

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041323\
 Data File : VN077331.D
 Acq On : 13 Apr 2023 16:14
 Operator : JC\MD
 Sample : PB152070ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152070ZHE#03

Quant Time: Apr 14 07:24:54 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)

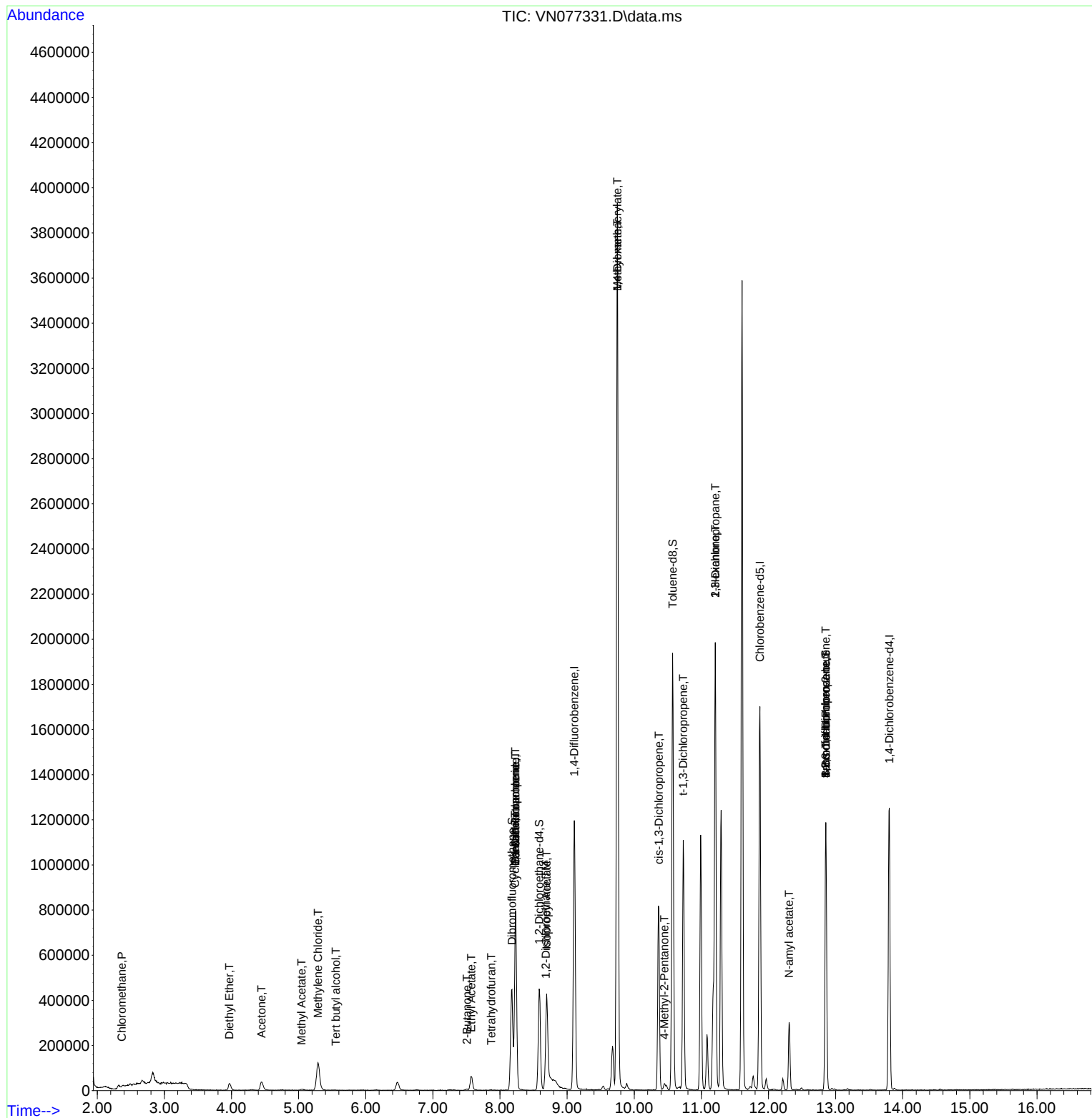
Internal Standards						
1) Pentafluorobenzene	8.231	168	567796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1096040	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	1005684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.801	152	343838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	348218	44.872	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.740%		
35) Dibromofluoromethane	8.178	113	326920	46.593	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.180%		
50) Toluene-d8	10.572	98	1353426	47.915	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.840%		
62) 4-Bromofluorobenzene	12.854	95	408230	43.455	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.920%		
Target Compounds						Qvalue
3) Chloromethane	2.366	50	1856	0.207	ug/l #	86
8) Diethyl Ether	3.966	74	21423	4.842	ug/l	94
11) Tert butyl alcohol	5.554	59	2015	1.273	ug/l #	72
16) Acetone	4.449	43	72536	25.351	ug/l	97
18) Methyl Acetate	5.043	43	5235	0.480	ug/l #	82
20) Methylene Chloride	5.290	84	109403	13.539	ug/l #	92
25) 2-Butanone	7.507	43	7757	1.670	ug/l	89
29) Tetrahydrofuran	7.872	42	865	0.290	ug/l #	45
31) Cyclohexane	8.225	56	14335	1.189	ug/l #	38
36) 1,1-Dichloropropene	8.231	75	49864	4.805	ug/l #	49
37) Ethyl Acetate	7.572	43	92959	10.012	ug/l	96
38) Carbon Tetrachloride	8.231	117	61143	5.751	ug/l #	15
42) 1,2-Dichloroethane	8.684	62	3187	0.320	ug/l #	73
43) Isopropyl Acetate	8.695	43	520929	30.406	ug/l #	84
48) Methyl methacrylate	9.748	41	332466	45.490	ug/l #	32
49) 1,4-Dioxane	9.748	88	1052	5.937	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	16776	1.694	ug/l	97
53) t-1,3-Dichloropropene	10.730	75	3641	0.290	ug/l	93
54) cis-1,3-Dichloropropene	10.366	75	173433	12.952	ug/l #	60
57) 1,3-Dichloropropane	11.207	76	24066	1.752	ug/l #	42
59) 2-Hexanone	11.207	43	204053	27.658	ug/l #	54
71) Bromoform	12.854	173	2435	0.413	ug/l #	1
74) N-amyl acetate	12.307	43	89450	7.068	ug/l #	48
76) 1,2,3-Trichloropropane	12.854	75	218097	26.637	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	218097	59.942	ug/l #	13

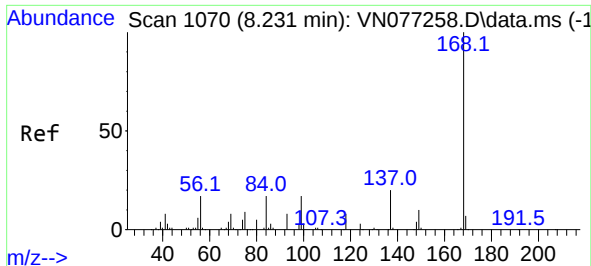
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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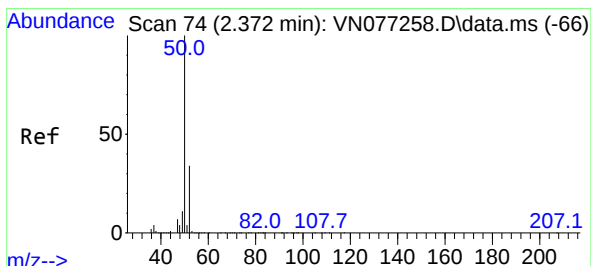
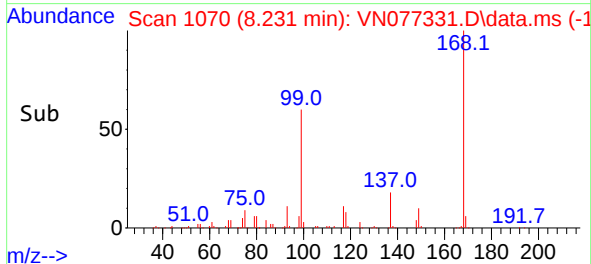
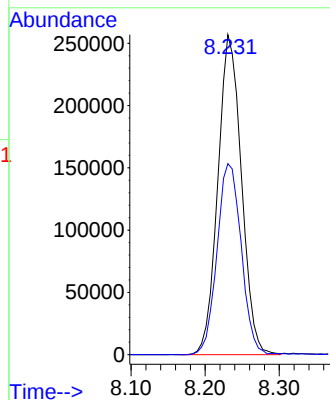
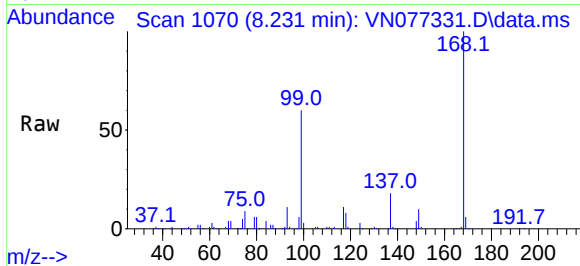




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

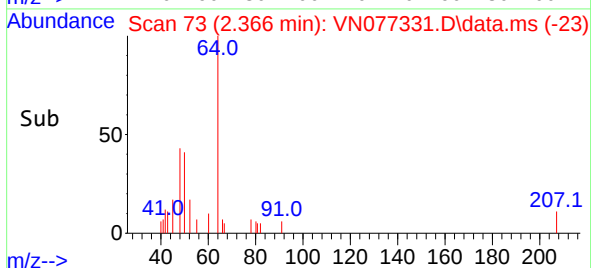
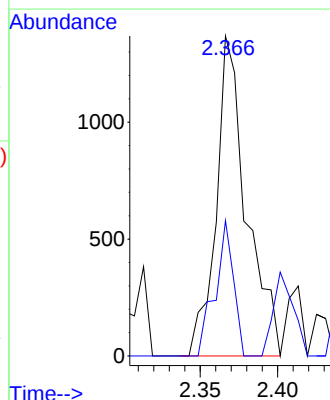
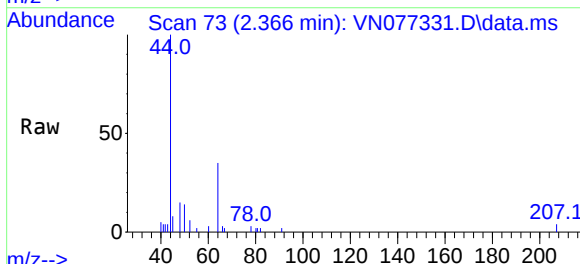
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#03

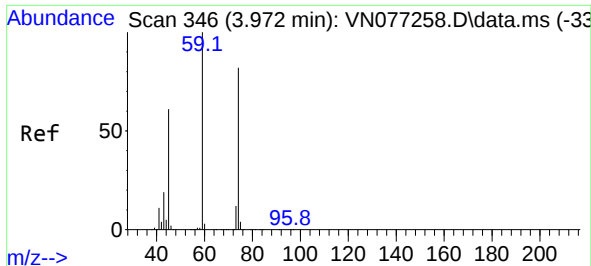
Tgt Ion:168 Resp: 567796
Ion Ratio Lower Upper
168 100
99 59.7 50.6 75.8



#3
Chloromethane
Concen: 0.207 ug/l
RT: 2.366 min Scan# 73
Delta R.T. -0.006 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

Tgt Ion: 50 Resp: 1856
Ion Ratio Lower Upper
50 100
52 42.3 27.3 40.9#

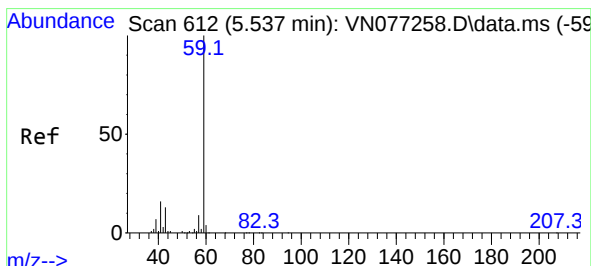
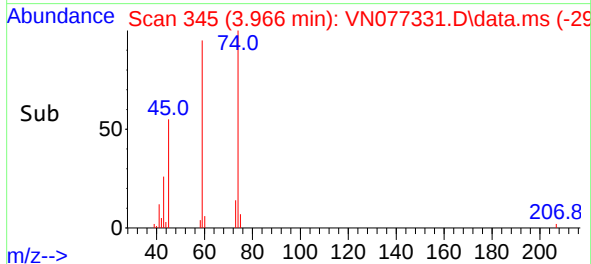
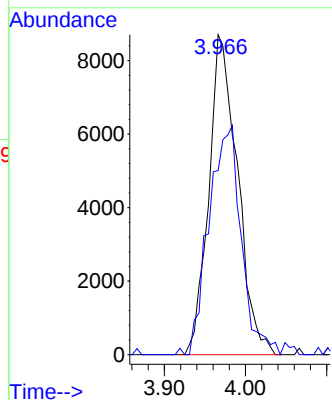
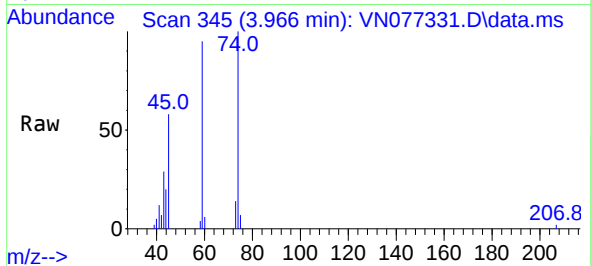




#8
Diethyl Ether
Concen: 4.842 ug/l
RT: 3.966 min Scan# 346
Delta R.T. -0.006 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

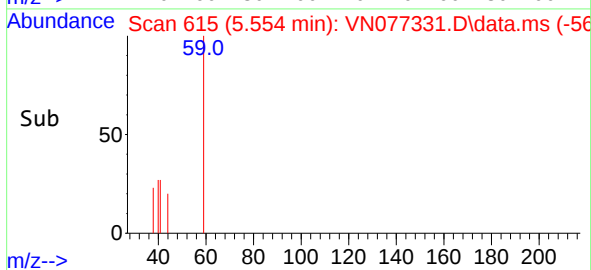
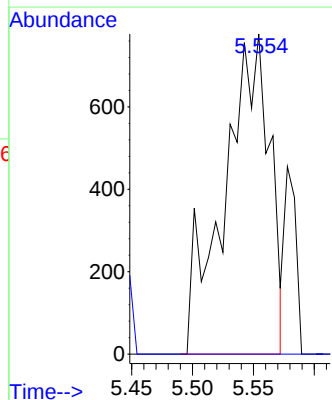
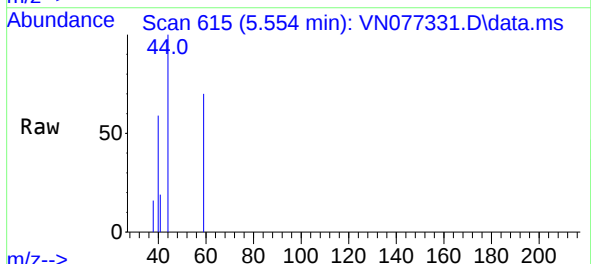
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#03

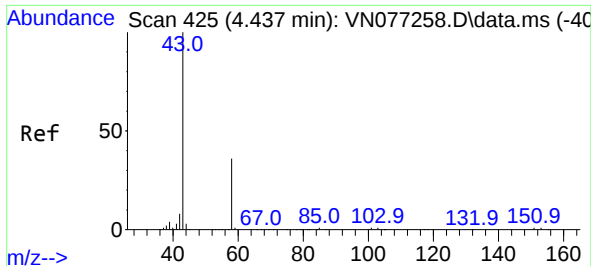
Tgt Ion: 74 Resp: 21423
Ion Ratio Lower Upper
74 100
45 80.3 37.8 113.4



#11
Tert butyl alcohol
Concen: 1.273 ug/l
RT: 5.554 min Scan# 615
Delta R.T. 0.017 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

Tgt Ion: 59 Resp: 2015
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

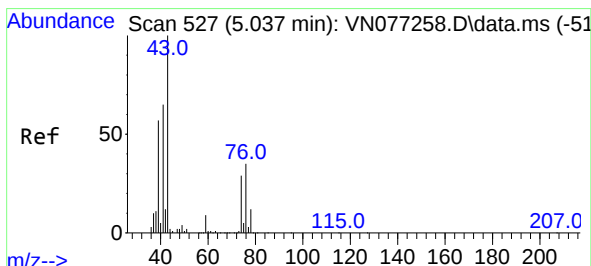
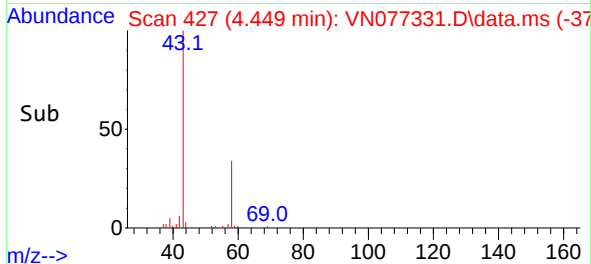
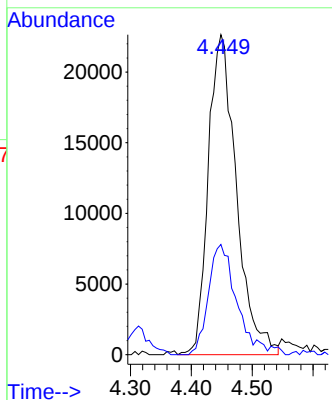
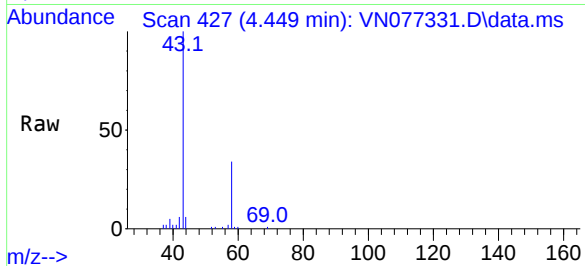




#16
Acetone
Concen: 25.351 ug/l
RT: 4.449 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

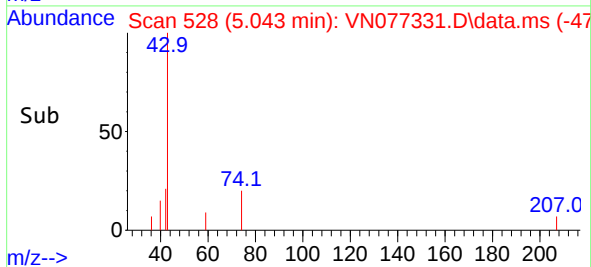
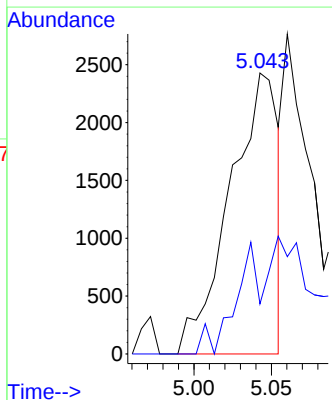
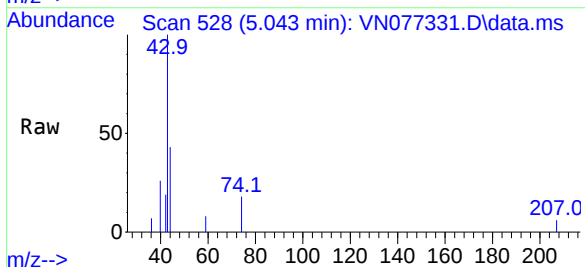
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#03

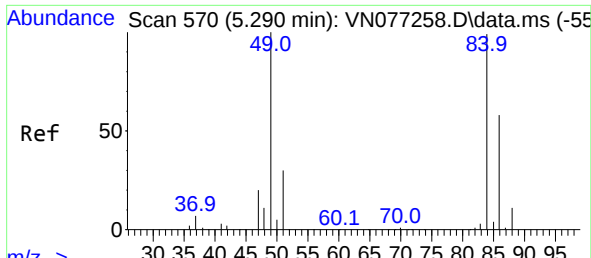
Tgt Ion: 43 Resp: 72536
Ion Ratio Lower Upper
43 100
58 34.4 29.0 43.6



#18
Methyl Acetate
Concen: 0.480 ug/l
RT: 5.043 min Scan# 528
Delta R.T. 0.006 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

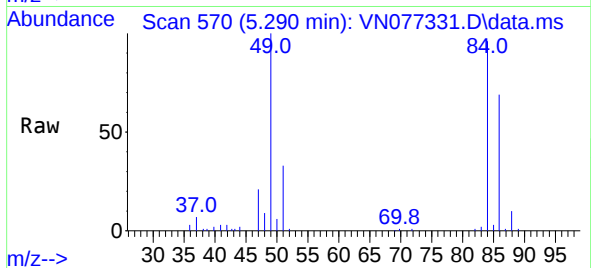
Tgt Ion: 43 Resp: 5235
Ion Ratio Lower Upper
43 100
74 19.6 23.4 35.2#



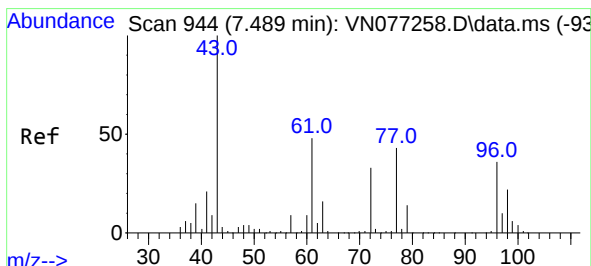
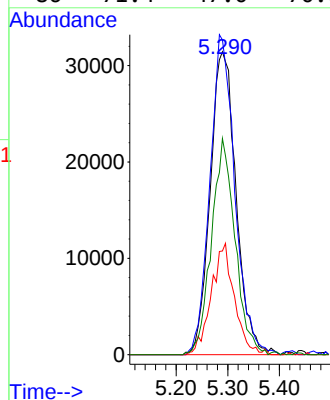
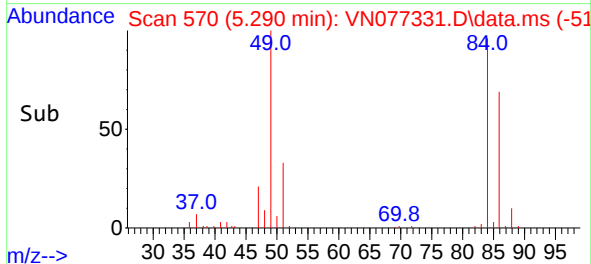


#20
Methylene Chloride
Concen: 13.539 ug/l
RT: 5.290 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#03

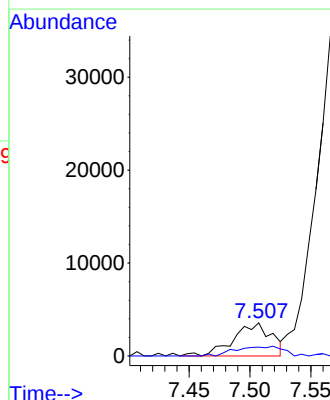
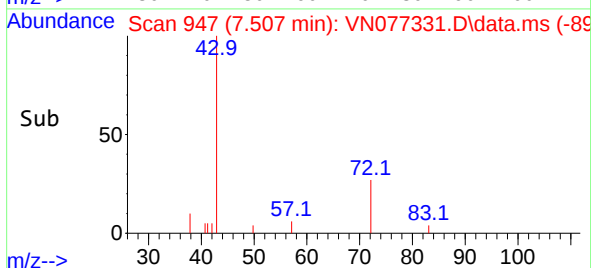
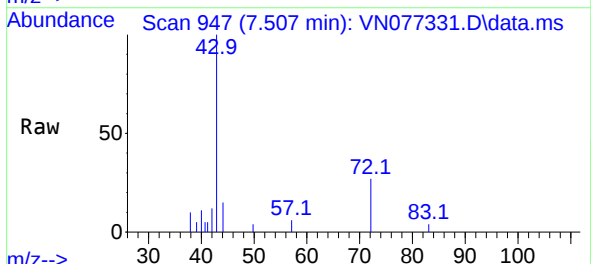


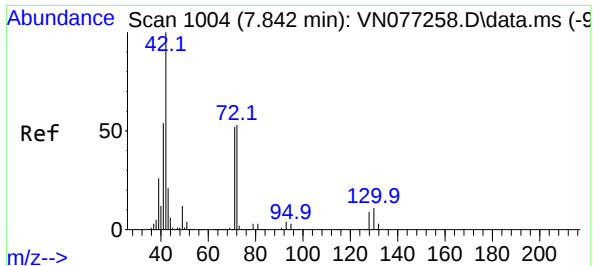
Tgt Ion: 84 Resp: 109403
Ion Ratio Lower Upper
84 100
49 103.9 80.6 121.0
51 34.2 24.4 36.6
86 71.4 47.0 70.6#



#25
2-Butanone
Concen: 1.670 ug/l
RT: 7.507 min Scan# 947
Delta R.T. 0.018 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

Tgt Ion: 43 Resp: 7757
Ion Ratio Lower Upper
43 100
72 26.7 26.6 39.8

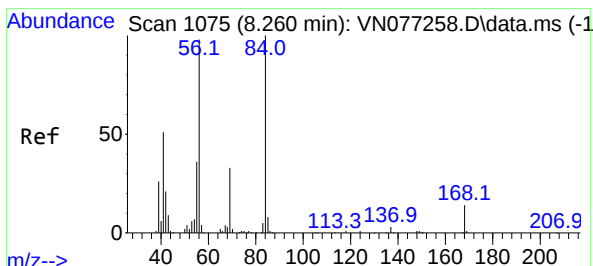
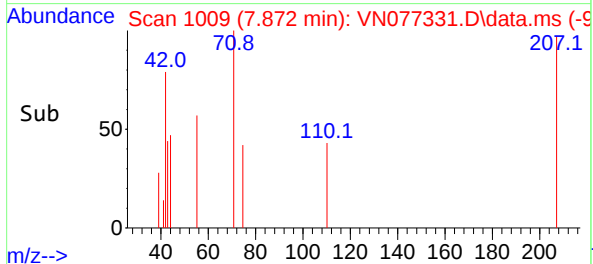
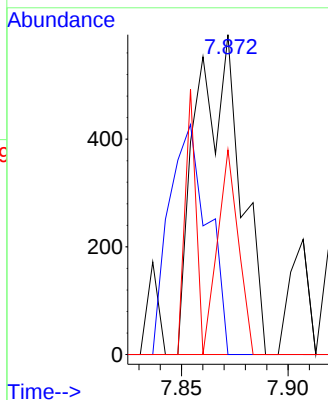
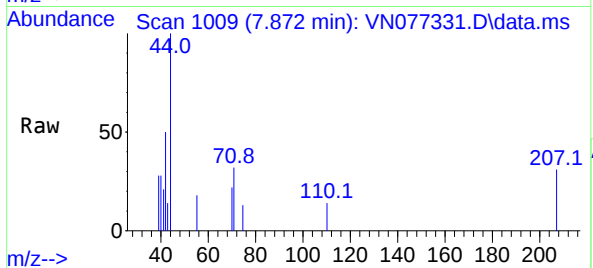




#29
Tetrahydrofuran
Concen: 0.290 ug/l
RT: 7.872 min Scan# 1069
Delta R.T. 0.030 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

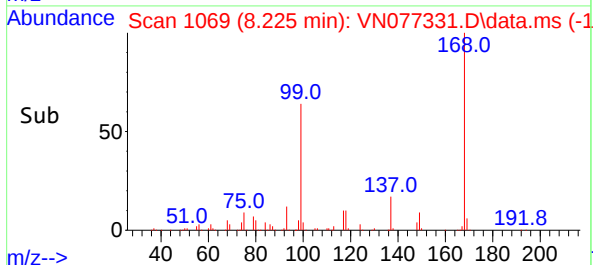
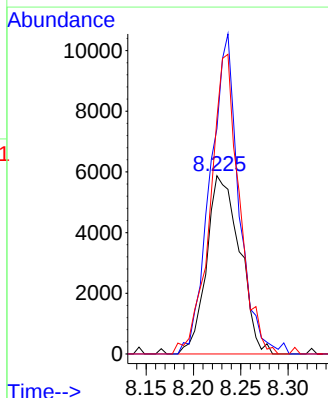
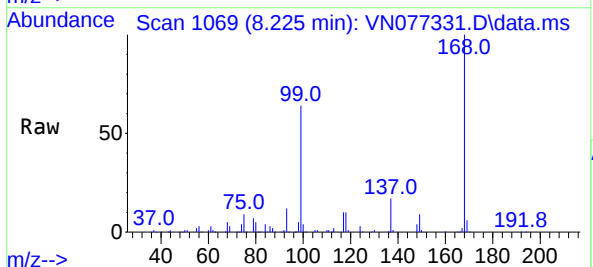
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MSVOA_N
ClientSampleId :
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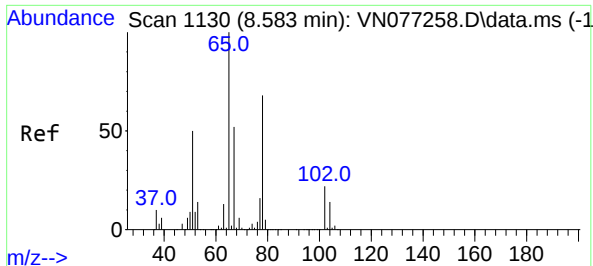
Tgt Ion: 42 Resp: 865
Ion Ratio Lower Upper
42 100
72 0.0 44.6 66.8#
71 30.1 41.3 61.9#



#31
Cyclohexane
Concen: 1.189 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.035 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

Tgt Ion: 56 Resp: 14335
Ion Ratio Lower Upper
56 100
69 126.4 26.6 40.0#
84 132.1 81.8 122.8#

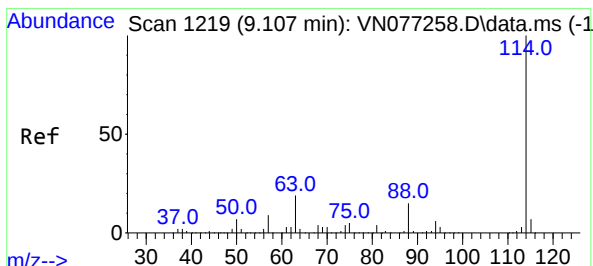
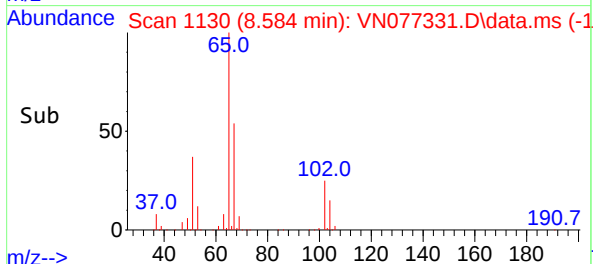
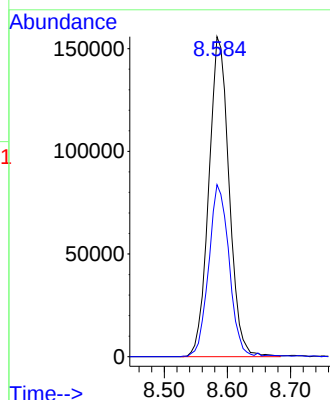
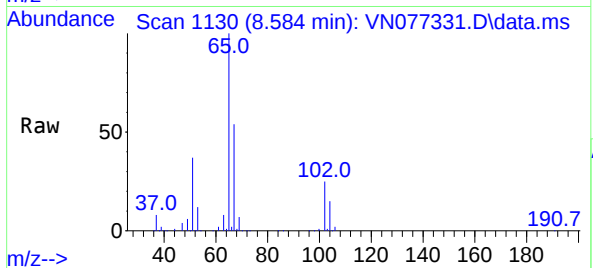




#33
1,2-Dichloroethane-d4
Concen: 44.872 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

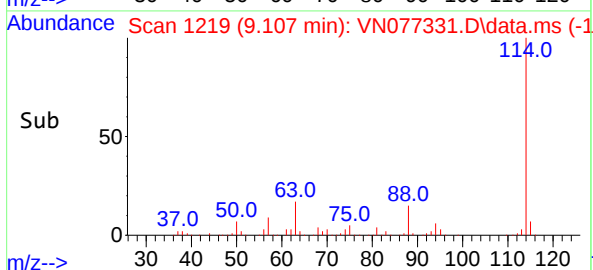
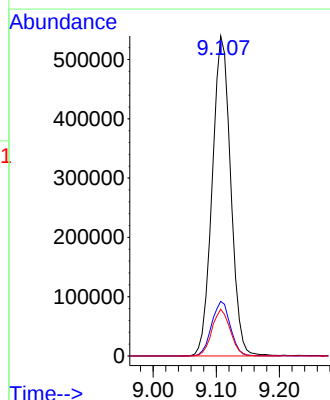
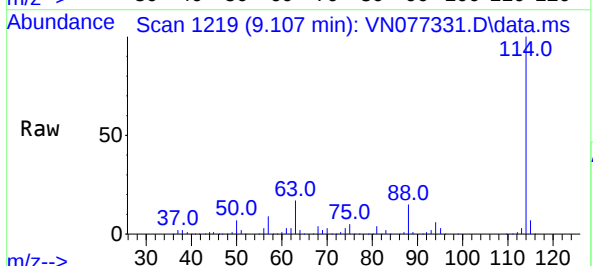
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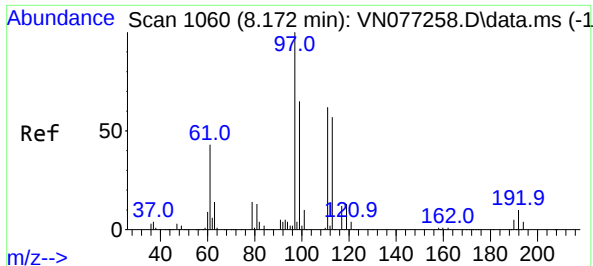
Tgt Ion: 65 Resp: 348218
Ion Ratio Lower Upper
65 100
67 53.8 0.0 108.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

Tgt Ion: 114 Resp: 1096040
Ion Ratio Lower Upper
114 100
63 17.1 0.0 37.8
88 14.6 0.0 29.4

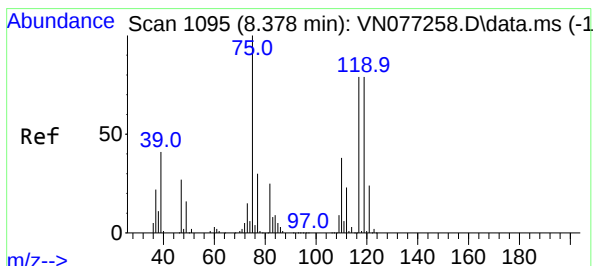
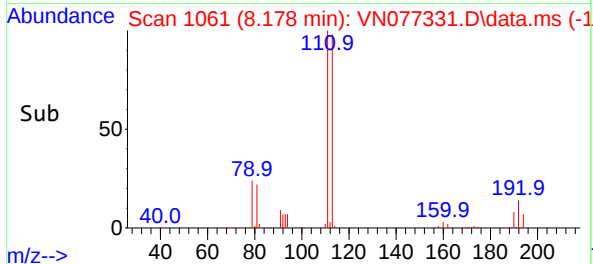
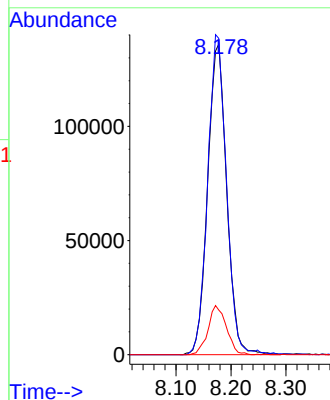
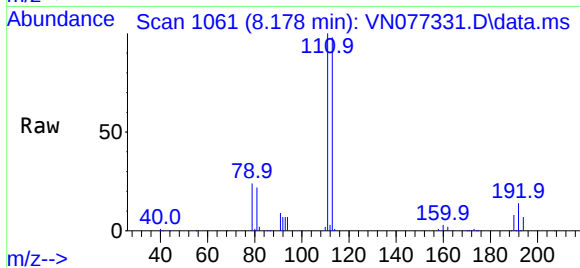




#35
Dibromofluoromethane
Concen: 46.593 ug/l
RT: 8.178 min Scan# 1060
Delta R.T. 0.006 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

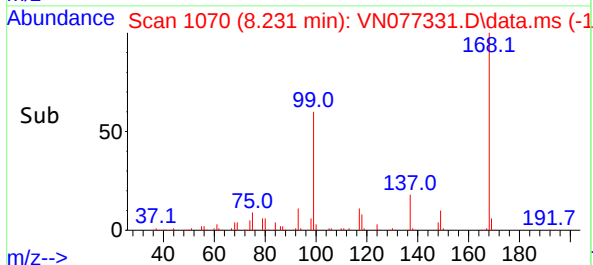
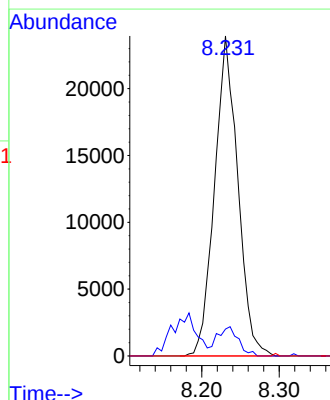
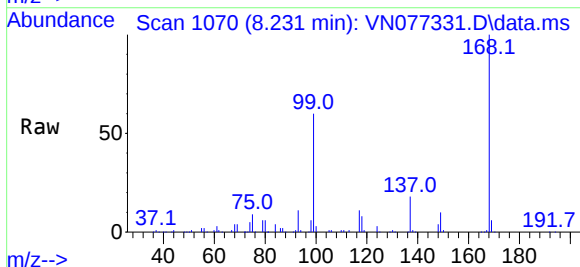
Instrument :
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ClientSampleId :
PB152070ZHE#03

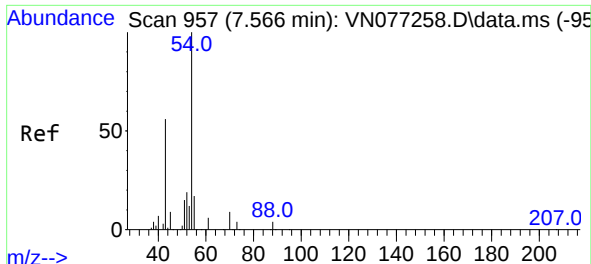
Tgt Ion:113 Resp: 326920
Ion Ratio Lower Upper
113 100
111 101.7 83.4 125.0
192 15.3 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.805 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

Tgt Ion: 75 Resp: 49864
Ion Ratio Lower Upper
75 100
110 8.4 17.8 53.5#
77 0.0 25.0 37.4#

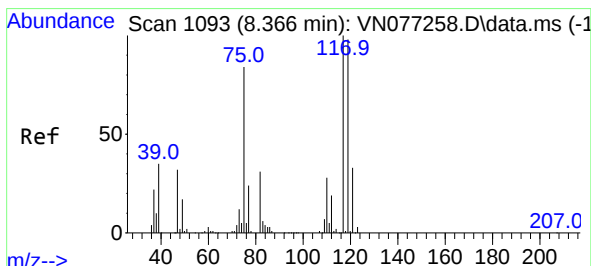
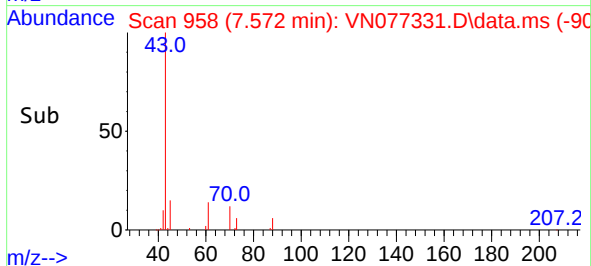
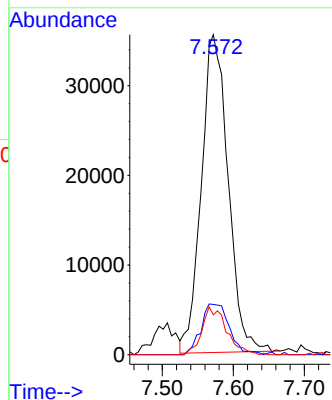
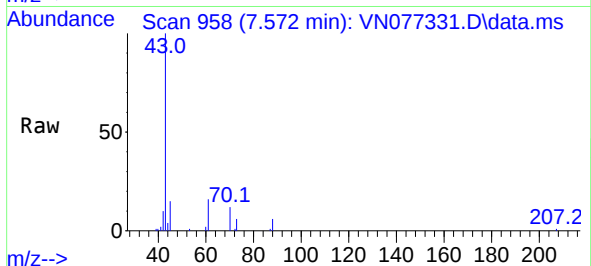




#37
Ethyl Acetate
Concen: 10.012 ug/l
RT: 7.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

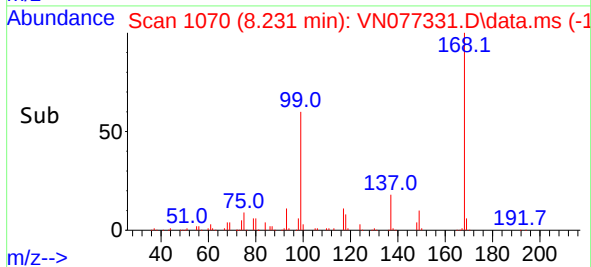
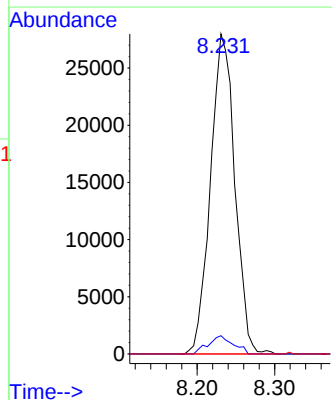
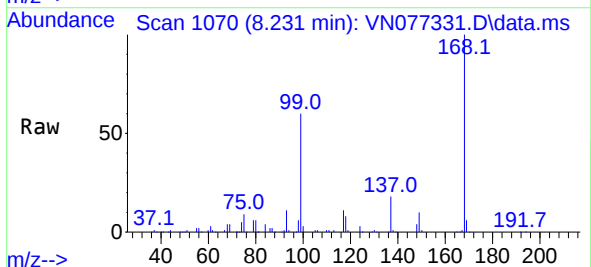
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#03

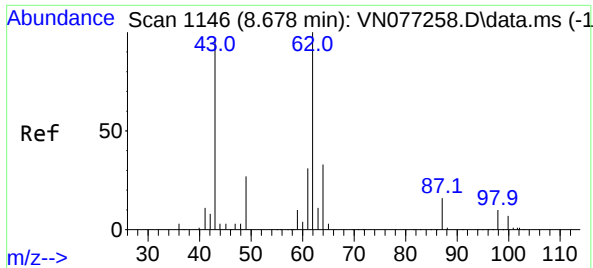
Tgt Ion: 43 Resp: 92959
Ion Ratio Lower Upper
43 100
61 16.8 12.2 18.2
70 13.8 10.0 15.0



#38
Carbon Tetrachloride
Concen: 5.751 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.135 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

Tgt Ion: 117 Resp: 61143
Ion Ratio Lower Upper
117 100
119 5.7 78.5 117.7#
121 0.0 26.6 40.0#

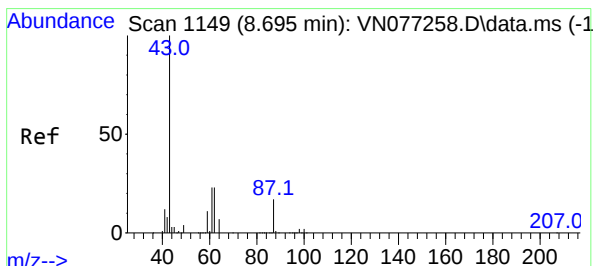
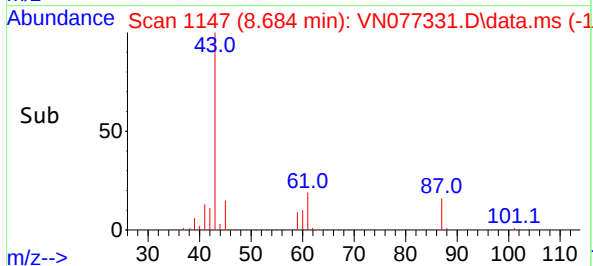
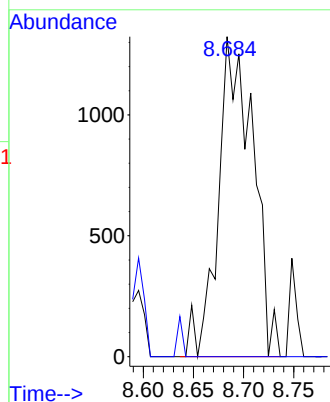
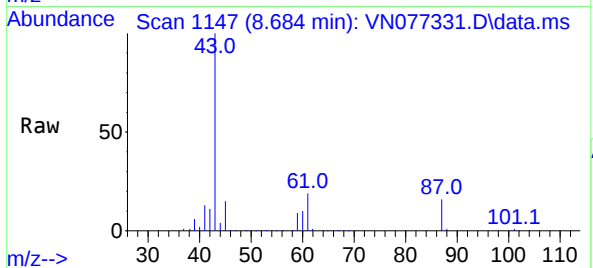




#42
1,2-Dichloroethane
Concen: 0.320 ug/l
RT: 8.684 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

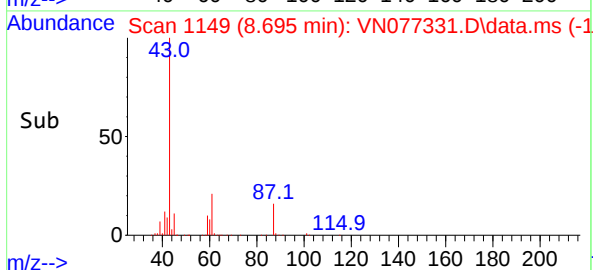
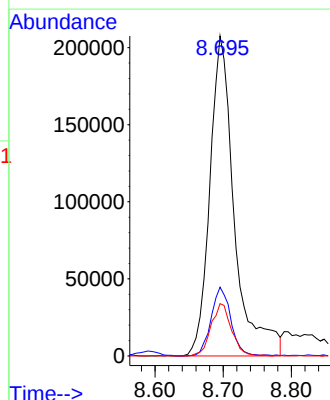
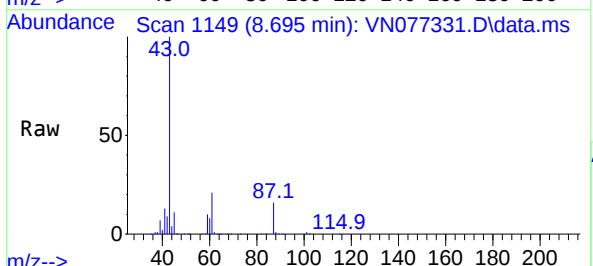
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#03

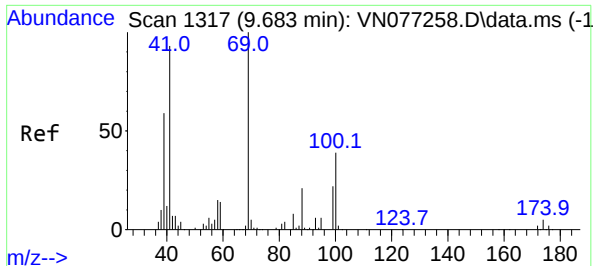
Tgt Ion: 62 Resp: 3187
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2



#43
Isopropyl Acetate
Concen: 30.406 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

Tgt Ion: 43 Resp: 520929
Ion Ratio Lower Upper
43 100
61 17.3 22.7 34.1#
87 13.5 13.6 20.4#





#48

Methyl methacrylate

Concen: 45.490 ug/l

RT: 9.748 min Scan# 1317

Delta R.T. 0.065 min

Lab File: VN077331.D

Acq: 13 Apr 2023 16:14

Instrument :

MSVOA_N

ClientSampleId :

PB152070ZHE#03

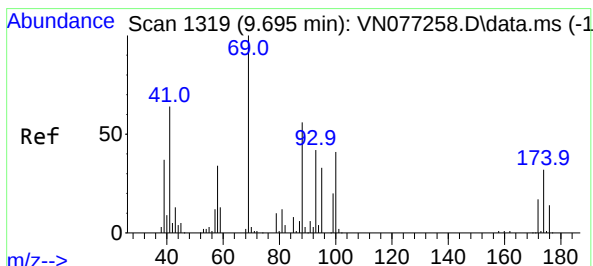
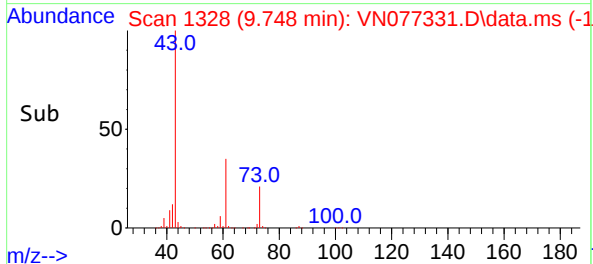
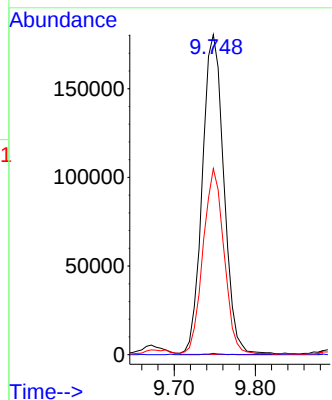
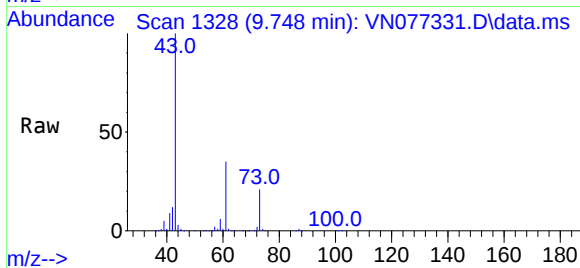
Tgt Ion: 41 Resp: 332466

Ion Ratio Lower Upper

41 100

69 0.2 85.0 127.6#

39 56.8 53.5 80.3



#49

1,4-Dioxane

Concen: 5.937 ug/l

RT: 9.748 min Scan# 1328

Delta R.T. 0.053 min

Lab File: VN077331.D

Acq: 13 Apr 2023 16:14

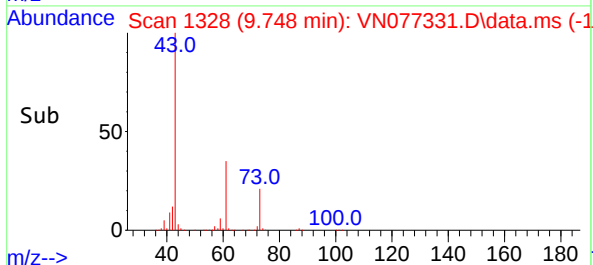
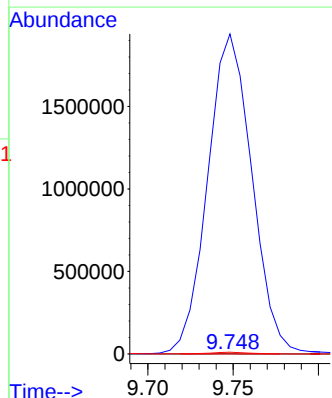
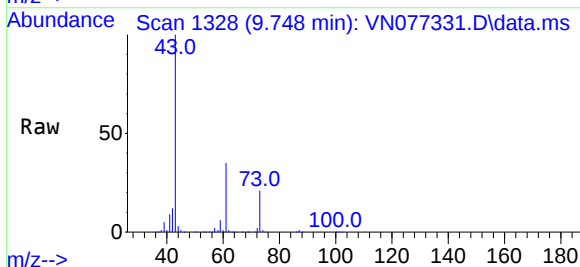
Tgt Ion: 88 Resp: 1052

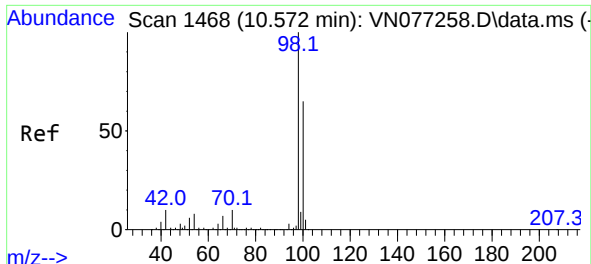
Ion Ratio Lower Upper

88 100

43 334551.2 17.0 25.6#

58 1654.2 49.8 74.6#

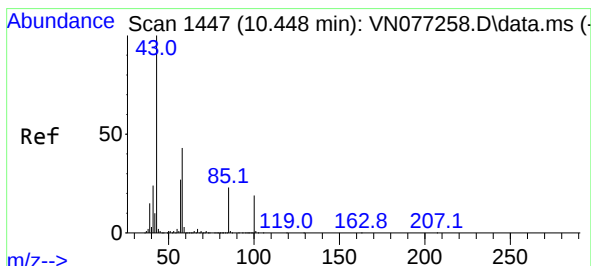
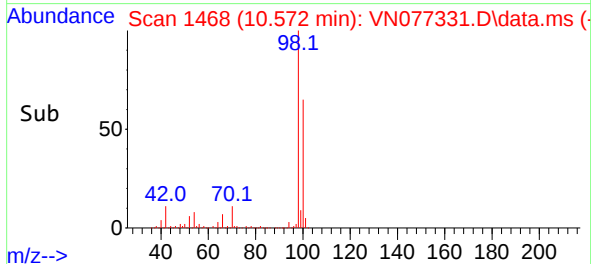
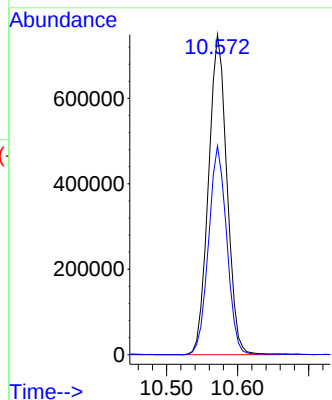
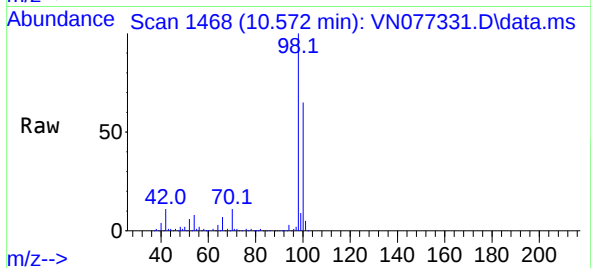




#50
Toluene-d8
Concen: 47.915 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

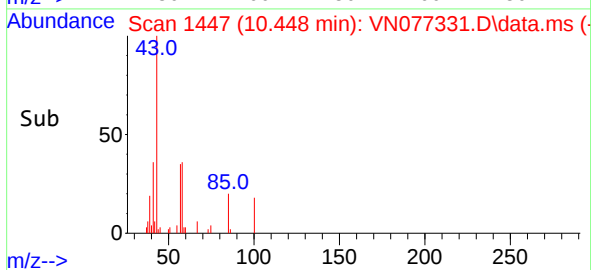
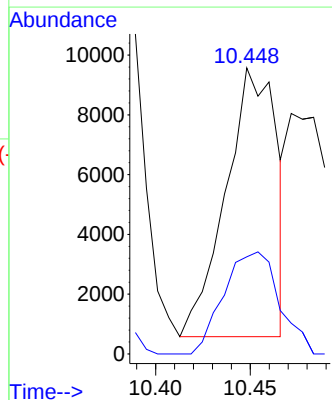
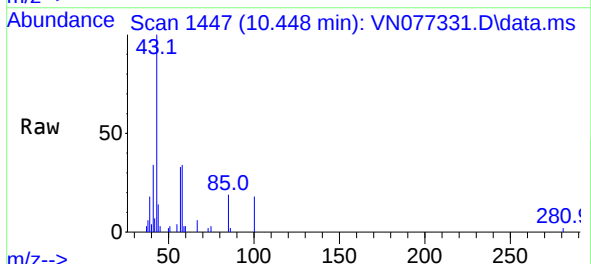
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#03

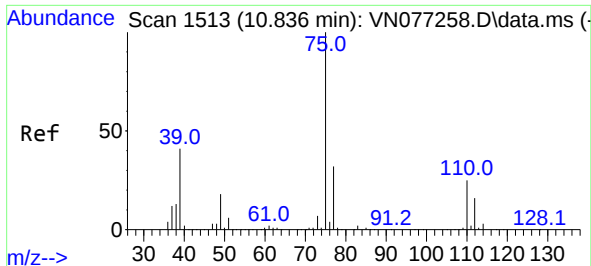
Tgt Ion: 98 Resp: 1353426
Ion Ratio Lower Upper
98 100
100 64.3 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 1.694 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

Tgt Ion: 43 Resp: 16776
Ion Ratio Lower Upper
43 100
58 41.6 34.6 52.0

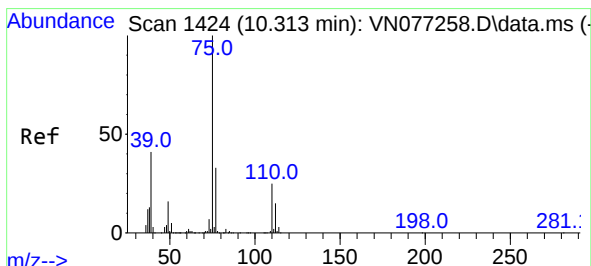
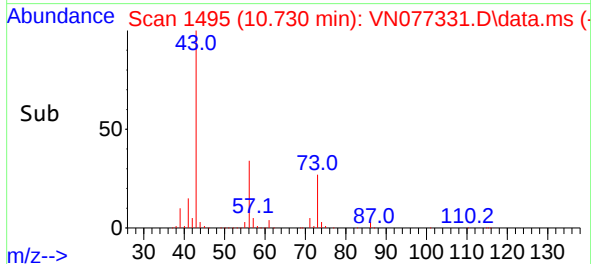
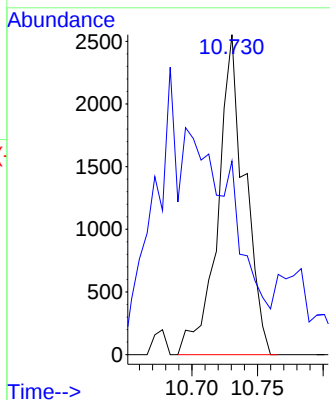
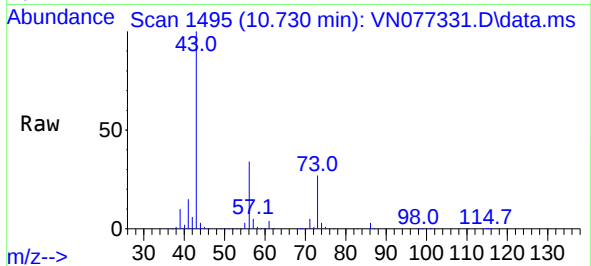




#53
t-1,3-Dichloropropene
Concen: 0.290 ug/l
RT: 10.730 min Scan# 1433
Delta R.T. -0.106 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

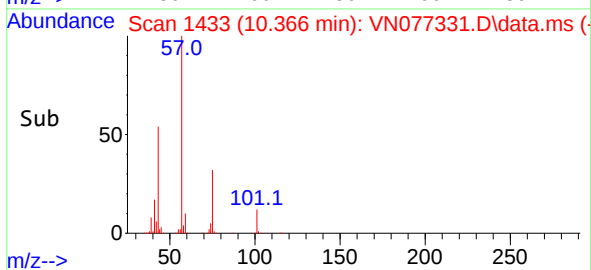
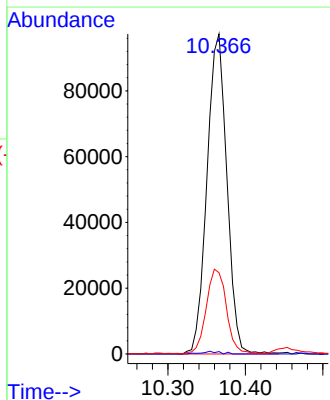
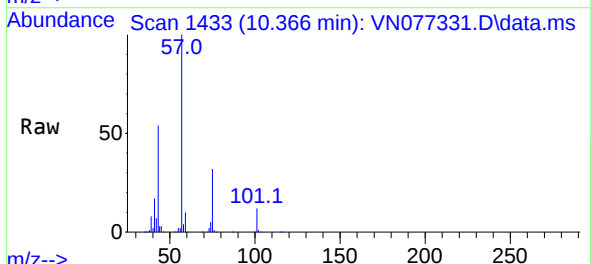
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#03

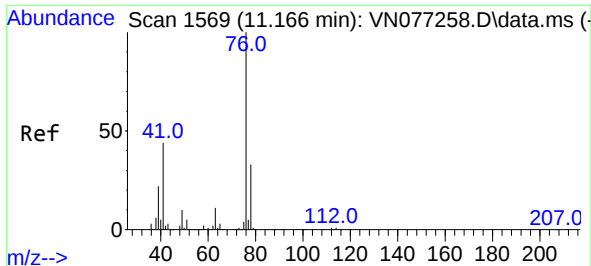
Tgt Ion: 75 Resp: 3641
Ion Ratio Lower Upper
75 100
77 35.4 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 12.952 ug/l
RT: 10.366 min Scan# 1433
Delta R.T. 0.053 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

Tgt Ion: 75 Resp: 173433
Ion Ratio Lower Upper
75 100
77 0.7 26.7 40.1#
39 25.2 32.8 49.2#

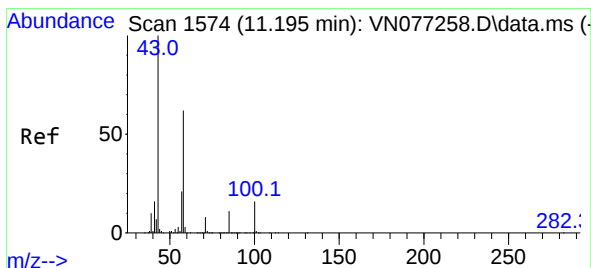
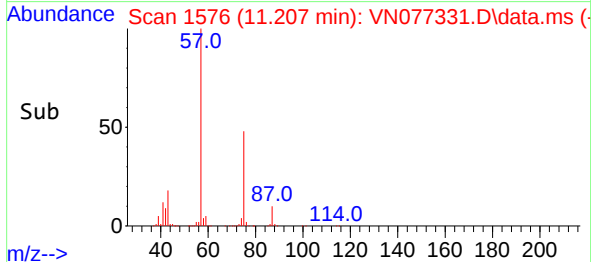
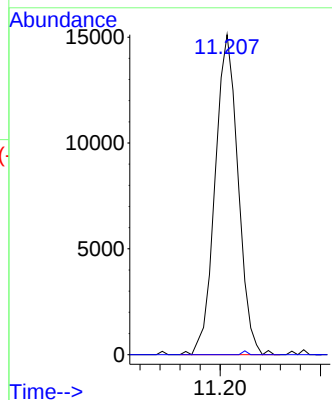
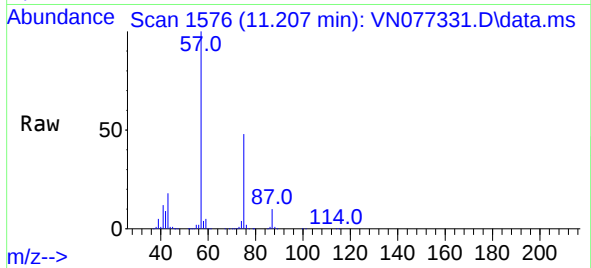




#57
1,3-Dichloropropane
Concen: 1.752 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.041 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

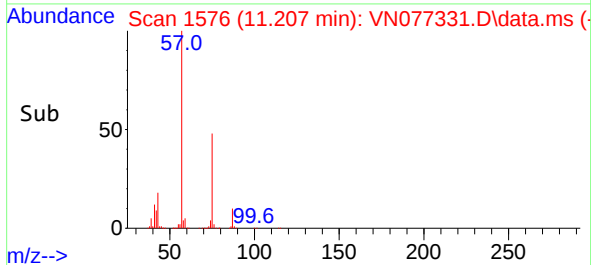
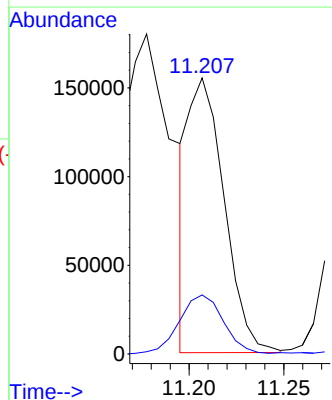
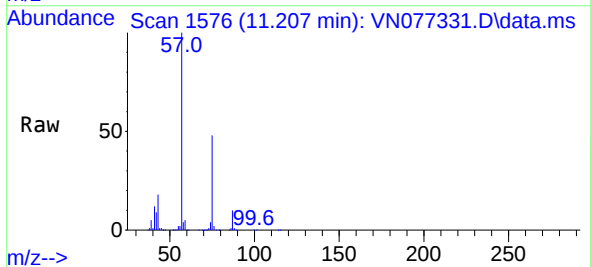
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#03

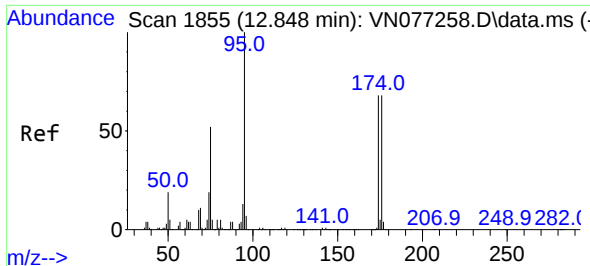
Tgt Ion: 76 Resp: 24066
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.4#



#59
2-Hexanone
Concen: 27.658 ug/l
RT: 11.207 min Scan# 1576
Delta R.T. 0.012 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

Tgt Ion: 43 Resp: 204053
Ion Ratio Lower Upper
43 100
58 26.5 30.9 92.5#

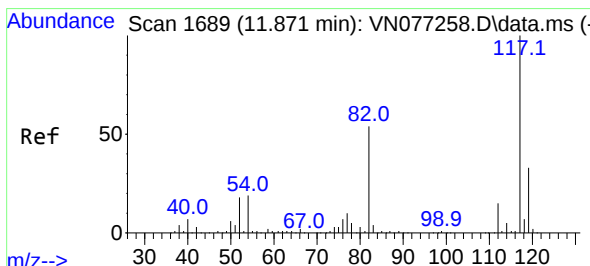
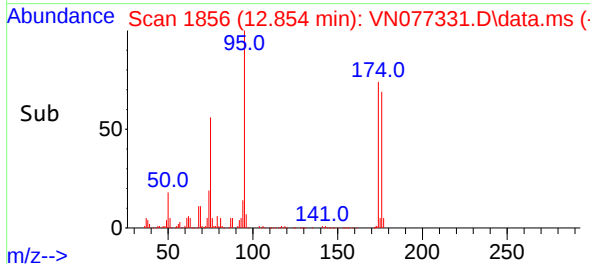
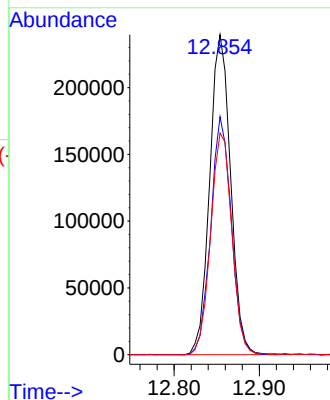
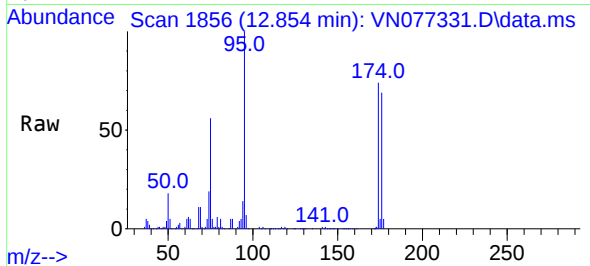




#62
4-Bromofluorobenzene
Concen: 43.455 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

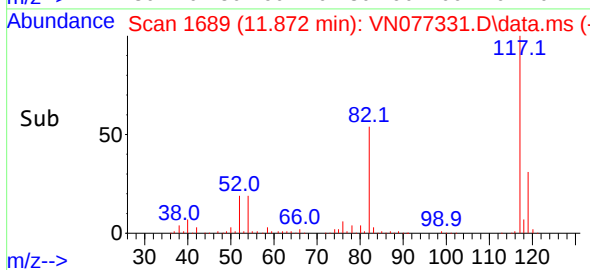
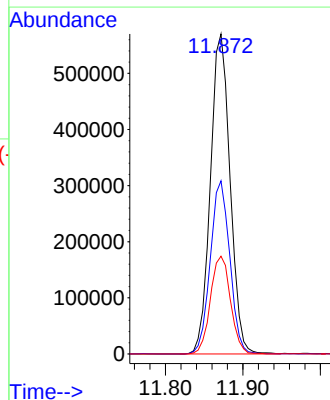
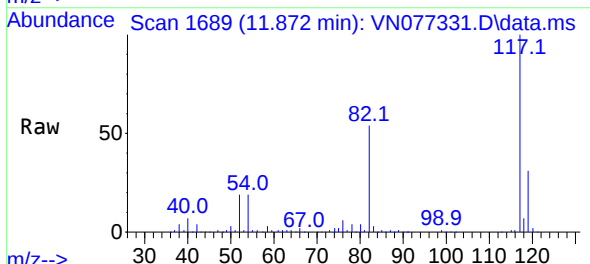
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#03

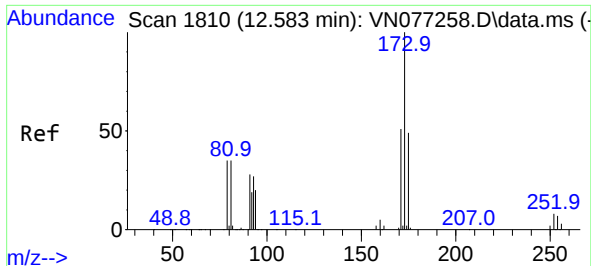
Tgt Ion: 95 Resp: 408230
Ion Ratio Lower Upper
95 100
174 73.2 0.0 146.8
176 70.2 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 1689
Delta R.T. 0.001 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

Tgt Ion: 117 Resp: 1005684
Ion Ratio Lower Upper
117 100
82 54.1 42.9 64.3
119 30.6 26.2 39.4

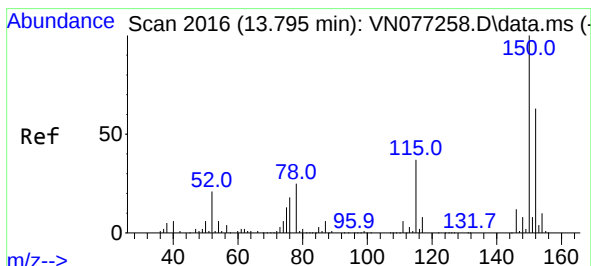
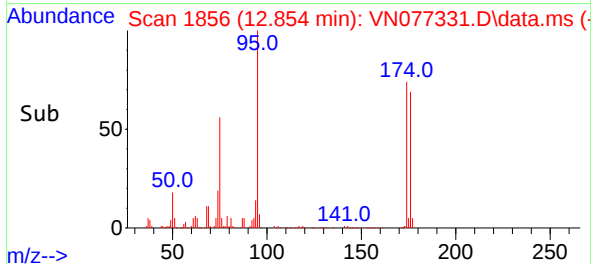
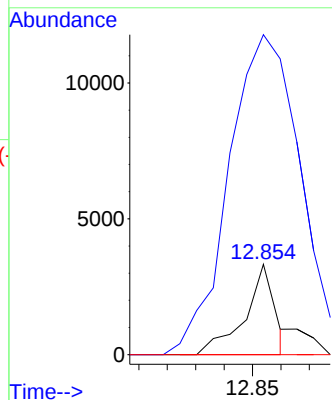
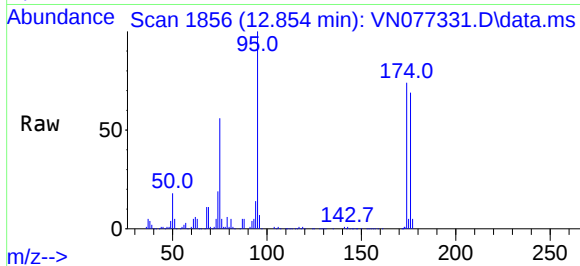




#71
Bromoform
Concen: 0.413 ug/l
RT: 12.854 min Scan# 1810
Delta R.T. 0.271 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

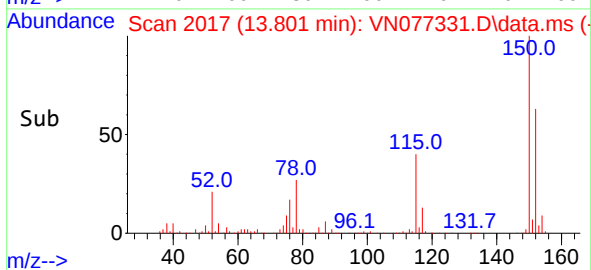
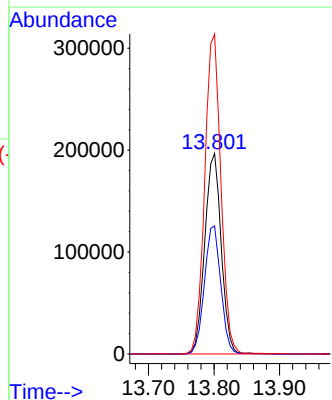
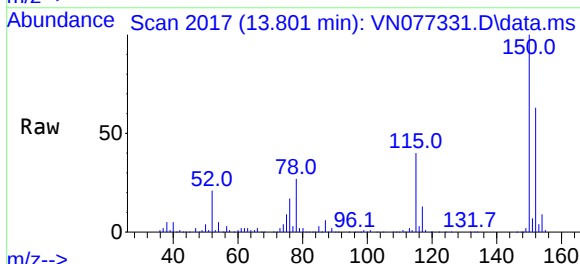
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#03

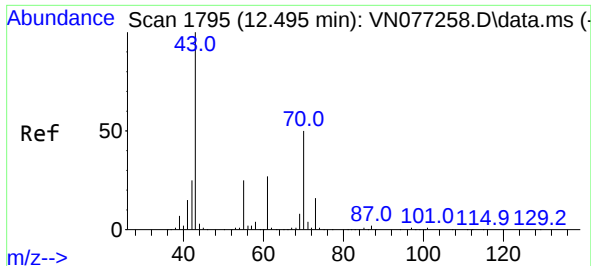
Tgt Ion:173 Resp: 2435
Ion Ratio Lower Upper
173 100
175 650.8 24.1 72.4#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.801 min Scan# 2017
Delta R.T. 0.006 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

Tgt Ion:152 Resp: 343838
Ion Ratio Lower Upper
152 100
115 63.6 32.1 96.3
150 156.9 0.0 354.8

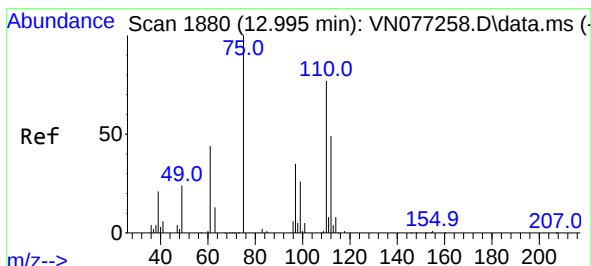
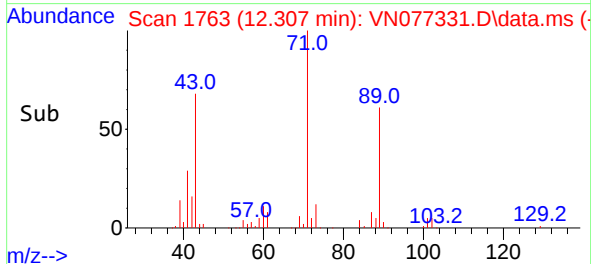
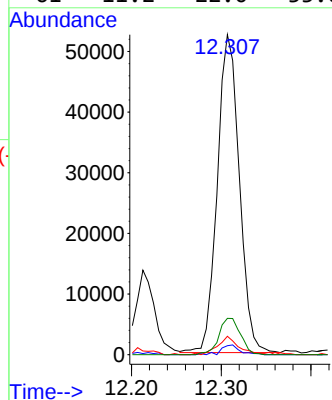
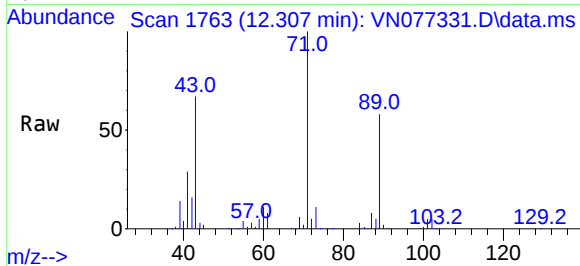




#74
N-amy1 acetate
Concen: 7.068 ug/l
RT: 12.307 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

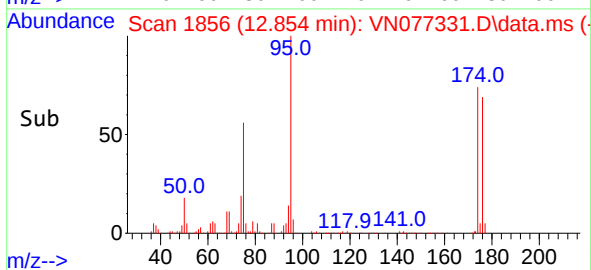
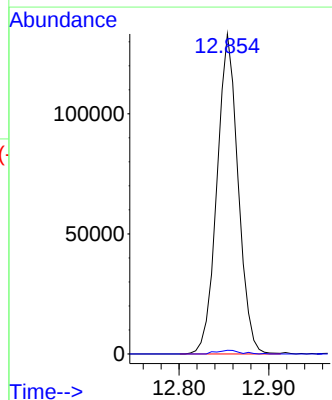
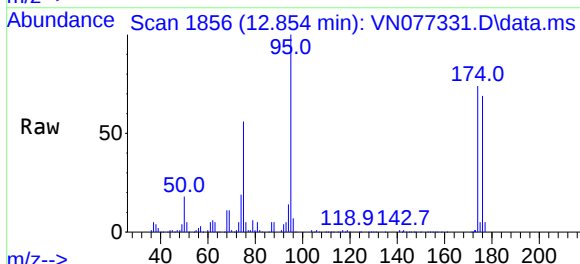
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#03

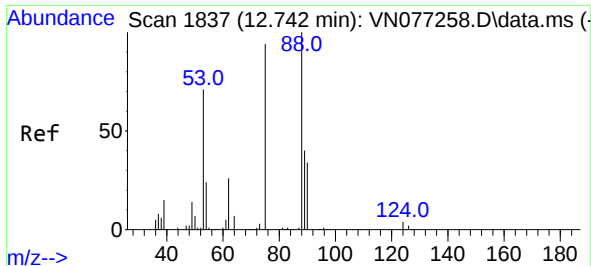
Tgt Ion:	43	Resp:	89450
Ion	Ratio	Lower	Upper
43	100		
70	2.6	41.0	61.6#
55	5.5	19.3	28.9#
61	11.2	22.0	33.0#



#76
1,2,3-Trichloropropane
Concen: 26.637 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077331.D
Acq: 13 Apr 2023 16:14

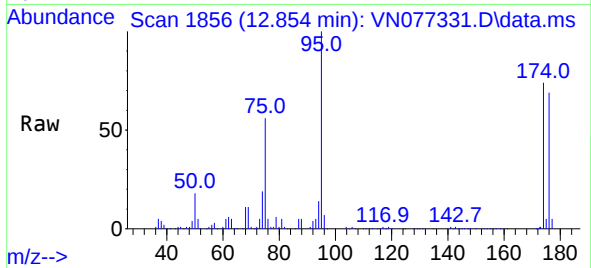
Tgt Ion:	75	Resp:	218097
Ion	Ratio	Lower	Upper
75	100		
77	1.3	88.3	264.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.942 ug/l
 RT: 12.854 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN077331.D
 Acq: 13 Apr 2023 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152070ZHE#03



Tgt Ion: 75 Resp: 218097
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.8 109.2#
 89 0.0 37.4 56.2#

