

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041323\
 Data File : VN077333.D
 Acq On : 13 Apr 2023 17:03
 Operator : JC\MD
 Sample : PB152070ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152070ZHE#05

Quant Time: Apr 14 07:25:13 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)

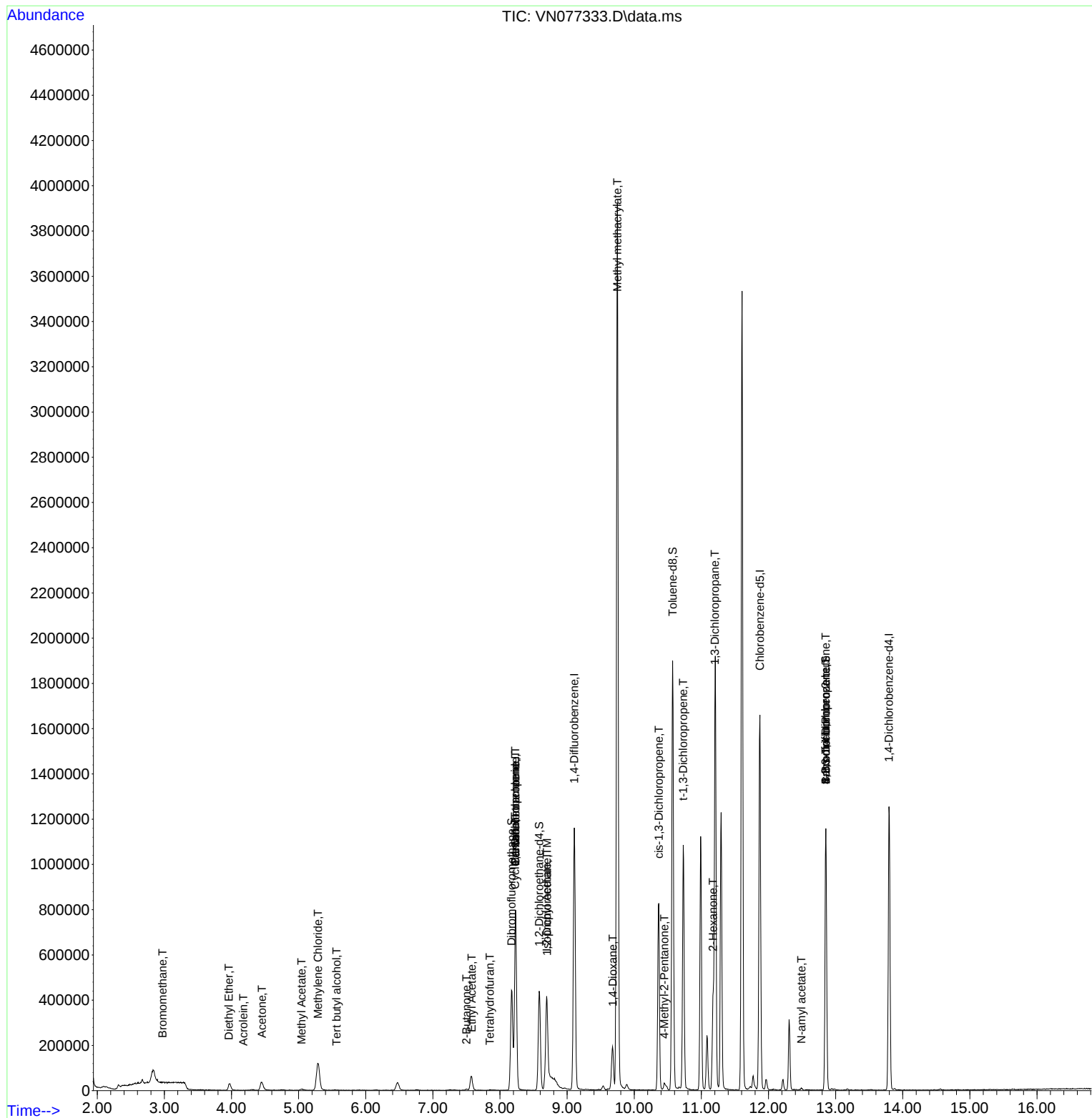
Internal Standards						
1) Pentafluorobenzene	8.231	168	556302	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1069130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	981240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	341635	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	342339	45.026	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.060%		
35) Dibromofluoromethane	8.172	113	316340	46.220	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.440%		
50) Toluene-d8	10.572	98	1333685	48.405	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.800%		
62) 4-Bromofluorobenzene	12.854	95	404539	44.146	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.300%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.972	94	2379	0.275	ug/l #	14
8) Diethyl Ether	3.960	74	20908	4.823	ug/l	99
11) Tert butyl alcohol	5.566	59	2424	1.562	ug/l #	86
13) Acrolein	4.178	56	319	0.217	ug/l	83
16) Acetone	4.454	43	68470	24.425	ug/l	96
18) Methyl Acetate	5.043	43	10051	0.941	ug/l	91
20) Methylene Chloride	5.290	84	111699	14.109	ug/l	96
25) 2-Butanone	7.501	43	6524	1.434	ug/l	96
29) Tetrahydrofuran	7.848	42	1043	0.357	ug/l #	70
31) Cyclohexane	8.225	56	13647	1.155	ug/l #	41
36) 1,1-Dichloropropene	8.231	75	47924	4.734	ug/l #	49
37) Ethyl Acetate	7.578	43	92004	10.158	ug/l	97
38) Carbon Tetrachloride	8.231	117	60809	5.863	ug/l #	13
42) 1,2-Dichloroethane	8.701	62	3093	0.318	ug/l #	73
43) Isopropyl Acetate	8.695	43	521266	31.191	ug/l #	83
48) Methyl methacrylate	9.748	41	322625	45.254	ug/l #	33
49) 1,4-Dioxane	9.683	88	435	2.517	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	16980	1.758	ug/l	98
53) t-1,3-Dichloropropene	10.730	75	3128	0.255	ug/l #	55
54) cis-1,3-Dichloropropene	10.366	75	173961	13.318	ug/l #	61
57) 1,3-Dichloropropane	11.201	76	23029	1.718	ug/l #	43
59) 2-Hexanone	11.172	43	298745	41.512	ug/l #	20
71) Bromoform	12.854	173	1906	0.331	ug/l #	1
74) N-amyl acetate	12.489	43	2780	0.221	ug/l #	49
76) 1,2,3-Trichloropropane	12.854	75	218052	26.803	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	218052	60.316	ug/l #	13

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041323\
Data File : VN077333.D
Acq On : 13 Apr 2023 17:03
Operator : JC\MD
Sample : PB152070ZHE#05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#05

Quant Time: Apr 14 07:25:13 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

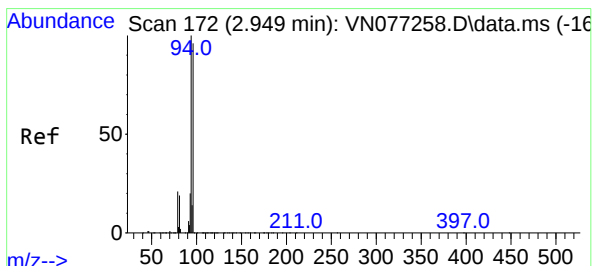
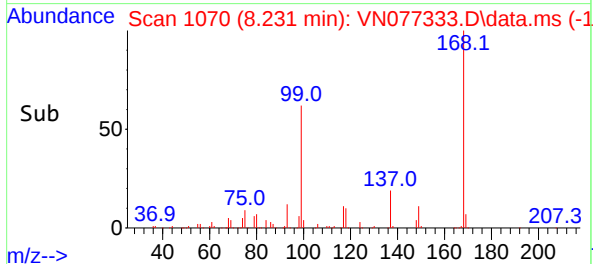
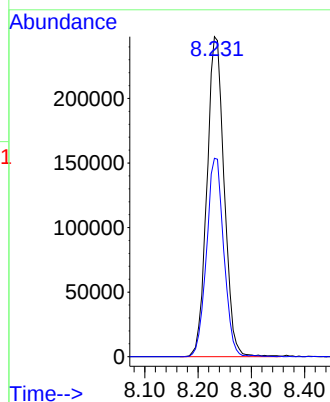
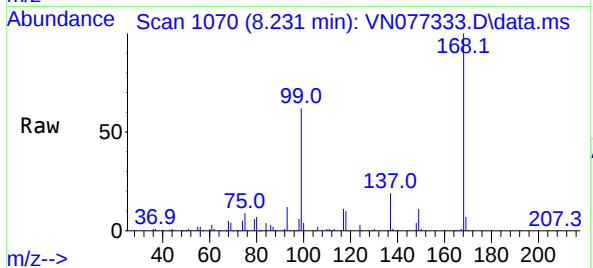




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

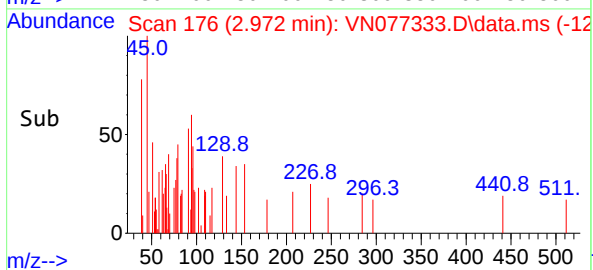
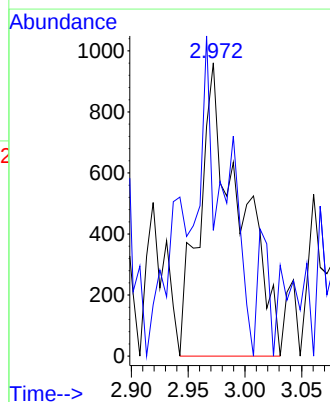
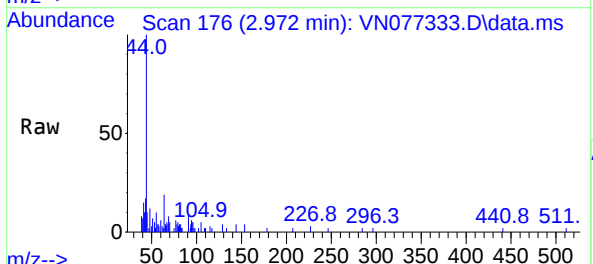
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#05

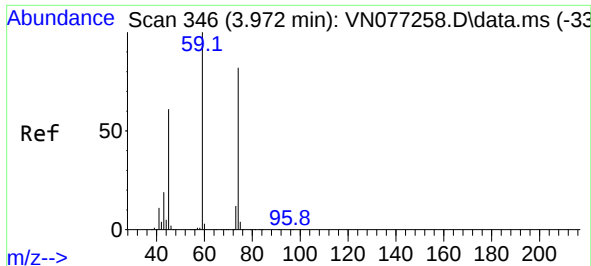
Tgt Ion:168 Resp: 556302
Ion Ratio Lower Upper
168 100
99 62.0 50.6 75.8



#5
Bromomethane
Concen: 0.275 ug/l
RT: 2.972 min Scan# 176
Delta R.T. 0.023 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

Tgt Ion: 94 Resp: 2379
Ion Ratio Lower Upper
94 100
96 12.0 77.0 115.4#

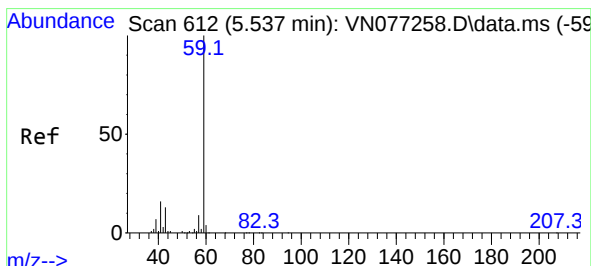
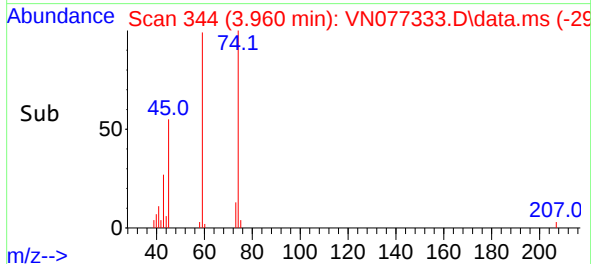
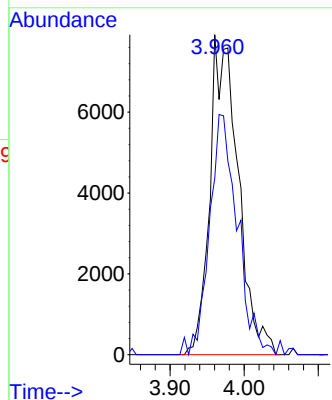
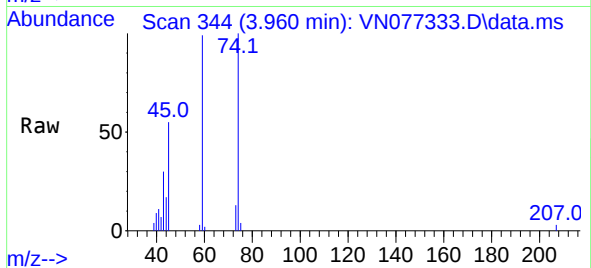




#8
Diethyl Ether
Concen: 4.823 ug/l
RT: 3.960 min Scan# 346
Delta R.T. -0.012 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

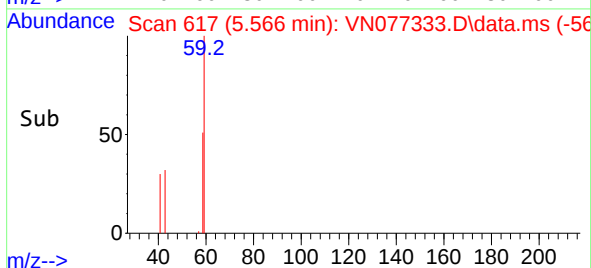
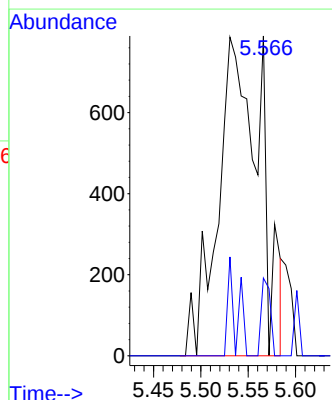
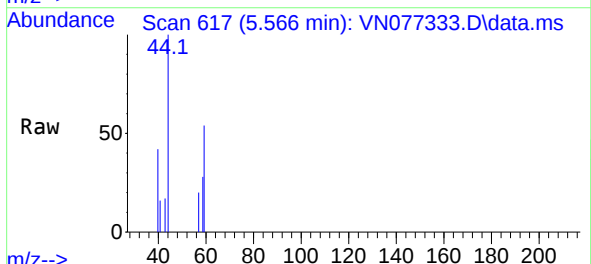
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#05

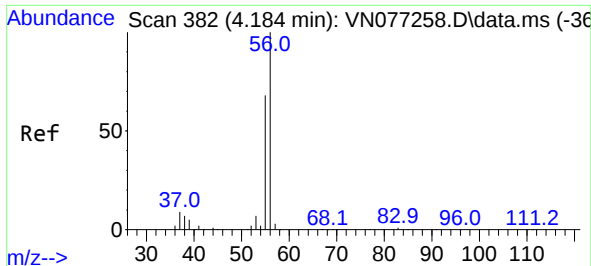
Tgt Ion: 74 Resp: 20908
Ion Ratio Lower Upper
74 100
45 74.4 37.8 113.4



#11
Tert butyl alcohol
Concen: 1.562 ug/l
RT: 5.566 min Scan# 617
Delta R.T. 0.029 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

Tgt Ion: 59 Resp: 2424
Ion Ratio Lower Upper
59 100
57 5.2 8.3 12.5#

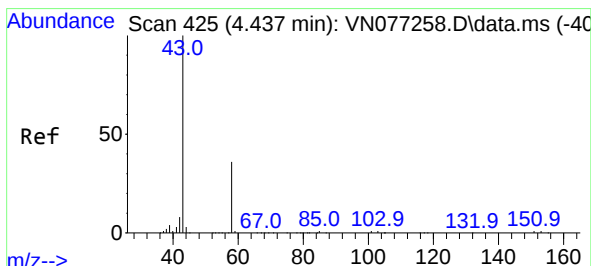
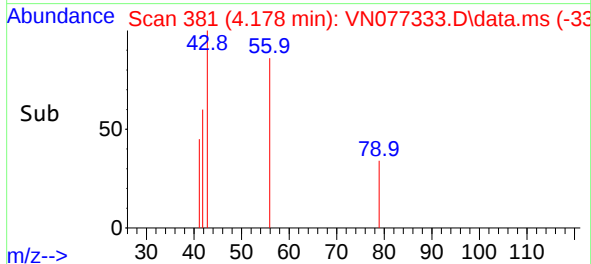
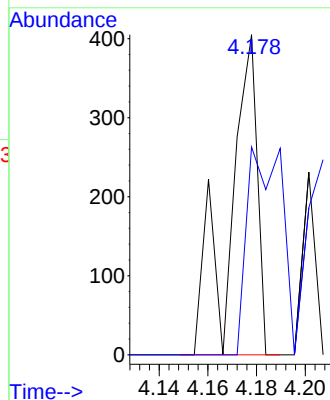
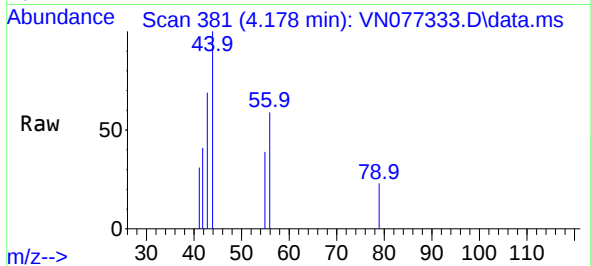




#13
Acrolein
Concen: 0.217 ug/l
RT: 4.178 min Scan# 319
Delta R.T. -0.006 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

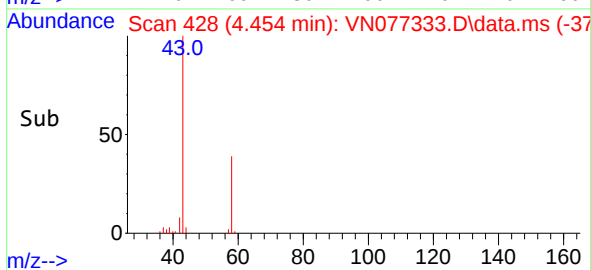
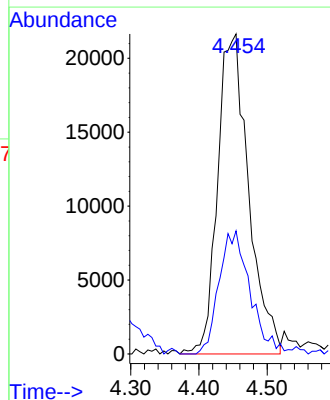
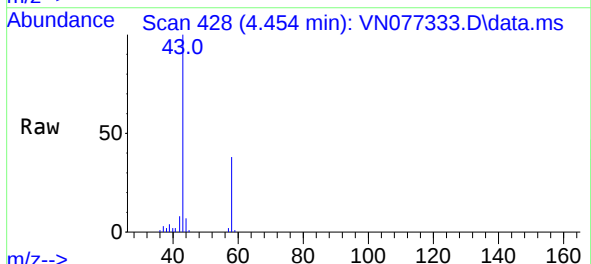
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#05

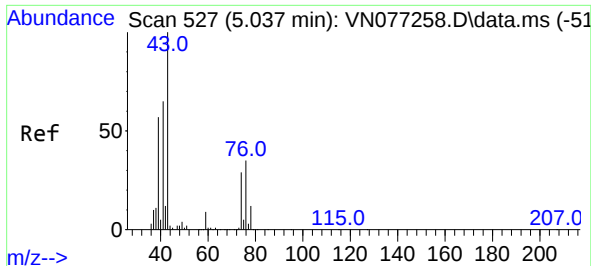
Tgt Ion: 56 Resp: 319
Ion Ratio Lower Upper
56 100
55 81.2 54.2 81.2



#16
Acetone
Concen: 24.425 ug/l
RT: 4.454 min Scan# 428
Delta R.T. 0.017 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

Tgt Ion: 43 Resp: 68470
Ion Ratio Lower Upper
43 100
58 38.4 29.0 43.6

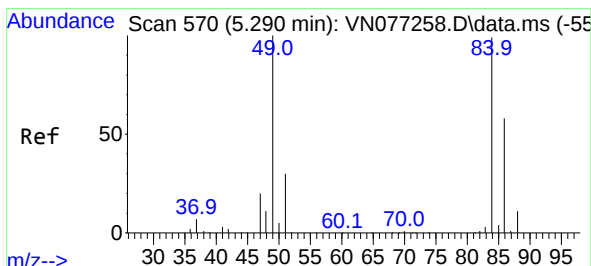
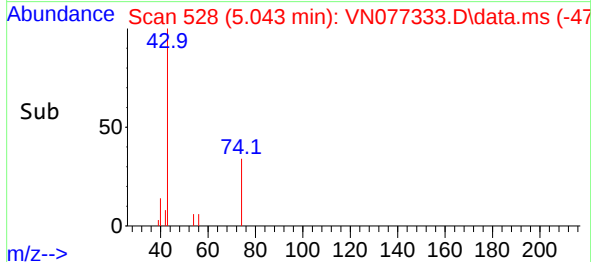
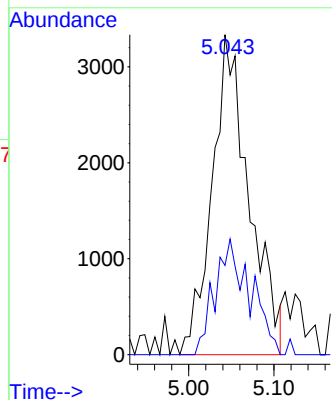
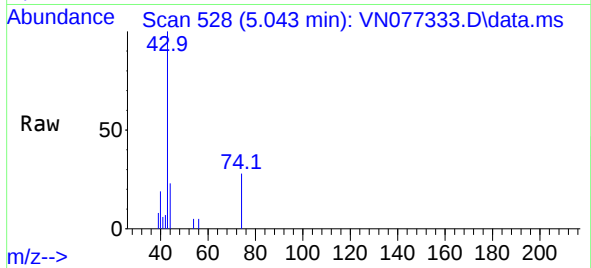




#18
Methyl Acetate
Concen: 0.941 ug/l
RT: 5.043 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

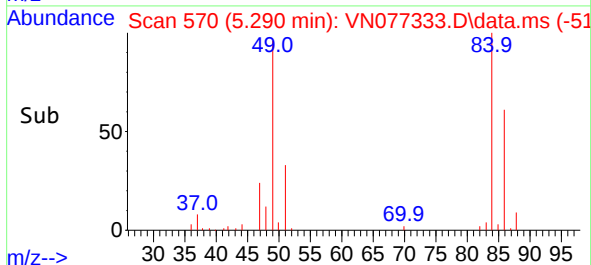
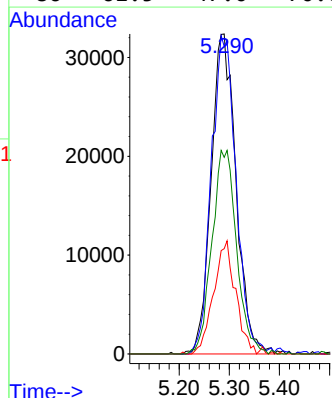
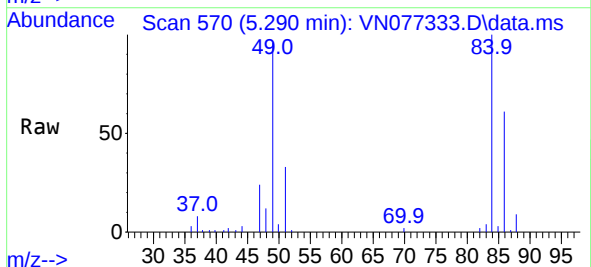
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#05

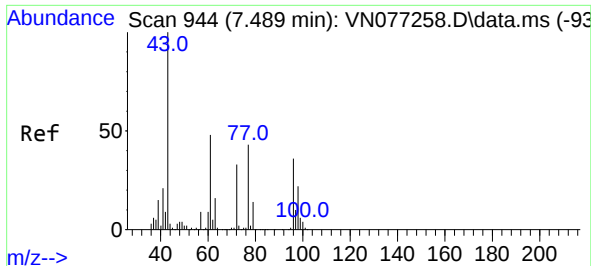
Tgt Ion: 43 Resp: 10051
Ion Ratio Lower Upper
43 100
74 34.3 23.4 35.2



#20
Methylene Chloride
Concen: 14.109 ug/l
RT: 5.290 min Scan# 570
Delta R.T. -0.000 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

Tgt Ion: 84 Resp: 111699
Ion Ratio Lower Upper
84 100
49 96.1 80.6 121.0
51 32.9 24.4 36.6
86 61.5 47.0 70.6

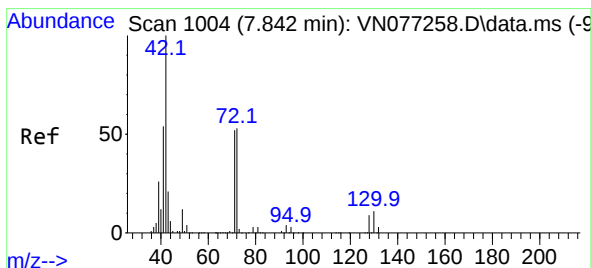
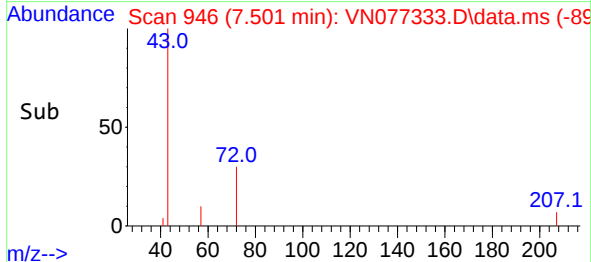
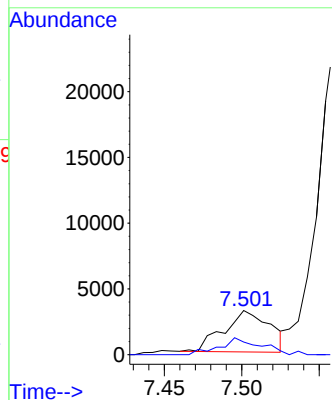
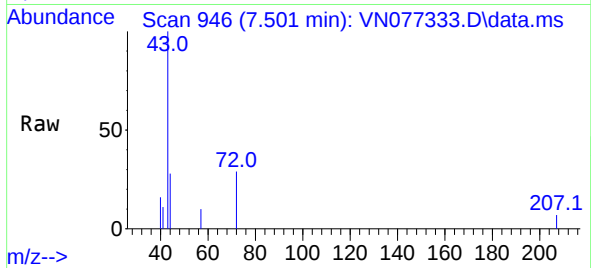




#25
2-Butanone
Concen: 1.434 ug/l
RT: 7.501 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

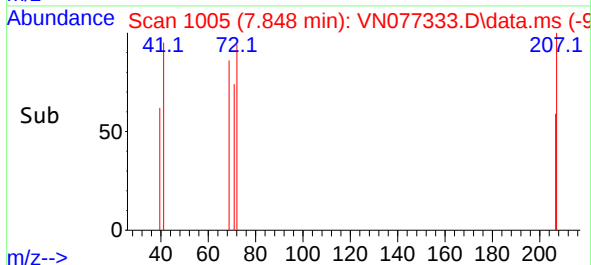
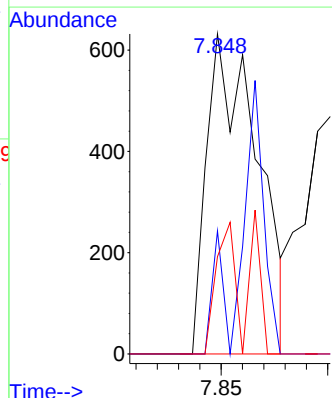
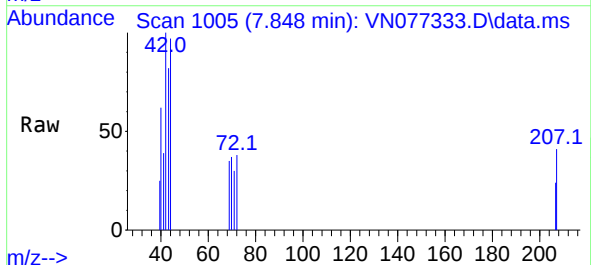
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#05

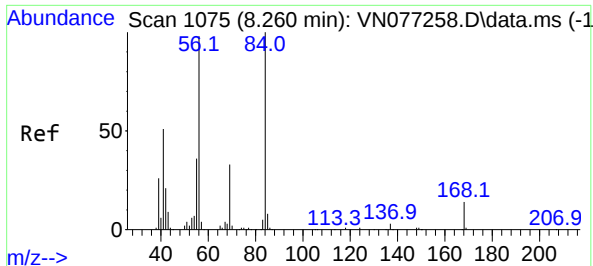
Tgt Ion: 43 Resp: 6524
Ion Ratio Lower Upper
43 100
72 30.8 26.6 39.8



#29
Tetrahydrofuran
Concen: 0.357 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

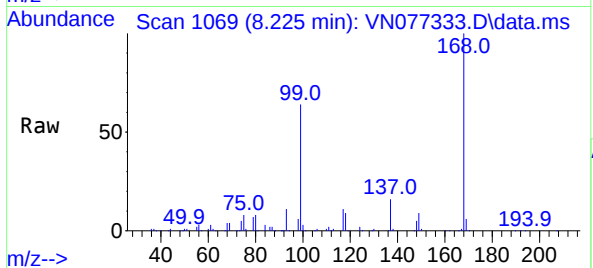
Tgt Ion: 42 Resp: 1043
Ion Ratio Lower Upper
42 100
72 39.5 44.6 66.8#
71 24.9 41.3 61.9#



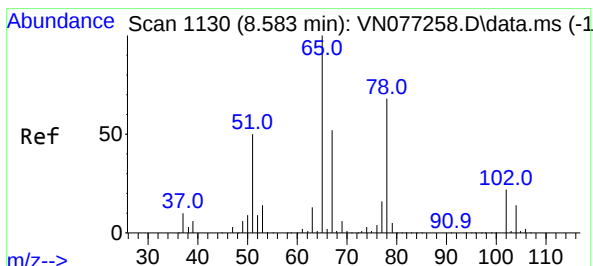
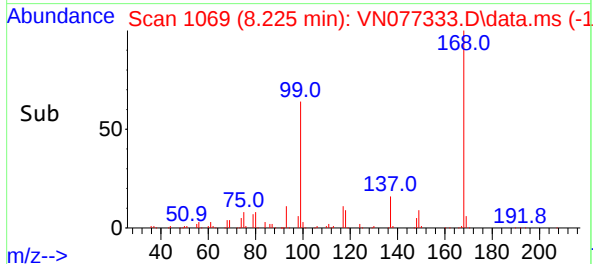
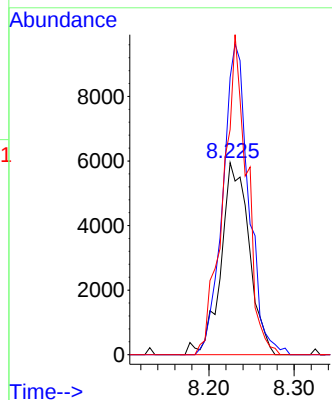


#31
Cyclohexane
Concen: 1.155 ug/l
RT: 8.225 min Scan# 1075
Delta R.T. -0.035 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#05

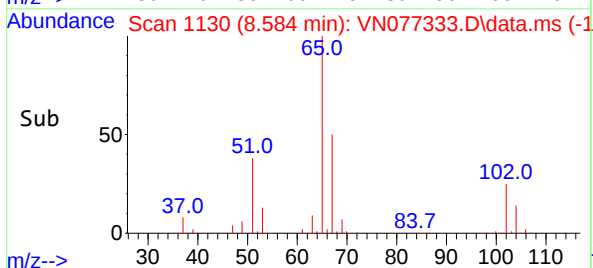
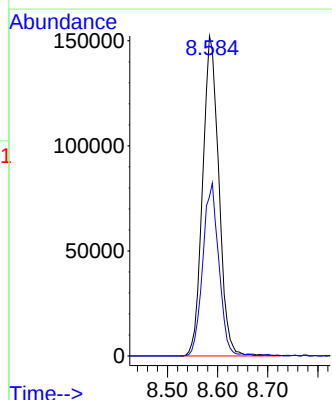
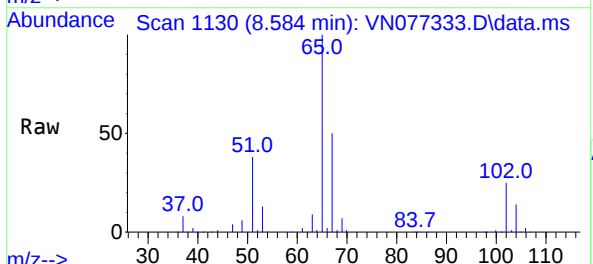


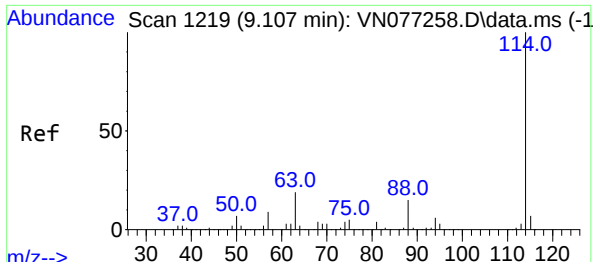
Tgt Ion: 56 Resp: 13647
Ion Ratio Lower Upper
56 100
69 144.4 26.6 40.0#
84 117.3 81.8 122.8



#33
1,2-Dichloroethane-d4
Concen: 45.026 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

Tgt Ion: 65 Resp: 342339
Ion Ratio Lower Upper
65 100
67 53.5 0.0 108.8

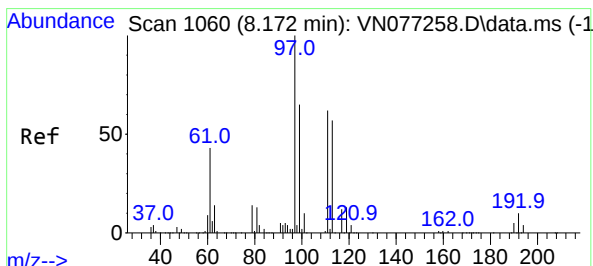
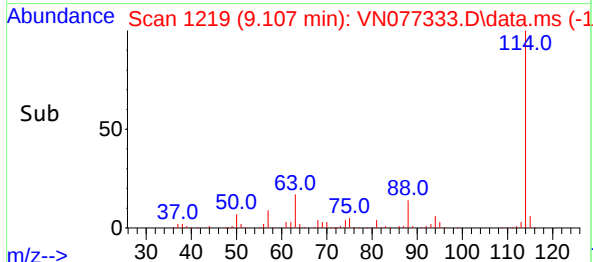
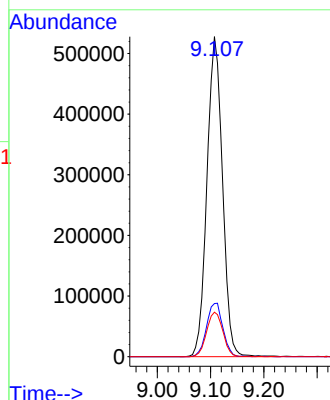
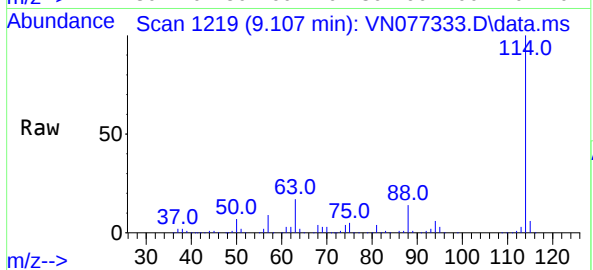




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

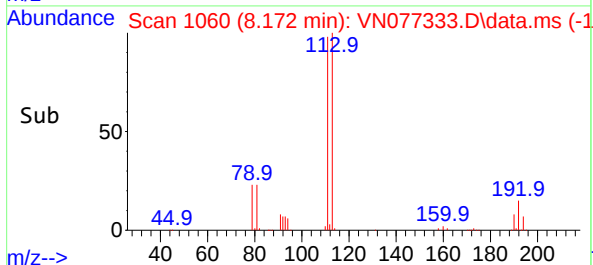
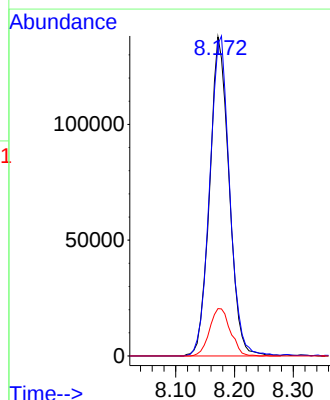
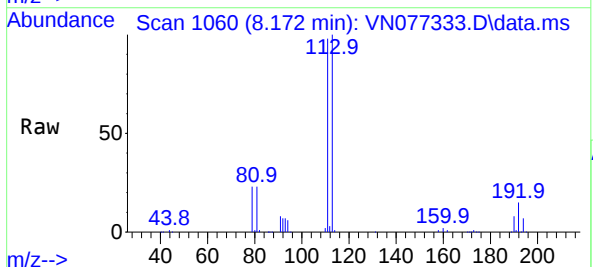
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#05

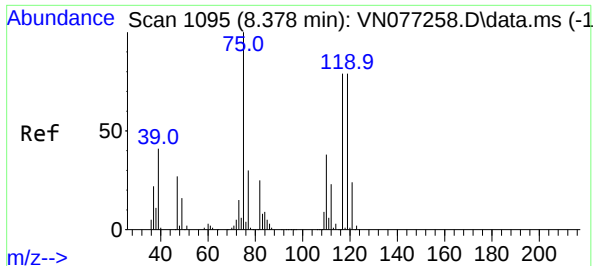
Tgt Ion:114 Resp: 1069130
Ion Ratio Lower Upper
114 100
63 16.6 0.0 37.8
88 13.9 0.0 29.4



#35
Dibromofluoromethane
Concen: 46.220 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

Tgt Ion:113 Resp: 316340
Ion Ratio Lower Upper
113 100
111 102.5 83.4 125.0
192 15.8 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.734 ug/l

RT: 8.231 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN077333.D

Acq: 13 Apr 2023 17:03

Instrument :

MSVOA_N

ClientSampleId :

PB152070ZHE#05

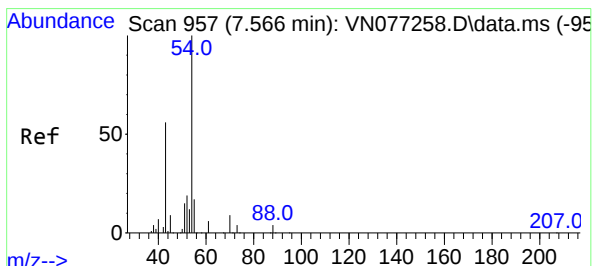
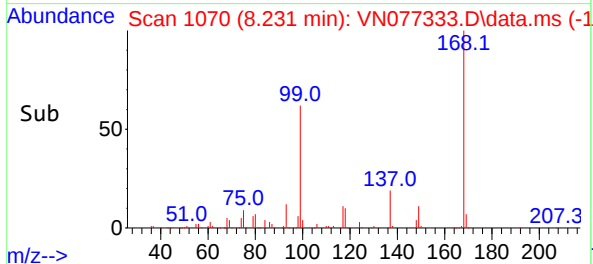
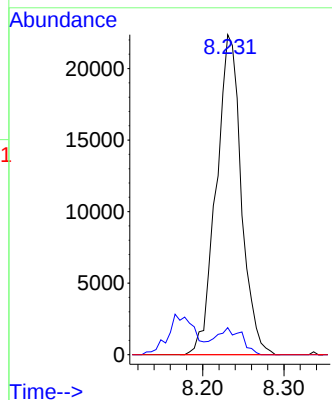
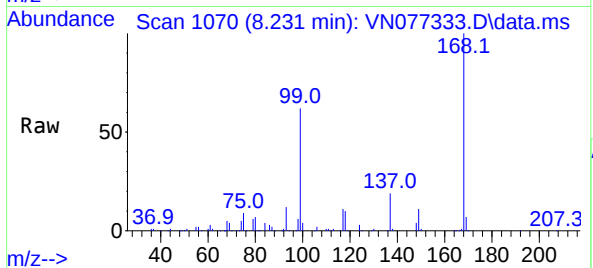
Tgt Ion: 75 Resp: 47924

Ion Ratio Lower Upper

75 100

110 9.1 17.8 53.5#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 10.158 ug/l

RT: 7.578 min Scan# 959

Delta R.T. 0.012 min

Lab File: VN077333.D

Acq: 13 Apr 2023 17:03

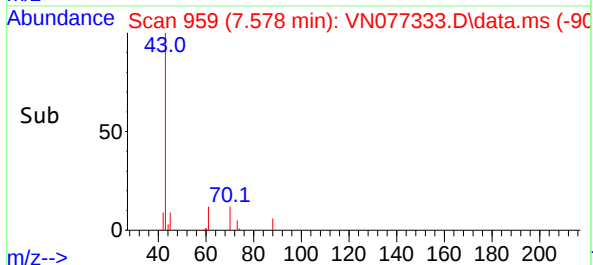
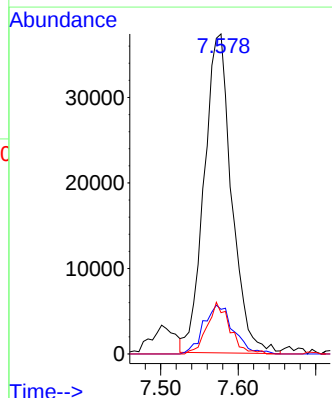
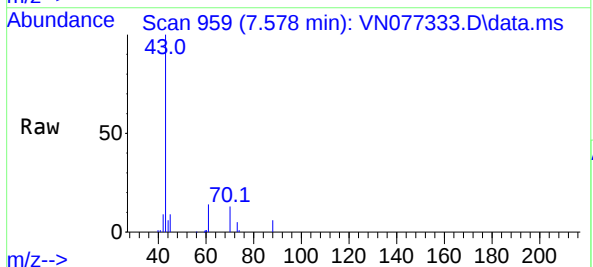
Tgt Ion: 43 Resp: 92004

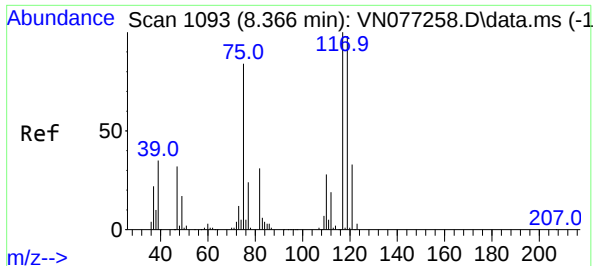
Ion Ratio Lower Upper

43 100

61 16.7 12.2 18.2

70 13.5 10.0 15.0

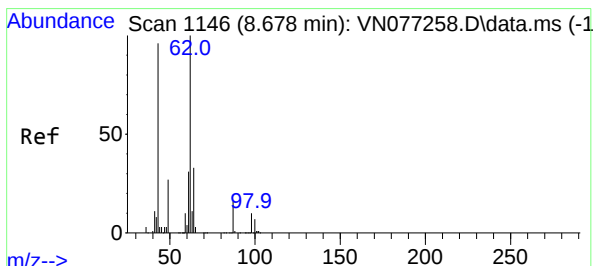
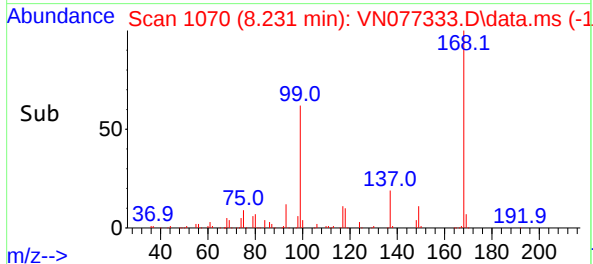
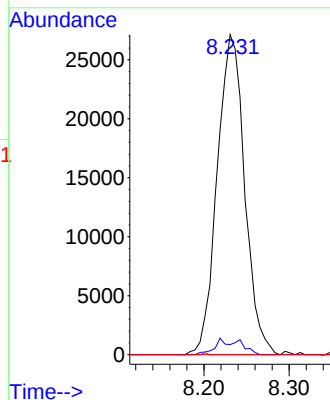
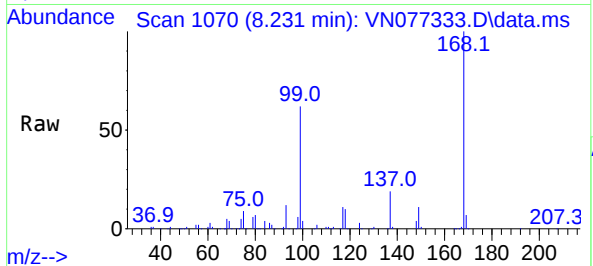




#38
Carbon Tetrachloride
Concen: 5.863 ug/l
RT: 8.231 min Scan# 1109
Delta R.T. -0.135 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

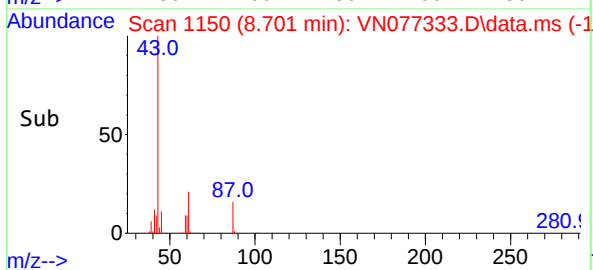
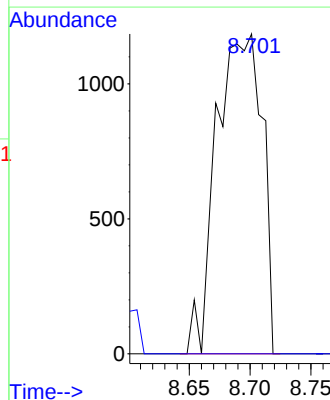
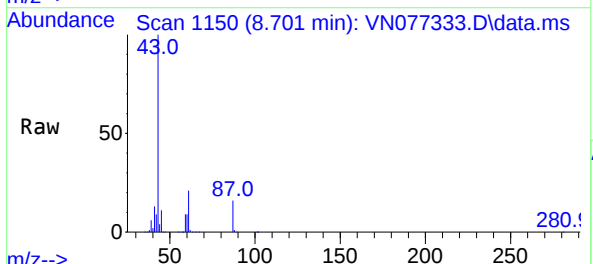
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#05

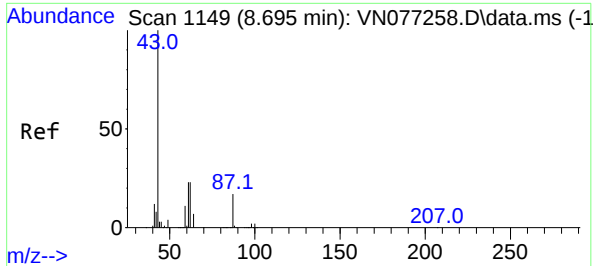
Tgt Ion:117 Resp: 60809
Ion Ratio Lower Upper
117 100
119 3.1 78.5 117.7#
121 0.0 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 0.318 ug/l
RT: 8.701 min Scan# 1150
Delta R.T. 0.023 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

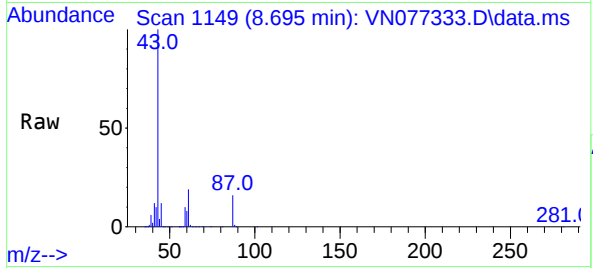
Tgt Ion: 62 Resp: 3093
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2



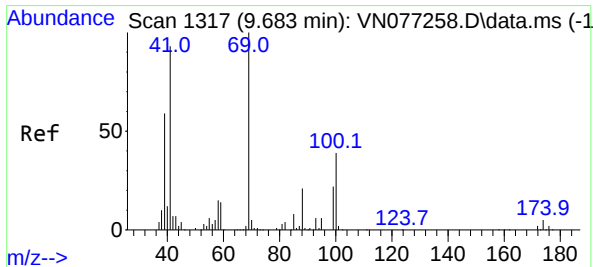
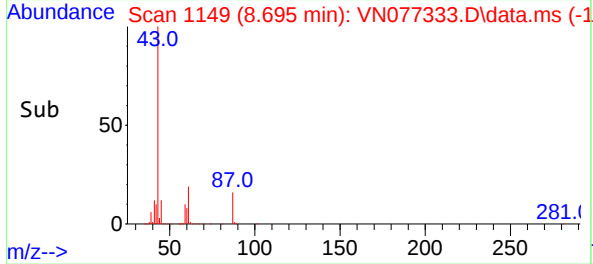
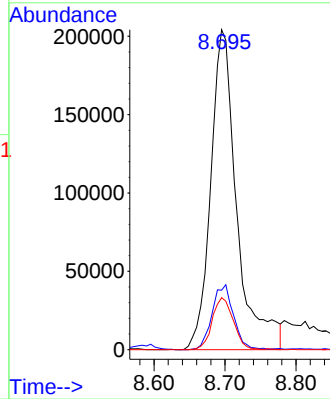


#43
Isopropyl Acetate
Concen: 31.191 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#05

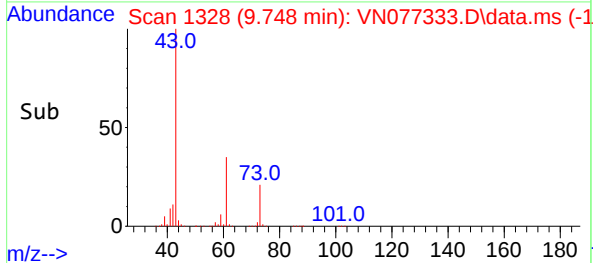
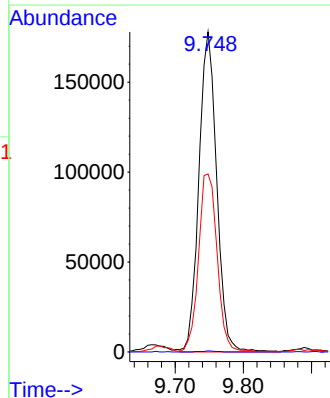
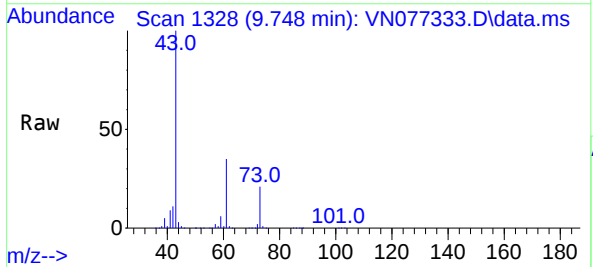


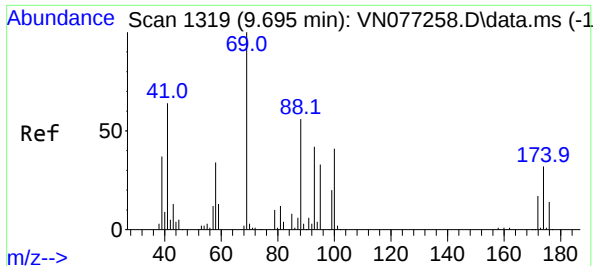
Tgt Ion: 43 Resp: 521266
Ion Ratio Lower Upper
43 100
61 16.7 22.7 34.1#
87 13.1 13.6 20.4#



#48
Methyl methacrylate
Concen: 45.254 ug/l
RT: 9.748 min Scan# 1328
Delta R.T. 0.065 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

Tgt Ion: 41 Resp: 322625
Ion Ratio Lower Upper
41 100
69 0.3 85.0 127.6#
39 57.9 53.5 80.3

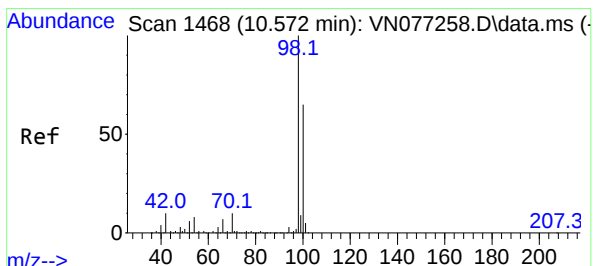
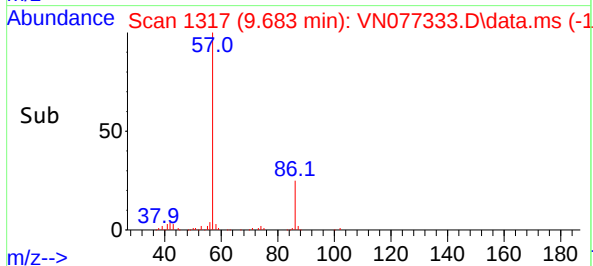
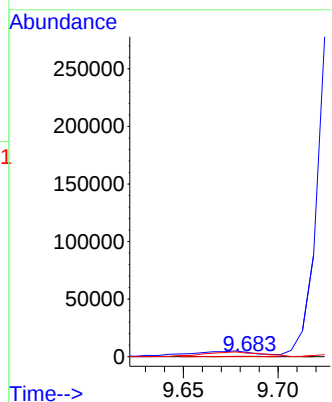
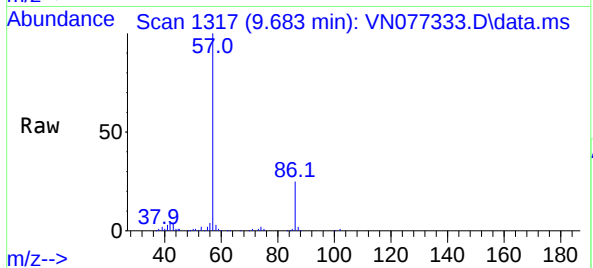




#49
1,4-Dioxane
Concen: 2.517 ug/l
RT: 9.683 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

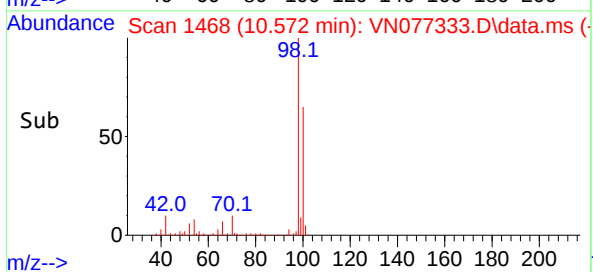
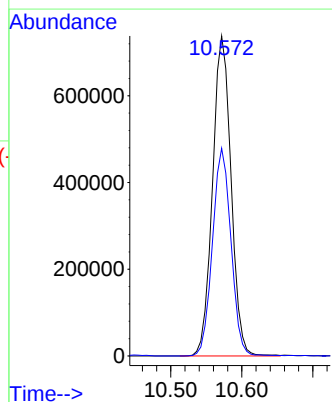
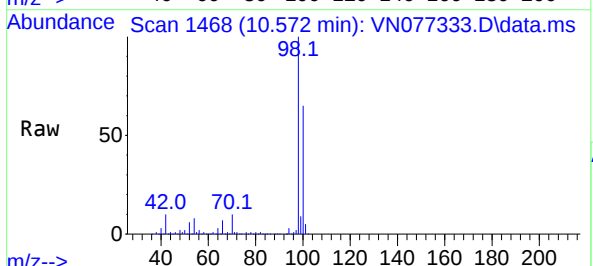
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#05

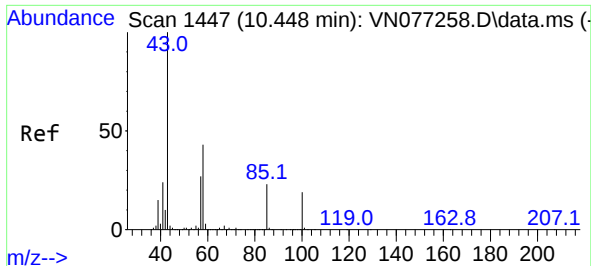
Tgt Ion: 88 Resp: 435
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 2039.1 49.8 74.6#



#50
Toluene-d8
Concen: 48.405 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

Tgt Ion: 98 Resp: 1333685
Ion Ratio Lower Upper
98 100
100 64.8 51.3 76.9

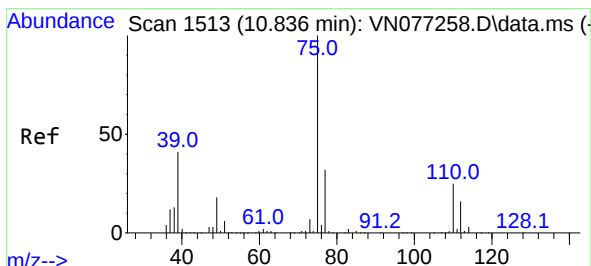
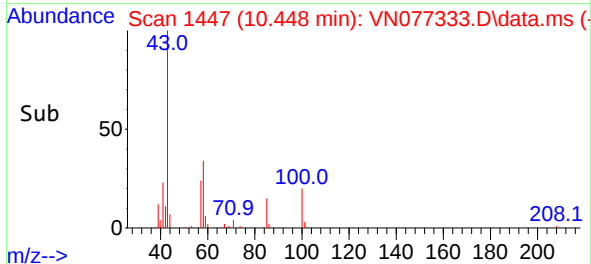
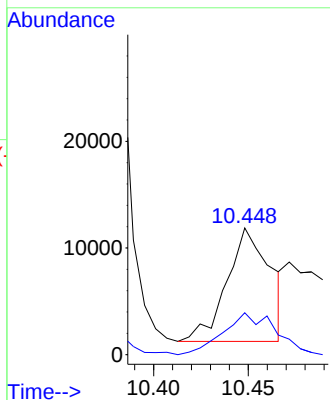
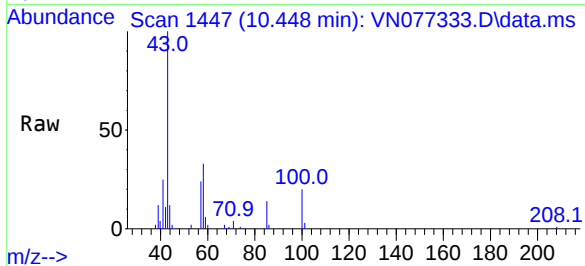




#51
4-Methyl-2-Pentanone
Concen: 1.758 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

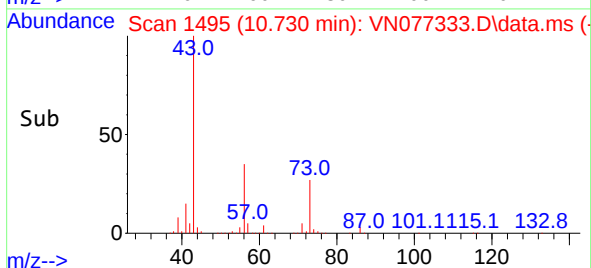
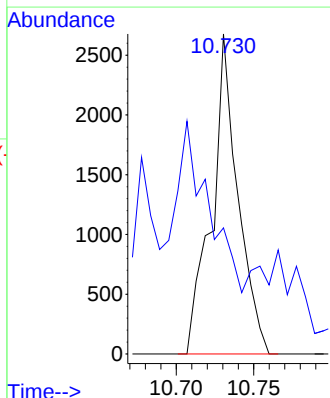
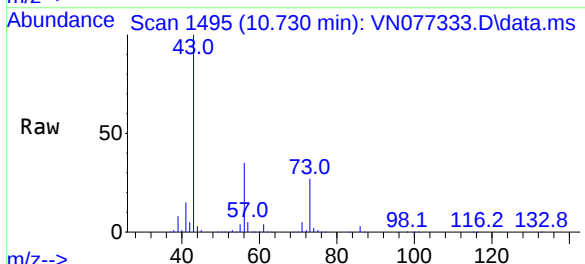
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#05

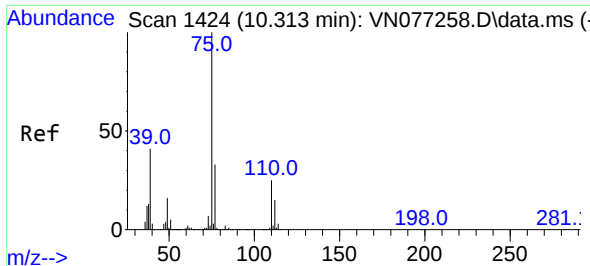
Tgt Ion: 43 Resp: 16980
Ion Ratio Lower Upper
43 100
58 44.6 34.6 52.0



#53
t-1,3-Dichloropropene
Concen: 0.255 ug/l
RT: 10.730 min Scan# 1495
Delta R.T. -0.106 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

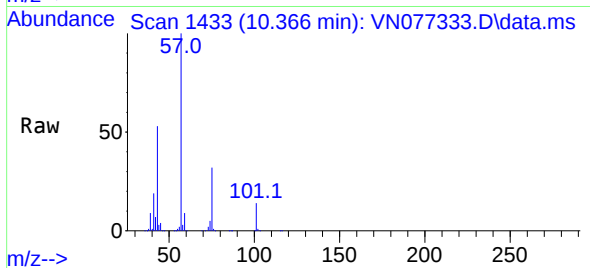
Tgt Ion: 75 Resp: 3128
Ion Ratio Lower Upper
75 100
77 6.9 25.4 38.0#



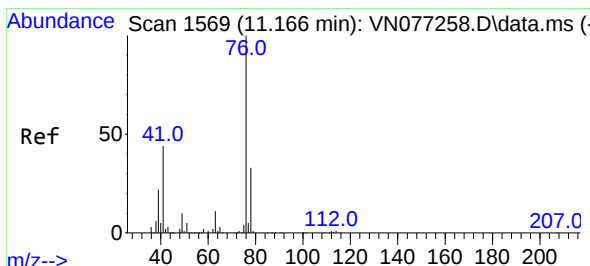
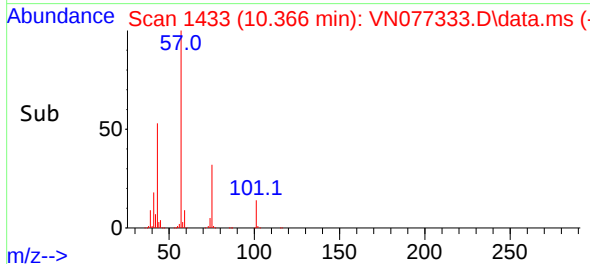
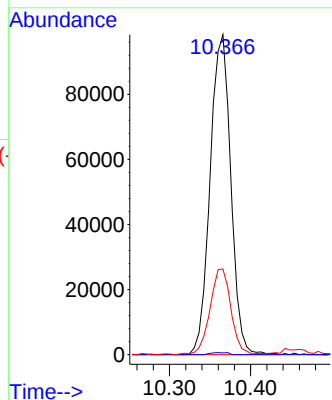


#54
cis-1,3-Dichloropropene
Concen: 13.318 ug/l
RT: 10.366 min Scan# 14
Delta R.T. 0.053 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#05

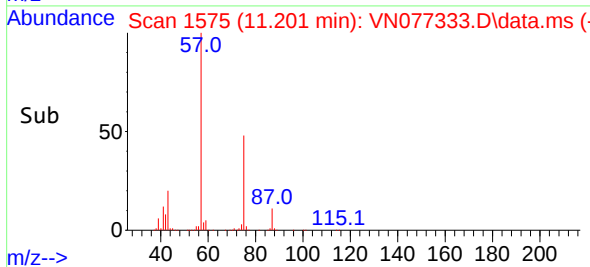
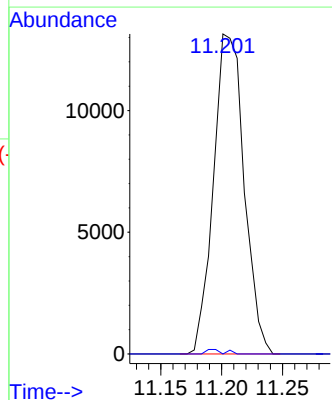
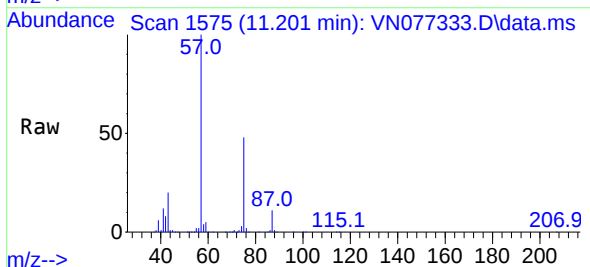


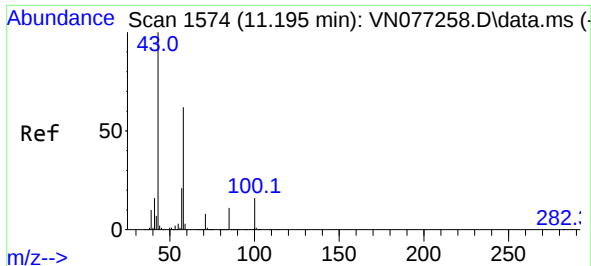
Tgt Ion: 75 Resp: 173961
Ion Ratio Lower Upper
75 100
77 0.5 26.7 40.1#
39 26.5 32.8 49.2#



#57
1,3-Dichloropropane
Concen: 1.718 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.035 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

Tgt Ion: 76 Resp: 23029
Ion Ratio Lower Upper
76 100
78 0.8 26.2 39.4#

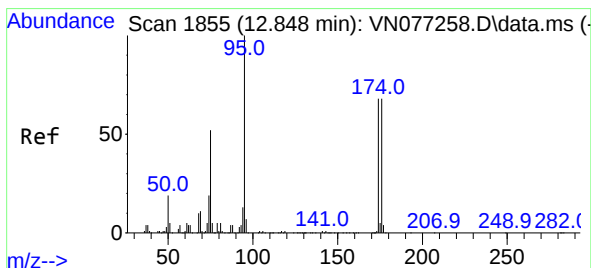
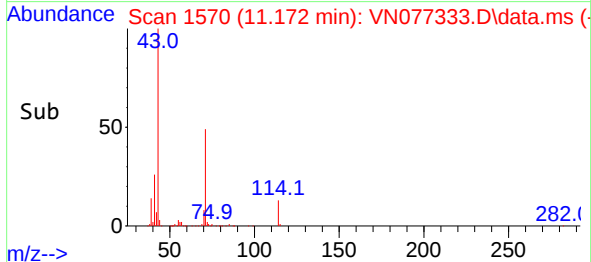
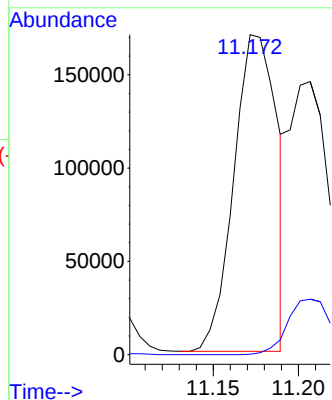
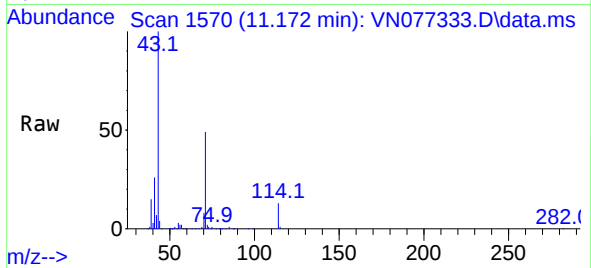




#59
2-Hexanone
Concen: 41.512 ug/l
RT: 11.172 min Scan# 11172
Delta R.T. -0.023 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

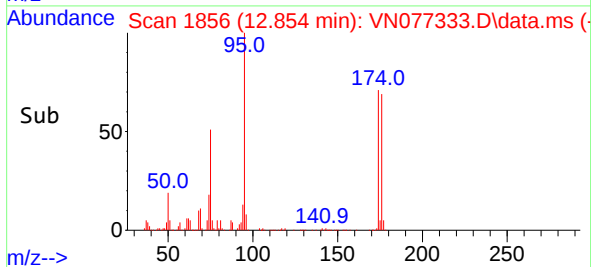
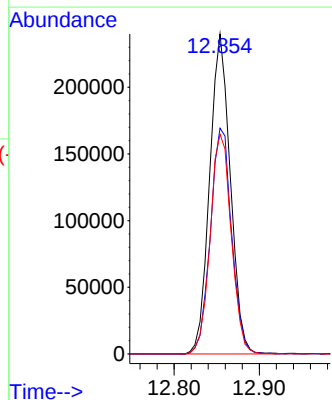
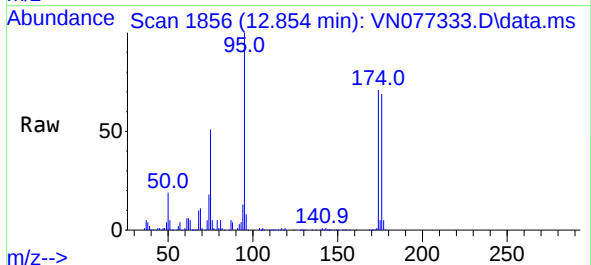
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#05

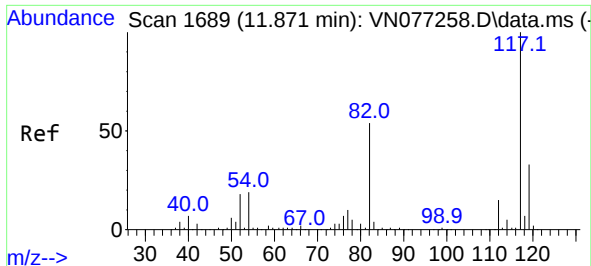
Tgt Ion: 43 Resp: 298745
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 44.146 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

Tgt Ion: 95 Resp: 404539
Ion Ratio Lower Upper
95 100
174 72.7 0.0 146.8
176 70.1 0.0 139.6

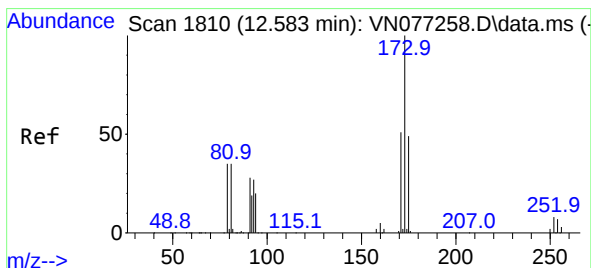
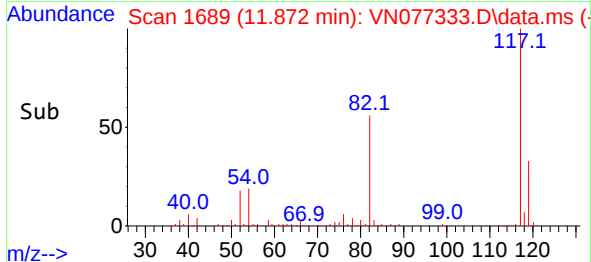
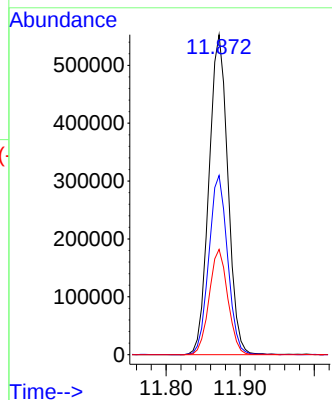
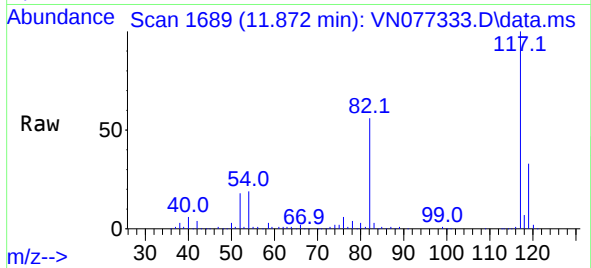




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 1185
Delta R.T. 0.001 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

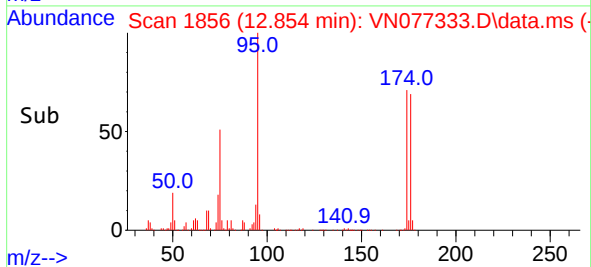
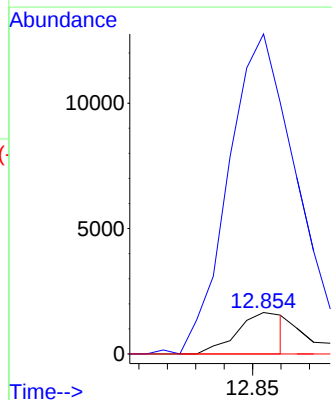
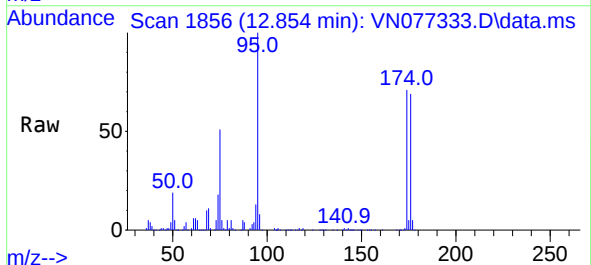
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#05

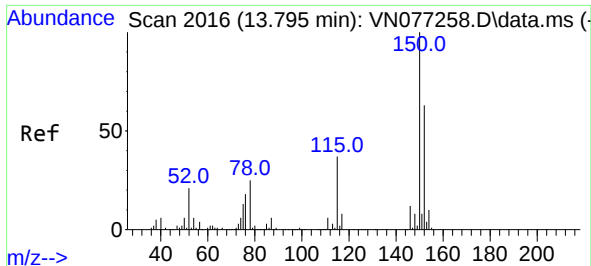
Tgt Ion:117 Resp: 981240
Ion Ratio Lower Upper
117 100
82 56.0 42.9 64.3
119 32.9 26.2 39.4



#71
Bromoform
Concen: 0.331 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

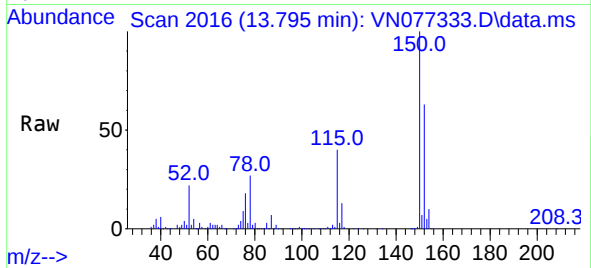
Tgt Ion:173 Resp: 1906
Ion Ratio Lower Upper
173 100
175 864.6 24.1 72.4#
254 0.0 0.1 0.1#



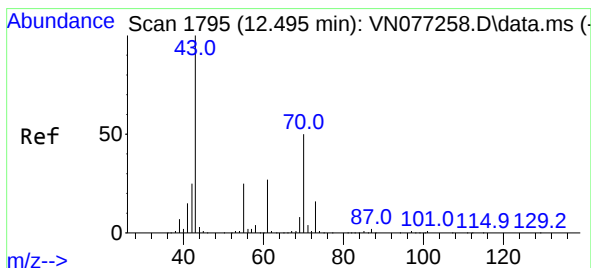
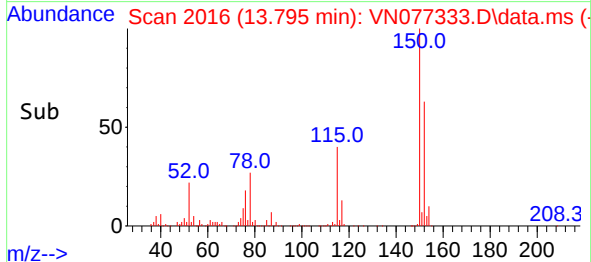
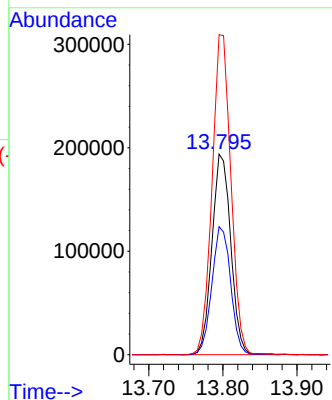


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#05

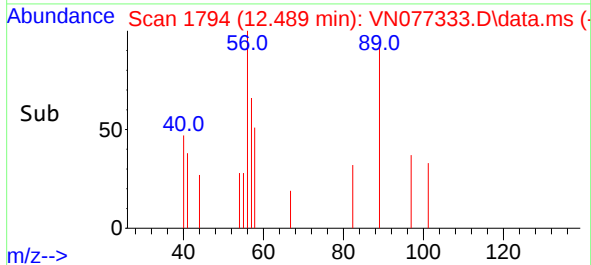
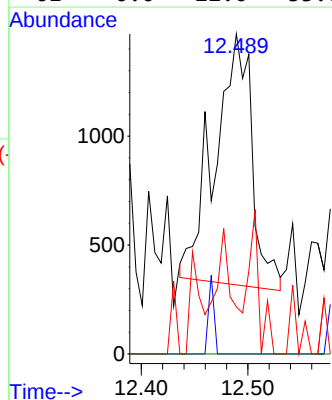
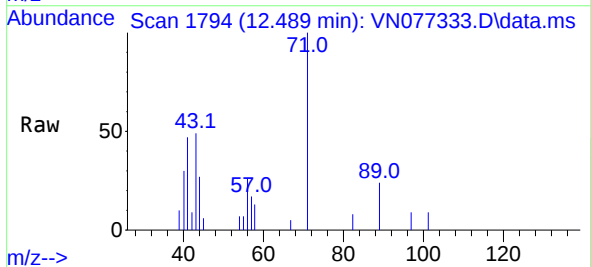


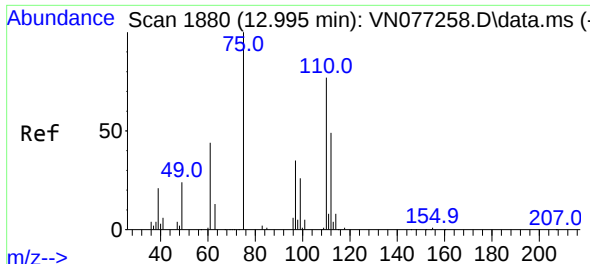
Tgt Ion:152 Resp: 341635
Ion Ratio Lower Upper
152 100
115 63.8 32.1 96.3
150 159.8 0.0 354.8



#74
N-ethyl acetate
Concen: 0.221 ug/l
RT: 12.489 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

Tgt Ion: 43 Resp: 2780
Ion Ratio Lower Upper
43 100
70 0.0 41.0 61.6#
55 22.6 19.3 28.9
61 0.0 22.0 33.0#

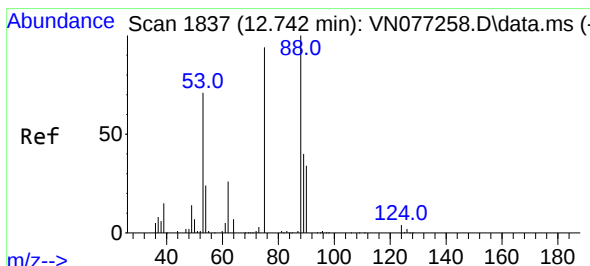
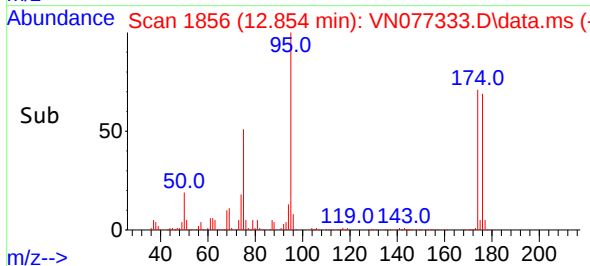
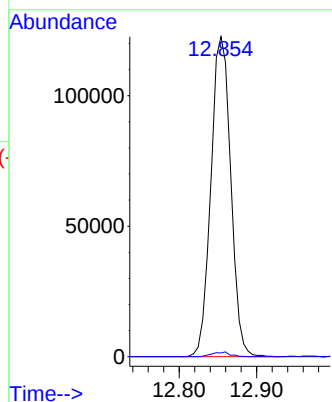
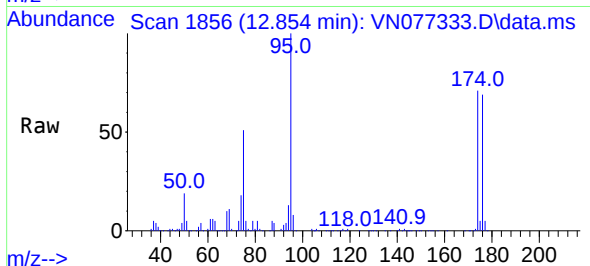




#76
1,2,3-Trichloropropane
Concen: 26.803 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#05

Tgt Ion: 75 Resp: 218052
Ion Ratio Lower Upper
75 100
77 1.3 88.3 264.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.316 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077333.D
Acq: 13 Apr 2023 17:03

Tgt Ion: 75 Resp: 218052
Ion Ratio Lower Upper
75 100
53 0.1 72.8 109.2#
89 0.1 37.4 56.2#

