

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032723\
 Data File : VN077214.D
 Acq On : 27 Mar 2023 20:40
 Operator : JC\MD
 Sample : PB151668ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB151668ZHE#05

Quant Time: Mar 28 07:44:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032523W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 27 02:47:06 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

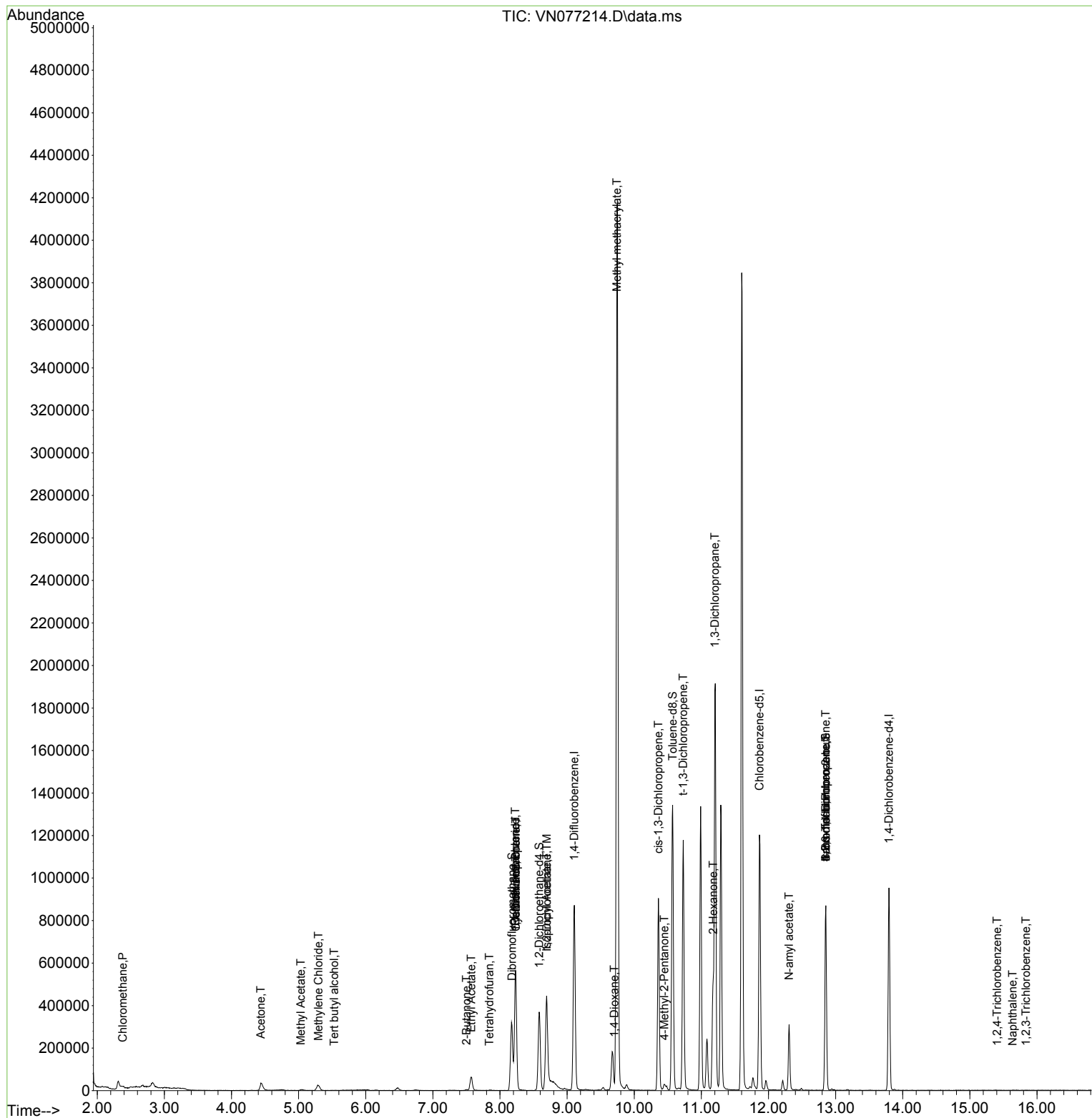
Internal Standards						
1) Pentafluorobenzene	8.231	168	388259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	714675	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	659185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	244332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	304099	50.094	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.180%			
35) Dibromofluoromethane	8.178	113	226423	46.691	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.380%			
50) Toluene-d8	10.572	98	905954	49.857	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.720%			
62) 4-Bromofluorobenzene	12.854	95	274486	46.027	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.060%			
Target Compounds						Qvalue
3) Chloromethane	2.378	50	1400	0.246	ug/l	100
11) Tert butyl alcohol	5.531	59	381	0.461	ug/l #	72
16) Acetone	4.437	43	69626	30.846	ug/l	88
18) Methyl Acetate	5.031	43	4594	0.509	ug/l #	52
20) Methylene Chloride	5.295	84	19648	3.909	ug/l #	84
25) 2-Butanone	7.501	43	6115	1.733	ug/l #	71
29) Tetrahydrofuran	7.842	42	900	0.385	ug/l #	66
31) Cyclohexane	8.236	56	11263	1.336	ug/l #	34
36) 1,1-Dichloropropene	8.236	75	36419	5.396	ug/l #	46
37) Ethyl Acetate	7.572	43	102336	13.603	ug/l #	88
38) Carbon Tetrachloride	8.231	117	40589	5.931	ug/l #	19
42) 1,2-Dichloroethane	8.695	62	2958	0.379	ug/l #	71
43) Isopropyl Acetate	8.695	43	556183	45.826	ug/l #	72
48) Methyl methacrylate	9.742	41	398572	68.194	ug/l #	28
49) 1,4-Dioxane	9.701	88	59	0.592	ug/l #	30
51) 4-Methyl-2-Pentanone	10.448	43	33200	4.348	ug/l #	63
53) t-1,3-Dichloropropene	10.730	75	3150	0.434	ug/l #	53
54) cis-1,3-Dichloropropene	10.360	75	141471	17.815	ug/l #	63
57) 1,3-Dichloropropane	11.201	76	20355	2.306	ug/l #	42
59) 2-Hexanone	11.177	43	398841	72.673	ug/l #	17
71) Bromoform	12.854	173	2774	0.772	ug/l #	1
74) N-amyl acetate	12.307	43	104899	12.522	ug/l #	41
76) 1,2,3-Trichloropropane	12.854	75	155643	31.402	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	155643	90.505	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.407	180	108	4.401	ug/l #	74
95) Naphthalene	15.636	128	618	5.957	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.836	180	57	4.662	ug/l #	12

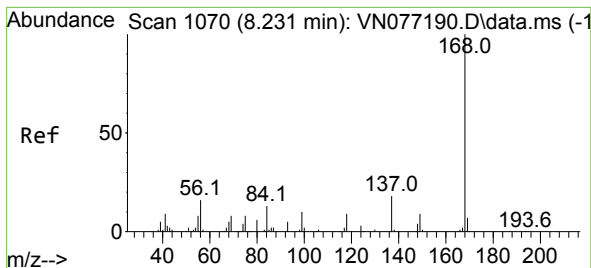
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032723\
Data File : VN077214.D
Acq On : 27 Mar 2023 20:40
Operator : JC\MD
Sample : PB151668ZHE#05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB151668ZHE#05

Quant Time: Mar 28 07:44:22 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032523W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 27 02:47:06 2023
Response via : Initial Calibration

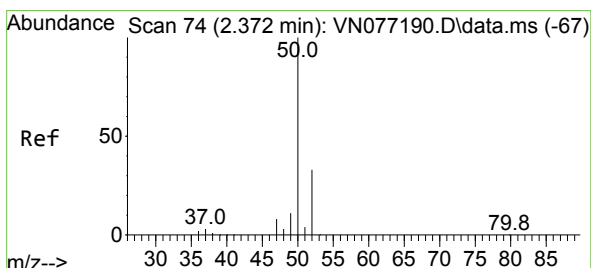
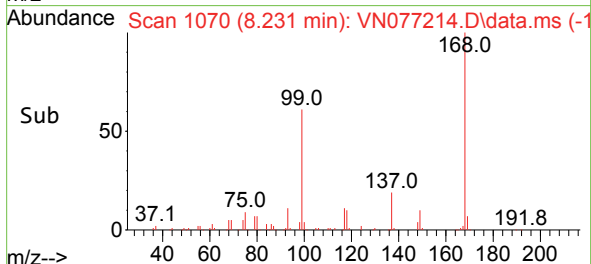
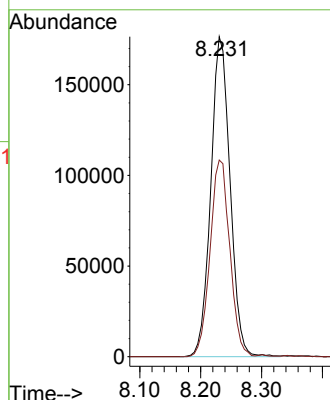
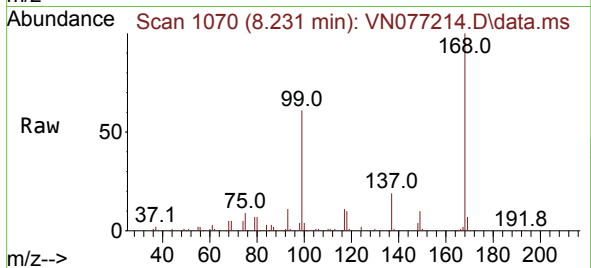




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077214.D
Acq: 27 Mar 2023 20:40

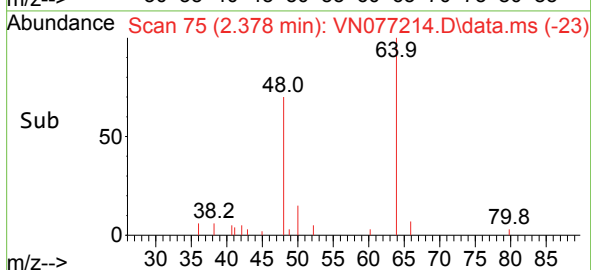
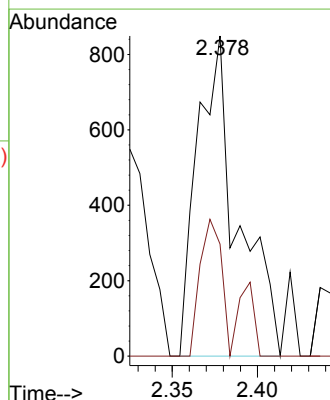
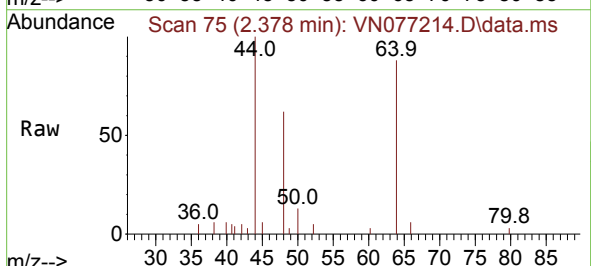
Instrument :
MSVOA_N
ClientSampleId :
PB151668ZHE#05

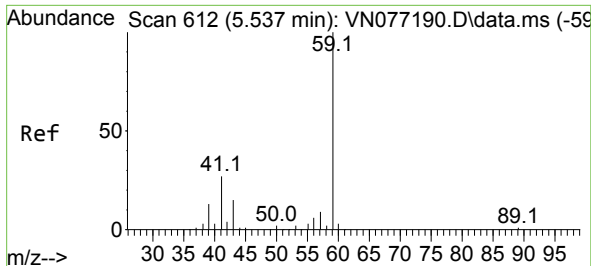
Tgt Ion:168 Resp: 388259
Ion Ratio Lower Upper
168 100
99 61.5 48.6 73.0



#3
Chloromethane
Concen: 0.246 ug/l
RT: 2.378 min Scan# 75
Delta R.T. 0.006 min
Lab File: VN077214.D
Acq: 27 Mar 2023 20:40

Tgt Ion: 50 Resp: 1400
Ion Ratio Lower Upper
50 100
52 35.0 27.9 41.9

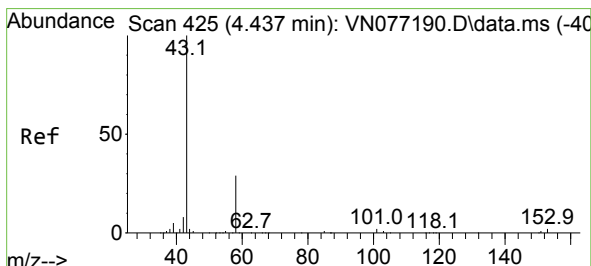
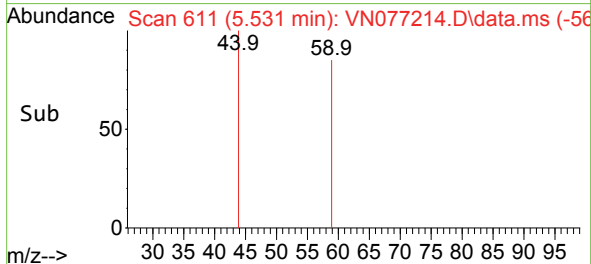
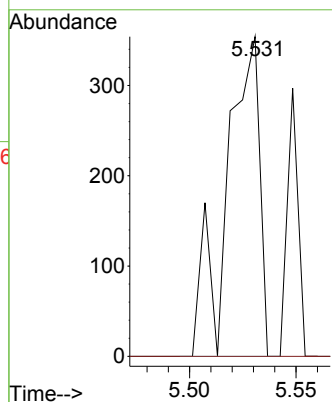
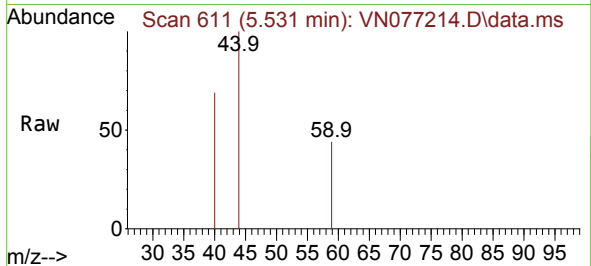




#11
Tert butyl alcohol
Concen: 0.461 ug/l
RT: 5.531 min Scan# 611
Delta R.T. -0.006 min
Lab File: VN077214.D
Acq: 27 Mar 2023 20:40

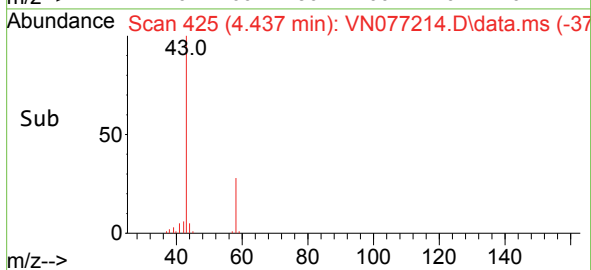
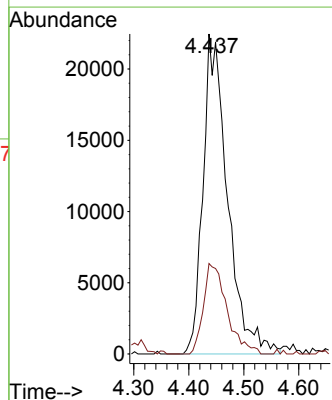
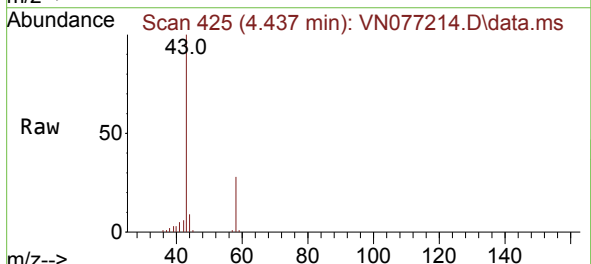
Instrument :
MSVOA_N
ClientSampleId :
PB151668ZHE#05

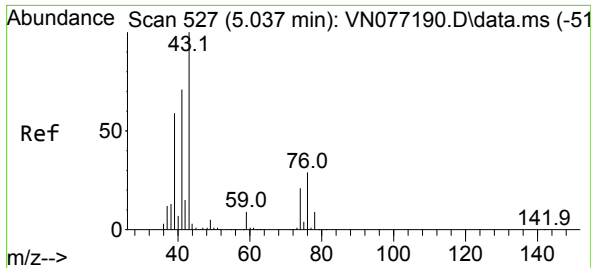
Tgt Ion: 59 Resp: 381
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 30.846 ug/l
RT: 4.437 min Scan# 425
Delta R.T. -0.000 min
Lab File: VN077214.D
Acq: 27 Mar 2023 20:40

Tgt Ion: 43 Resp: 69626
Ion Ratio Lower Upper
43 100
58 28.2 28.2 42.2

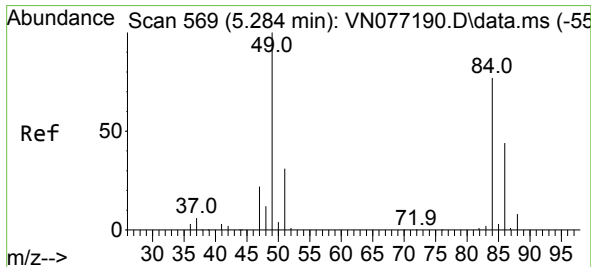
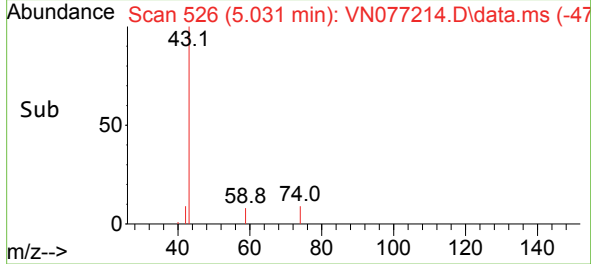
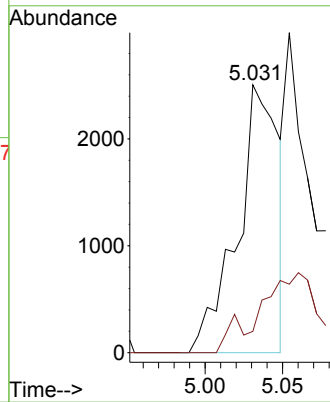
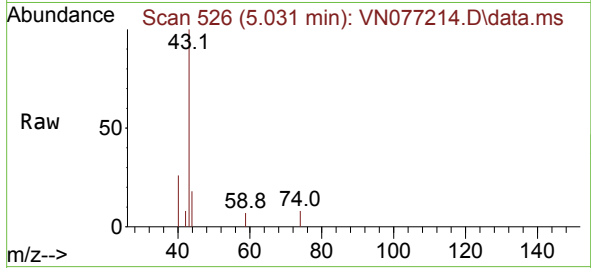




#18
Methyl Acetate
Concen: 0.509 ug/l
RT: 5.031 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN077214.D
Acq: 27 Mar 2023 20:40

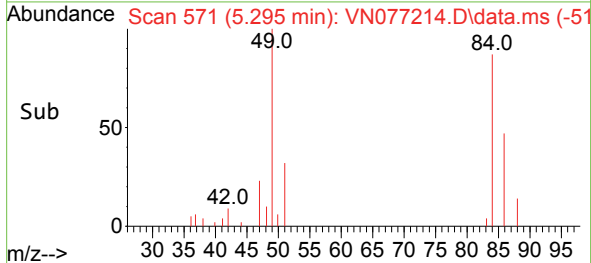
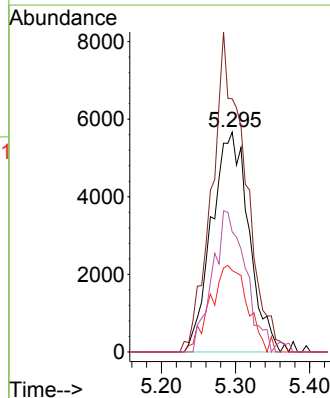
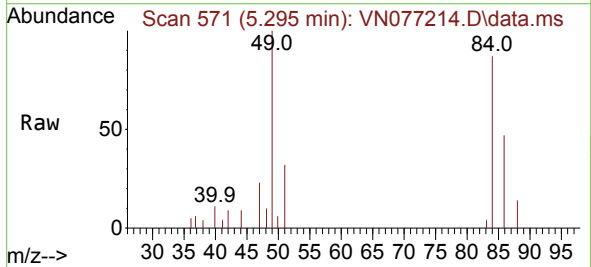
Instrument :
MSVOA_N
ClientSampleId :
PB151668ZHE#05

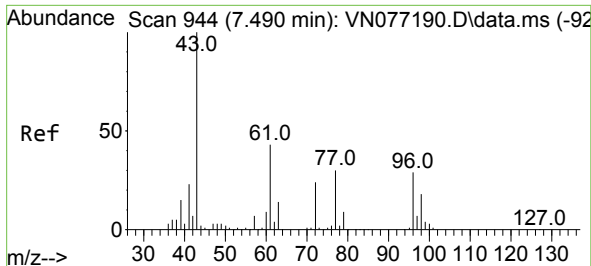
Tgt Ion: 43 Resp: 4594
Ion Ratio Lower Upper
43 100
74 5.3 25.9 38.9#



#20
Methylene Chloride
Concen: 3.909 ug/l
RT: 5.295 min Scan# 571
Delta R.T. 0.011 min
Lab File: VN077214.D
Acq: 27 Mar 2023 20:40

Tgt Ion: 84 Resp: 19648
Ion Ratio Lower Upper
84 100
49 115.2 76.6 114.8#
51 37.1 25.4 38.2
86 54.6 51.1 76.7

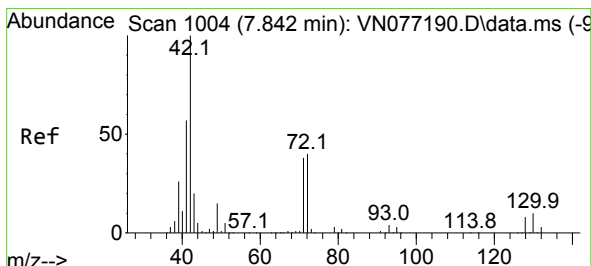
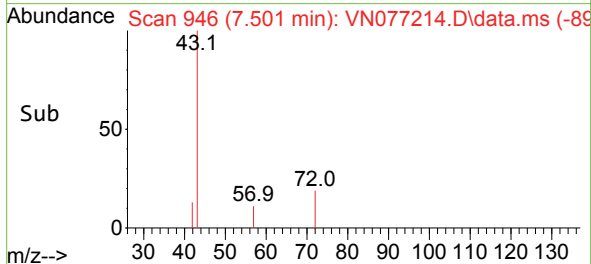
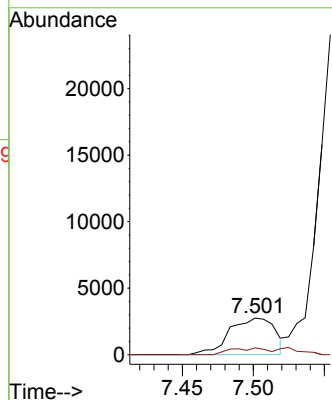
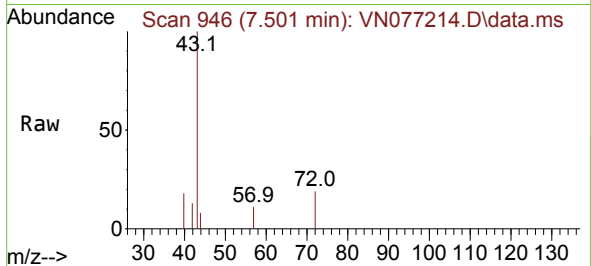




#25
2-Butanone
Concen: 1.733 ug/l
RT: 7.501 min Scan# 944
Delta R.T. 0.011 min
Lab File: VN077214.D
Acq: 27 Mar 2023 20:40

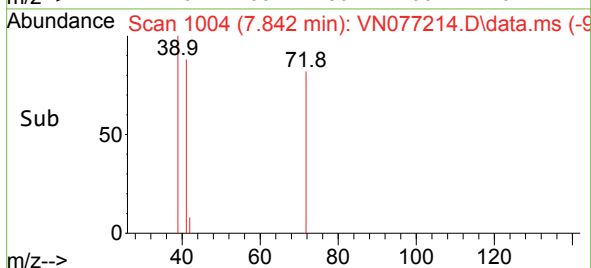
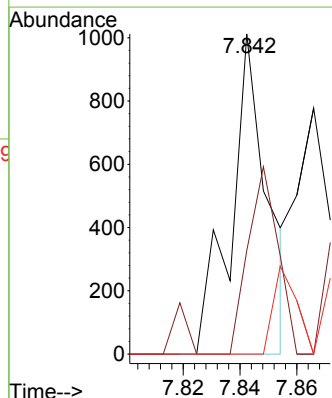
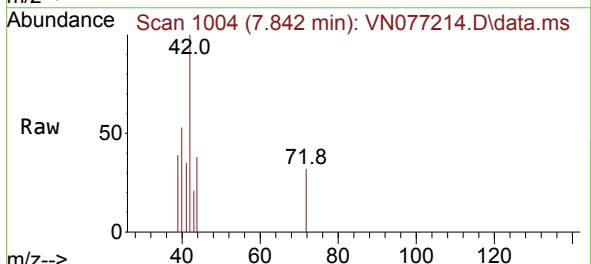
Instrument :
MSVOA_N
ClientSampleId :
PB151668ZHE#05

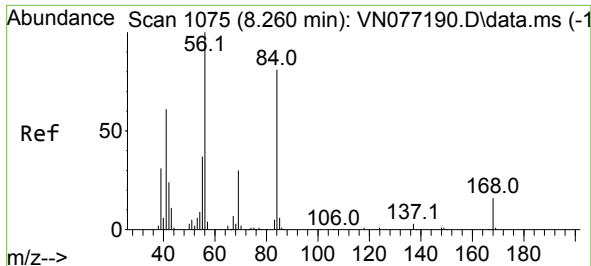
Tgt Ion: 43 Resp: 6115
Ion Ratio Lower Upper
43 100
72 18.7 28.8 43.2#



#29
Tetrahydrofuran
Concen: 0.385 ug/l
RT: 7.842 min Scan# 1004
Delta R.T. 0.000 min
Lab File: VN077214.D
Acq: 27 Mar 2023 20:40

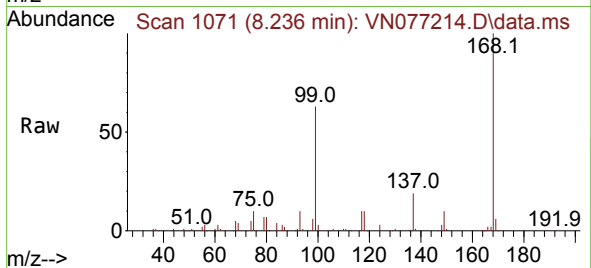
Tgt Ion: 42 Resp: 900
Ion Ratio Lower Upper
42 100
72 48.2 48.6 73.0#
71 17.6 45.1 67.7#



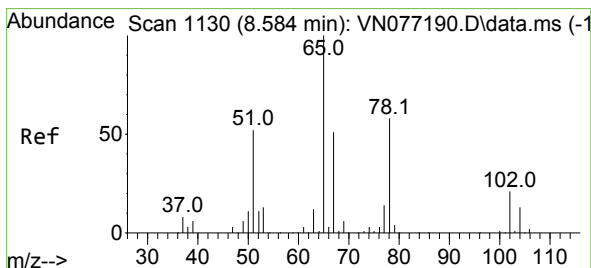
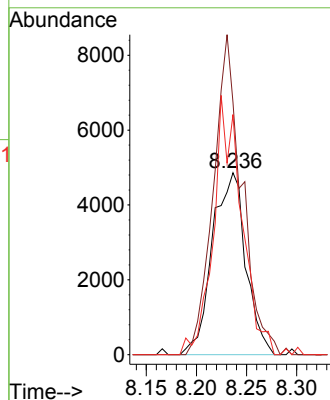
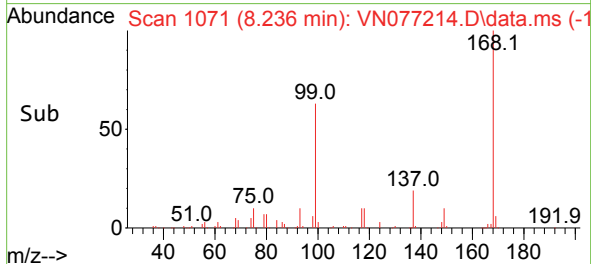


#31
Cyclohexane
Concen: 1.336 ug/l
RT: 8.236 min Scan# 1075
Delta R.T. -0.024 min
Lab File: VN077214.D
Acq: 27 Mar 2023 20:40

Instrument :
MSVOA_N
ClientSampleId :
PB151668ZHE#05

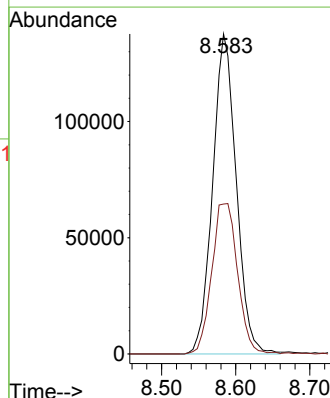
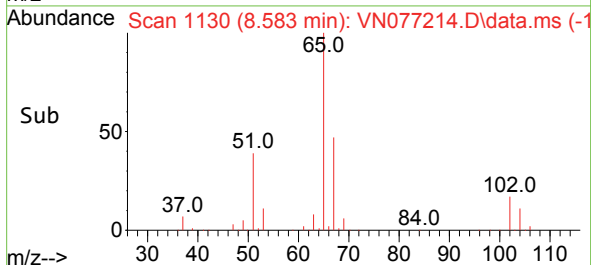
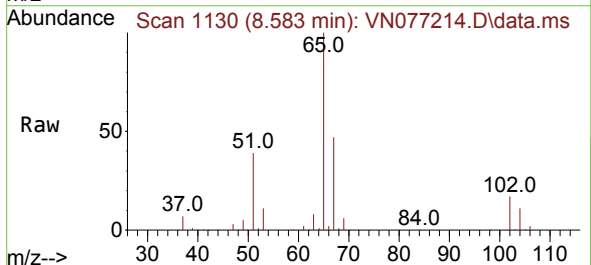


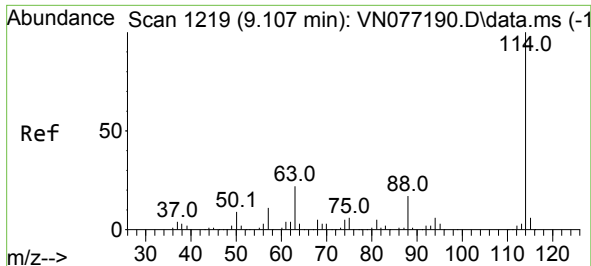
Tgt Ion: 56 Resp: 11263
Ion Ratio Lower Upper
56 100
69 138.6 27.0 40.6#
84 132.0 82.9 124.3#



#33
1,2-Dichloroethane-d4
Concen: 50.094 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.001 min
Lab File: VN077214.D
Acq: 27 Mar 2023 20:40

Tgt Ion: 65 Resp: 304099
Ion Ratio Lower Upper
65 100
67 51.6 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077214.D

Acq: 27 Mar 2023 20:40

Instrument :

MSVOA_N

ClientSampleId :

PB151668ZHE#05

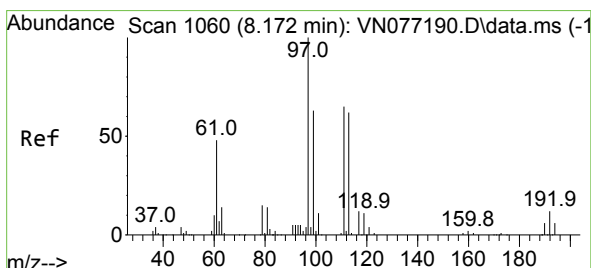
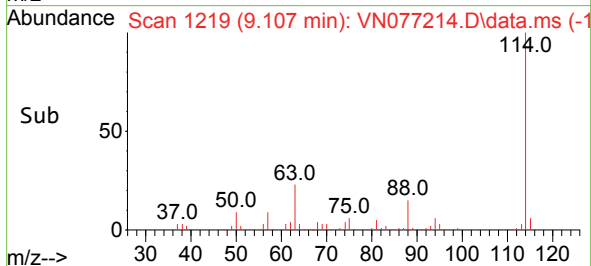
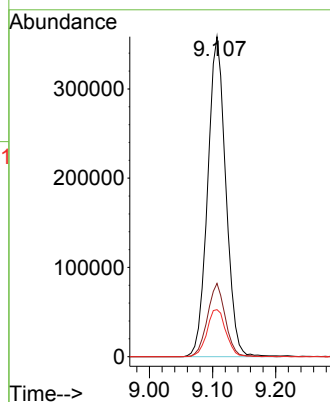
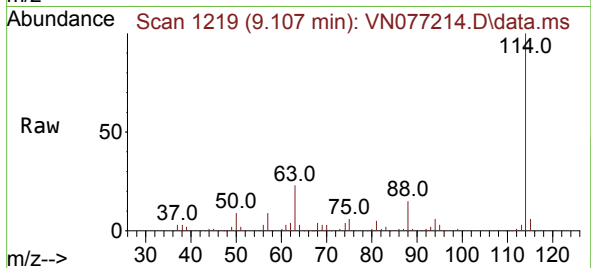
Tgt Ion:114 Resp: 714675

Ion Ratio Lower Upper

114 100

63 22.9 0.0 36.6

88 14.7 0.0 28.6



#35

Dibromofluoromethane

Concen: 46.691 ug/l

RT: 8.178 min Scan# 1061

Delta R.T. 0.006 min

Lab File: VN077214.D

Acq: 27 Mar 2023 20:40

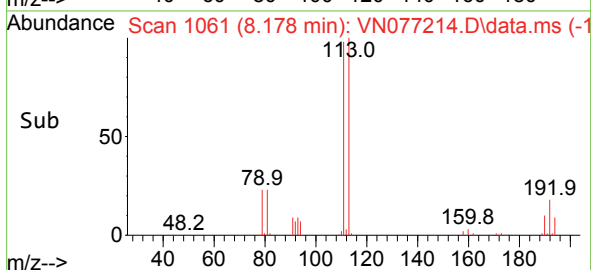
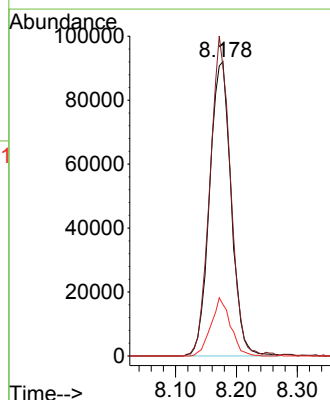
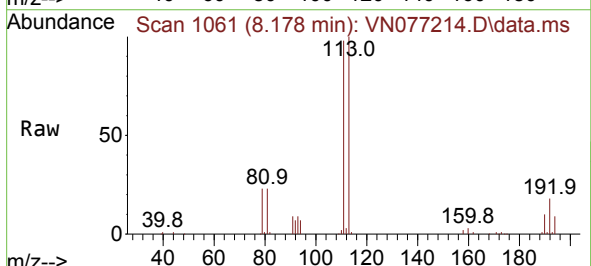
Tgt Ion:113 Resp: 226423

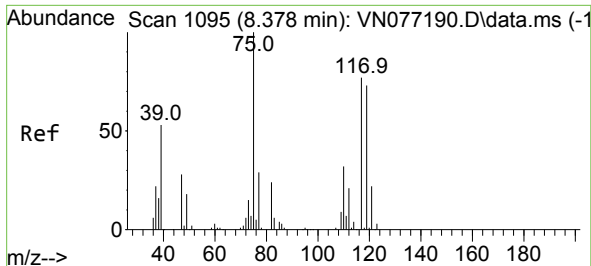
Ion Ratio Lower Upper

113 100

111 103.5 81.8 122.8

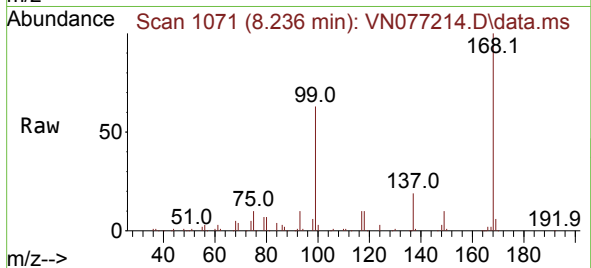
192 17.9 13.9 20.9



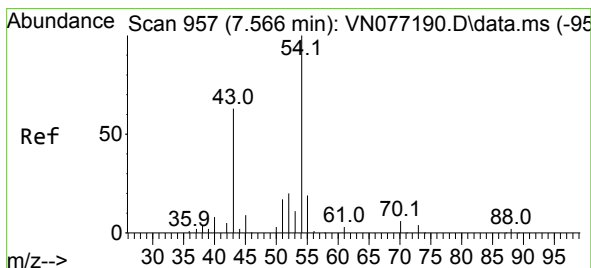
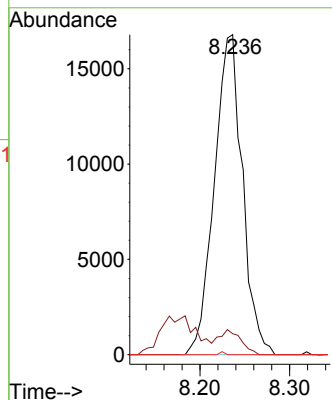
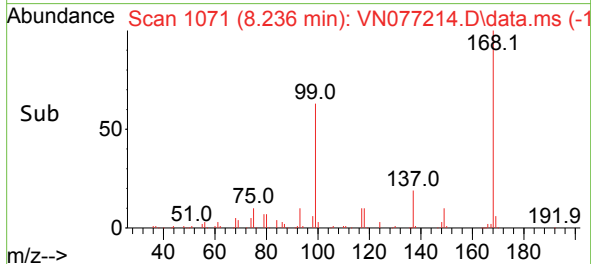


#36
1,1-Dichloropropene
Concen: 5.396 ug/l
RT: 8.236 min Scan# 1095
Delta R.T. -0.142 min
Lab File: VN077214.D
Acq: 27 Mar 2023 20:40

Instrument :
MSVOA_N
ClientSampleId :
PB151668ZHE#05

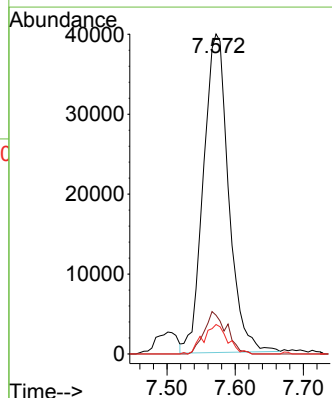
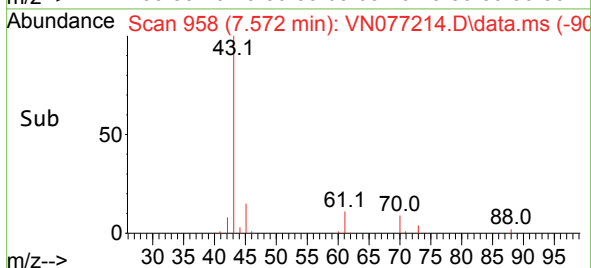
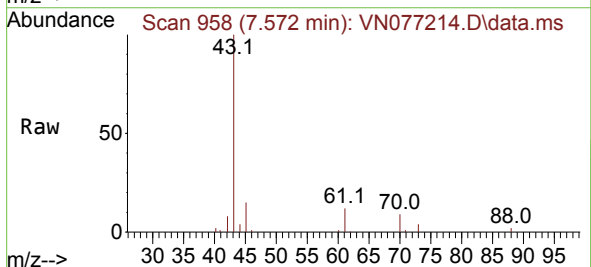


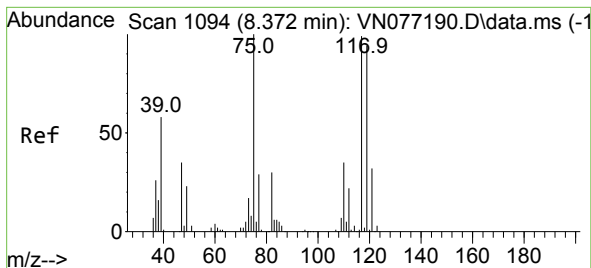
Tgt Ion: 75 Resp: 36419
Ion Ratio Lower Upper
75 100
110 6.2 18.9 56.9#
77 0.2 24.9 37.3#



#37
Ethyl Acetate
Concen: 13.603 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.006 min
Lab File: VN077214.D
Acq: 27 Mar 2023 20:40

Tgt Ion: 43 Resp: 102336
Ion Ratio Lower Upper
43 100
61 11.9 13.5 20.3#
70 9.0 11.0 16.6#





#38

Carbon Tetrachloride

Concen: 5.931 ug/l

RT: 8.231 min Scan# 1107

Delta R.T. -0.141 min

Lab File: VN077214.D

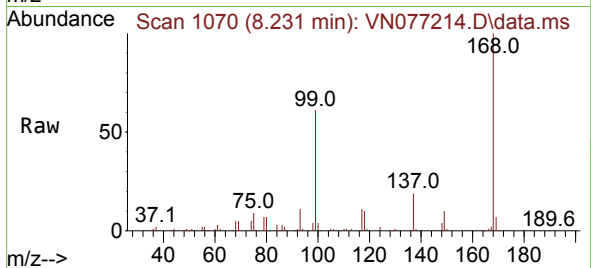
Acq: 27 Mar 2023 20:40

Instrument :

MSVOA_N

ClientSampleId :

PB151668ZHE#05



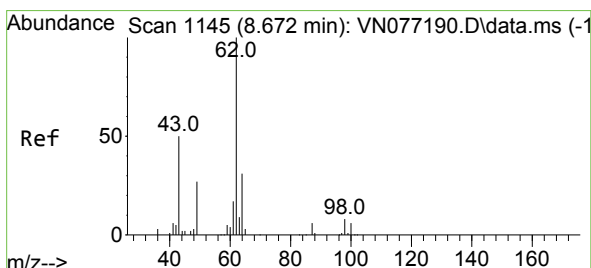
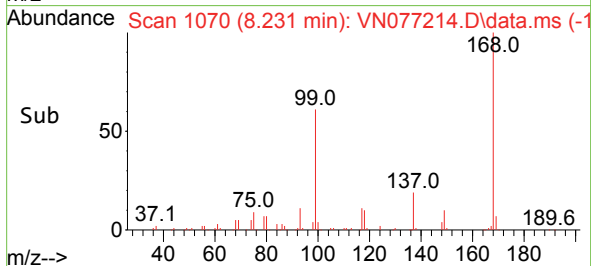
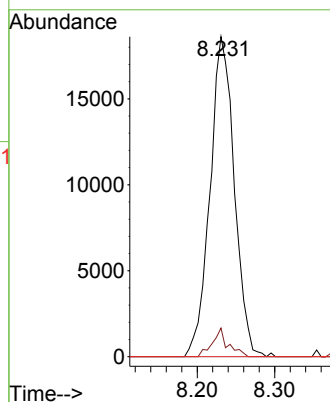
Tgt Ion:117 Resp: 40589

Ion Ratio Lower Upper

117 100

119 8.9 76.9 115.3#

121 0.0 23.2 34.8#



#42

1,2-Dichloroethane

Concen: 0.379 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.023 min

Lab File: VN077214.D

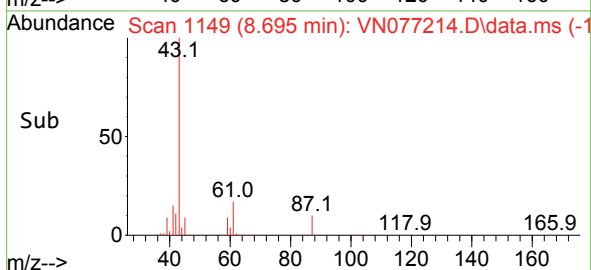
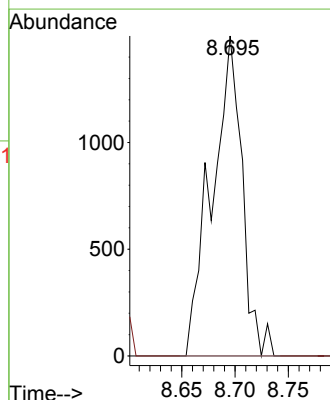
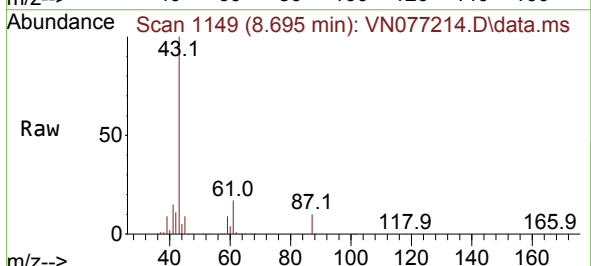
Acq: 27 Mar 2023 20:40

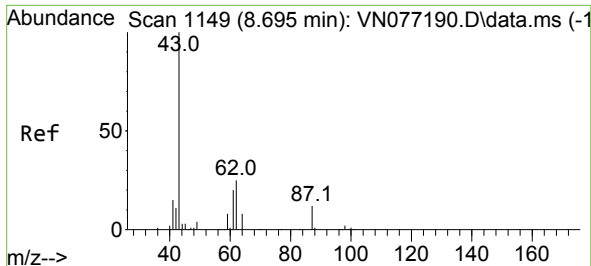
Tgt Ion: 62 Resp: 2958

Ion Ratio Lower Upper

62 100

98 0.0 0.0 21.8

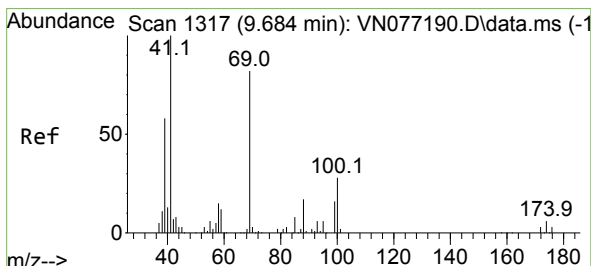
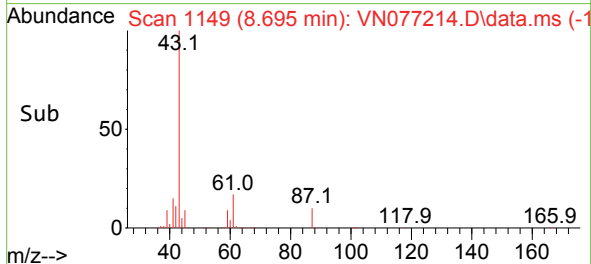
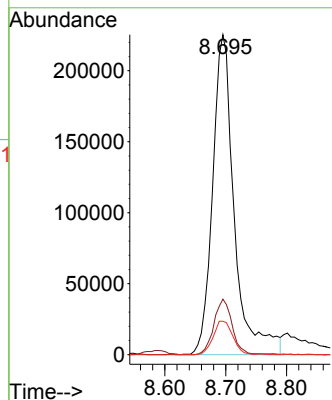
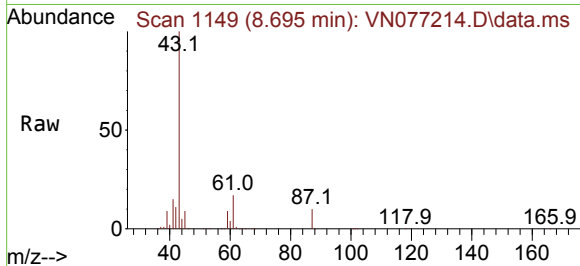




#43
Isopropyl Acetate
Concen: 45.826 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077214.D
Acq: 27 Mar 2023 20:40

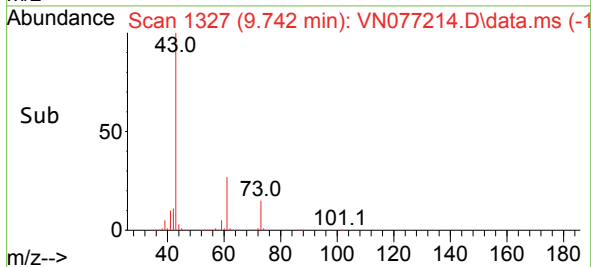
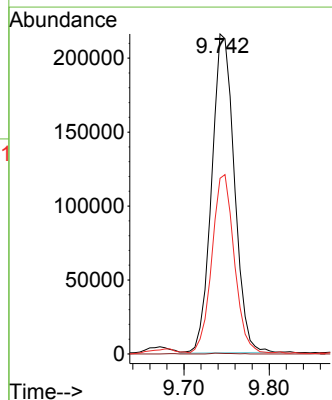
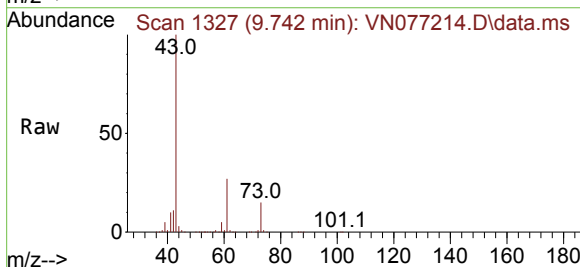
Instrument :
MSVOA_N
ClientSampleId :
PB151668ZHE#05

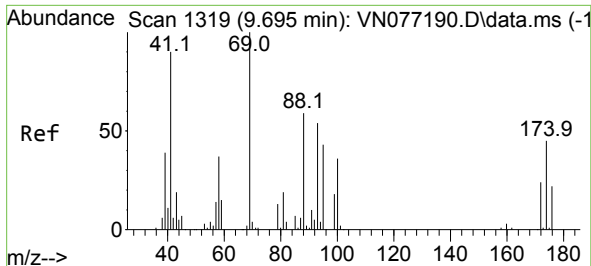
Tgt Ion: 43 Resp: 556183
Ion Ratio Lower Upper
43 100
61 14.7 26.2 39.2#
87 9.5 14.8 22.2#



#48
Methyl methacrylate
Concen: 68.194 ug/l
RT: 9.742 min Scan# 1327
Delta R.T. 0.058 min
Lab File: VN077214.D
Acq: 27 Mar 2023 20:40

Tgt Ion: 41 Resp: 398572
Ion Ratio Lower Upper
41 100
69 0.2 92.6 139.0#
39 55.2 51.4 77.0





#49

1,4-Dioxane

Concen: 0.592 ug/l

RT: 9.701 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN077214.D

Acq: 27 Mar 2023 20:40

Instrument :

MSVOA_N

ClientSampleId :

PB151668ZHE#05

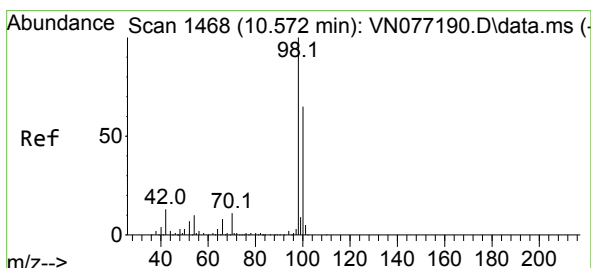
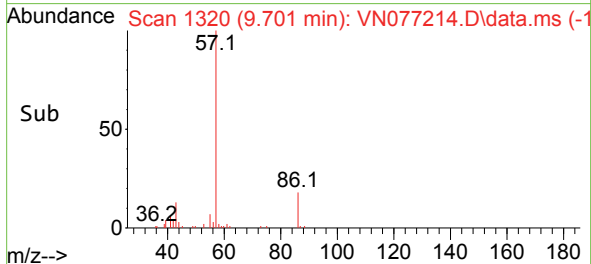
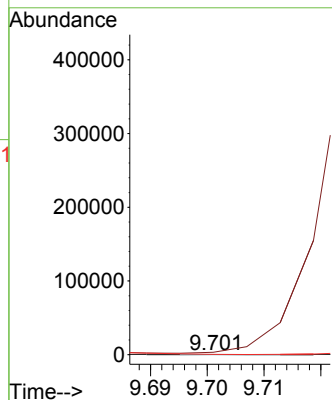
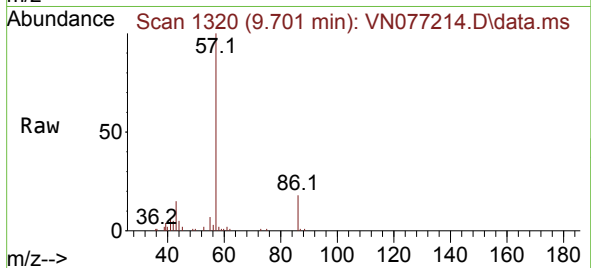
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 0.0 15.3 22.9#

58 0.0 47.6 71.4#



#50

Toluene-d8

Concen: 49.857 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VN077214.D

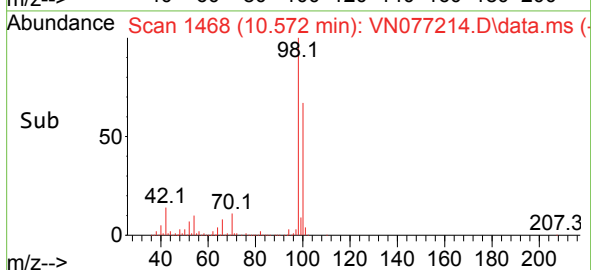
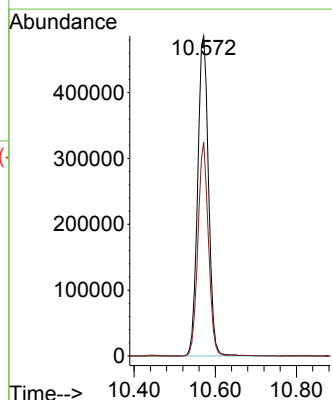
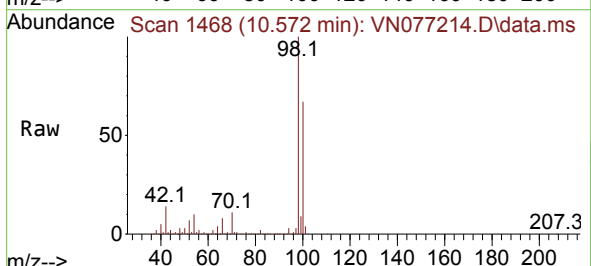
Acq: 27 Mar 2023 20:40

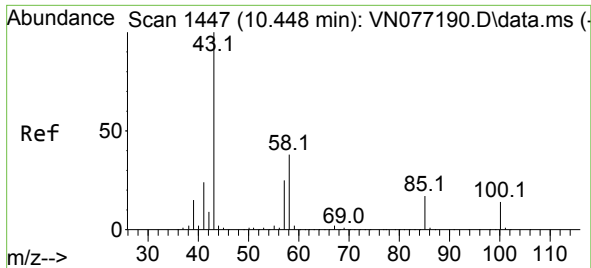
Tgt Ion: 98 Resp: 905954

Ion Ratio Lower Upper

98 100

100 65.0 52.8 79.2

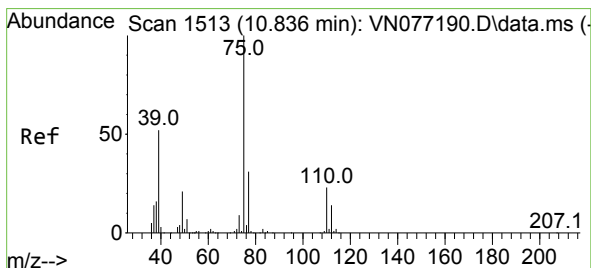
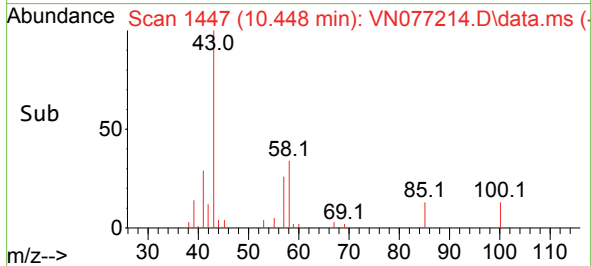
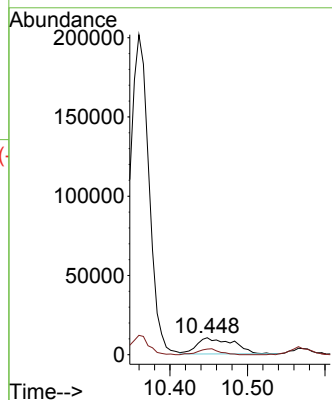
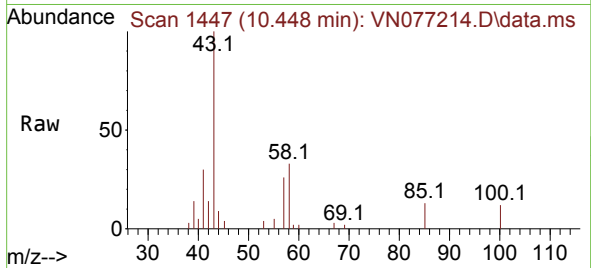




#51
4-Methyl-2-Pentanone
Concen: 4.348 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077214.D
Acq: 27 Mar 2023 20:40

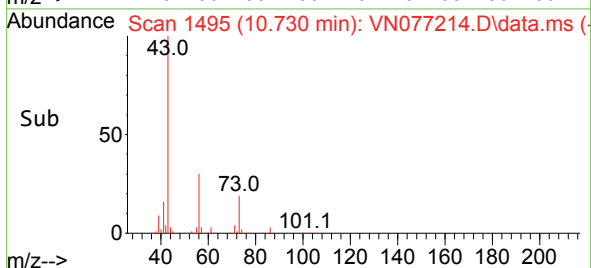
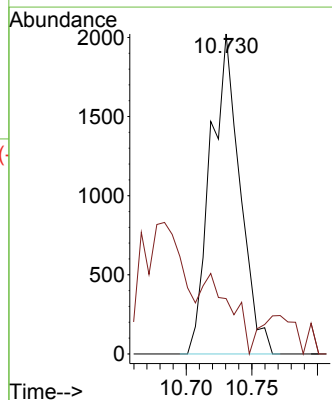
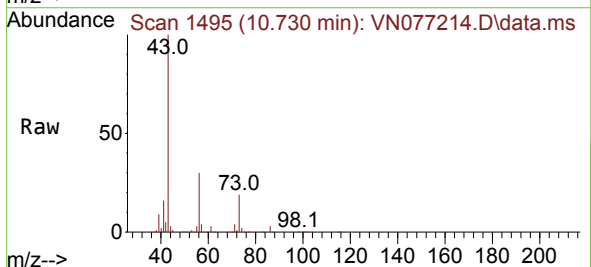
Instrument :
MSVOA_N
ClientSampleId :
PB151668ZHE#05

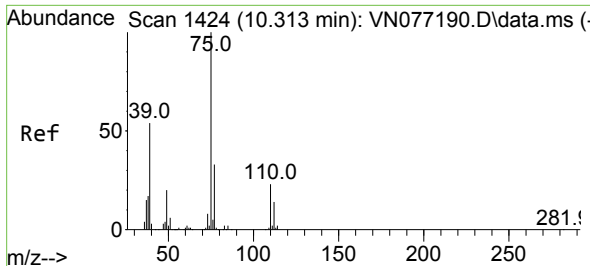
Tgt Ion: 43 Resp: 33200
Ion Ratio Lower Upper
43 100
58 21.8 37.4 56.0#



#53
t-1,3-Dichloropropene
Concen: 0.434 ug/l
RT: 10.730 min Scan# 1495
Delta R.T. -0.106 min
Lab File: VN077214.D
Acq: 27 Mar 2023 20:40

Tgt Ion: 75 Resp: 3150
Ion Ratio Lower Upper
75 100
77 5.3 25.0 37.6#

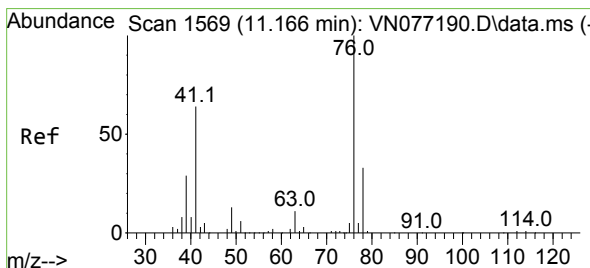
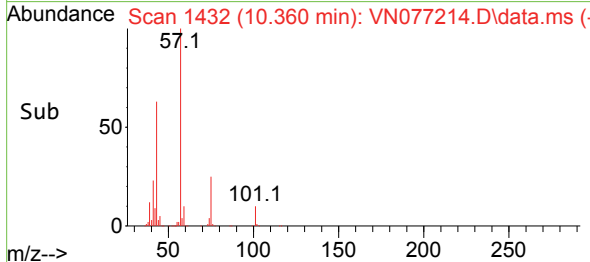
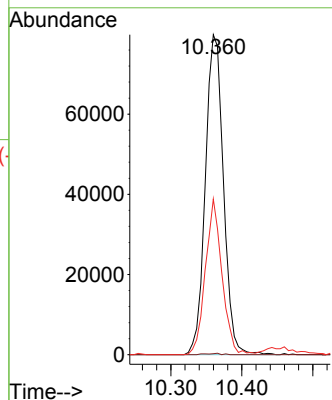
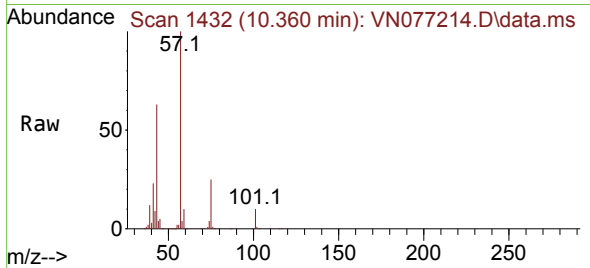




#54
 cis-1,3-Dichloropropene
 Concen: 17.815 ug/l
 RT: 10.360 min Scan# 1414
 Delta R.T. 0.047 min
 Lab File: VN077214.D
 Acq: 27 Mar 2023 20:40

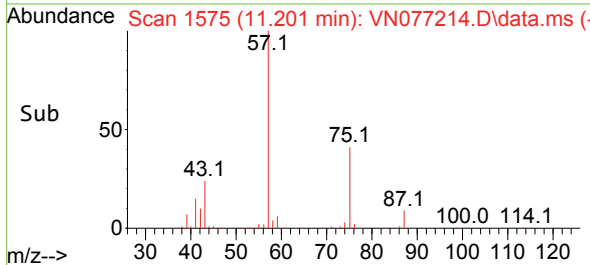
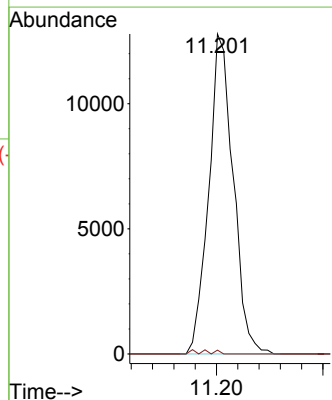
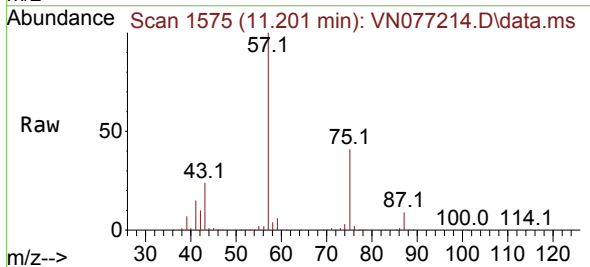
Instrument :
 MSVOA_N
 ClientSampleId :
 PB151668ZHE#05

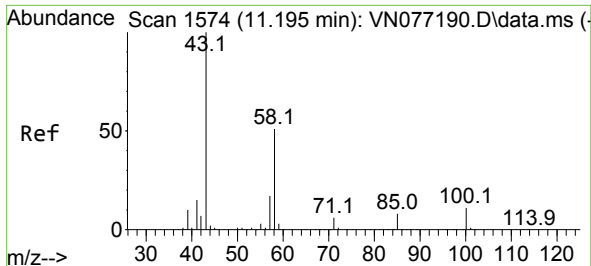
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.3	25.7	38.5#
39	48.7	29.7	44.5#



#57
 1,3-Dichloropropane
 Concen: 2.306 ug/l
 RT: 11.201 min Scan# 1575
 Delta R.T. 0.035 min
 Lab File: VN077214.D
 Acq: 27 Mar 2023 20:40

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

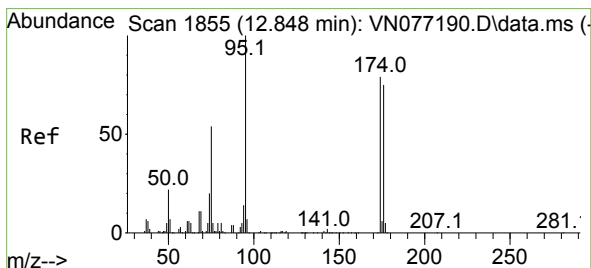
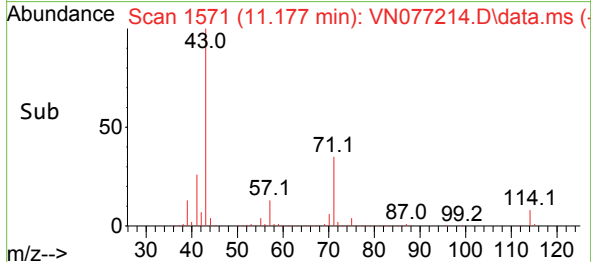
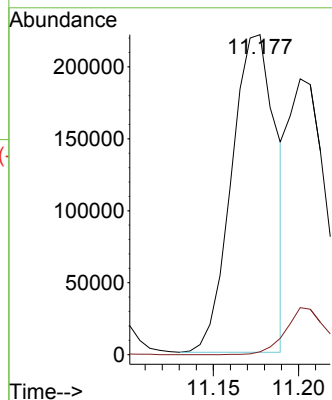
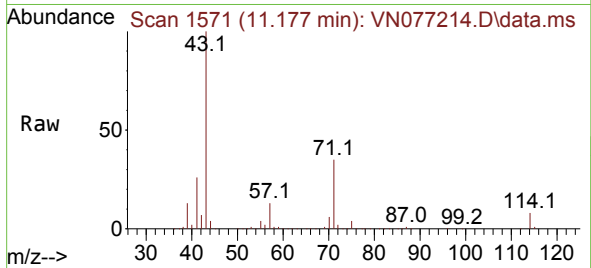




#59
2-Hexanone
Concen: 72.673 ug/l
RT: 11.177 min Scan# 111
Delta R.T. -0.018 min
Lab File: VN077214.D
Acq: 27 Mar 2023 20:40

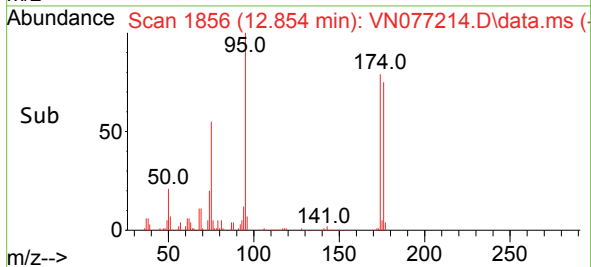
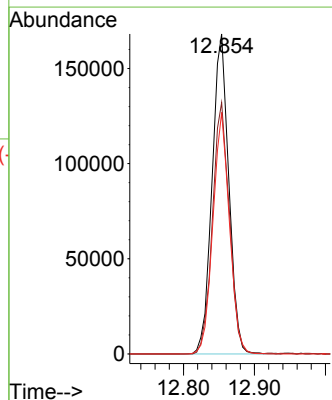
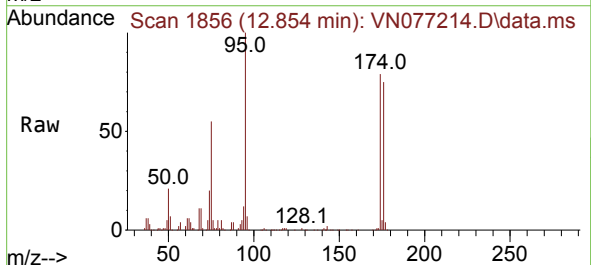
Instrument :
MSVOA_N
ClientSampleId :
PB151668ZHE#05

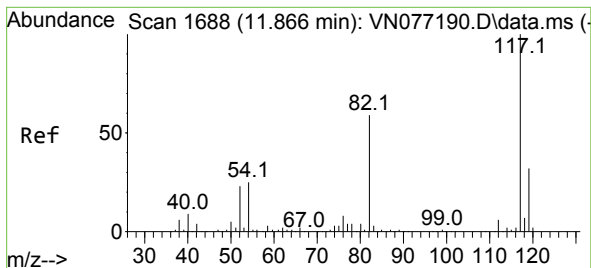
Tgt Ion: 43 Resp: 398841
Ion Ratio Lower Upper
43 100
58 0.0 32.6 98.0#



#62
4-Bromofluorobenzene
Concen: 46.027 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077214.D
Acq: 27 Mar 2023 20:40

Tgt Ion: 95 Resp: 274486
Ion Ratio Lower Upper
95 100
174 79.2 0.0 162.4
176 74.8 0.0 157.4

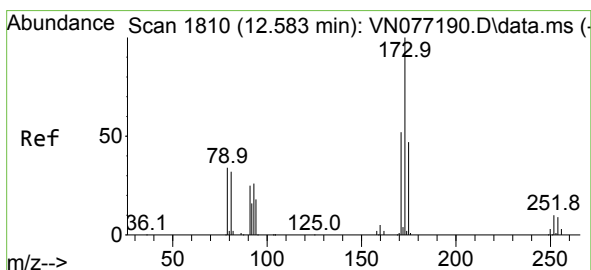
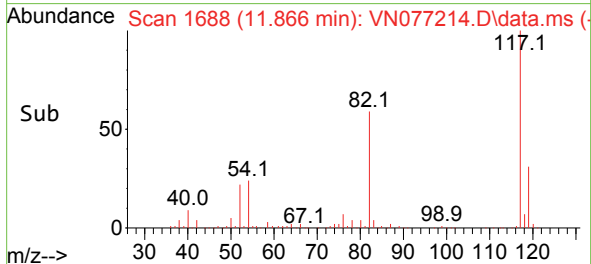
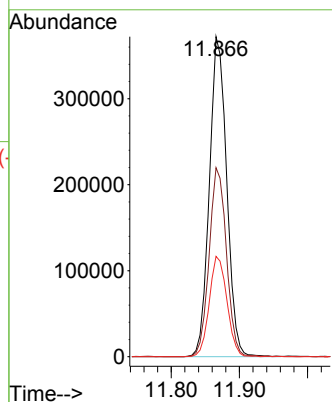
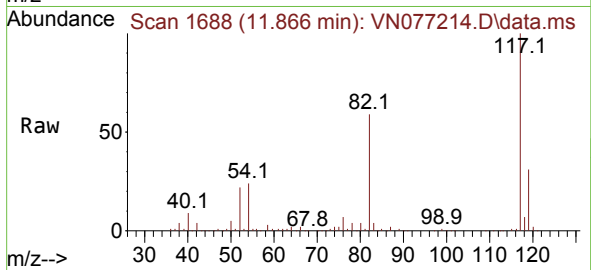




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077214.D
Acq: 27 Mar 2023 20:40

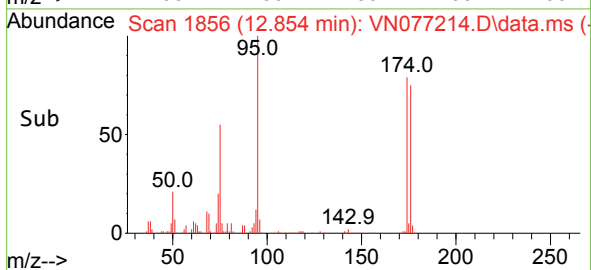
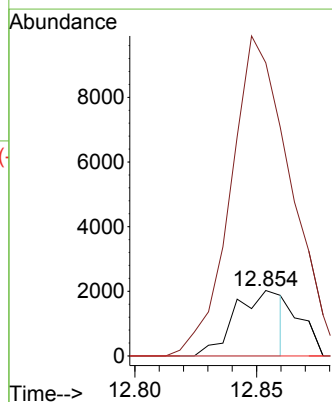
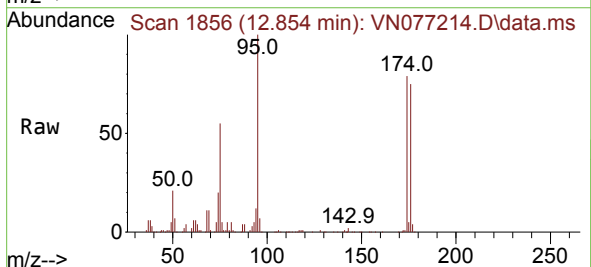
Instrument :
MSVOA_N
ClientSampleId :
PB151668ZHE#05

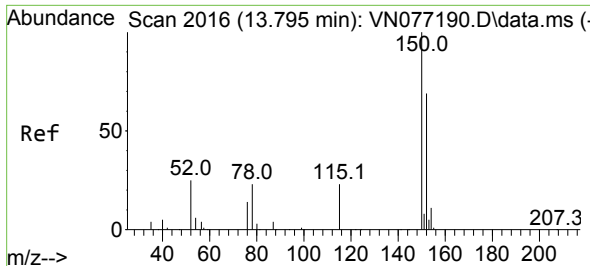
Tgt Ion:117 Resp: 659185
Ion Ratio Lower Upper
117 100
82 59.1 43.5 65.3
119 31.3 25.5 38.3



#71
Bromoform
Concen: 0.772 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN077214.D
Acq: 27 Mar 2023 20:40

Tgt Ion:173 Resp: 2774
Ion Ratio Lower Upper
173 100
175 489.5 24.9 74.6#
254 0.0 0.0 0.0

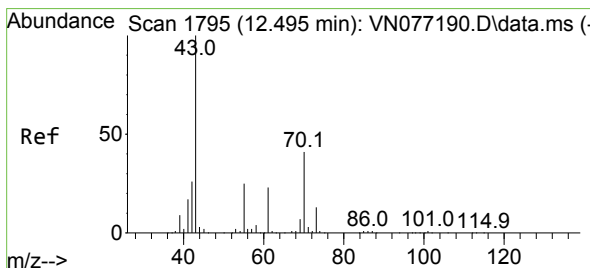
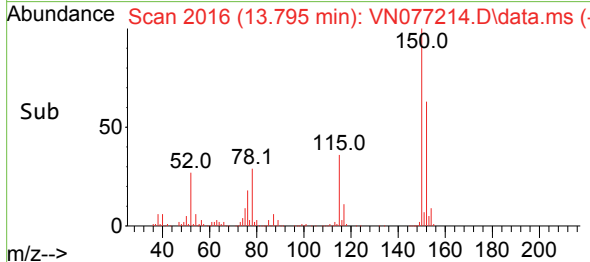
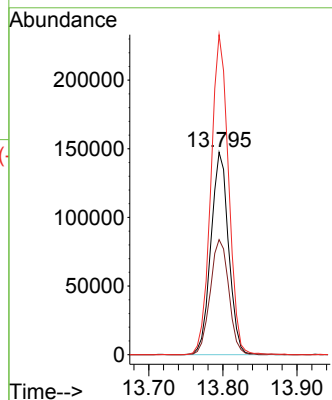
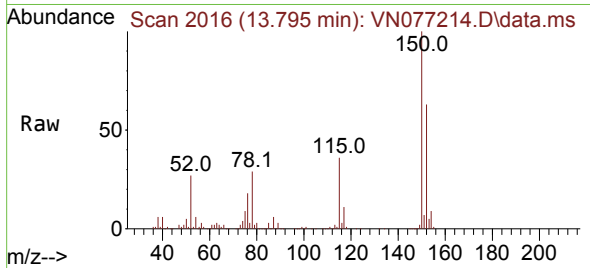




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077214.D
Acq: 27 Mar 2023 20:40

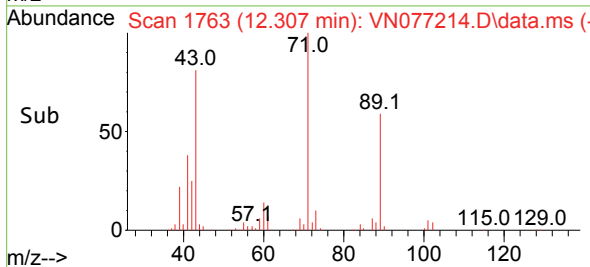
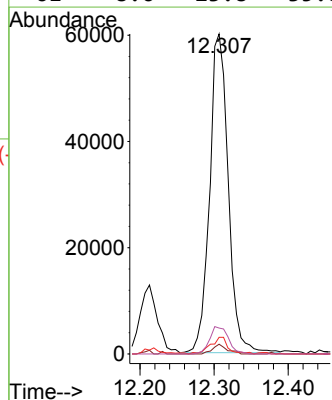
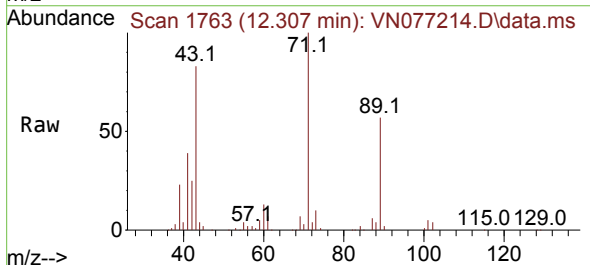
Instrument :
MSVOA_N
ClientSampleId :
PB151668ZHE#05

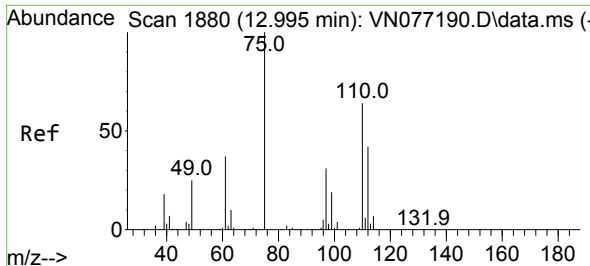
Tgt Ion:152 Resp: 244332
Ion Ratio Lower Upper
152 100
115 59.7 30.3 90.9
150 158.1 0.0 353.6



#74
N-ethyl acetate
Concen: 12.522 ug/l
RT: 12.307 min Scan# 1763
Delta R.T. -0.188 min
Lab File: VN077214.D
Acq: 27 Mar 2023 20:40

Tgt Ion: 43 Resp: 104899
Ion Ratio Lower Upper
43 100
70 2.4 46.8 70.2#
55 5.0 23.4 35.2#
61 8.6 23.8 35.8#

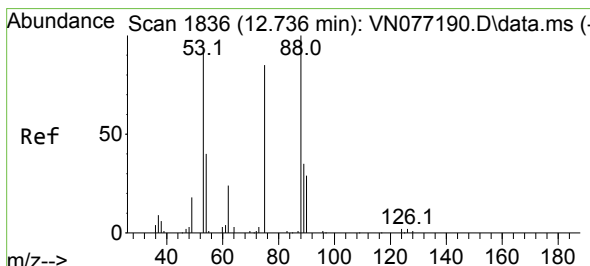
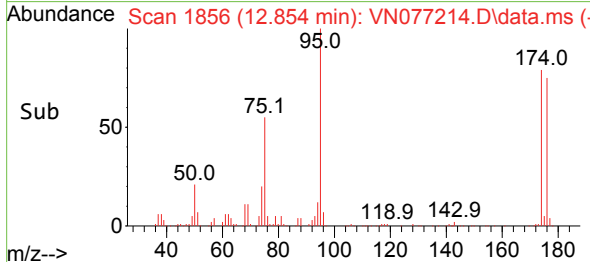
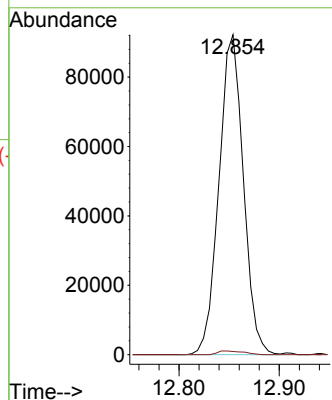
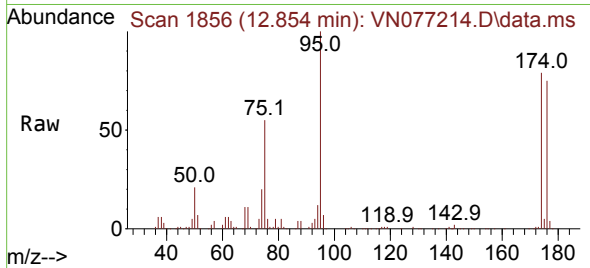




#76
1,2,3-Trichloropropane
Concen: 31.402 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077214.D
Acq: 27 Mar 2023 20:40

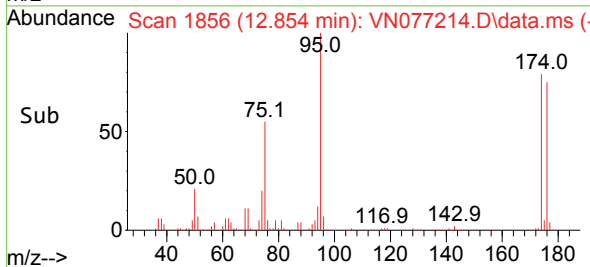
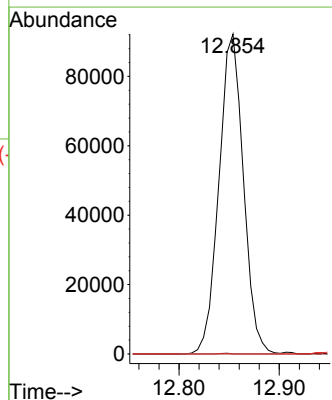
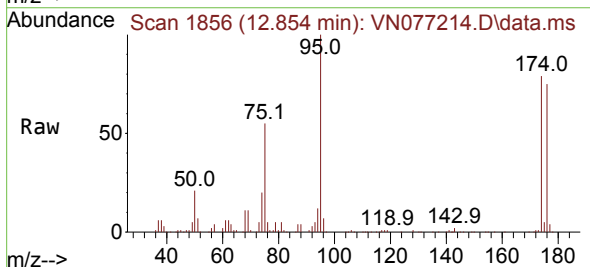
Instrument :
MSVOA_N
ClientSampleId :
PB151668ZHE#05

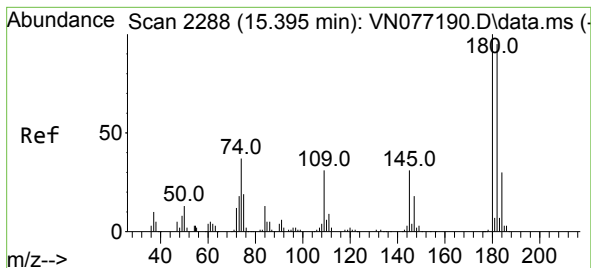
Tgt Ion: 75 Resp: 155643
Ion Ratio Lower Upper
75 100
77 1.2 93.8 281.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.505 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077214.D
Acq: 27 Mar 2023 20:40

Tgt Ion: 75 Resp: 155643
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.0#
89 0.0 39.5 59.3#





#93

1,2,4-Trichlorobenzene

Concen: 4.401 ug/l

RT: 15.407 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN077214.D

Acq: 27 Mar 2023 20:40

Instrument :

MSVOA_N

ClientSampleId :

PB151668ZHE#05

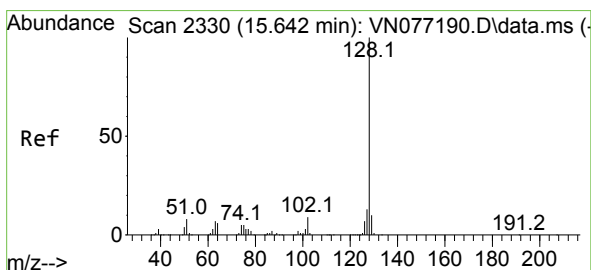
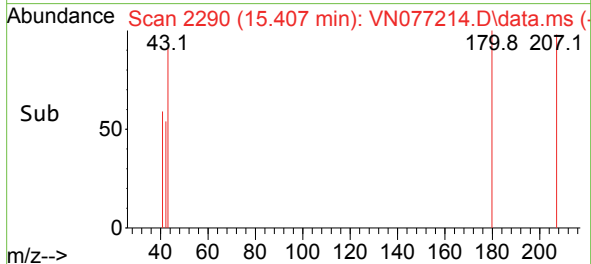
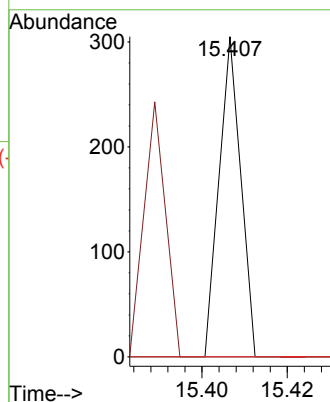
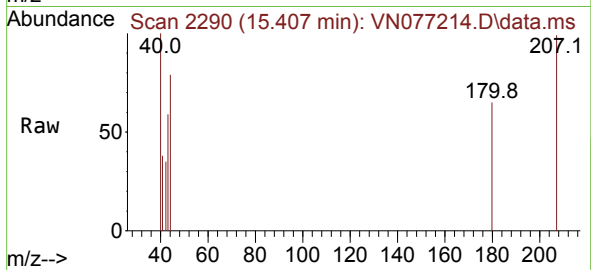
Tgt Ion:180 Resp: 108

Ion Ratio Lower Upper

180 100

182 79.6 47.4 142.2

145 0.0 15.8 47.3#



#95

Naphthalene

Concen: 5.957 ug/l

RT: 15.636 min Scan# 2329

Delta R.T. -0.006 min

Lab File: VN077214.D

Acq: 27 Mar 2023 20:40

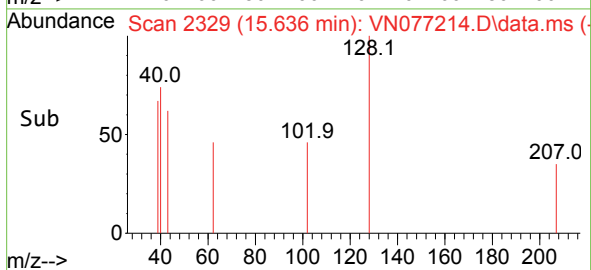
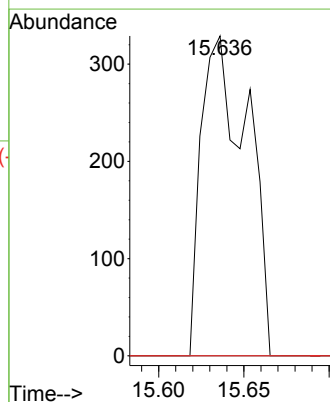
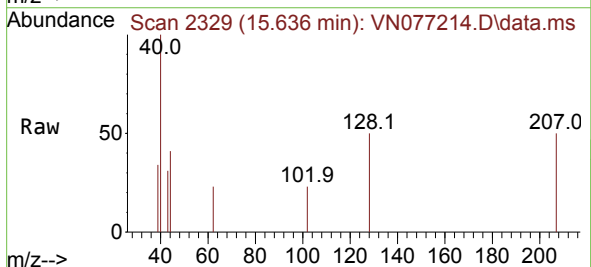
Tgt Ion:128 Resp: 618

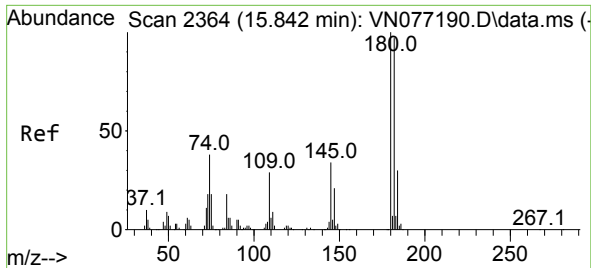
Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

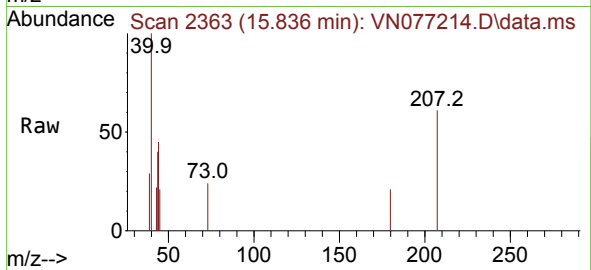
129 0.0 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 4.662 ug/l
 RT: 15.836 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN077214.D
 Acq: 27 Mar 2023 20:40

Instrument :
 MSVOA_N
 ClientSampleId :
 PB151668ZHE#05



Tgt Ion:180 Resp: 57
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.7 143.1#
 145 0.0 17.0 51.0#

