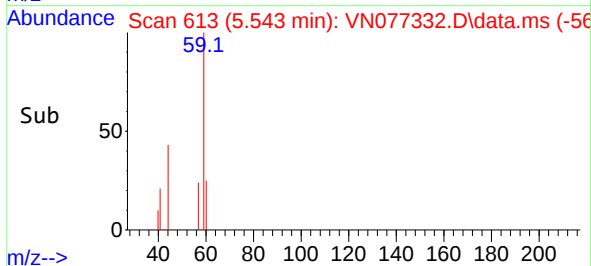
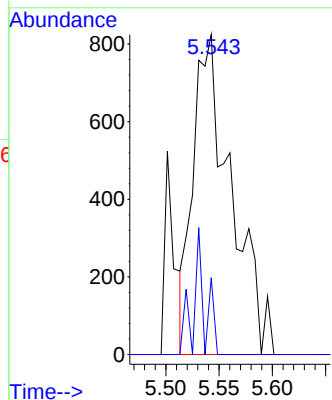
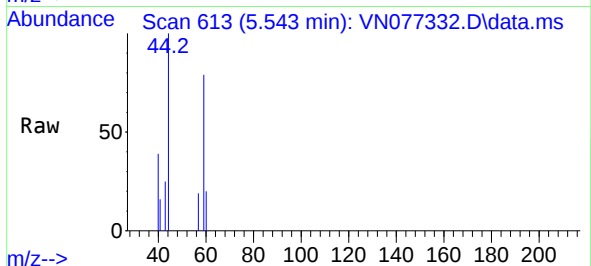




#11
Tert butyl alcohol
Concen: 1.292 ug/l
RT: 5.543 min Scan# 612
Delta R.T. 0.006 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

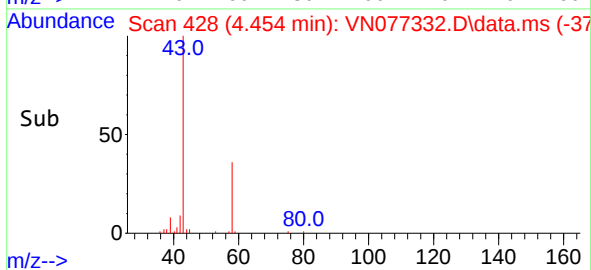
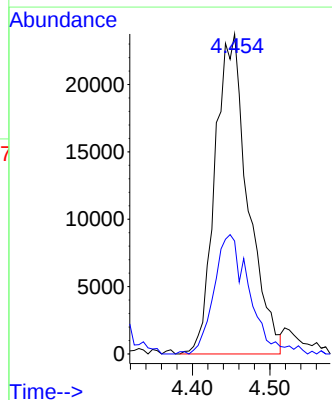
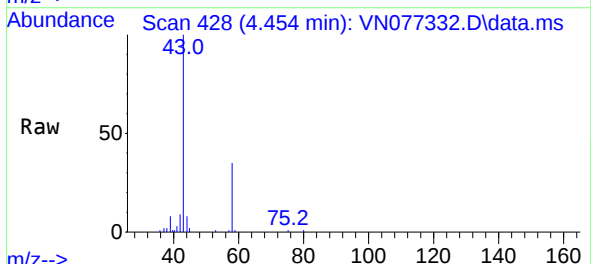
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#04

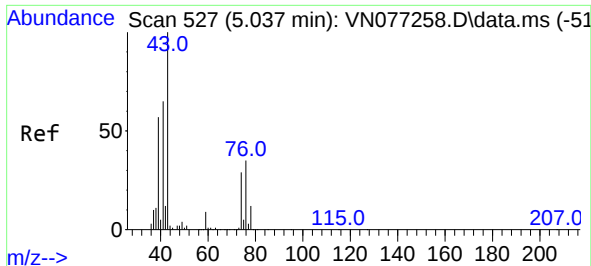
Tgt Ion: 59 Resp: 2044
Ion Ratio Lower Upper
59 100
57 12.0 8.3 12.5



#16
Acetone
Concen: 24.536 ug/l
RT: 4.454 min Scan# 428
Delta R.T. 0.017 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

Tgt Ion: 43 Resp: 70136
Ion Ratio Lower Upper
43 100
58 34.6 29.0 43.6

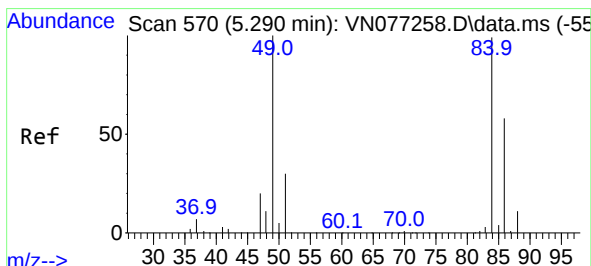
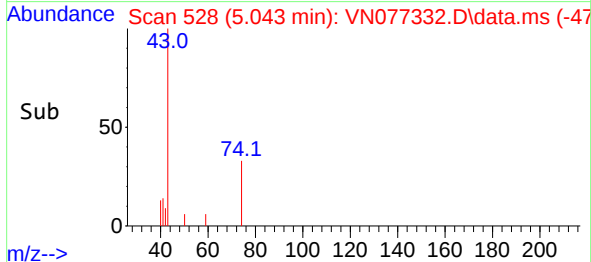
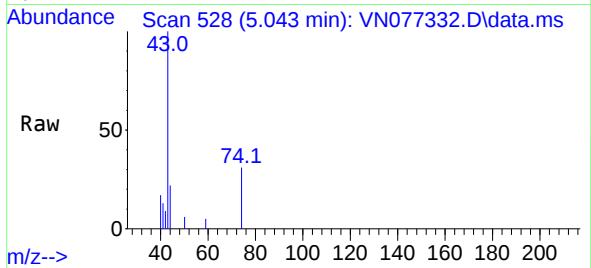




#18
Methyl Acetate
Concen: 0.909 ug/l
RT: 5.043 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

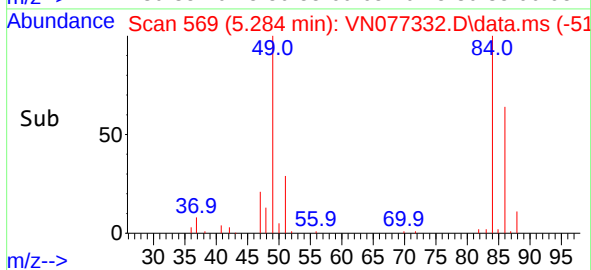
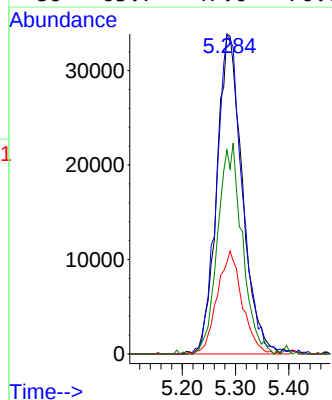
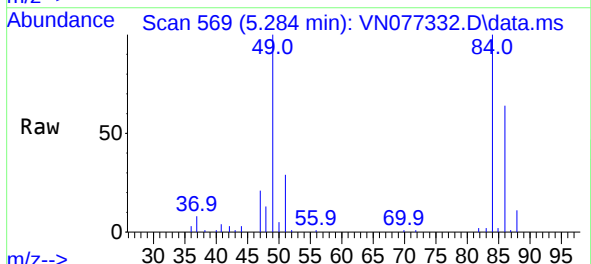
Instrument :
MSVOA_N
ClientSampleId :
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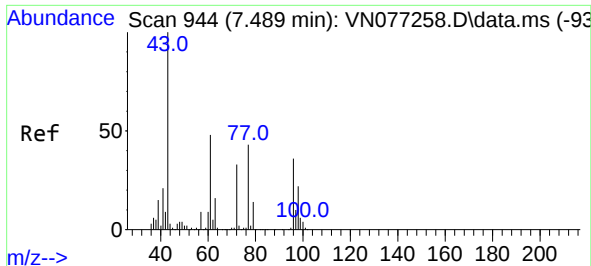
Tgt Ion: 43 Resp: 9900
Ion Ratio Lower Upper
43 100
74 32.0 23.4 35.2



#20
Methylene Chloride
Concen: 13.945 ug/l
RT: 5.284 min Scan# 569
Delta R.T. -0.006 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

Tgt Ion: 84 Resp: 112573
Ion Ratio Lower Upper
84 100
49 99.7 80.6 121.0
51 28.6 24.4 36.6
86 63.7 47.0 70.6

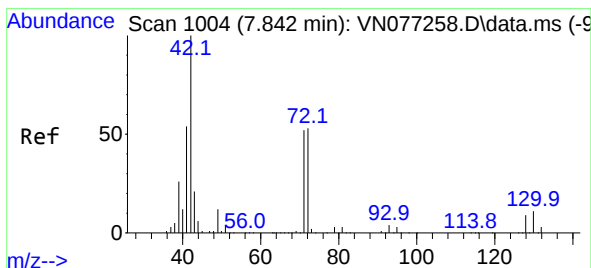
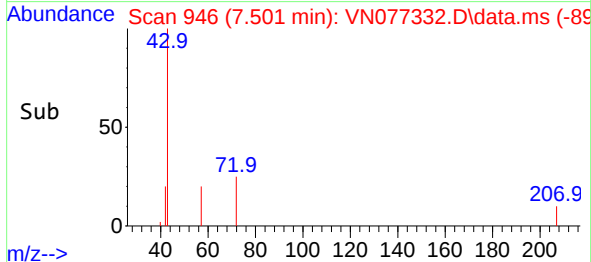
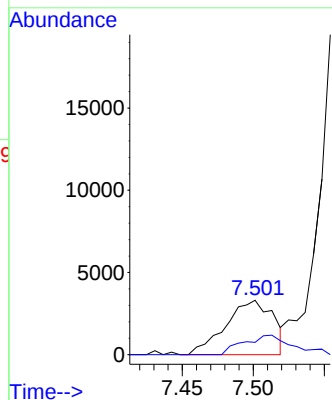
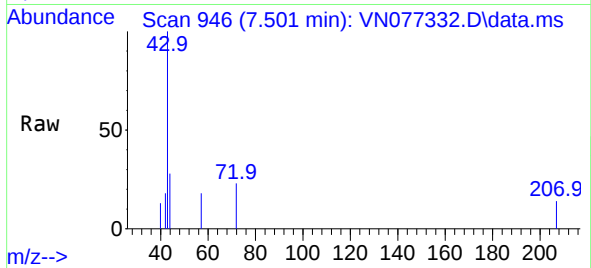




#25
2-Butanone
Concen: 1.662 ug/l
RT: 7.501 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

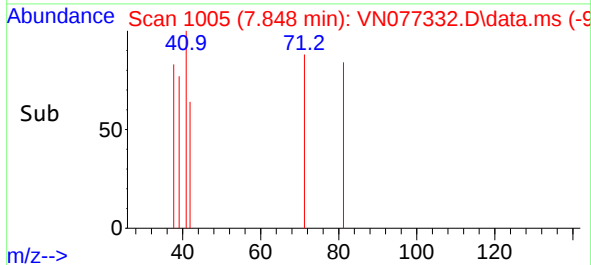
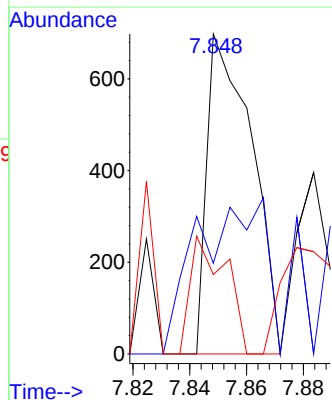
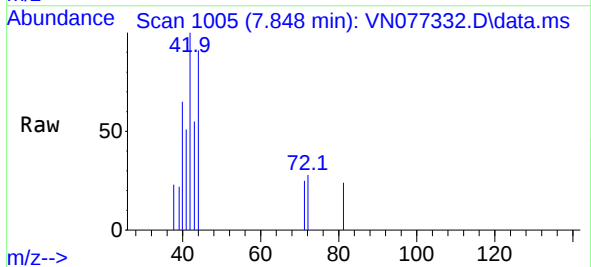
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#04

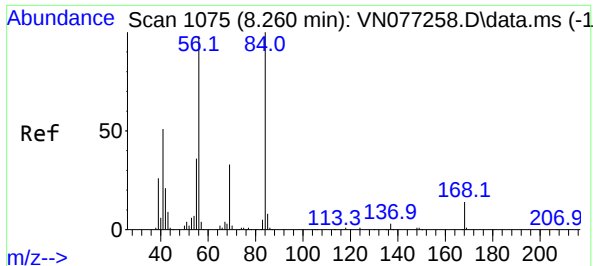
Tgt Ion: 43 Resp: 7711
Ion Ratio Lower Upper
43 100
72 30.2 26.6 39.8



#29
Tetrahydrofuran
Concen: 0.256 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

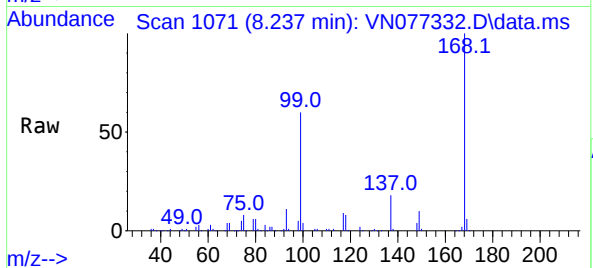
Tgt Ion: 42 Resp: 763
Ion Ratio Lower Upper
42 100
72 0.0 44.6 66.8#
71 29.5 41.3 61.9#



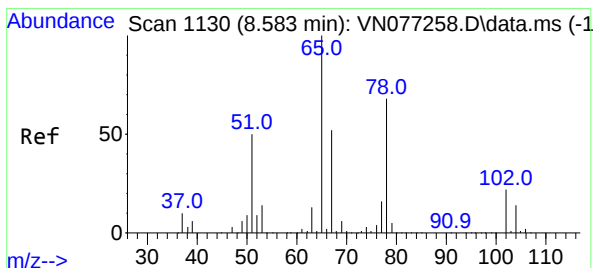
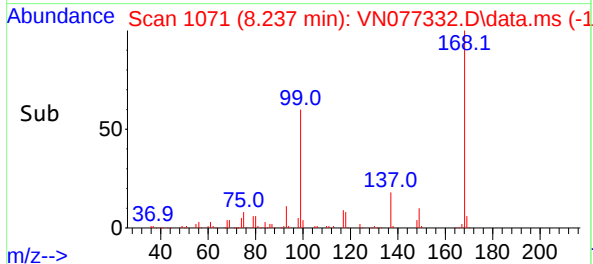
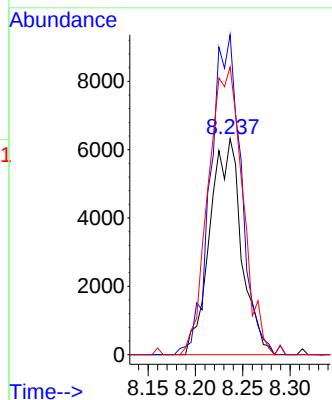


#31
Cyclohexane
Concen: 1.215 ug/l
RT: 8.237 min Scan# 1071
Delta R.T. -0.023 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#04

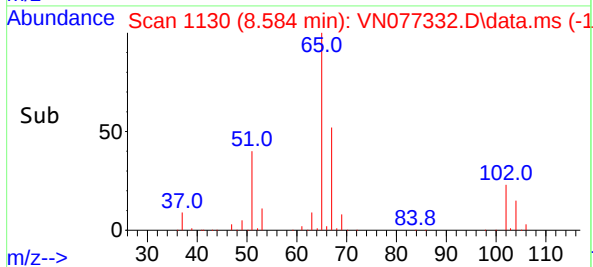
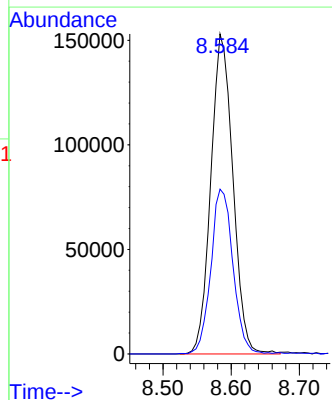
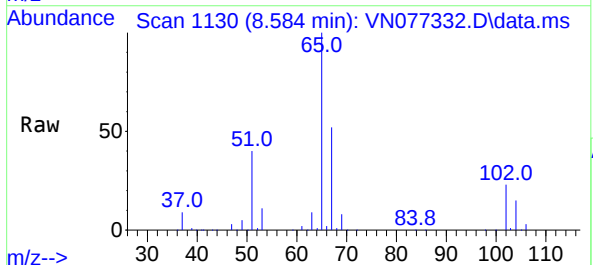


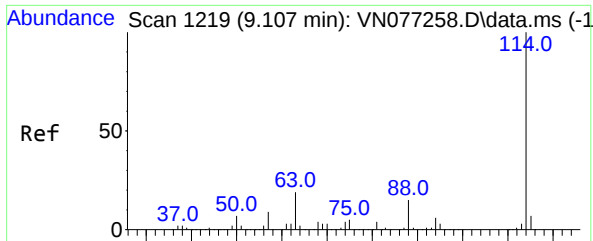
Tgt Ion: 56 Resp: 14634
Ion Ratio Lower Upper
56 100
69 145.3 26.6 40.0#
84 133.2 81.8 122.8#



#33
1,2-Dichloroethane-d4
Concen: 44.483 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

Tgt Ion: 65 Resp: 344865
Ion Ratio Lower Upper
65 100
67 51.7 0.0 108.8

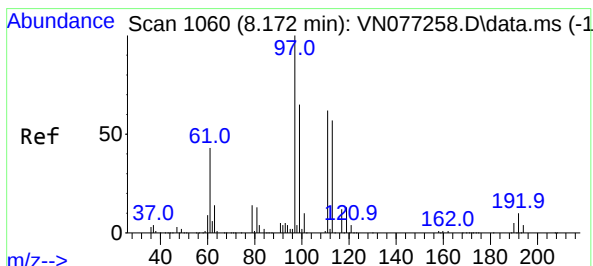
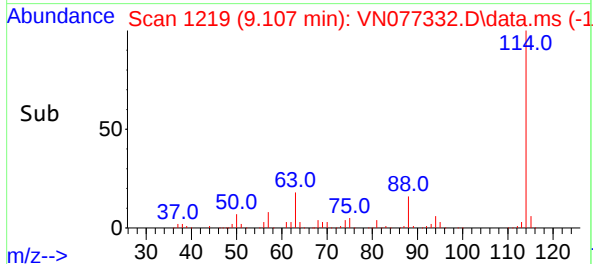
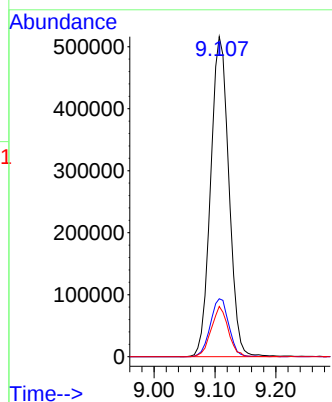
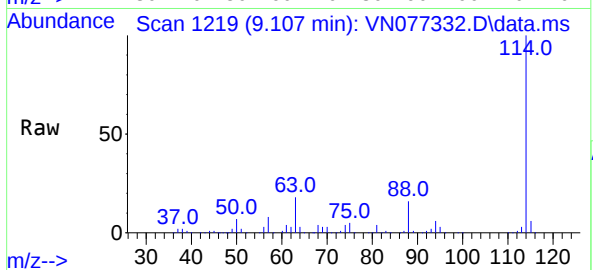




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

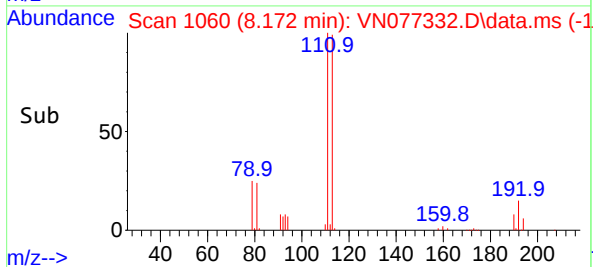
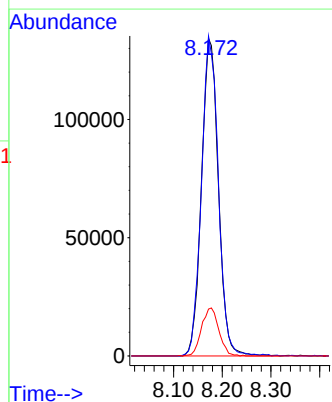
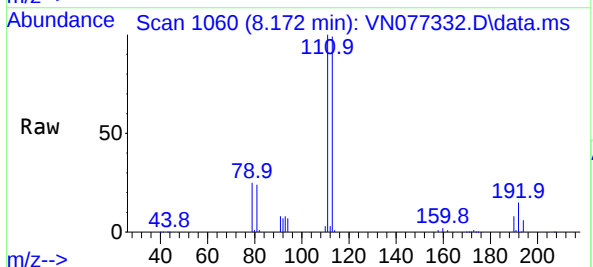
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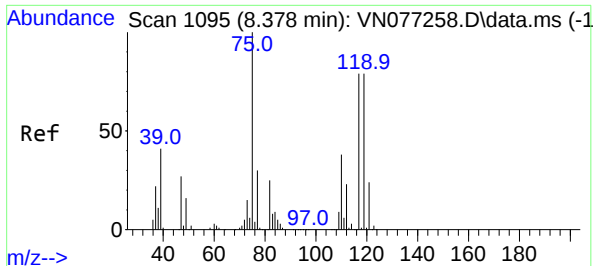
Tgt Ion:114 Resp: 1072479
Ion Ratio Lower Upper
114 100
63 18.1 0.0 37.8
88 15.7 0.0 29.4



#35
Dibromofluoromethane
Concen: 47.074 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

Tgt Ion:113 Resp: 323193
Ion Ratio Lower Upper
113 100
111 100.6 83.4 125.0
192 15.6 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.877 ug/l

RT: 8.225 min Scan# 1069

Delta R.T. -0.153 min

Lab File: VN077332.D

Acq: 13 Apr 2023 16:39

Instrument :

MSVOA_N

ClientSampleId :

PB152070ZHE#04

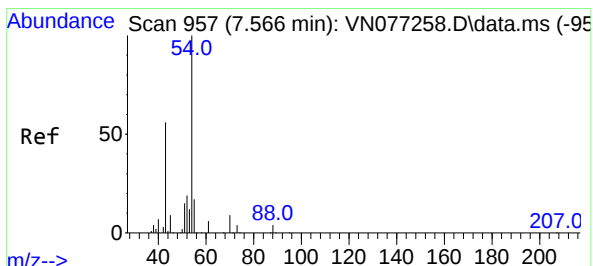
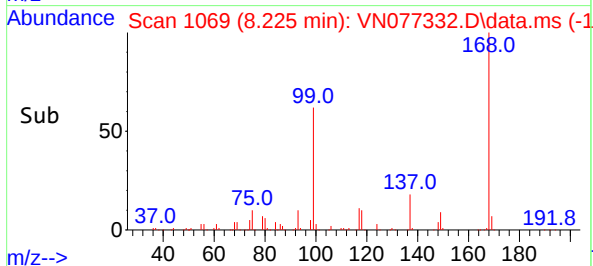
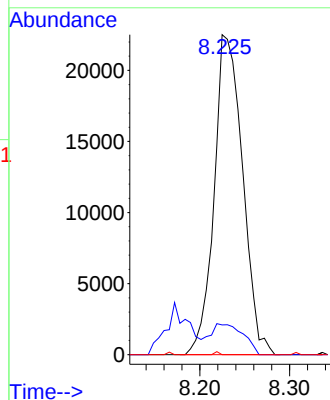
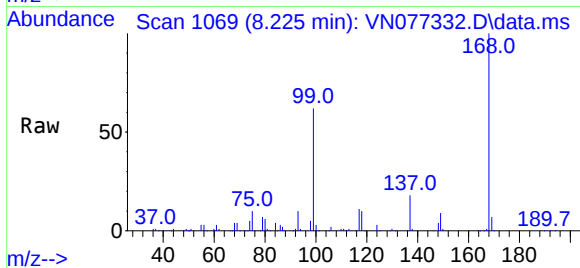
Tgt Ion: 75 Resp: 49520

Ion Ratio Lower Upper

75 100

110 11.3 17.8 53.5#

77 0.1 25.0 37.4#



#37

Ethyl Acetate

Concen: 10.281 ug/l

RT: 7.578 min Scan# 959

Delta R.T. 0.012 min

Lab File: VN077332.D

Acq: 13 Apr 2023 16:39

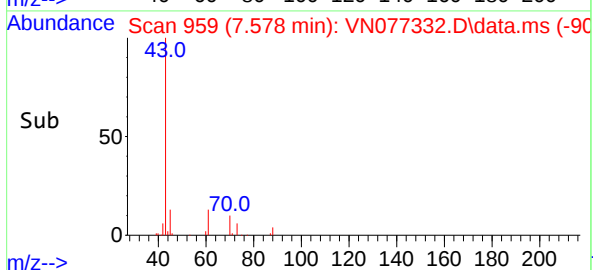
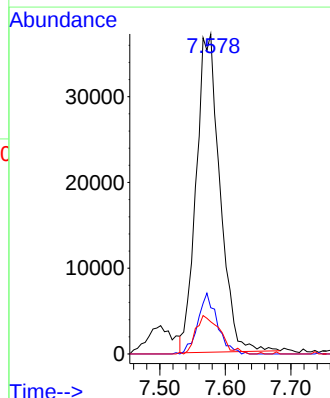
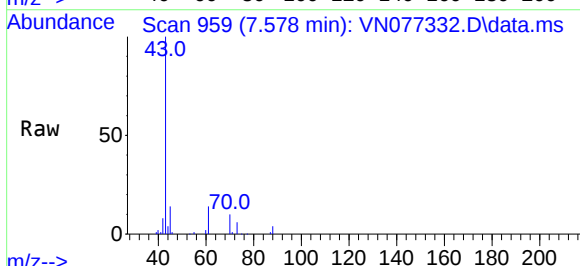
Tgt Ion: 43 Resp: 93408

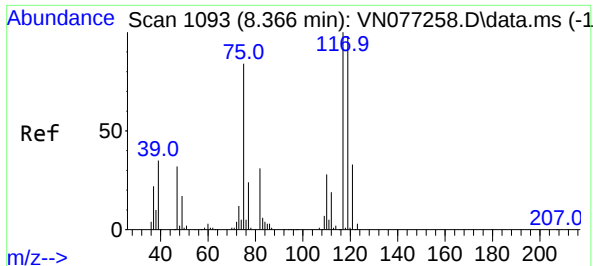
Ion Ratio Lower Upper

43 100

61 15.7 12.2 18.2

70 12.4 10.0 15.0

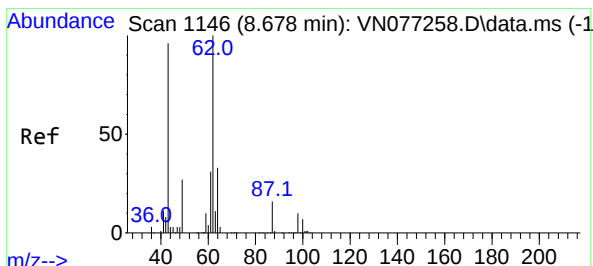
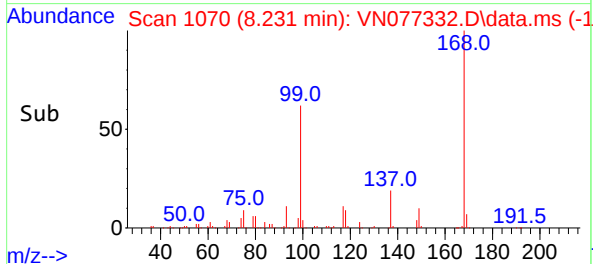
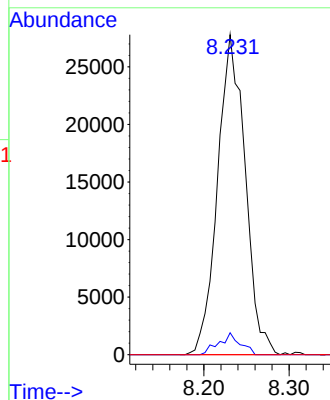
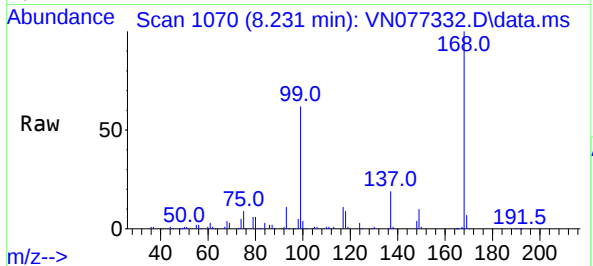




#38
Carbon Tetrachloride
Concen: 5.995 ug/l
RT: 8.231 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

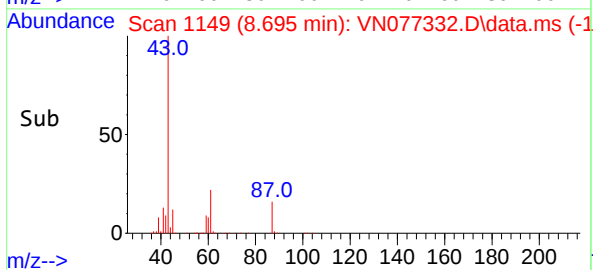
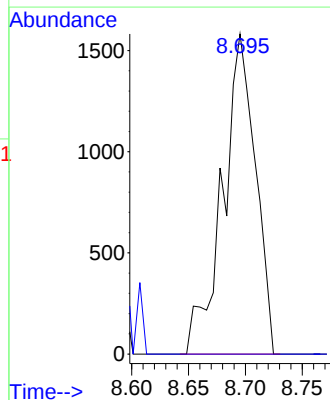
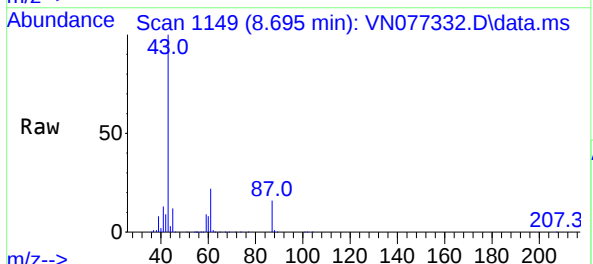
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#04

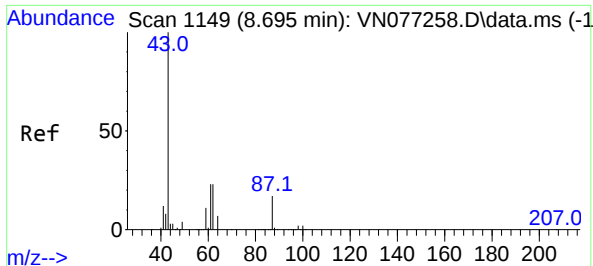
Tgt Ion:117 Resp: 62370
Ion Ratio Lower Upper
117 100
119 6.8 78.5 117.7#
121 0.0 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 0.325 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.017 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

Tgt Ion: 62 Resp: 3165
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2

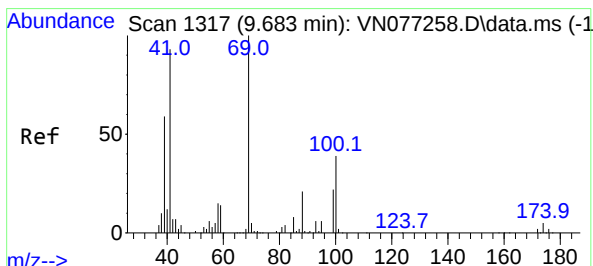
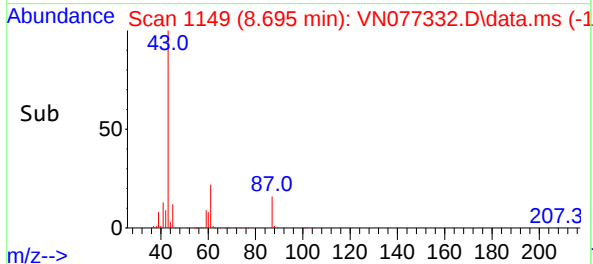
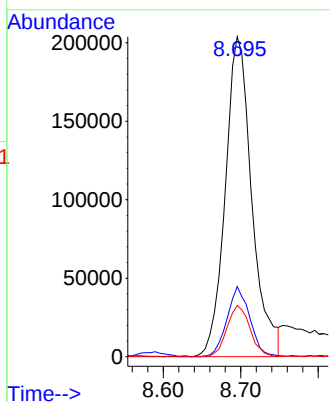
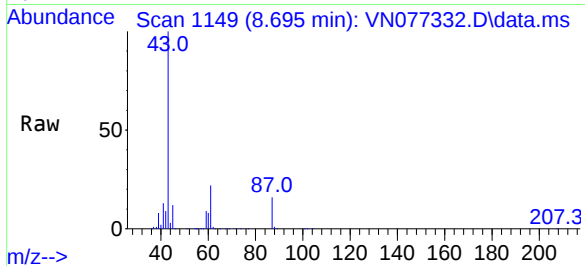




#43
Isopropyl Acetate
Concen: 29.047 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

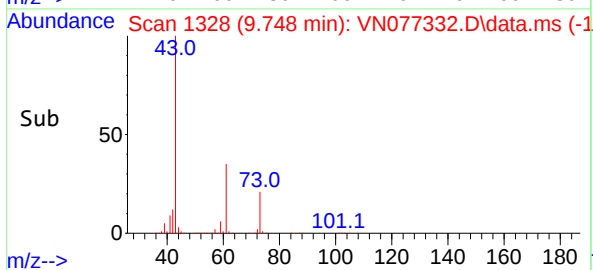
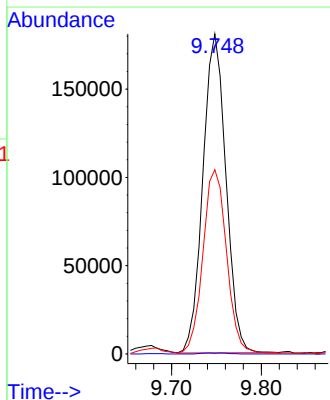
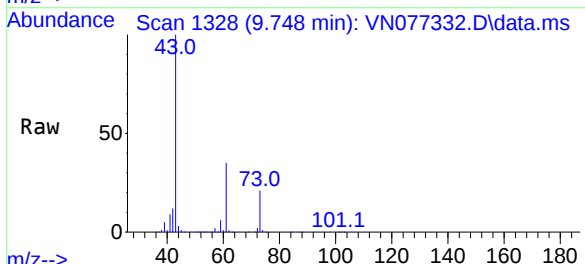
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#04

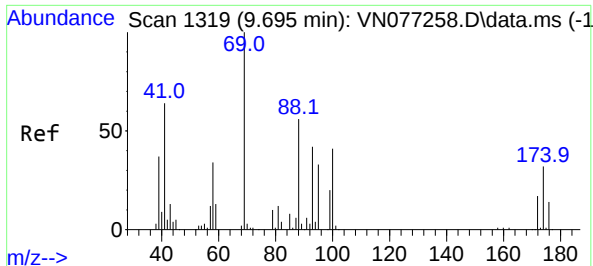
Tgt Ion: 43 Resp: 486957
Ion Ratio Lower Upper
43 100
61 18.8 22.7 34.1#
87 13.8 13.6 20.4



#48
Methyl methacrylate
Concen: 45.067 ug/l
RT: 9.748 min Scan# 1328
Delta R.T. 0.065 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

Tgt Ion: 41 Resp: 322296
Ion Ratio Lower Upper
41 100
69 0.3 85.0 127.6#
39 59.1 53.5 80.3

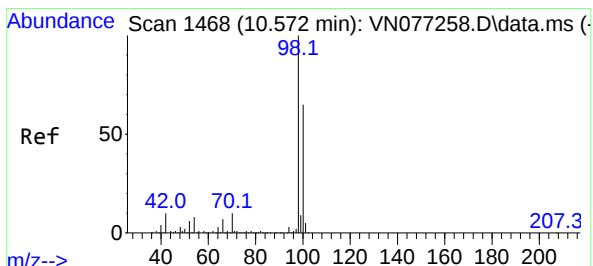
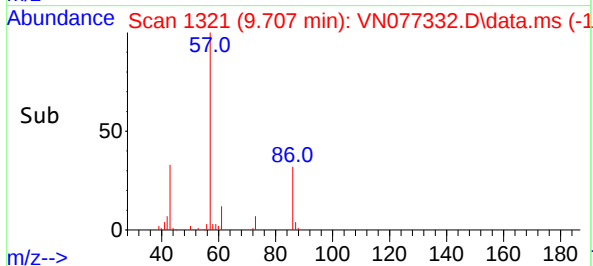
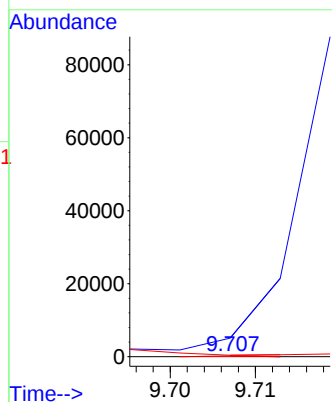
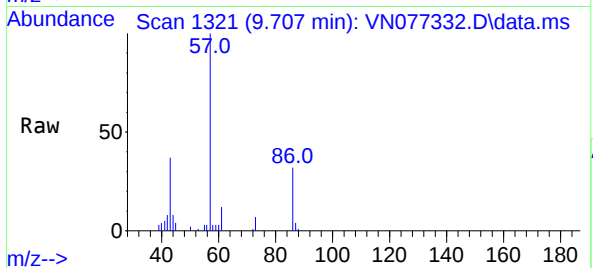




#49
1,4-Dioxane
Concen: 0.352 ug/l
RT: 9.707 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

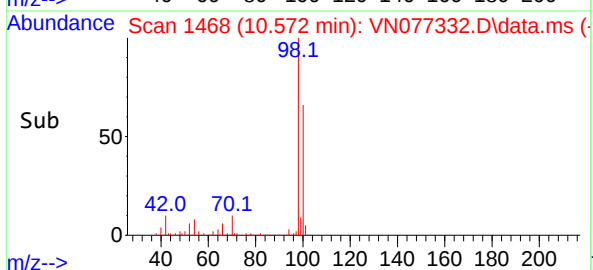
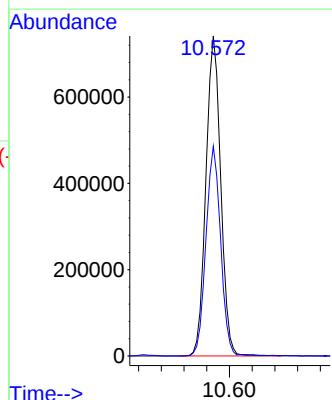
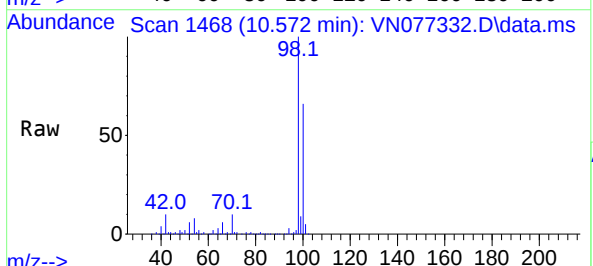
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#04

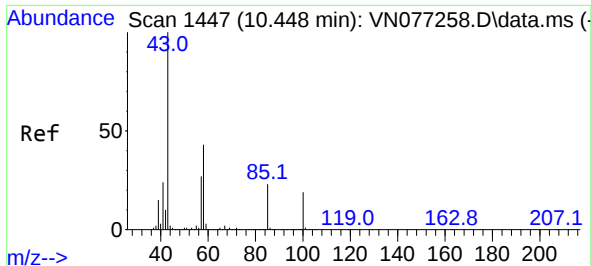
Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 49.8 74.6#



#50
Toluene-d8
Concen: 48.437 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

Tgt Ion: 98 Resp: 1338752
Ion Ratio Lower Upper
98 100
100 64.9 51.3 76.9

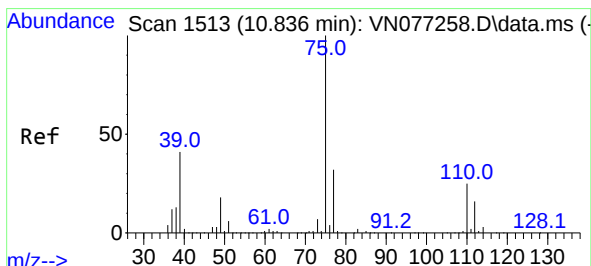
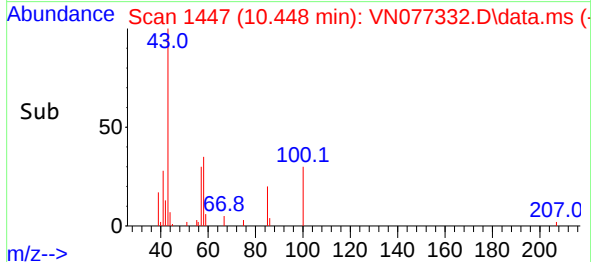
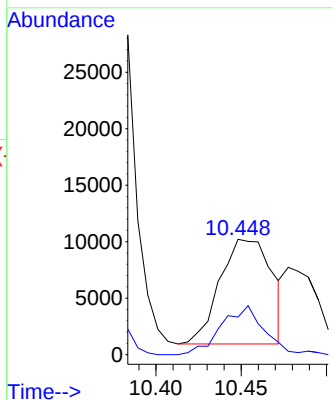
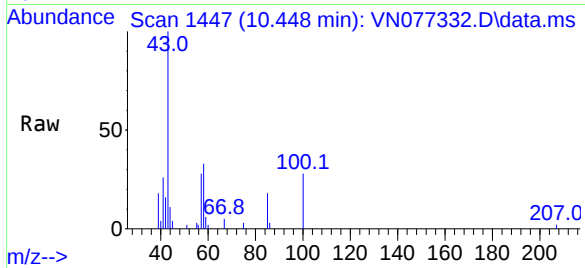




#51
4-Methyl-2-Pentanone
Concen: 2.027 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

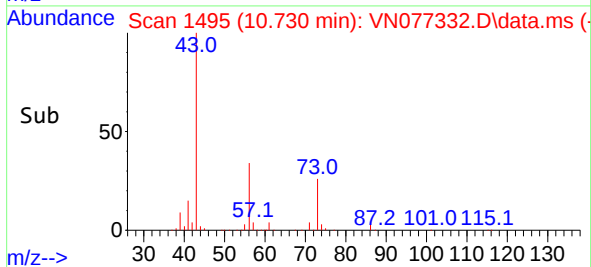
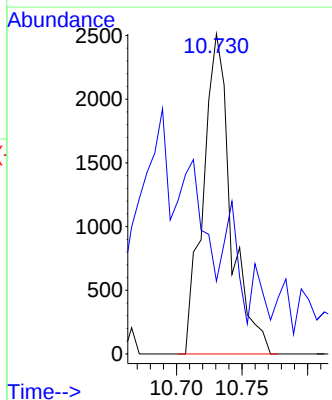
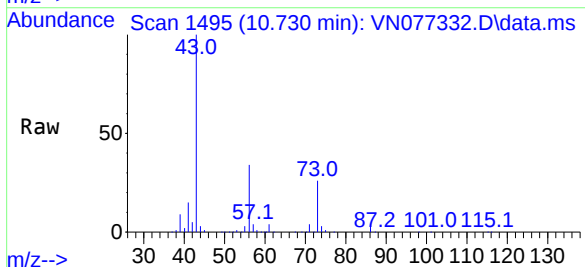
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#04

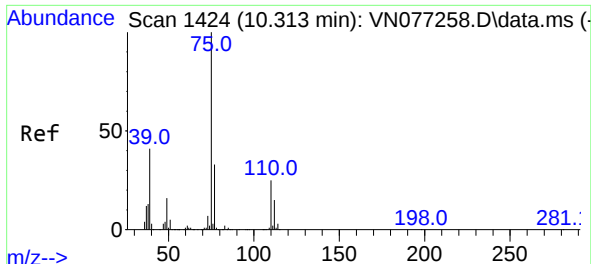
Tgt Ion: 43 Resp: 19645
Ion Ratio Lower Upper
43 100
58 39.0 34.6 52.0



#53
t-1,3-Dichloropropene
Concen: 0.301 ug/l
RT: 10.730 min Scan# 1495
Delta R.T. -0.106 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

Tgt Ion: 75 Resp: 3701
Ion Ratio Lower Upper
75 100
77 5.2 25.4 38.0#

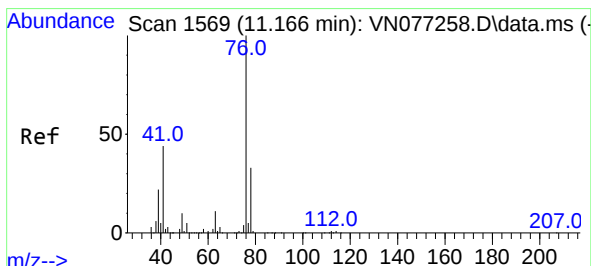
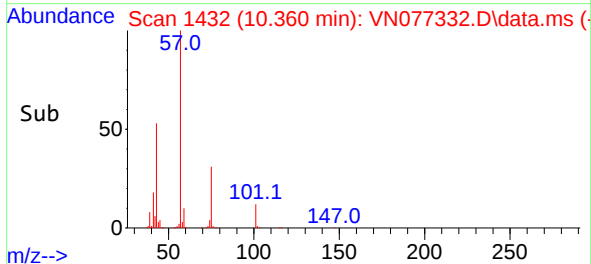
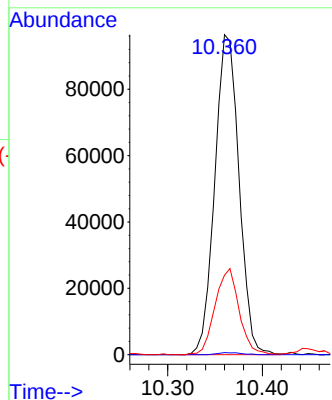
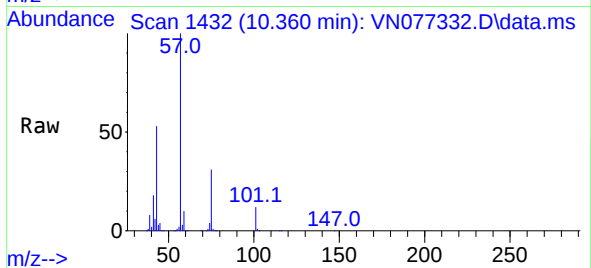




#54
cis-1,3-Dichloropropene
Concen: 13.118 ug/l
RT: 10.360 min Scan# 1424
Delta R.T. 0.047 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

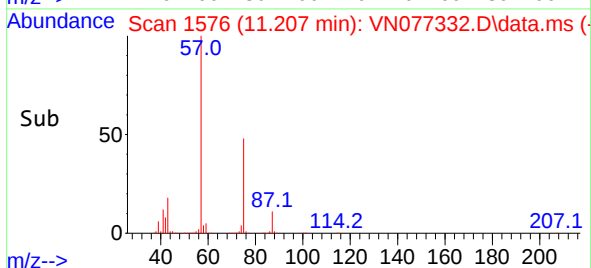
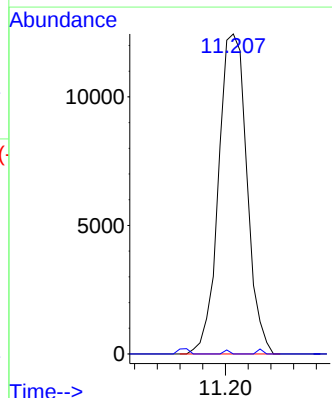
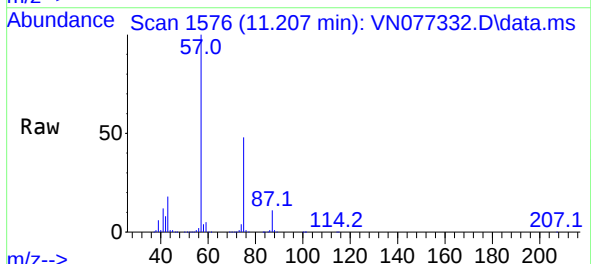
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#04

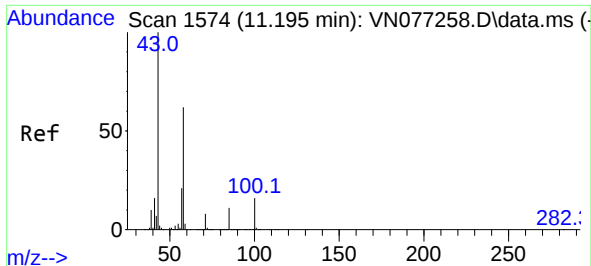
Tgt Ion: 75 Resp: 171875
Ion Ratio Lower Upper
75 100
77 0.6 26.7 40.1#
39 24.6 32.8 49.2#



#57
1,3-Dichloropropane
Concen: 1.603 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.041 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

Tgt Ion: 76 Resp: 21546
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.4#

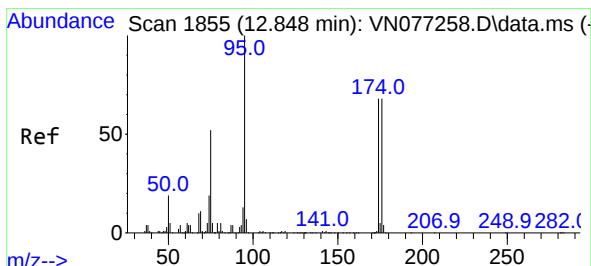
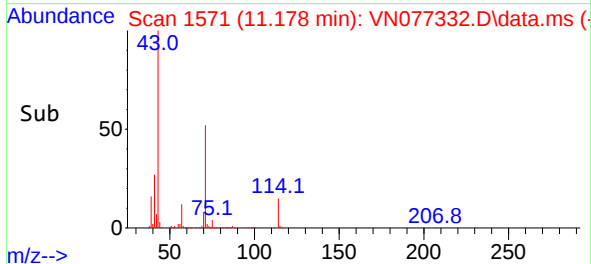
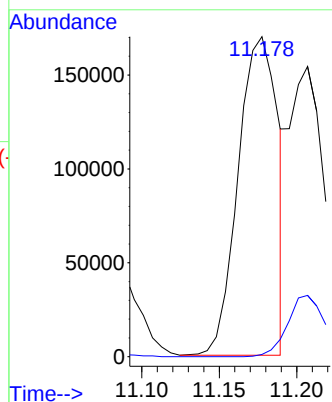
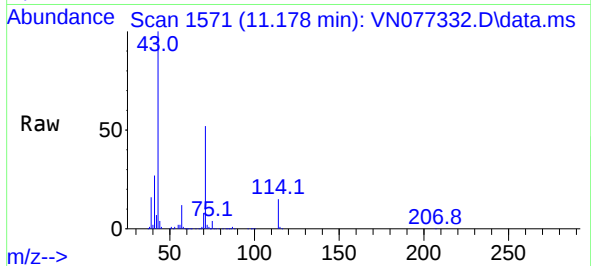




#59
2-Hexanone
Concen: 41.881 ug/l
RT: 11.178 min Scan# 11170
Delta R.T. -0.018 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

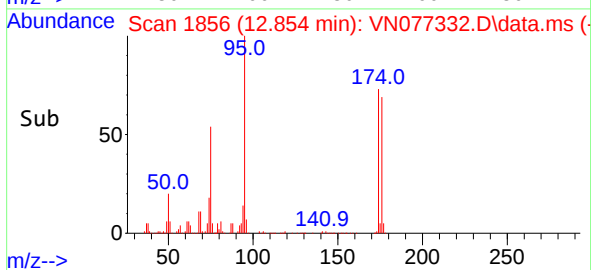
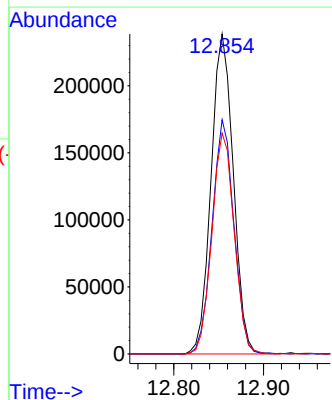
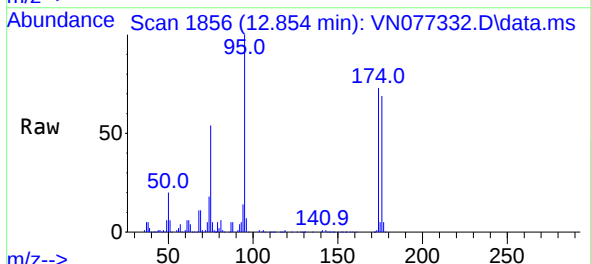
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#04

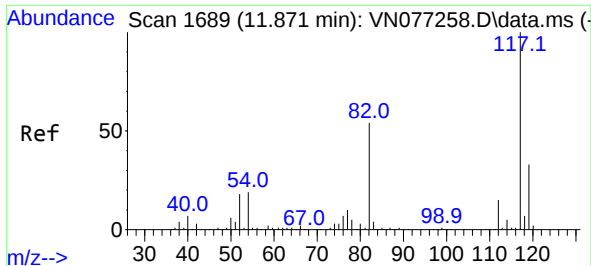
Tgt Ion: 43 Resp: 302348
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 44.601 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

Tgt Ion: 95 Resp: 409985
Ion Ratio Lower Upper
95 100
174 72.1 0.0 146.8
176 69.2 0.0 139.6

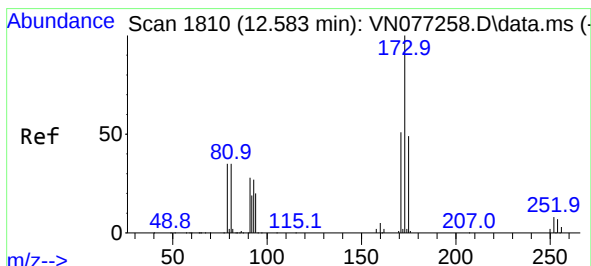
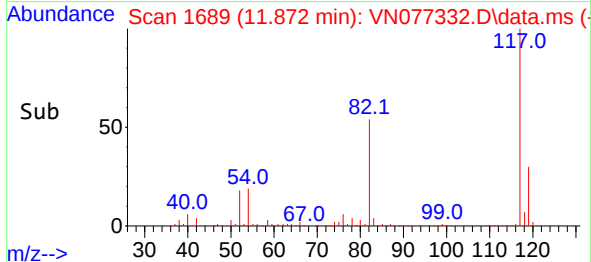
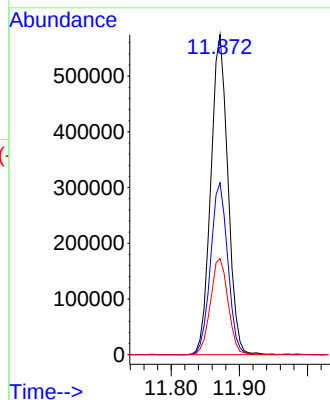
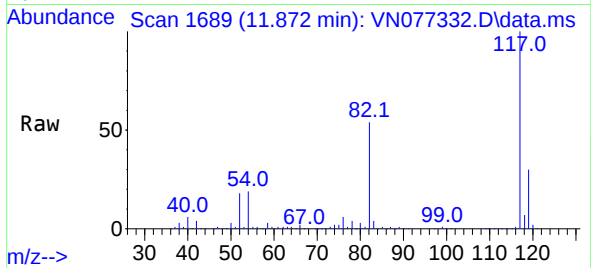




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

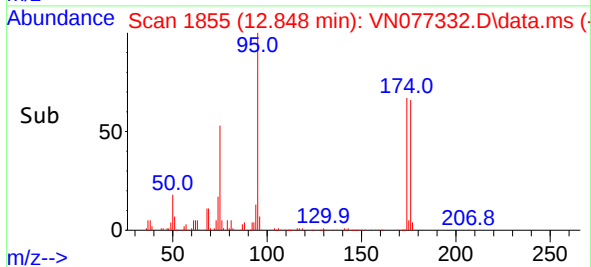
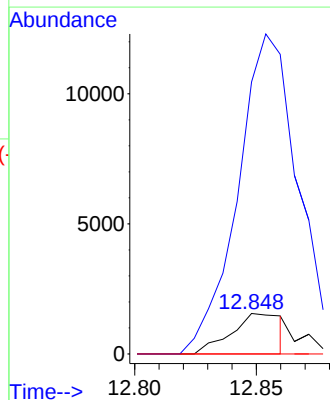
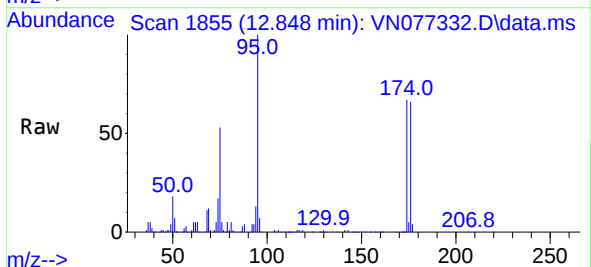
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#04

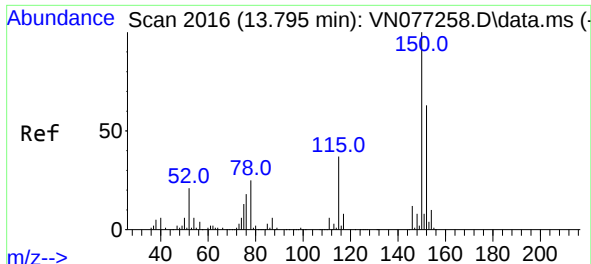
Tgt Ion:117 Resp: 1001712
Ion Ratio Lower Upper
117 100
82 53.7 42.9 64.3
119 30.1 26.2 39.4



#71
Bromoform
Concen: 0.386 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.265 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

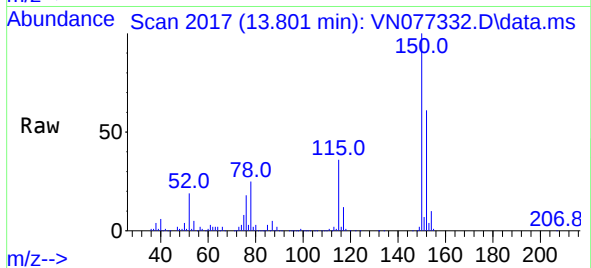
Tgt Ion:173 Resp: 2267
Ion Ratio Lower Upper
173 100
175 709.7 24.1 72.4#
254 0.0 0.1 0.1#



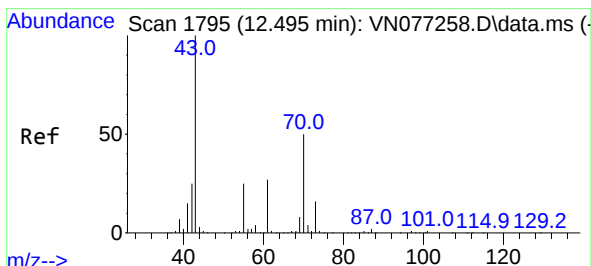
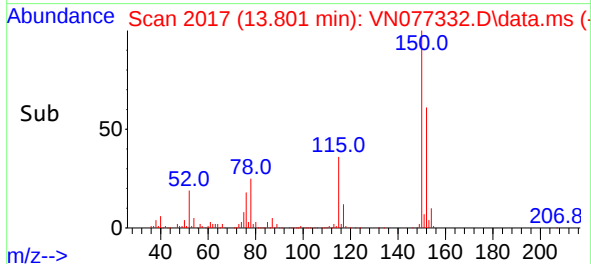
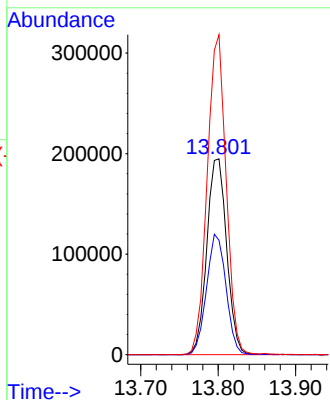


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.801 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#04

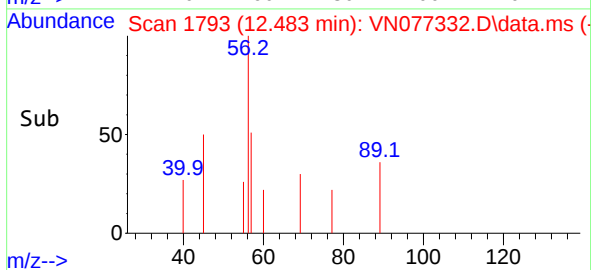
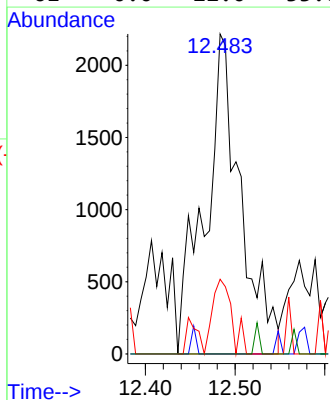
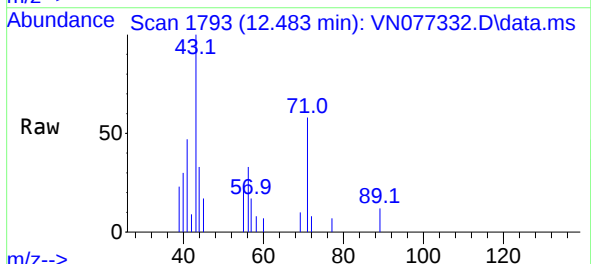


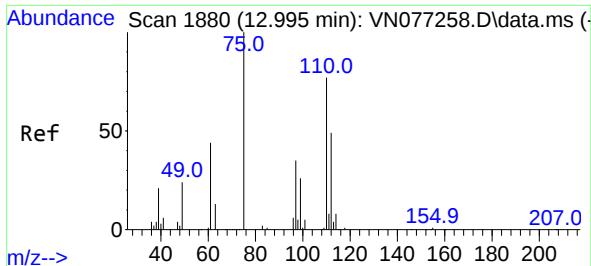
Tgt Ion:152 Resp: 348174
Ion Ratio Lower Upper
152 100
115 60.4 32.1 96.3
150 155.2 0.0 354.8



#74
N-amy1 acetate
Concen: 0.476 ug/l
RT: 12.483 min Scan# 1793
Delta R.T. -0.012 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

Tgt Ion: 43 Resp: 6094
Ion Ratio Lower Upper
43 100
70 0.0 41.0 61.6#
55 12.7 19.3 28.9#
61 0.0 22.0 33.0#

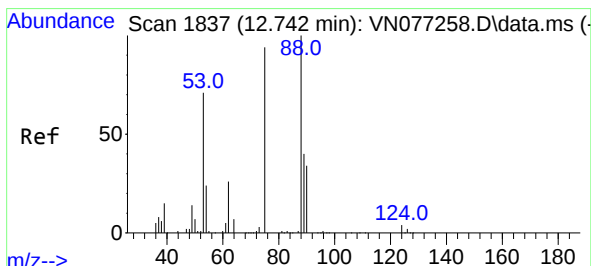
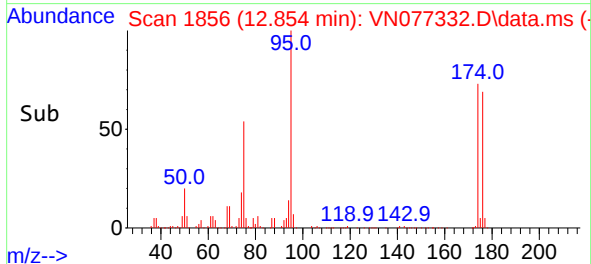
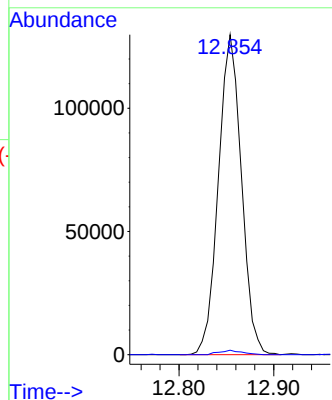
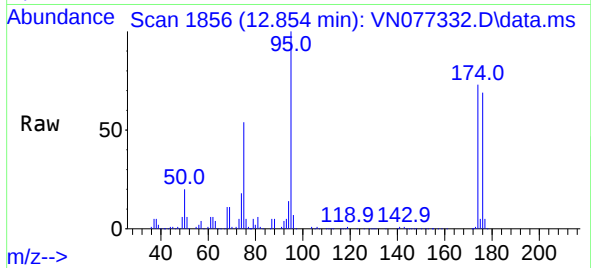




#76
1,2,3-Trichloropropane
Concen: 26.470 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#04

Tgt Ion: 75 Resp: 219458
Ion Ratio Lower Upper
75 100
77 1.4 88.3 264.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.565 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077332.D
Acq: 13 Apr 2023 16:39

Tgt Ion: 75 Resp: 219458
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.0 37.4 56.2#

