

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042423\
 Data File : VN077455.D
 Acq On : 25 Apr 2023 08:05
 Operator : JC\MD
 Sample : PB152304ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152304ZHE#06

Quant Time: Apr 25 08:44:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

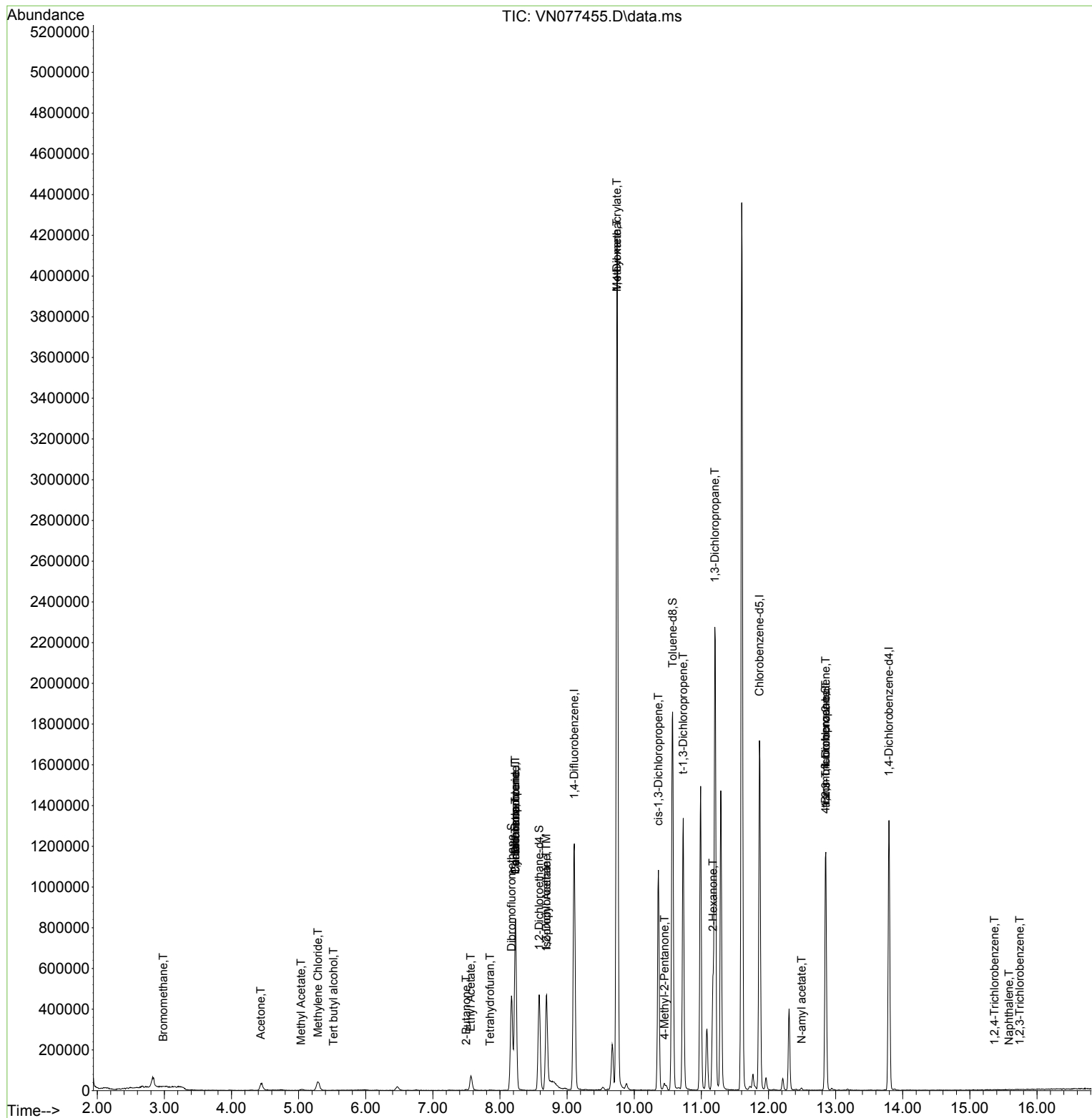
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	586713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1098677	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1014799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	348212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	382179	49.919	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.840%
35) Dibromofluoromethane	8.172	113	329170	49.848	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.700%
50) Toluene-d8	10.572	98	1370270	54.143	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	108.280%
62) 4-Bromofluorobenzene	12.848	95	424915	51.316	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.640%
Target Compounds						
					Qvalue	
5) Bromomethane	2.984	94	3458	0.510	ug/l	91
11) Tert butyl alcohol	5.519	59	420	0.342	ug/l #	52
16) Acetone	4.437	43	65051	26.708	ug/l	99
18) Methyl Acetate	5.037	43	10831	1.152	ug/l #	75
20) Methylene Chloride	5.290	84	38742	5.016	ug/l	91
25) 2-Butanone	7.495	43	6197	1.794	ug/l	98
29) Tetrahydrofuran	7.854	42	1053	0.486	ug/l #	53
31) Cyclohexane	8.230	56	13705	1.264	ug/l #	22
36) 1,1-Dichloropropene	8.230	75	52735	5.528	ug/l #	49
37) Ethyl Acetate	7.566	43	97958	13.512	ug/l	96
38) Carbon Tetrachloride	8.230	117	66234	6.292	ug/l #	15
42) 1,2-Dichloroethane	8.689	62	3930	0.394	ug/l #	73
43) Isopropyl Acetate	8.695	43	542950	43.292	ug/l #	85
48) Methyl methacrylate	9.742	41	372119	65.183	ug/l #	29
49) 1,4-Dioxane	9.742	88	695	4.853	ug/l #	1
51) 4-Methyl-2-Pentanone	10.454	43	18295	2.487	ug/l	96
53) t-1,3-Dichloropropene	10.730	75	4064	0.376	ug/l #	73
54) cis-1,3-Dichloropropene	10.360	75	228497	19.402	ug/l #	61
57) 1,3-Dichloropropane	11.201	76	28925	2.372	ug/l #	42
59) 2-Hexanone	11.171	43	385431	72.082	ug/l #	19
74) N-amyl acetate	12.495	43	4702	0.492	ug/l #	46
76) 1,2,3-Trichloropropane	12.854	75	226712	27.998	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	226712	79.100	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.365	180	153	0.858	ug/l #	1
95) Naphthalene	15.583	128	1700	1.323	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.742	180	56	0.497	ug/l #	18

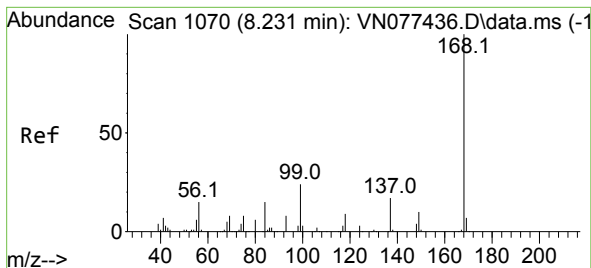
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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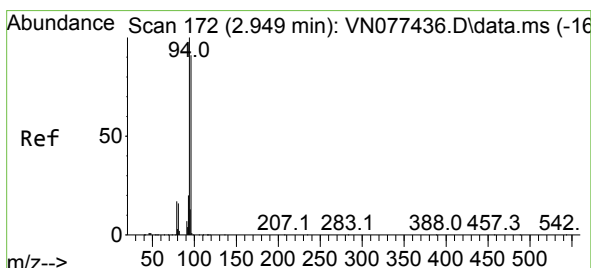
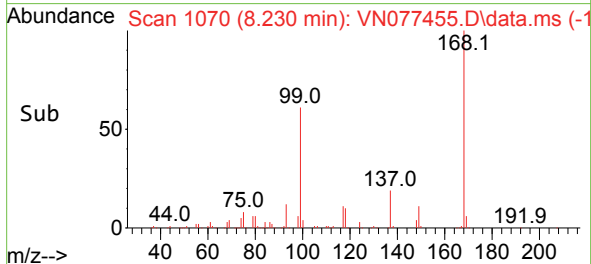
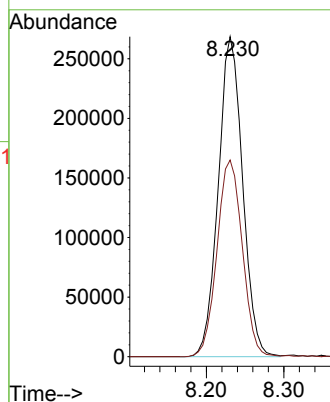
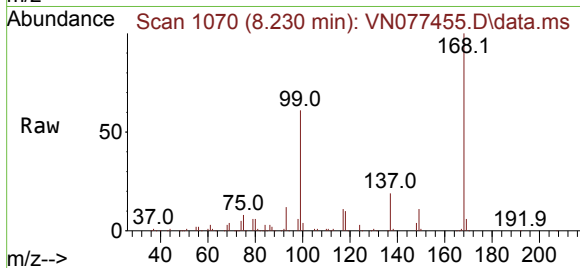




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.001 min
Lab File: VN077455.D
Acq: 25 Apr 2023 08:05

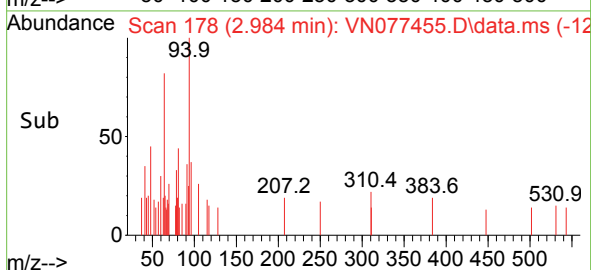
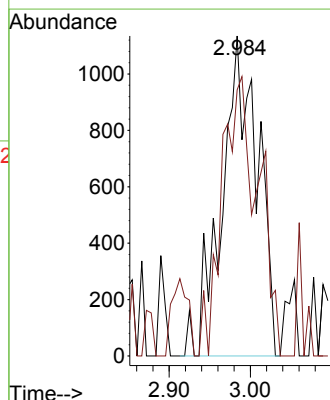
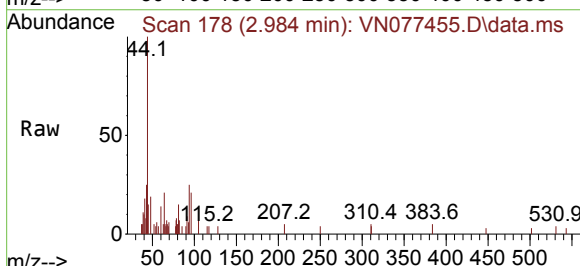
Instrument :
MSVOA_N
ClientSampleId :
PB152304ZHE#06

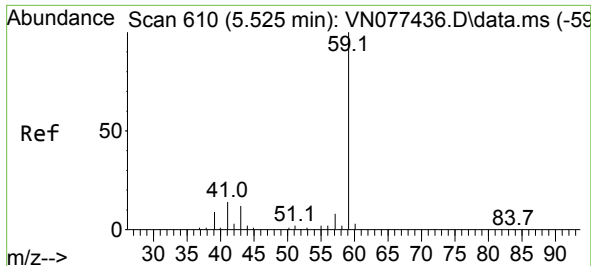
Tgt Ion:168 Resp: 586713
Ion Ratio Lower Upper
168 100
99 61.4 53.0 79.6



#5
Bromomethane
Concen: 0.510 ug/l
RT: 2.984 min Scan# 178
Delta R.T. 0.035 min
Lab File: VN077455.D
Acq: 25 Apr 2023 08:05

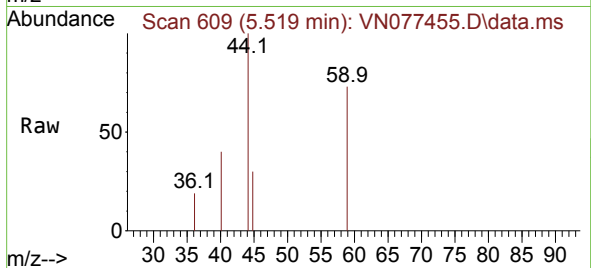
Tgt Ion: 94 Resp: 3458
Ion Ratio Lower Upper
94 100
96 83.2 73.1 109.7



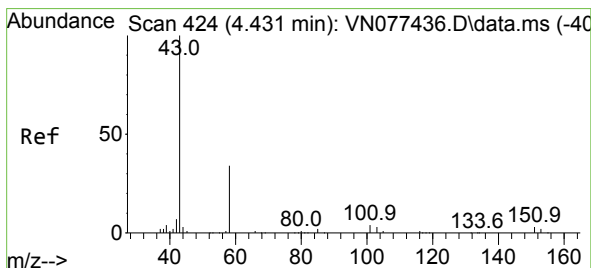
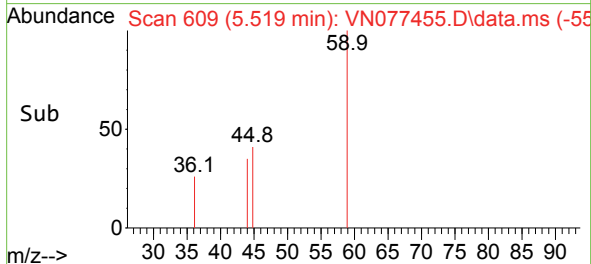
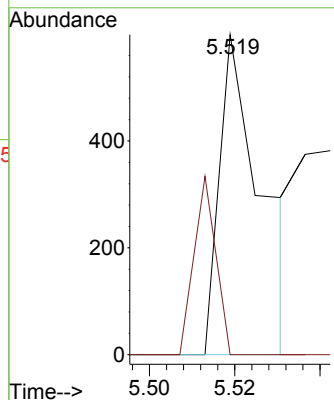


#11
Tert butyl alcohol
Concen: 0.342 ug/l
RT: 5.519 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN077455.D
Acq: 25 Apr 2023 08:05

Instrument :
MSVOA_N
ClientSampleId :
PB152304ZHE#06

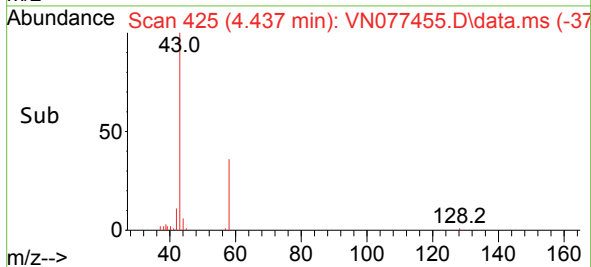
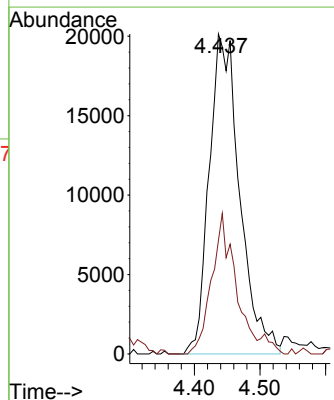
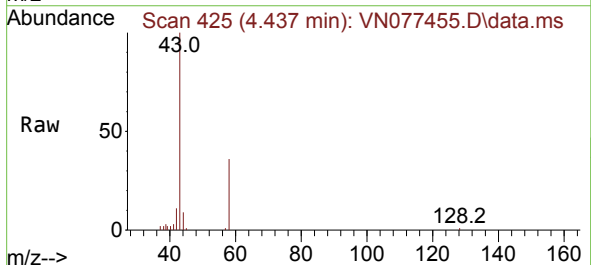


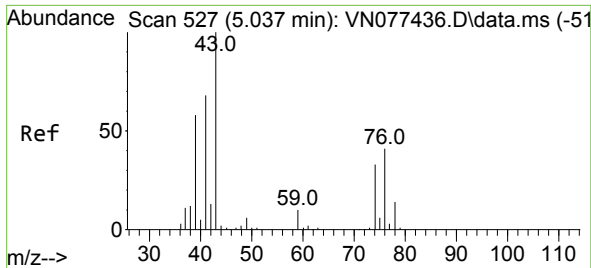
Tgt Ion: 59 Resp: 420
Ion Ratio Lower Upper
59 100
57 28.1 8.2 12.4#



#16
Acetone
Concen: 26.708 ug/l
RT: 4.437 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN077455.D
Acq: 25 Apr 2023 08:05

Tgt Ion: 43 Resp: 65051
Ion Ratio Lower Upper
43 100
58 35.5 28.0 42.0

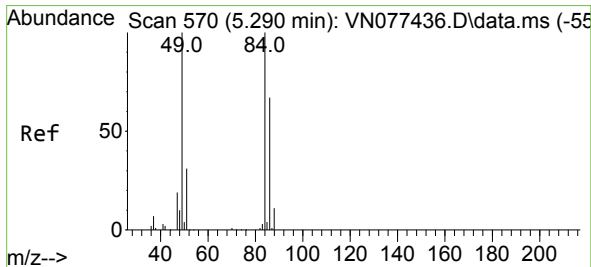
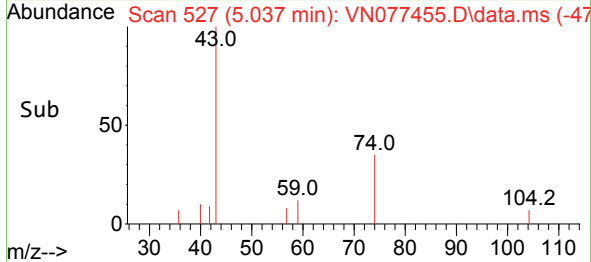
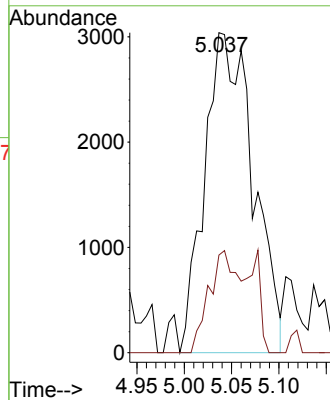
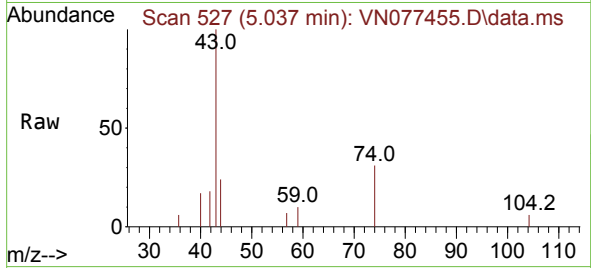




#18
Methyl Acetate
Concen: 1.152 ug/l
RT: 5.037 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077455.D
Acq: 25 Apr 2023 08:05

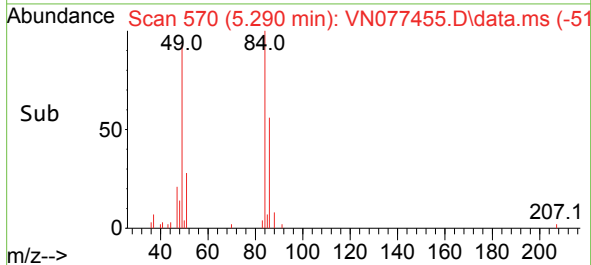
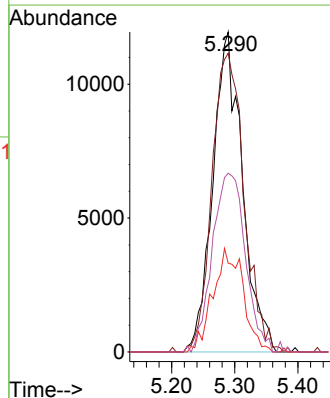
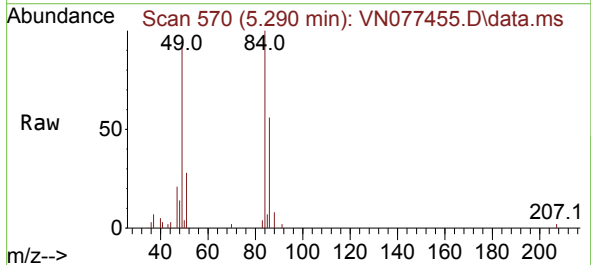
Instrument :
MSVOA_N
ClientSampleId :
PB152304ZHE#06

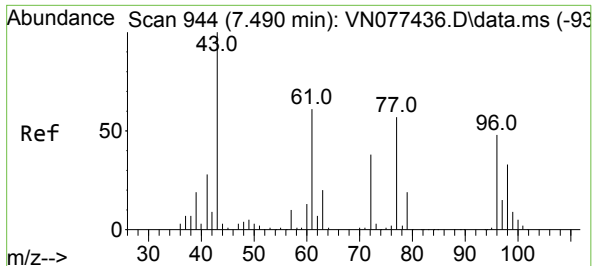
Tgt Ion: 43 Resp: 10831
Ion Ratio Lower Upper
43 100
74 18.9 26.2 39.4#



#20
Methylene Chloride
Concen: 5.016 ug/l
RT: 5.290 min Scan# 570
Delta R.T. -0.000 min
Lab File: VN077455.D
Acq: 25 Apr 2023 08:05

Tgt Ion: 84 Resp: 38742
Ion Ratio Lower Upper
84 100
49 93.3 79.7 119.5
51 27.8 25.2 37.8
86 55.8 53.3 79.9

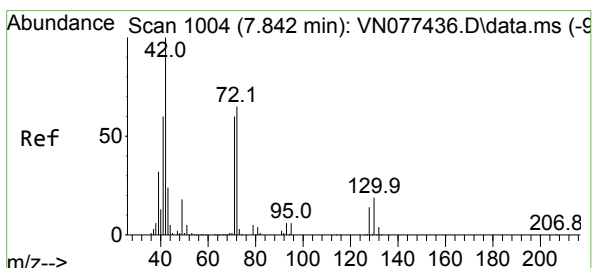
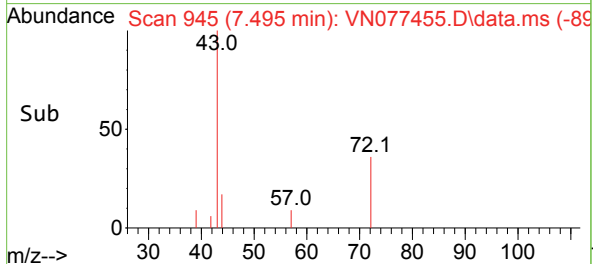
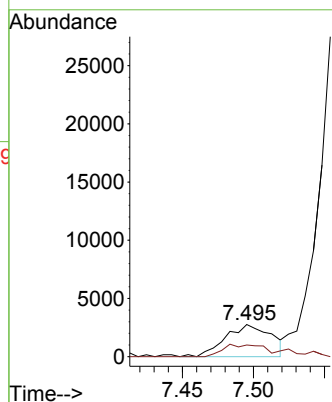
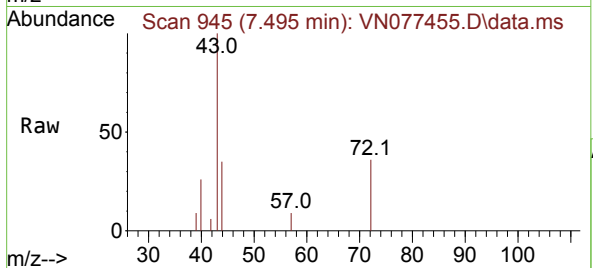




#25
2-Butanone
Concen: 1.794 ug/l
RT: 7.495 min Scan# 944
Delta R.T. 0.006 min
Lab File: VN077455.D
Acq: 25 Apr 2023 08:05

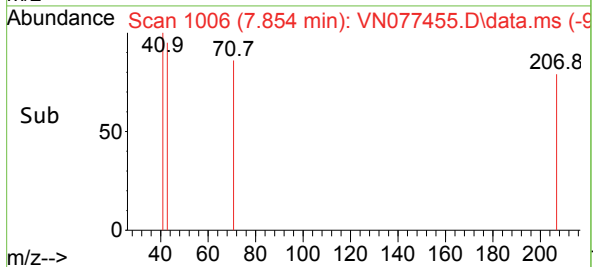
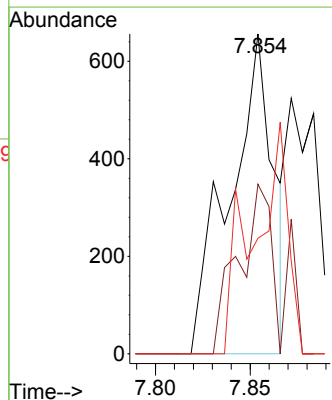
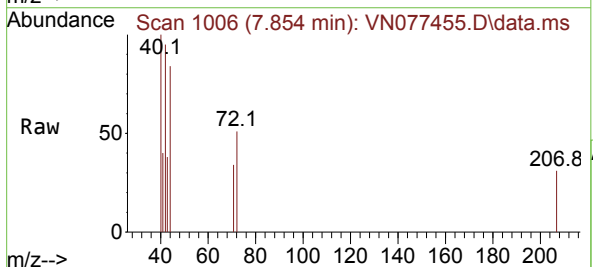
Instrument :
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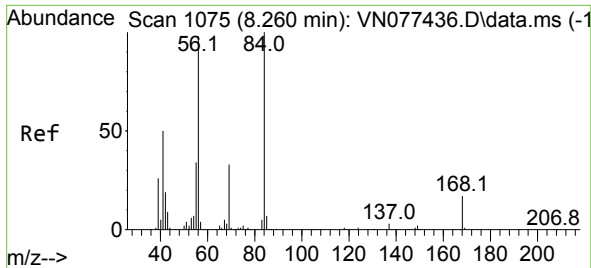
Tgt Ion: 43 Resp: 6197
Ion Ratio Lower Upper
43 100
72 36.3 30.2 45.2



#29
Tetrahydrofuran
Concen: 0.486 ug/l
RT: 7.854 min Scan# 1006
Delta R.T. 0.012 min
Lab File: VN077455.D
Acq: 25 Apr 2023 08:05

Tgt Ion: 42 Resp: 1053
Ion Ratio Lower Upper
42 100
72 48.9 49.8 74.6#
71 0.0 47.4 71.2#

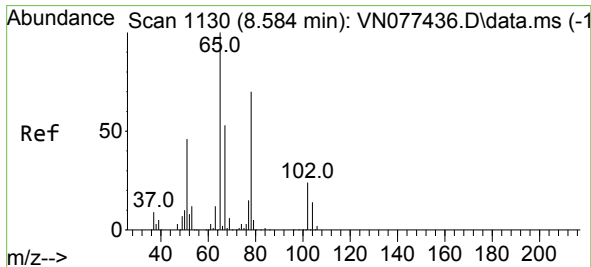
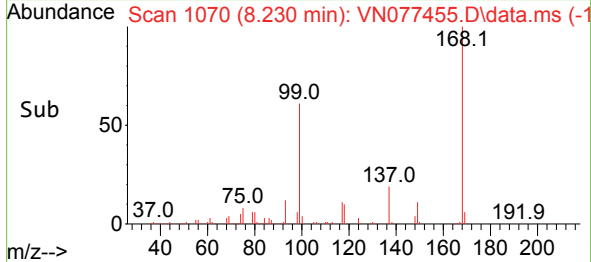
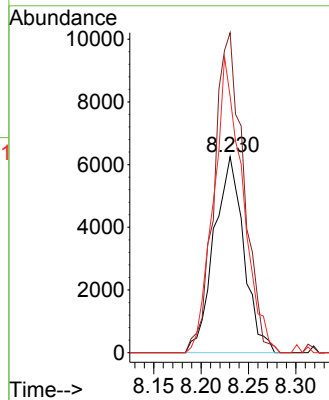
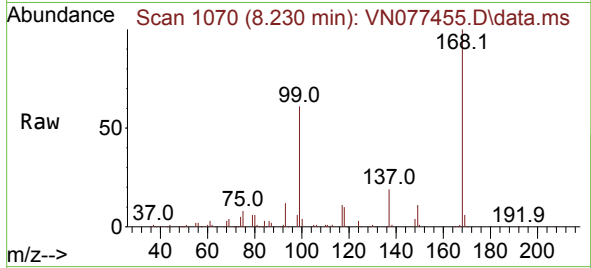




#31
Cyclohexane
Concen: 1.264 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.030 min
Lab File: VN077455.D
Acq: 25 Apr 2023 08:05

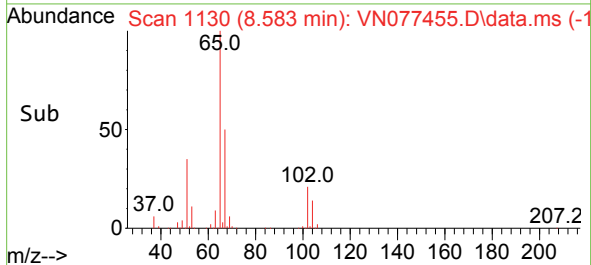
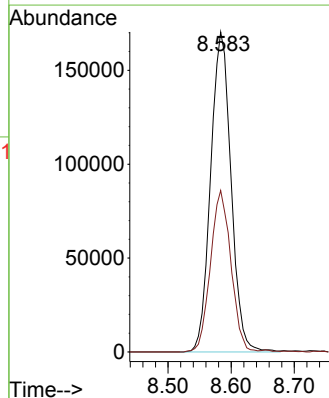
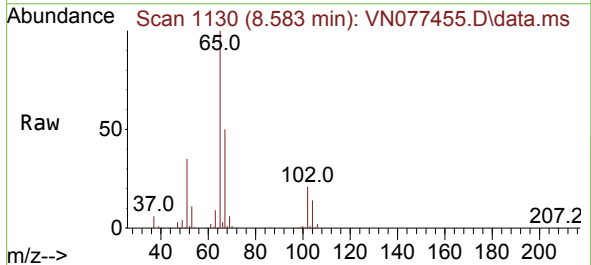
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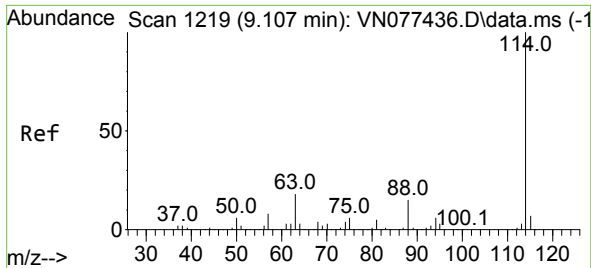
Tgt Ion: 56 Resp: 13705
Ion Ratio Lower Upper
56 100
69 163.3 26.8 40.2#
84 130.8 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 49.919 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN077455.D
Acq: 25 Apr 2023 08:05

Tgt Ion: 65 Resp: 382179
Ion Ratio Lower Upper
65 100
67 50.6 0.0 106.6

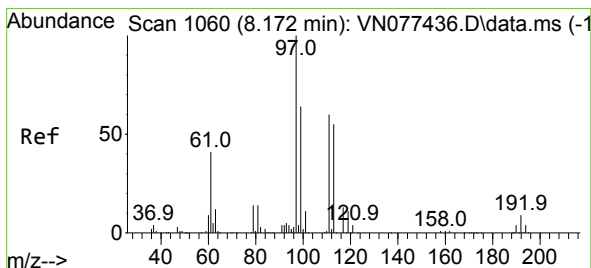
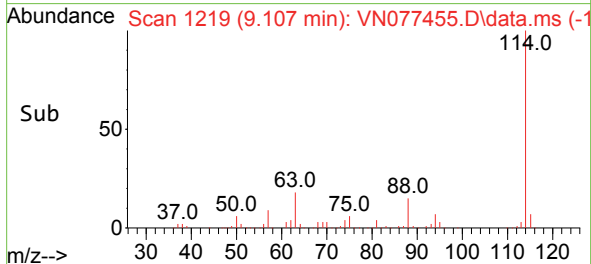
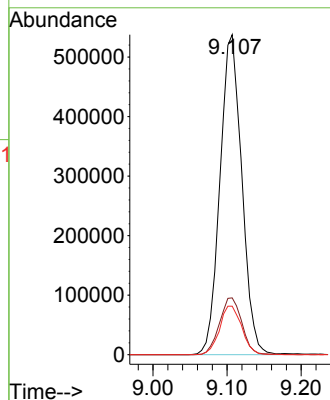
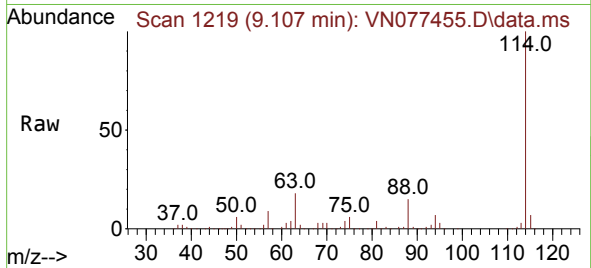




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077455.D
Acq: 25 Apr 2023 08:05

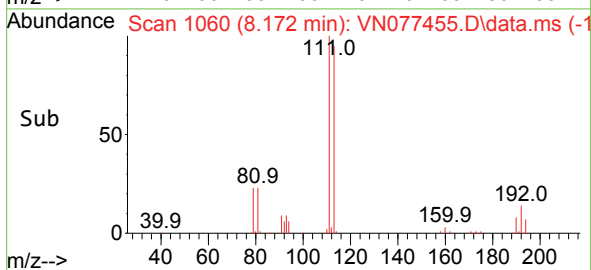
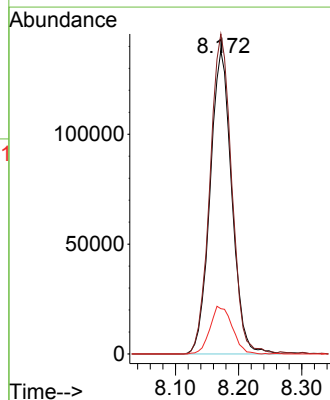
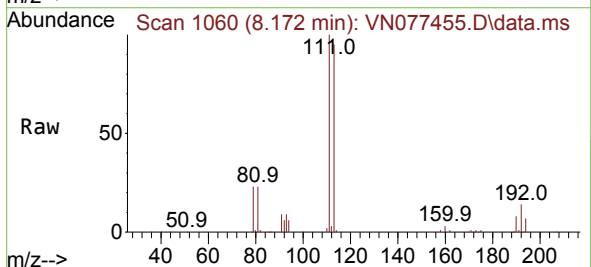
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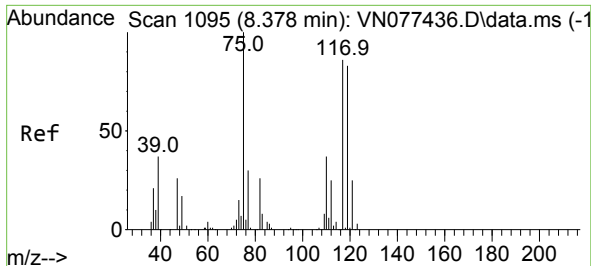
Tgt Ion:114 Resp: 1098677
Ion Ratio Lower Upper
114 100
63 17.8 0.0 36.4
88 15.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.848 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077455.D
Acq: 25 Apr 2023 08:05

Tgt Ion:113 Resp: 329170
Ion Ratio Lower Upper
113 100
111 106.1 82.6 123.8
192 16.1 12.7 19.1

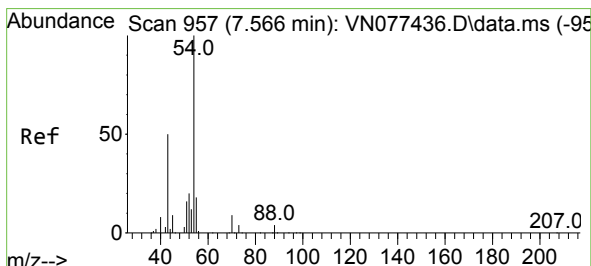
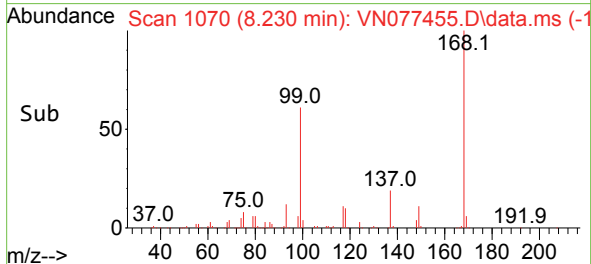
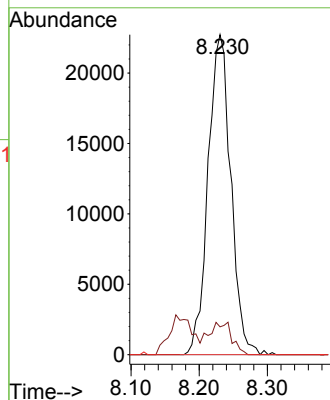
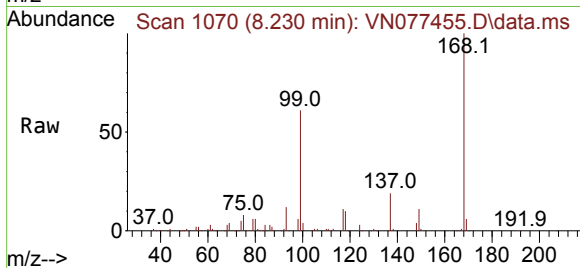




#36
1,1-Dichloropropene
Concen: 5.528 ug/l
RT: 8.230 min Scan# 1095
Delta R.T. -0.147 min
Lab File: VN077455.D
Acq: 25 Apr 2023 08:05

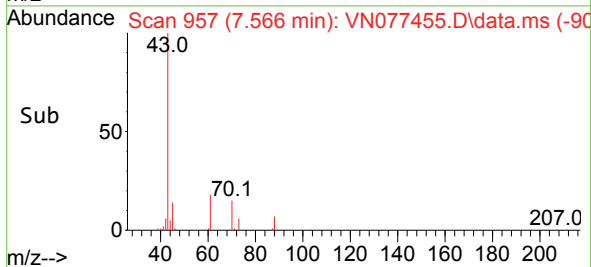
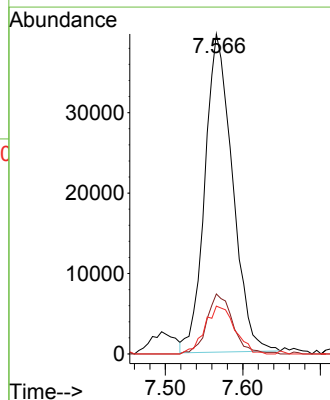
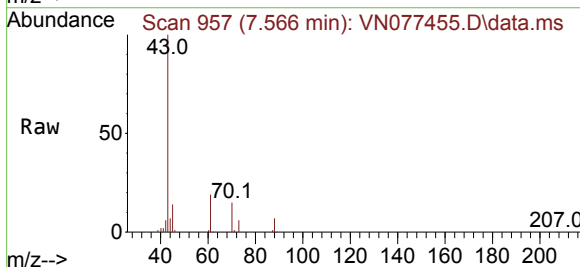
Instrument :
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ClientSampleId :
PB152304ZHE#06

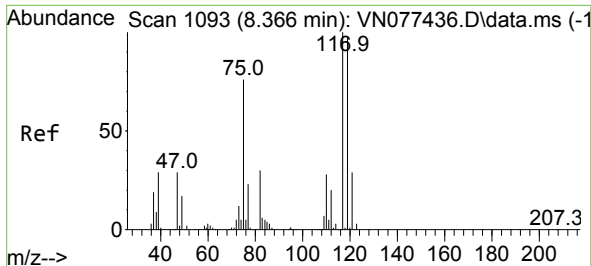
Tgt Ion: 75 Resp: 52735
Ion Ratio Lower Upper
75 100
110 10.3 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 13.512 ug/l
RT: 7.566 min Scan# 957
Delta R.T. -0.000 min
Lab File: VN077455.D
Acq: 25 Apr 2023 08:05

Tgt Ion: 43 Resp: 97958
Ion Ratio Lower Upper
43 100
61 17.8 13.2 19.8
70 16.3 11.3 16.9

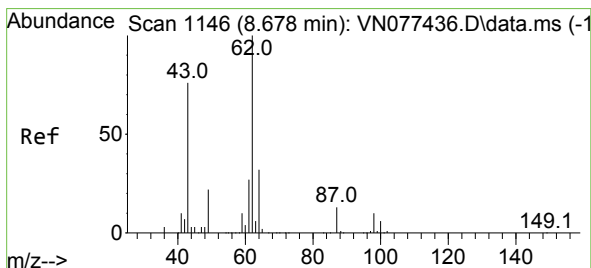
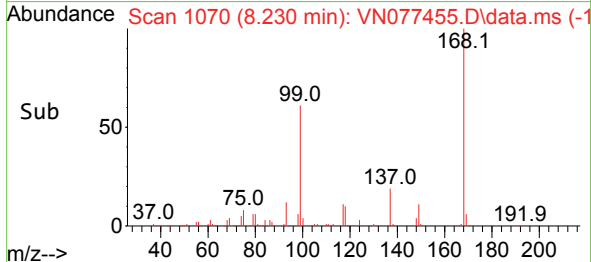
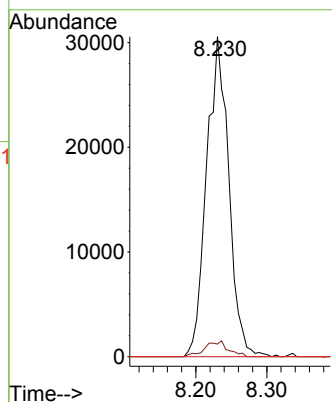
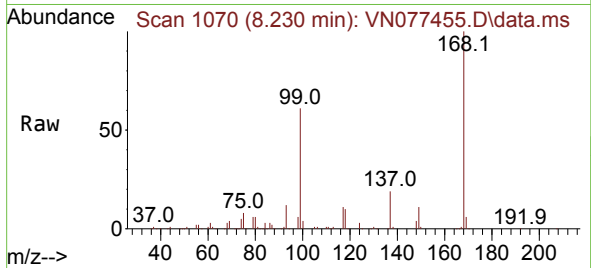




#38
 Carbon Tetrachloride
 Concen: 6.292 ug/l
 RT: 8.230 min Scan# 1093
 Delta R.T. -0.135 min
 Lab File: VN077455.D
 Acq: 25 Apr 2023 08:05

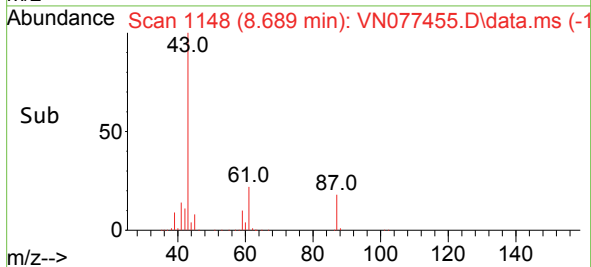
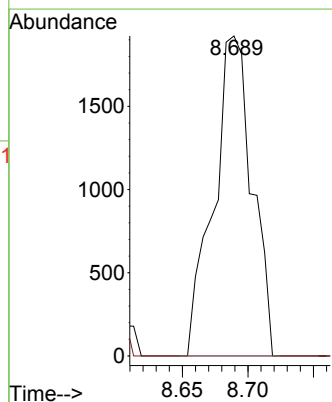
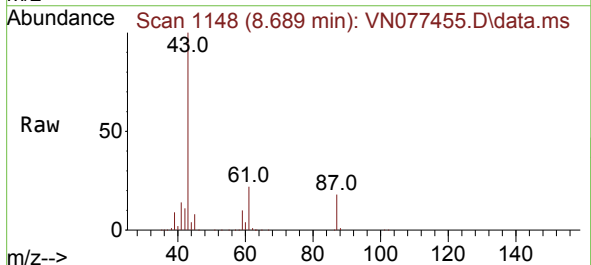
Instrument :
 MSVOA_N
 ClientSampleId :
 PB152304ZHE#06

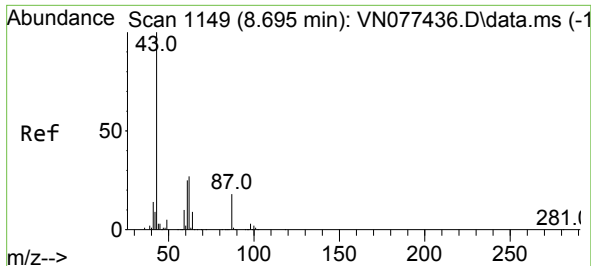
Tgt Ion:117 Resp: 66234
 Ion Ratio Lower Upper
 117 100
 119 3.9 77.3 115.9#
 121 0.0 23.3 34.9#



#42
 1,2-Dichloroethane
 Concen: 0.394 ug/l
 RT: 8.689 min Scan# 1148
 Delta R.T. 0.012 min
 Lab File: VN077455.D
 Acq: 25 Apr 2023 08:05

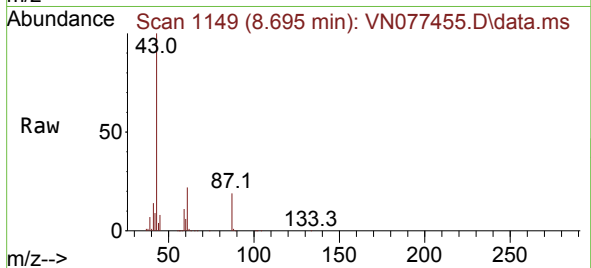
Tgt Ion: 62 Resp: 3930
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 19.8



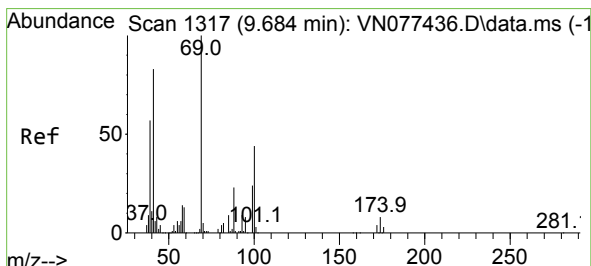
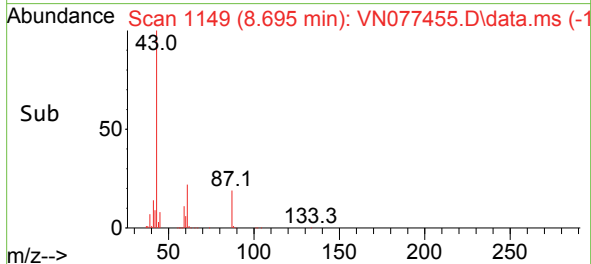
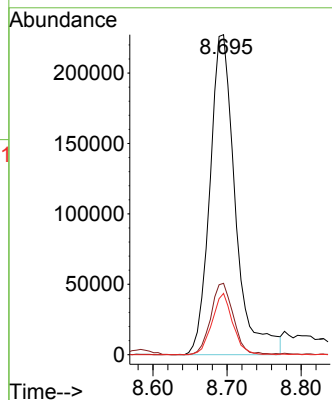


#43
Isopropyl Acetate
Concen: 43.292 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VN077455.D
Acq: 25 Apr 2023 08:05

Instrument :
MSVOA_N
ClientSampleId :
PB152304ZHE#06

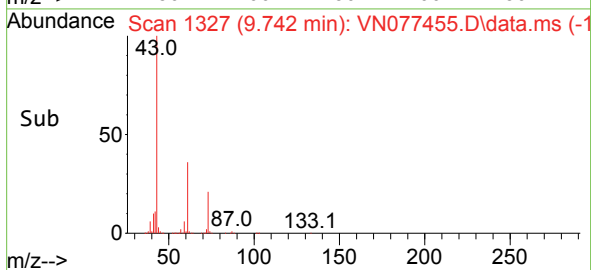
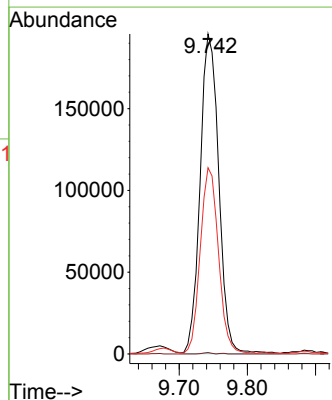
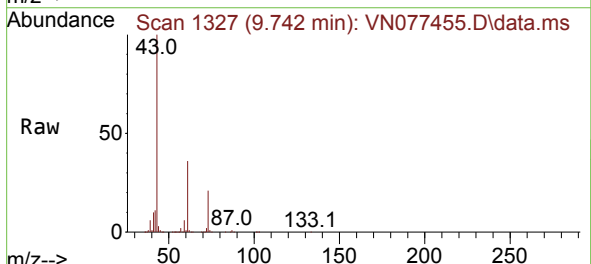


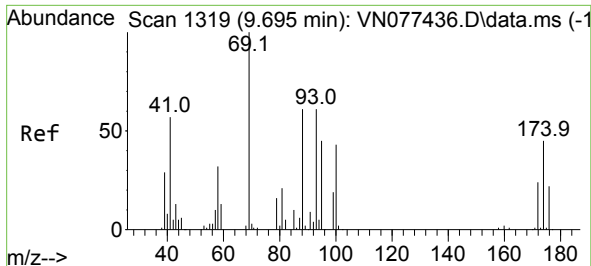
Tgt Ion: 43 Resp: 542950
Ion Ratio Lower Upper
43 100
61 19.7 24.7 37.1#
87 15.6 14.6 21.8



#48
Methyl methacrylate
Concen: 65.183 ug/l
RT: 9.742 min Scan# 1327
Delta R.T. 0.059 min
Lab File: VN077455.D
Acq: 25 Apr 2023 08:05

Tgt Ion: 41 Resp: 372119
Ion Ratio Lower Upper
41 100
69 0.2 90.4 135.6#
39 56.2 54.6 81.8





#49

1,4-Dioxane

Concen: 4.853 ug/l

RT: 9.742 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN077455.D

Acq: 25 Apr 2023 08:05

Instrument :

MSVOA_N

ClientSampleId :

PB152304ZHE#06

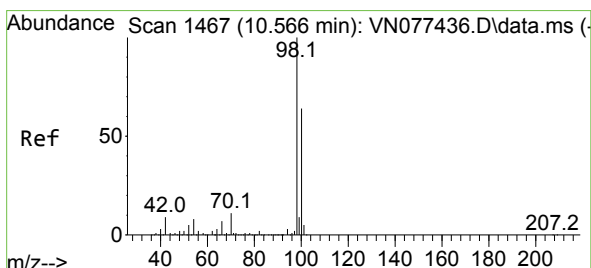
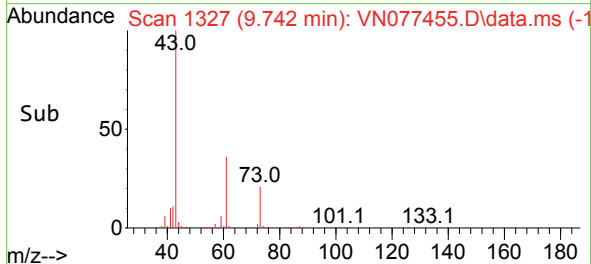
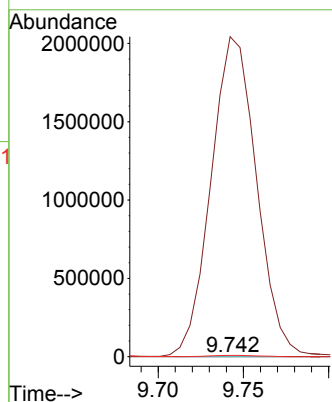
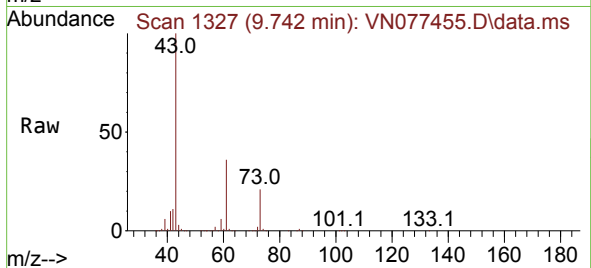
Tgt Ion: 88 Resp: 695

Ion Ratio Lower Upper

88 100

43 549501.4 17.0 25.6#

58 2514.5 47.0 70.4#



#50

Toluene-d8

Concen: 54.143 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VN077455.D

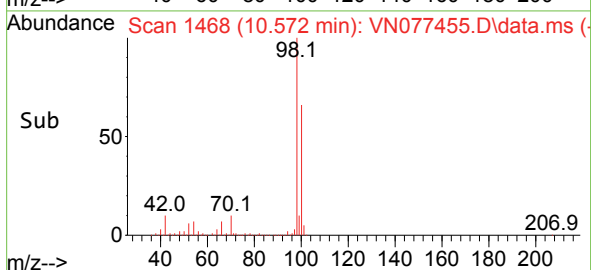
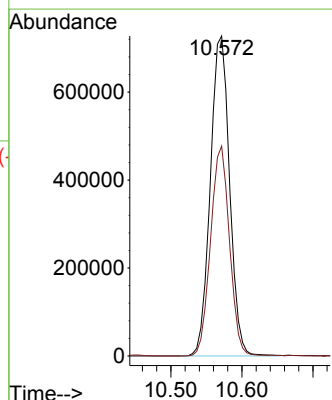
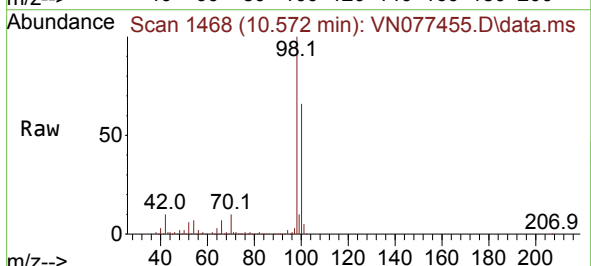
Acq: 25 Apr 2023 08:05

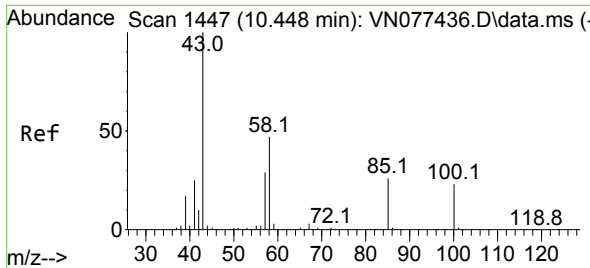
Tgt Ion: 98 Resp: 1370270

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0

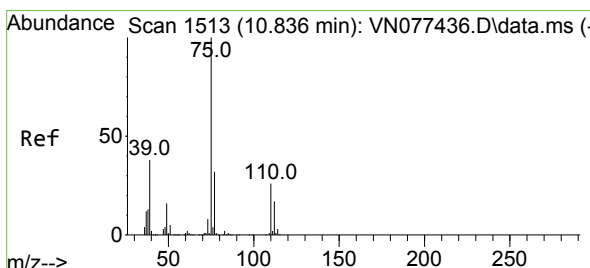
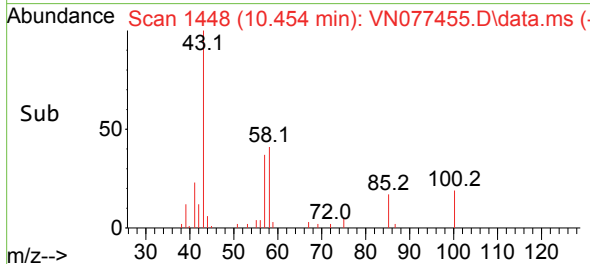
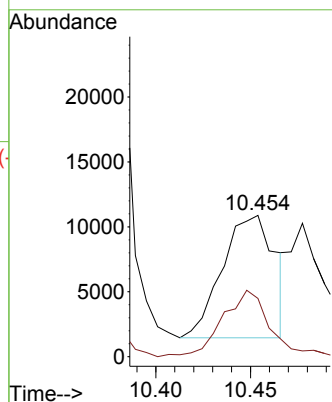
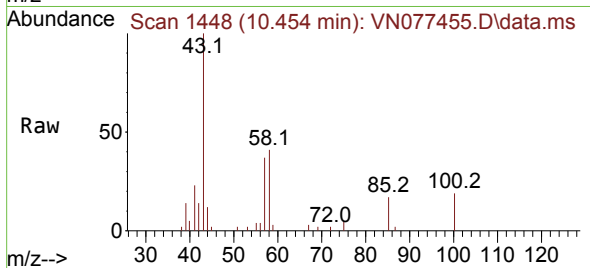




#51
4-Methyl-2-Pentanone
Concen: 2.487 ug/l
RT: 10.454 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN077455.D
Acq: 25 Apr 2023 08:05

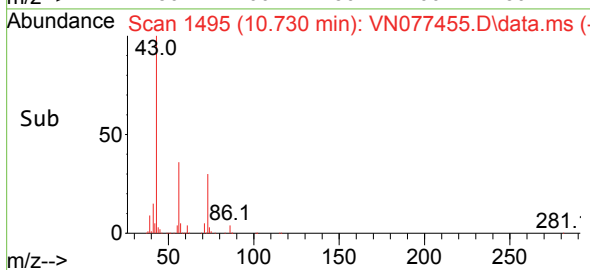
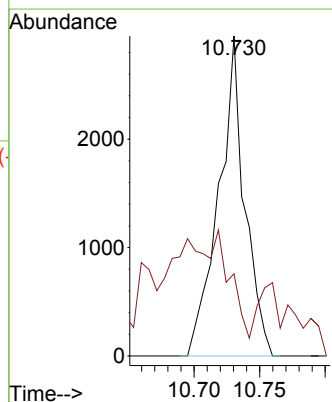
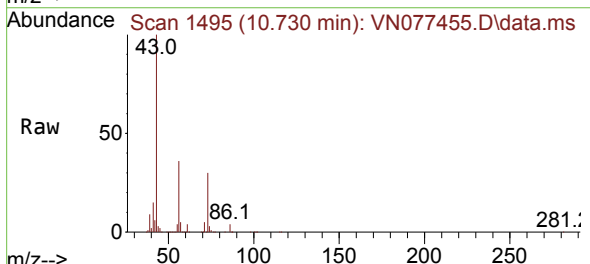
Instrument :
MSVOA_N
ClientSampleId :
PB152304ZHE#06

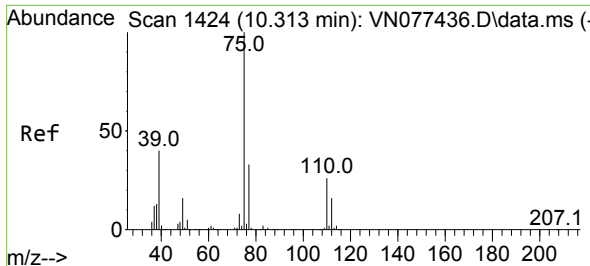
Tgt Ion: 43 Resp: 18295
Ion Ratio Lower Upper
43 100
58 48.6 36.6 54.8



#53
t-1,3-Dichloropropene
Concen: 0.376 ug/l
RT: 10.730 min Scan# 1495
Delta R.T. -0.106 min
Lab File: VN077455.D
Acq: 25 Apr 2023 08:05

Tgt Ion: 75 Resp: 4064
Ion Ratio Lower Upper
75 100
77 17.0 25.4 38.0#

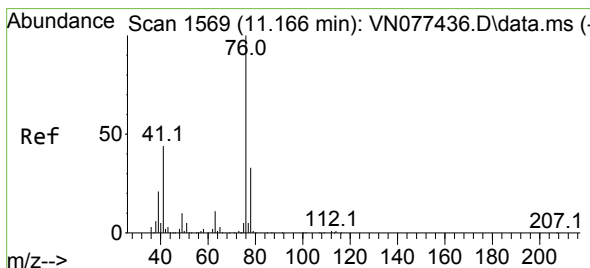
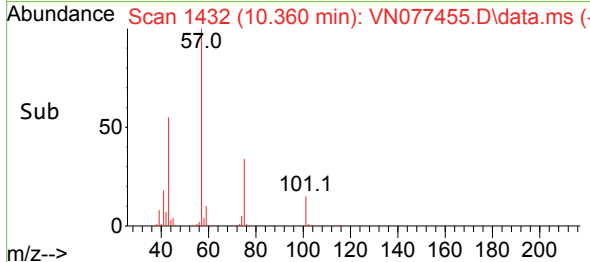
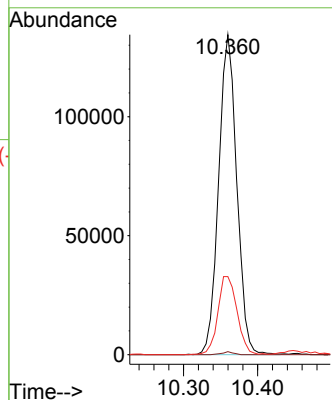
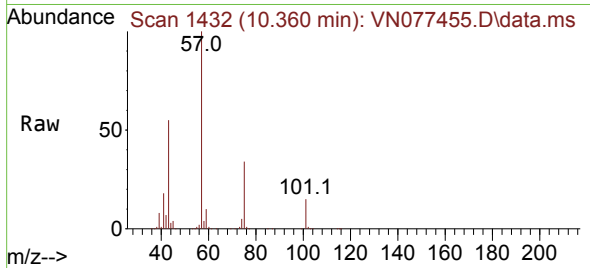




#54
 cis-1,3-Dichloropropene
 Concen: 19.402 ug/l
 RT: 10.360 min Scan# 1424
 Delta R.T. 0.047 min
 Lab File: VN077455.D
 Acq: 25 Apr 2023 08:05

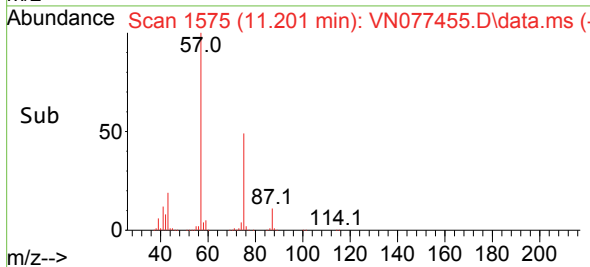
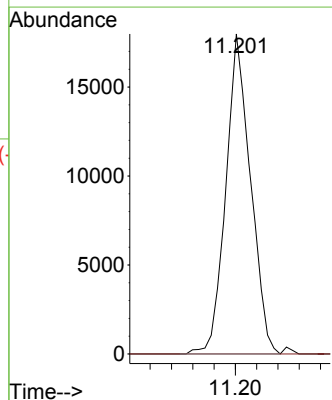
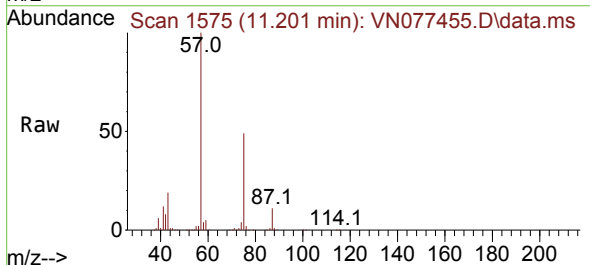
Instrument :
 MSVOA_N
 ClientSampleId :
 PB152304ZHE#06

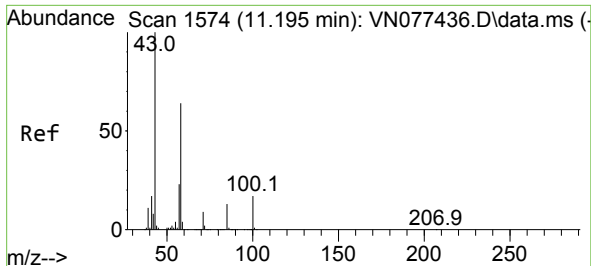
Tgt Ion: 75 Resp: 228497
 Ion Ratio Lower Upper
 75 100
 77 0.9 26.1 39.1#
 39 24.4 31.6 47.4#



#57
 1,3-Dichloropropane
 Concen: 2.372 ug/l
 RT: 11.201 min Scan# 1575
 Delta R.T. 0.035 min
 Lab File: VN077455.D
 Acq: 25 Apr 2023 08:05

Tgt Ion: 76 Resp: 28925
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

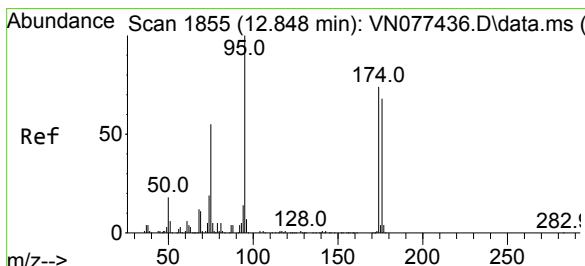
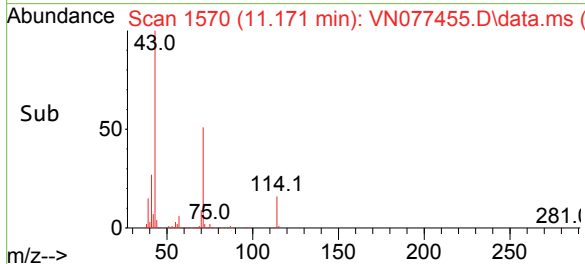
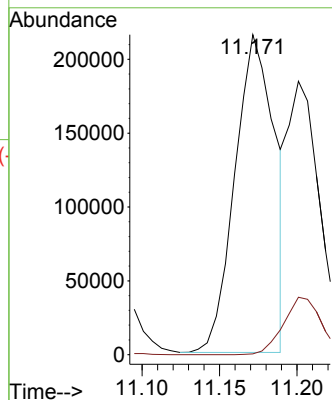
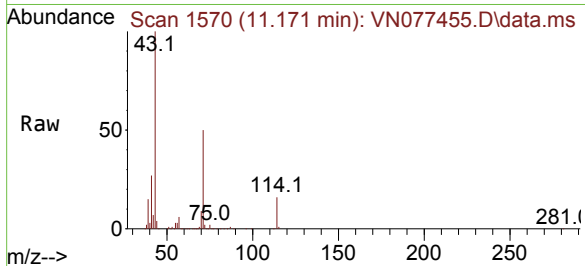




#59
2-Hexanone
Concen: 72.082 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN077455.D
Acq: 25 Apr 2023 08:05

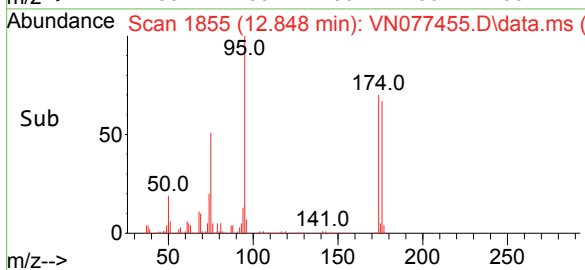
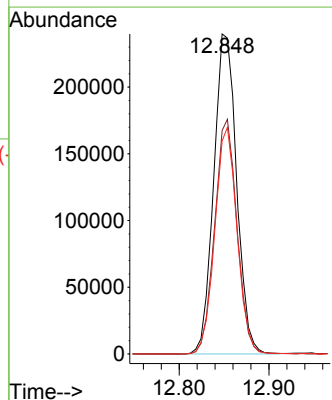
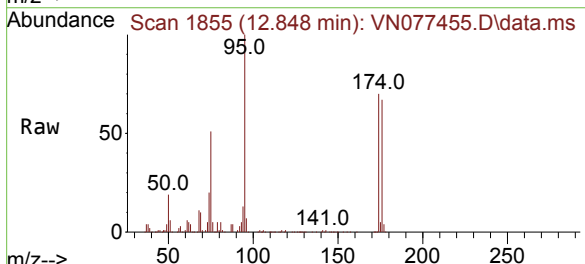
Instrument :
MSVOA_N
ClientSampleId :
PB152304ZHE#06

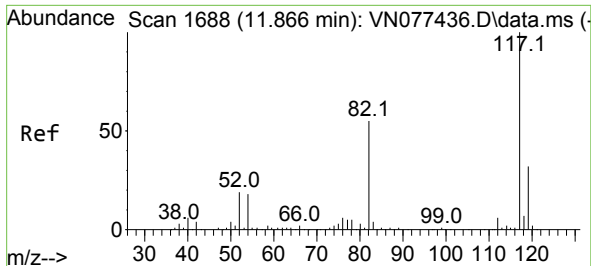
Tgt Ion: 43 Resp: 385431
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 51.316 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN077455.D
Acq: 25 Apr 2023 08:05

Tgt Ion: 95 Resp: 424915
Ion Ratio Lower Upper
95 100
174 71.6 0.0 143.8
176 68.5 0.0 135.8

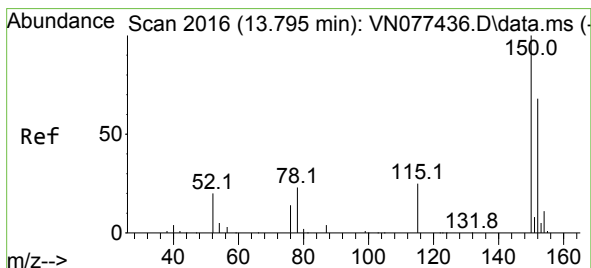
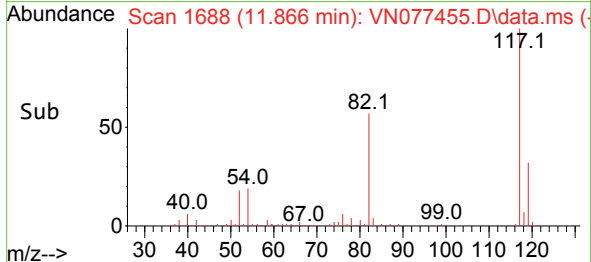
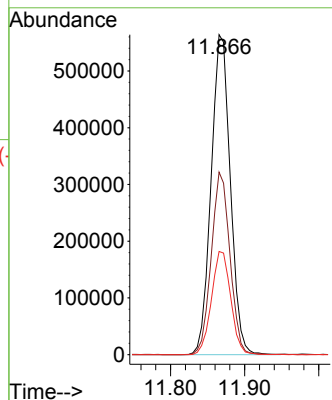
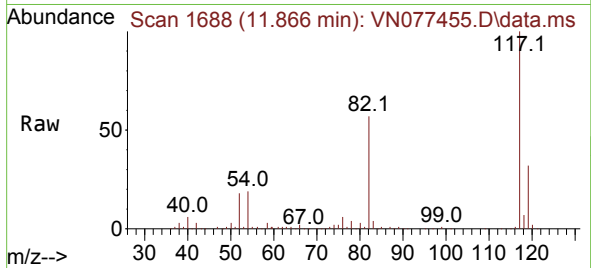




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN077455.D
Acq: 25 Apr 2023 08:05

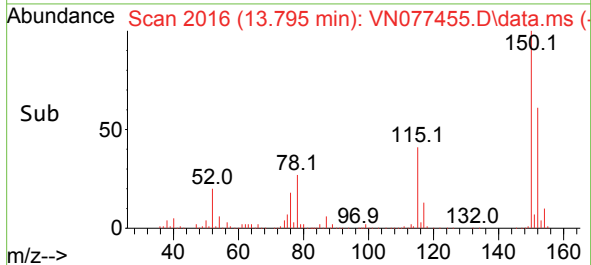
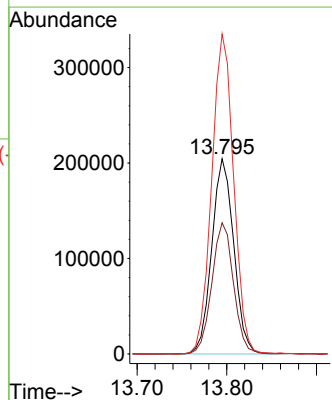
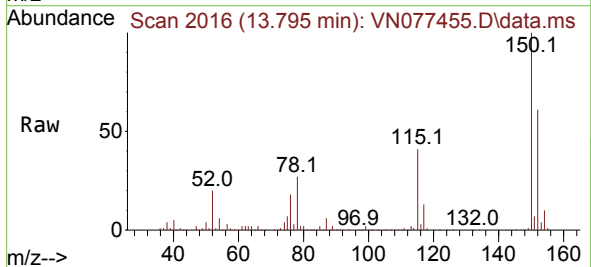
Instrument :
MSVOA_N
ClientSampleId :
PB152304ZHE#06

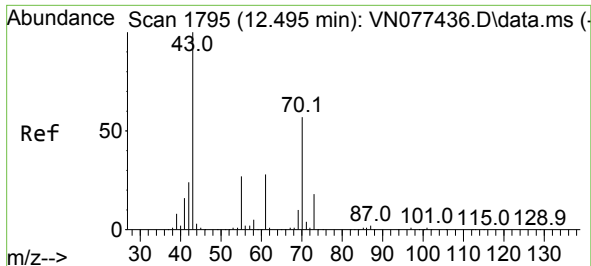
Tgt Ion:117 Resp: 1014799
Ion Ratio Lower Upper
117 100
82 57.1 44.0 66.0
119 32.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077455.D
Acq: 25 Apr 2023 08:05

Tgt Ion:152 Resp: 348212
Ion Ratio Lower Upper
152 100
115 66.2 32.3 96.8
150 163.5 0.0 355.8

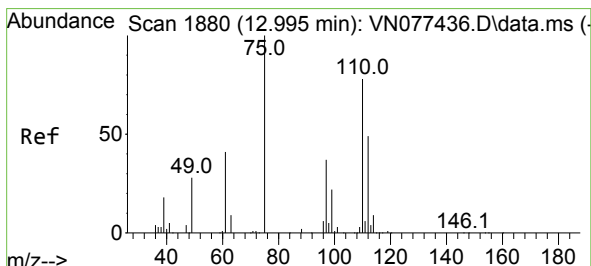
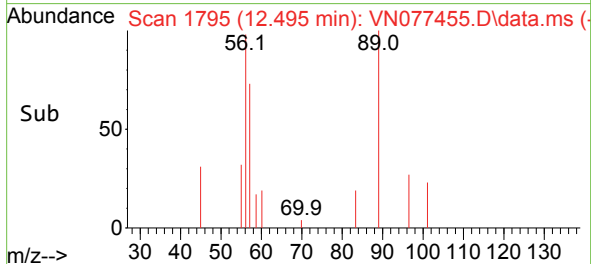
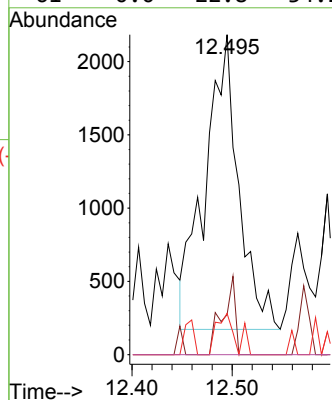
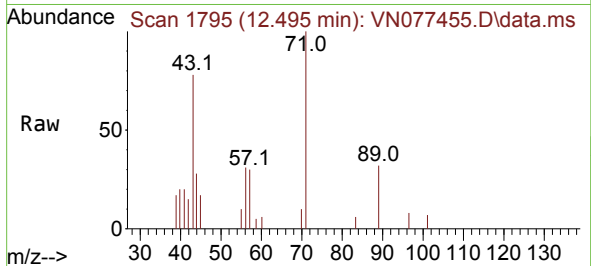




#74
N-amy1 acetate
Concen: 0.492 ug/l
RT: 12.495 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VN077455.D
Acq: 25 Apr 2023 08:05

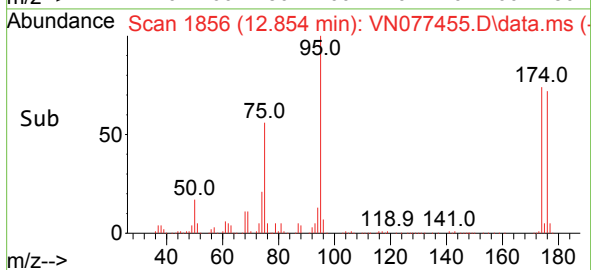
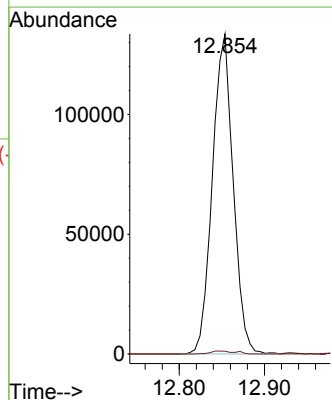
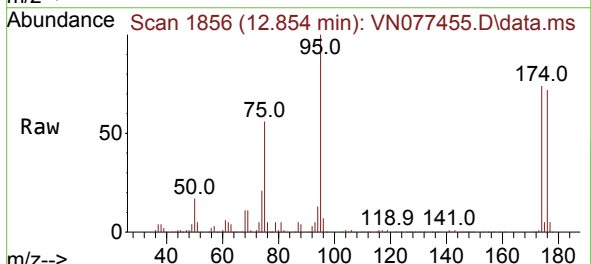
Instrument :
MSVOA_N
ClientSampleId :
PB152304ZHE#06

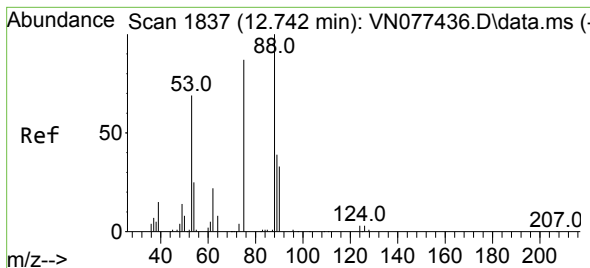
Tgt Ion:	43	Resp:	4702
Ion	Ratio	Lower	Upper
43	100		
70	9.9	43.4	65.2#
55	6.5	21.4	32.0#
61	0.0	22.8	34.2#



#76
1,2,3-Trichloropropane
Concen: 27.998 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077455.D
Acq: 25 Apr 2023 08:05

Tgt Ion:	75	Resp:	226712
Ion	Ratio	Lower	Upper
75	100		
77	1.1	84.5	253.5#

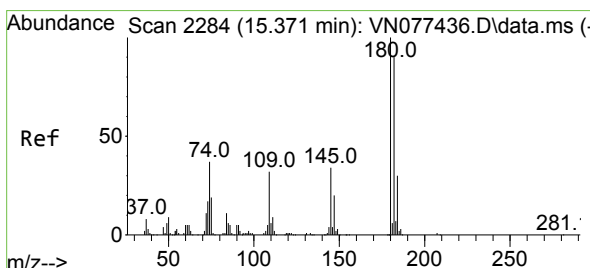
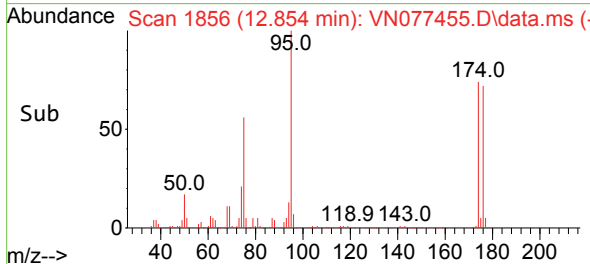
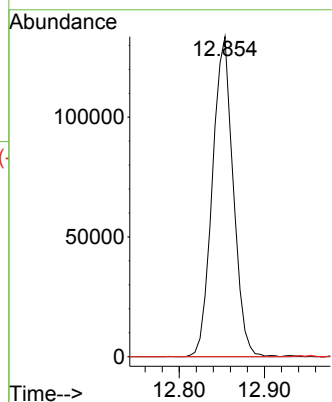
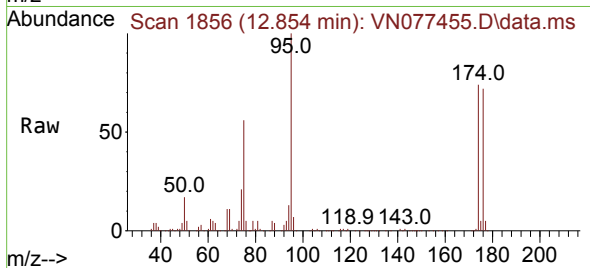




#81
trans-1,4-Dichloro-2-butene
Concen: 79.100 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077455.D
Acq: 25 Apr 2023 08:05

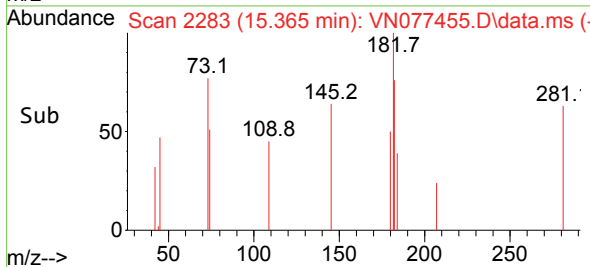
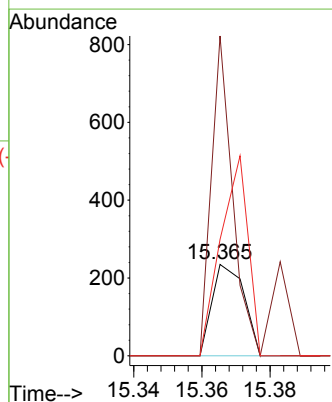
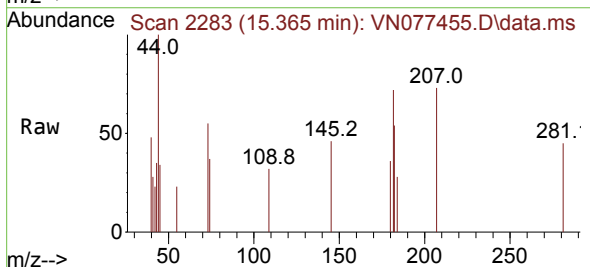
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MSVOA_N
ClientSampleId :
PB152304ZHE#06

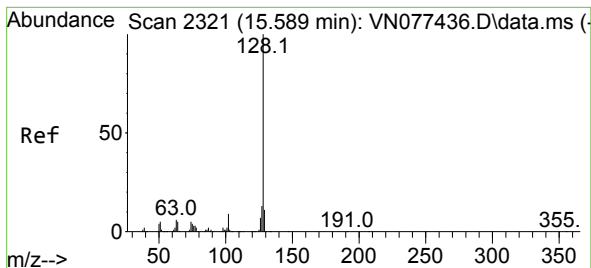
Tgt Ion: 75 Resp: 226712
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.858 ug/l
RT: 15.365 min Scan# 2283
Delta R.T. -0.006 min
Lab File: VN077455.D
Acq: 25 Apr 2023 08:05

Tgt Ion:180 Resp: 153
Ion Ratio Lower Upper
180 100
182 231.4 46.1 138.2#
145 187.6 16.6 49.8#





#95

Naphthalene

Concen: 1.323 ug/l

RT: 15.583 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN077455.D

Acq: 25 Apr 2023 08:05

Instrument :

MSVOA_N

ClientSampleId :

PB152304ZHE#06

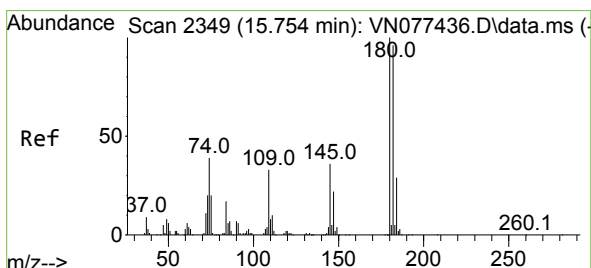
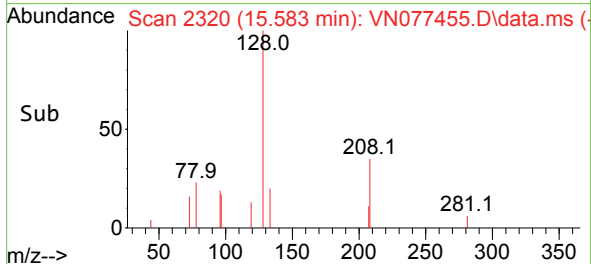
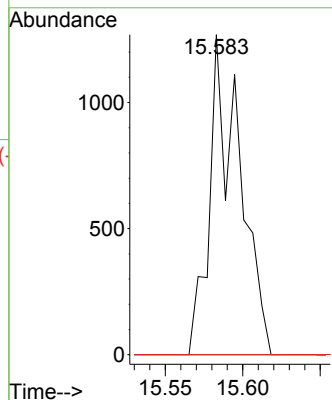
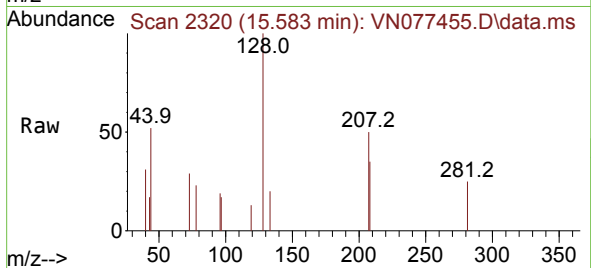
Tgt Ion:128 Resp: 1700

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

129 0.0 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.497 ug/l

RT: 15.742 min Scan# 2347

Delta R.T. -0.012 min

Lab File: VN077455.D

Acq: 25 Apr 2023 08:05

Tgt Ion:180 Resp: 56

Ion Ratio Lower Upper

180 100

182 178.6 46.2 138.6#

145 0.0 17.5 52.6#

