

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032723\
 Data File : VN077215.D
 Acq On : 27 Mar 2023 21:04
 Operator : JC\MD
 Sample : PB151668ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB151668ZHE#06

Quant Time: Mar 28 07:44:50 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)

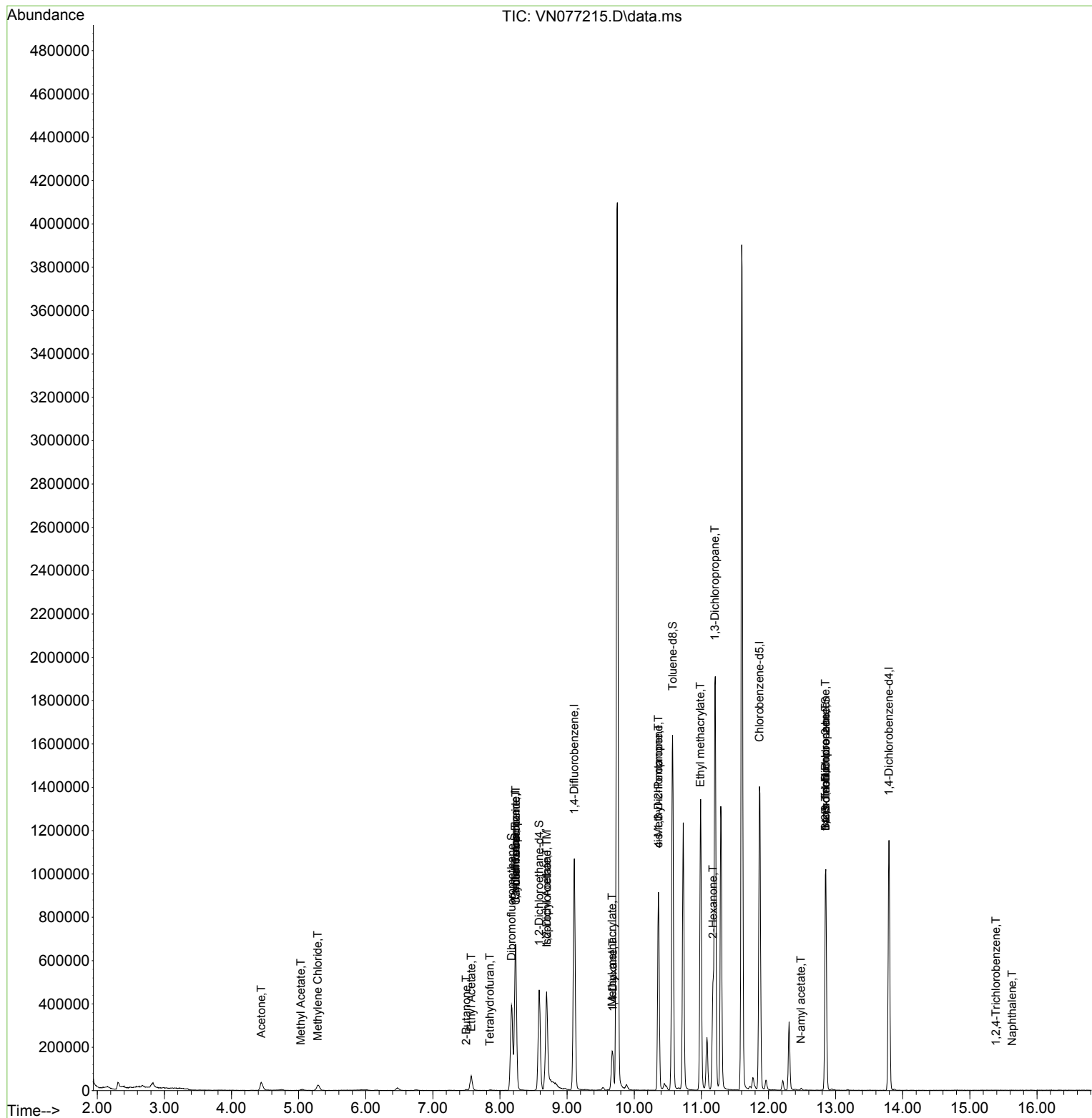
Internal Standards						
1) Pentafluorobenzene	8.231	168	471181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	862688	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	796978	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	296361	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	374147	50.786	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.580%	
35) Dibromofluoromethane	8.172	113	276501	47.235	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.460%	
50) Toluene-d8	10.572	98	1086941	49.555	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.100%	
62) 4-Bromofluorobenzene	12.854	95	334027	46.401	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.800%	
Target Compounds						
					Qvalue	
16) Acetone	4.443	43	70949	25.901	ug/l	96
18) Methyl Acetate	5.031	43	3301	0.301	ug/l #	78
20) Methylene Chloride	5.284	84	8524	1.397	ug/l #	65
25) 2-Butanone	7.495	43	5843	1.364	ug/l	96
29) Tetrahydrofuran	7.848	42	852	0.300	ug/l #	58
31) Cyclohexane	8.231	56	13463	1.315	ug/l #	50
36) 1,1-Dichloropropene	8.237	75	44695	5.486	ug/l #	49
37) Ethyl Acetate	7.572	43	97622	10.750	ug/l #	91
38) Carbon Tetrachloride	8.237	117	51321	6.213	ug/l #	16
42) 1,2-Dichloroethane	8.695	62	2847	0.302	ug/l #	71
43) Isopropyl Acetate	8.695	43	565556	38.603	ug/l #	72
48) Methyl methacrylate	9.672	41	12296	1.743	ug/l #	28
49) 1,4-Dioxane	9.684	88	59	0.491	ug/l #	30
51) 4-Methyl-2-Pentanone	10.360	43	341141	37.008	ug/l #	39
54) cis-1,3-Dichloropropene	10.360	75	146658	15.299	ug/l #	70
56) Ethyl methacrylate	10.983	69	5118	0.580	ug/l #	1
57) 1,3-Dichloropropane	11.201	76	19834	1.861	ug/l #	43
59) 2-Hexanone	11.172	43	398066	60.087	ug/l #	17
71) Bromoform	12.848	173	2086	0.480	ug/l #	1
74) N-amyl acetate	12.483	43	3434	0.338	ug/l #	39
76) 1,2,3-Trichloropropane	12.848	75	189063	31.448	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	189063	90.637	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.389	180	179	4.411	ug/l #	42
95) Naphthalene	15.630	128	414	5.938	ug/l #	69

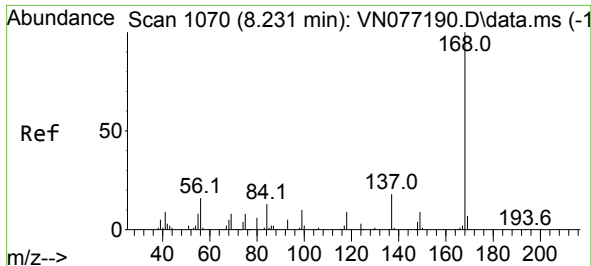
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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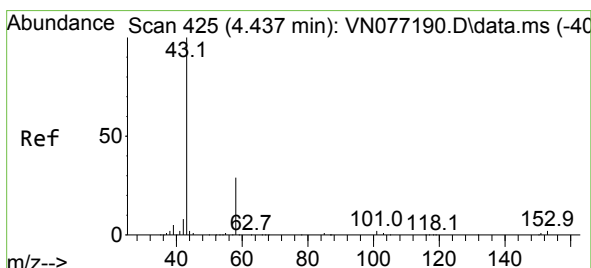
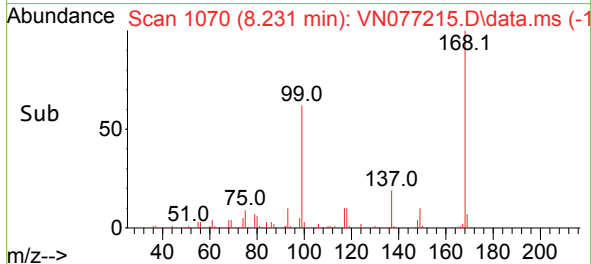
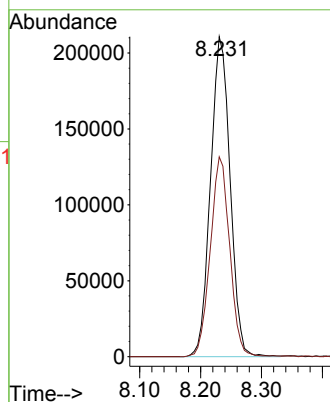
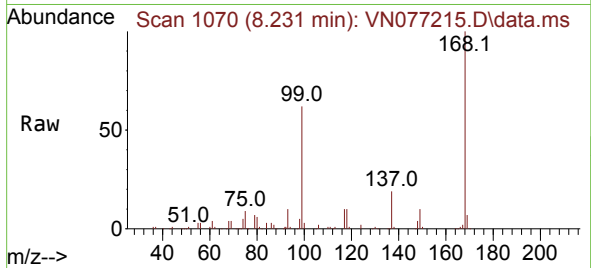




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077215.D
Acq: 27 Mar 2023 21:04

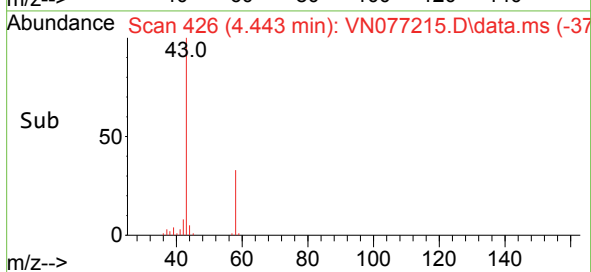
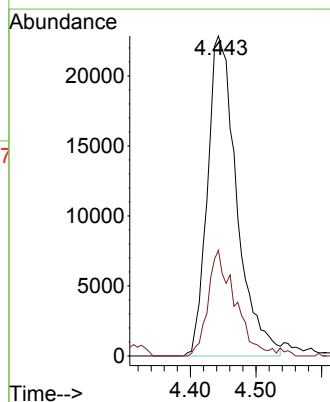
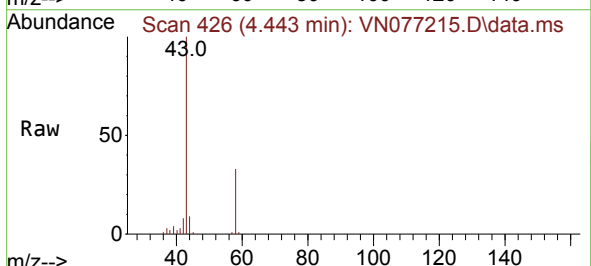
Instrument :
MSVOA_N
ClientSampleId :
PB151668ZHE#06

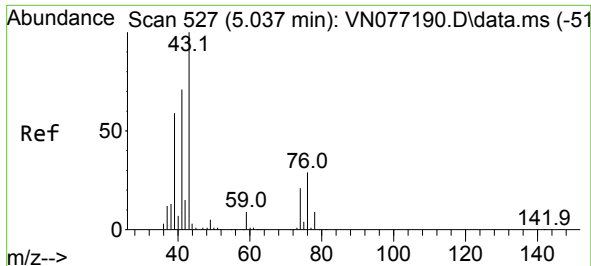
Tgt Ion:168 Resp: 471181
Ion Ratio Lower Upper
168 100
99 62.4 48.6 73.0



#16
Acetone
Concen: 25.901 ug/l
RT: 4.443 min Scan# 426
Delta R.T. 0.006 min
Lab File: VN077215.D
Acq: 27 Mar 2023 21:04

Tgt Ion: 43 Resp: 70949
Ion Ratio Lower Upper
43 100
58 33.0 28.2 42.2

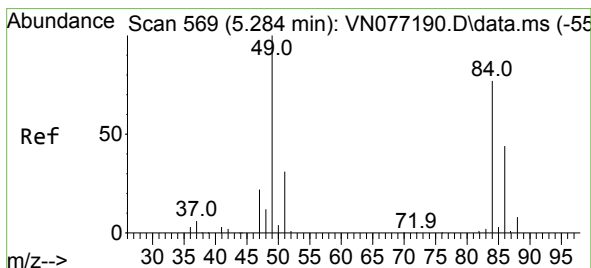
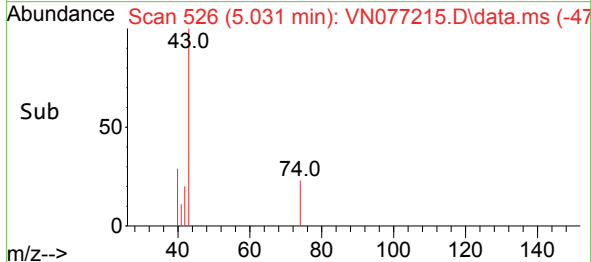
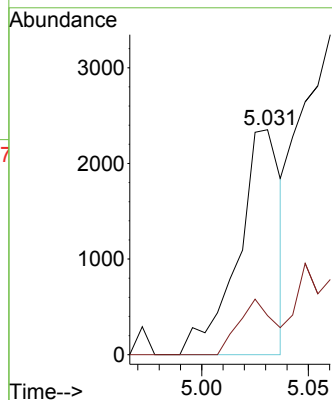
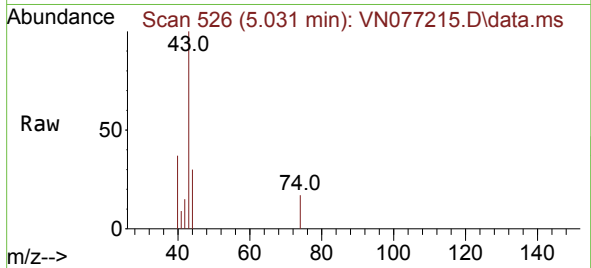




#18
Methyl Acetate
Concen: 0.301 ug/l
RT: 5.031 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN077215.D
Acq: 27 Mar 2023 21:04

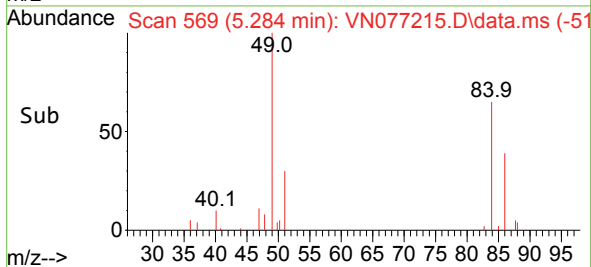
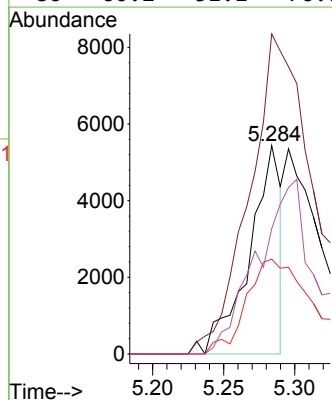
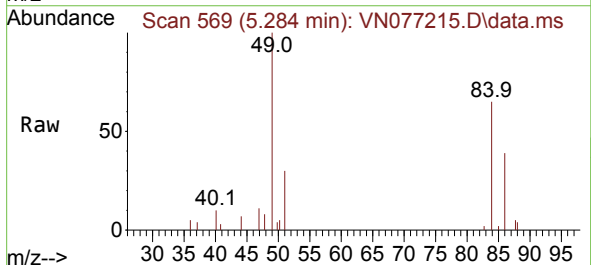
Instrument :
MSVOA_N
ClientSampleId :
PB151668ZHE#06

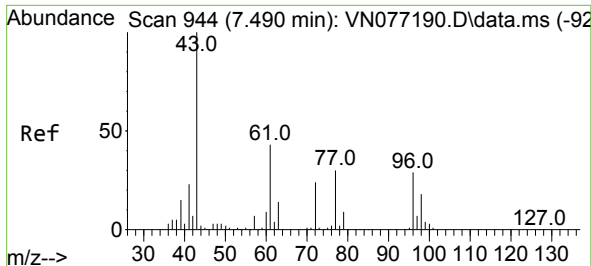
Tgt Ion: 43 Resp: 3301
Ion Ratio Lower Upper
43 100
74 20.0 25.9 38.9#



#20
Methylene Chloride
Concen: 1.397 ug/l
RT: 5.284 min Scan# 569
Delta R.T. -0.000 min
Lab File: VN077215.D
Acq: 27 Mar 2023 21:04

Tgt Ion: 84 Resp: 8524
Ion Ratio Lower Upper
84 100
49 153.6 76.6 114.8#
51 45.5 25.4 38.2#
86 60.2 51.1 76.7

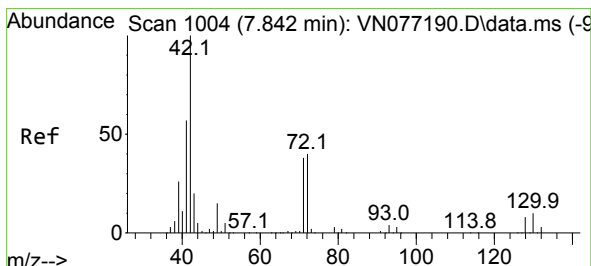
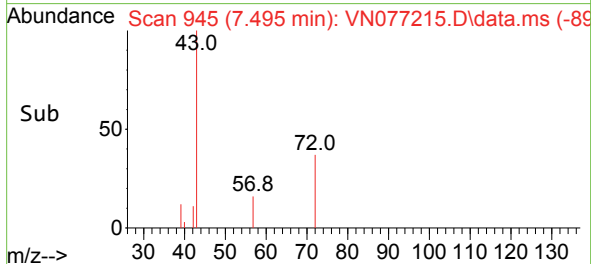
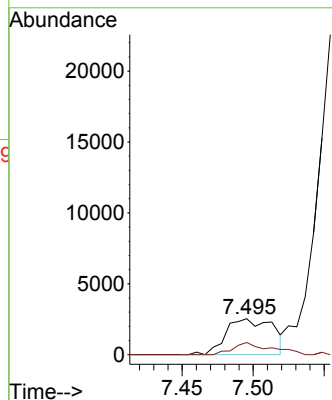
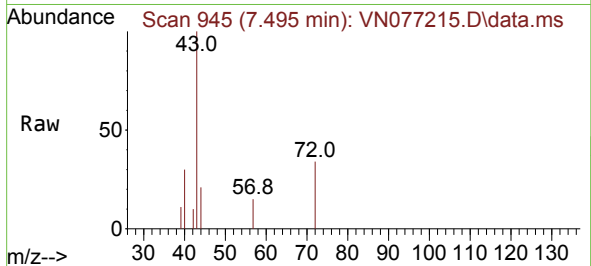




#25
2-Butanone
Concen: 1.364 ug/l
RT: 7.495 min Scan# 944
Delta R.T. 0.005 min
Lab File: VN077215.D
Acq: 27 Mar 2023 21:04

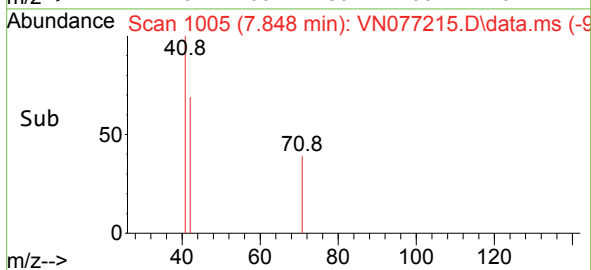
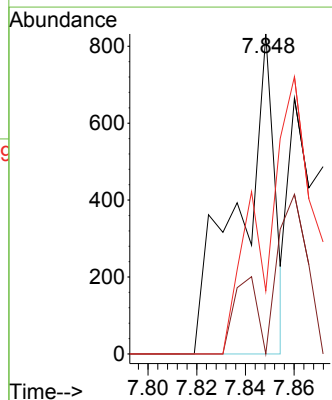
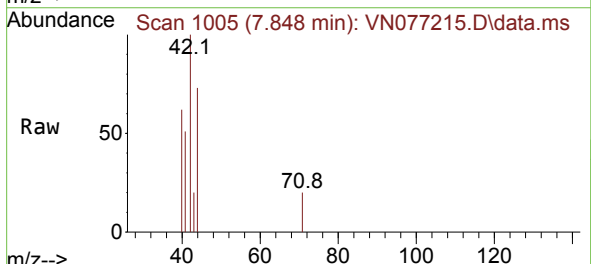
Instrument :
MSVOA_N
ClientSampleId :
PB151668ZHE#06

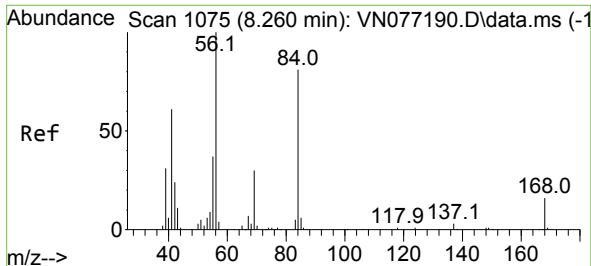
Tgt Ion: 43 Resp: 5843
Ion Ratio Lower Upper
43 100
72 33.8 28.8 43.2



#29
Tetrahydrofuran
Concen: 0.300 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VN077215.D
Acq: 27 Mar 2023 21:04

Tgt Ion: 42 Resp: 852
Ion Ratio Lower Upper
42 100
72 66.1 48.6 73.0
71 115.1 45.1 67.7#

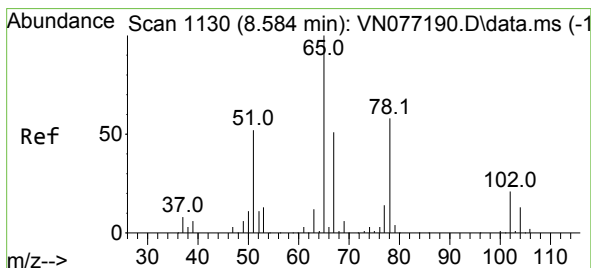
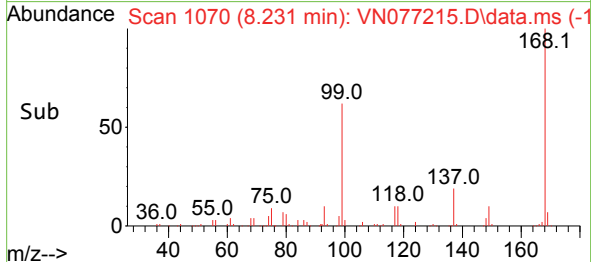
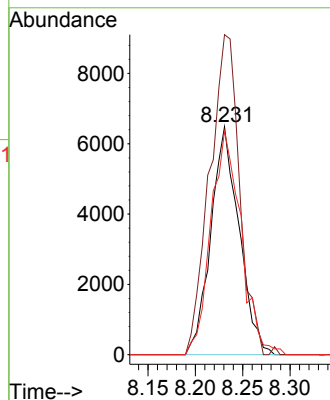
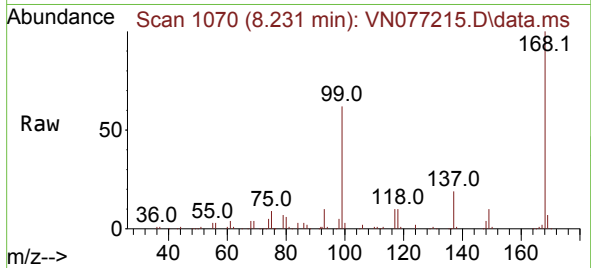




#31
Cyclohexane
Concen: 1.315 ug/l
RT: 8.231 min Scan# 1075
Delta R.T. -0.029 min
Lab File: VN077215.D
Acq: 27 Mar 2023 21:04

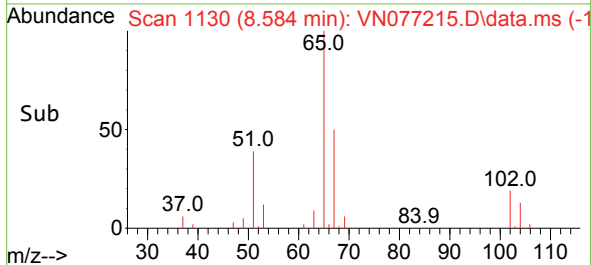
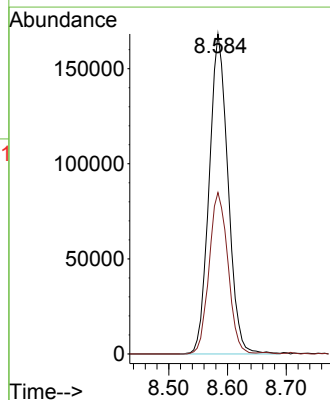
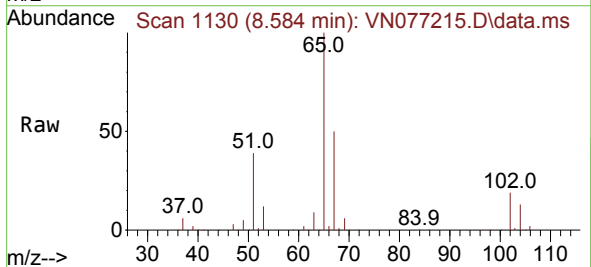
Instrument :
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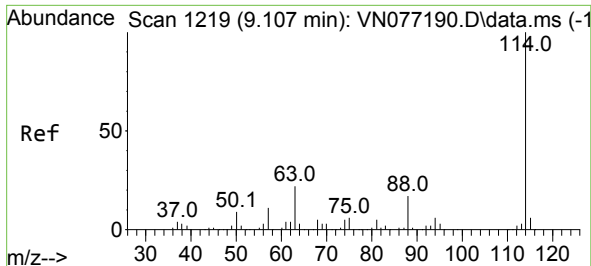
Tgt Ion: 56 Resp: 13463
Ion Ratio Lower Upper
56 100
69 140.3 27.0 40.6#
84 98.1 82.9 124.3



#33
1,2-Dichloroethane-d4
Concen: 50.786 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN077215.D
Acq: 27 Mar 2023 21:04

Tgt Ion: 65 Resp: 374147
Ion Ratio Lower Upper
65 100
67 50.5 0.0 107.2

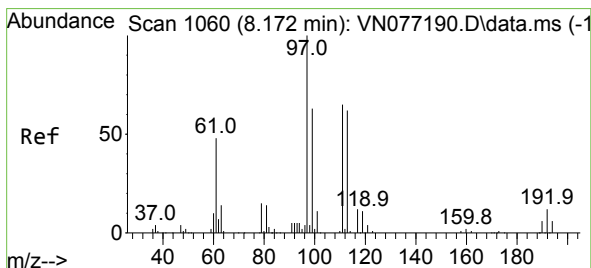
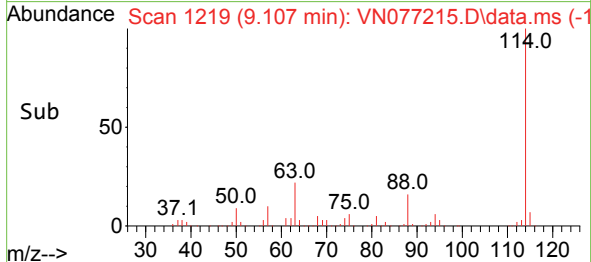
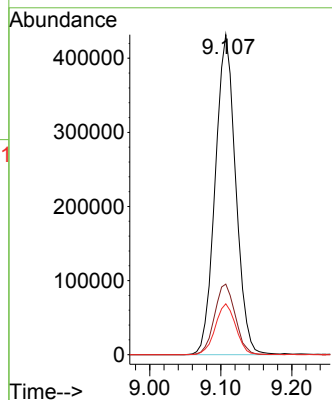
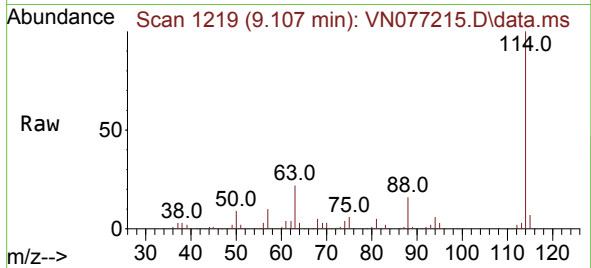




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077215.D
Acq: 27 Mar 2023 21:04

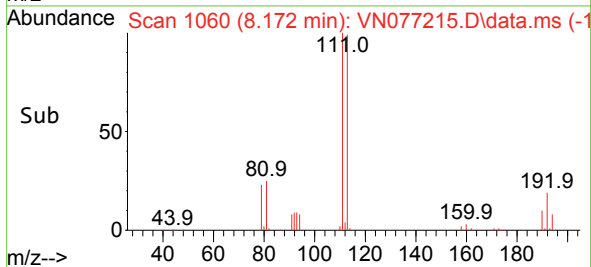
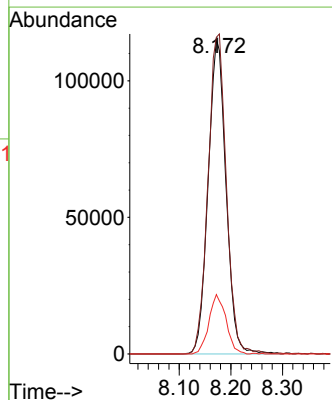
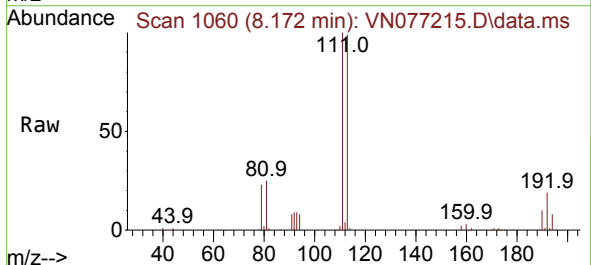
Instrument :
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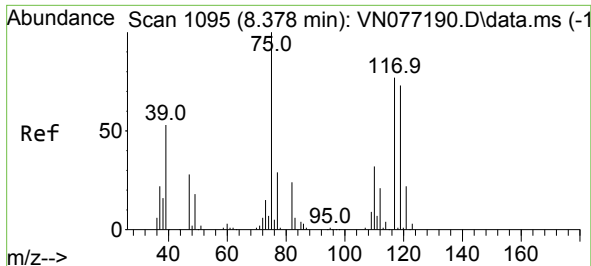
Tgt Ion:114 Resp: 862688
Ion Ratio Lower Upper
114 100
63 22.1 0.0 36.6
88 15.9 0.0 28.6



#35
Dibromofluoromethane
Concen: 47.235 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077215.D
Acq: 27 Mar 2023 21:04

Tgt Ion:113 Resp: 276501
Ion Ratio Lower Upper
113 100
111 104.4 81.8 122.8
192 18.1 13.9 20.9

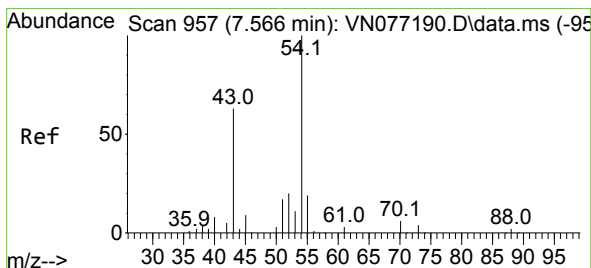
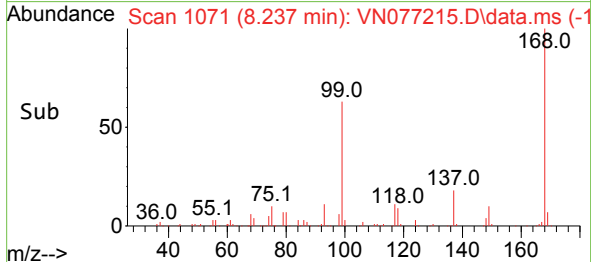
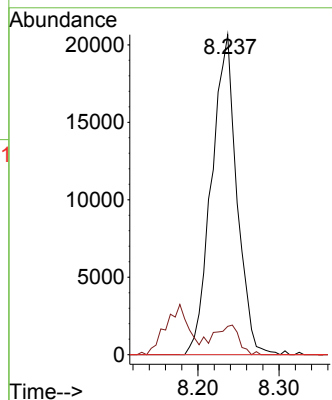
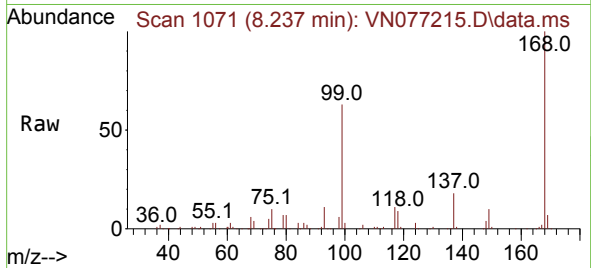




#36
1,1-Dichloropropene
Concen: 5.486 ug/l
RT: 8.237 min Scan# 1095
Delta R.T. -0.141 min
Lab File: VN077215.D
Acq: 27 Mar 2023 21:04

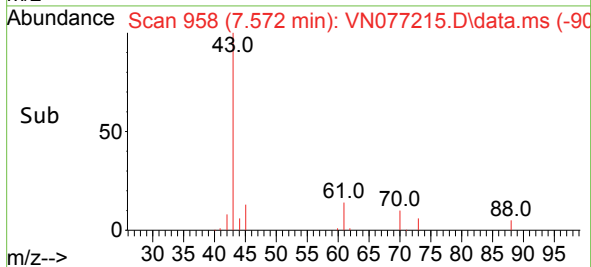
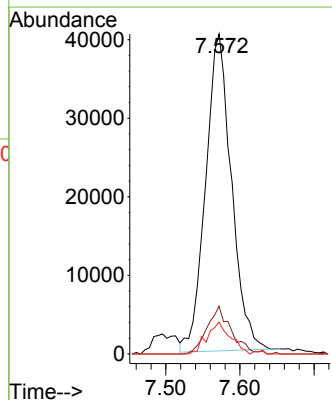
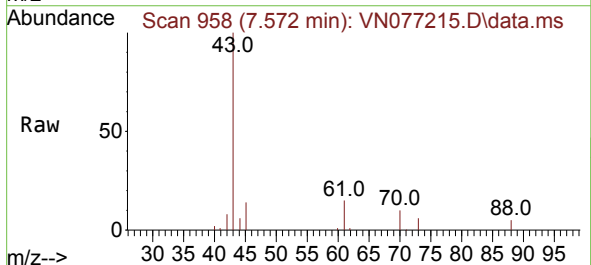
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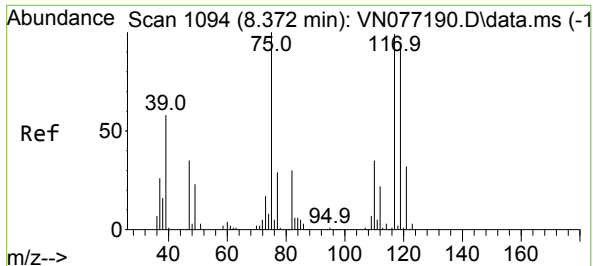
Tgt Ion: 75 Resp: 44695
Ion Ratio Lower Upper
75 100
110 9.9 18.9 56.9#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 10.750 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.006 min
Lab File: VN077215.D
Acq: 27 Mar 2023 21:04

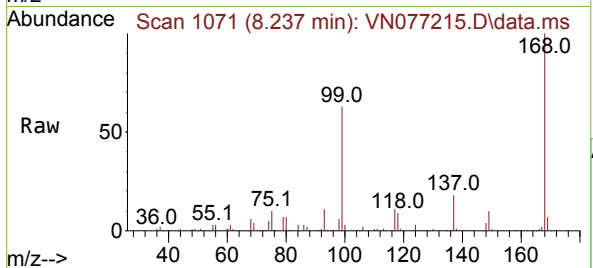
Tgt Ion: 43 Resp: 97622
Ion Ratio Lower Upper
43 100
61 14.1 13.5 20.3
70 9.1 11.0 16.6#



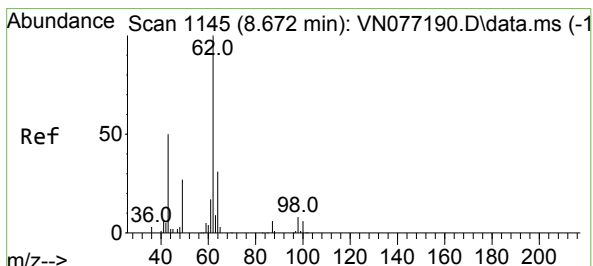
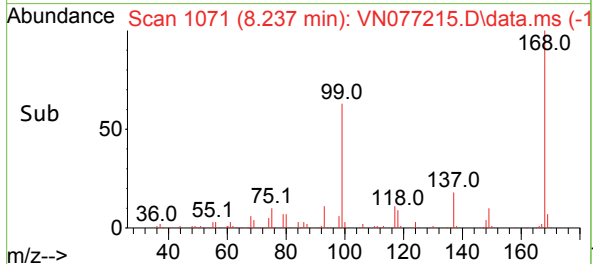
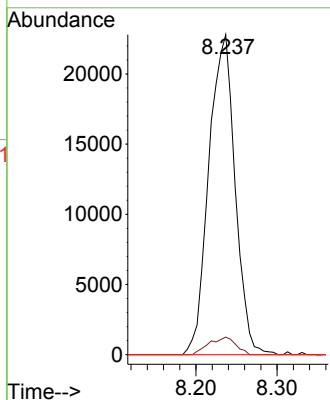


#38
Carbon Tetrachloride
Concen: 6.213 ug/l
RT: 8.237 min Scan# 1094
Delta R.T. -0.135 min
Lab File: VN077215.D
Acq: 27 Mar 2023 21:04

Instrument :
MSVOA_N
ClientSampleId :
PB151668ZHE#06

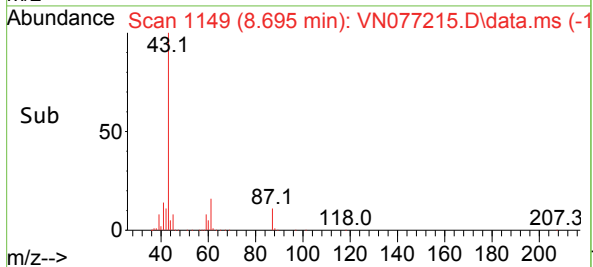
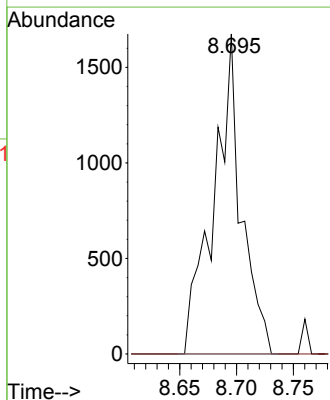
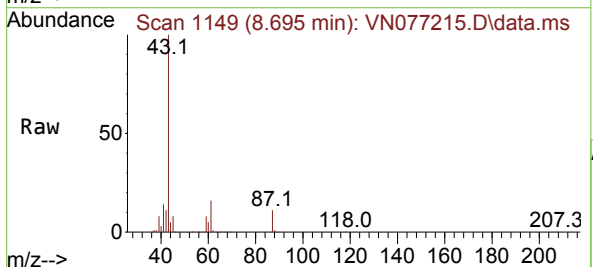


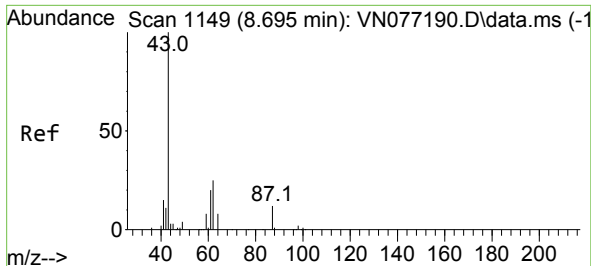
Tgt Ion:117 Resp: 51321
Ion Ratio Lower Upper
117 100
119 5.5 76.9 115.3#
121 0.0 23.2 34.8#



#42
1,2-Dichloroethane
Concen: 0.302 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.023 min
Lab File: VN077215.D
Acq: 27 Mar 2023 21:04

Tgt Ion: 62 Resp: 2847
Ion Ratio Lower Upper
62 100
98 0.0 0.0 21.8

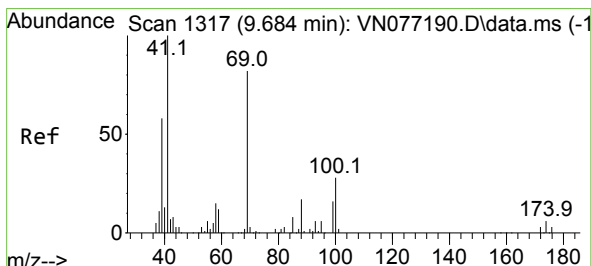
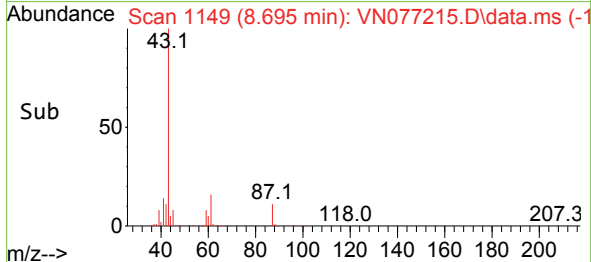
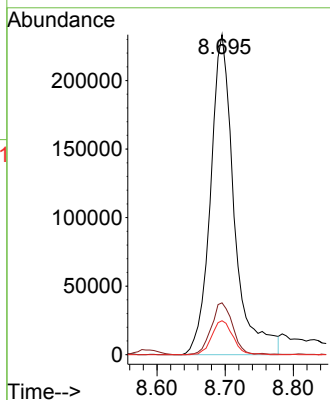
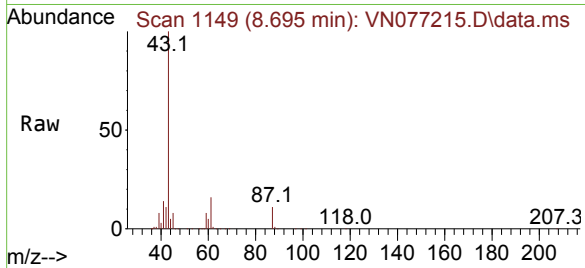




#43
Isopropyl Acetate
Concen: 38.603 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077215.D
Acq: 27 Mar 2023 21:04

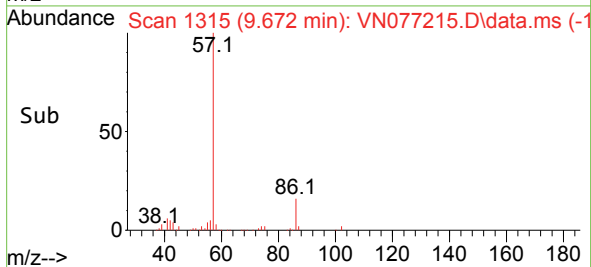
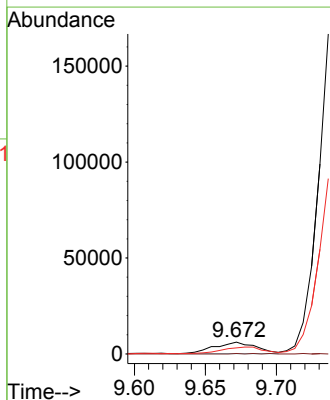
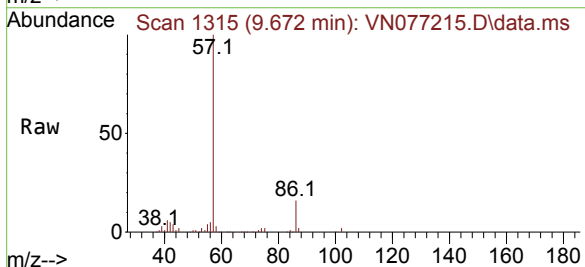
Instrument :
MSVOA_N
ClientSampleId :
PB151668ZHE#06

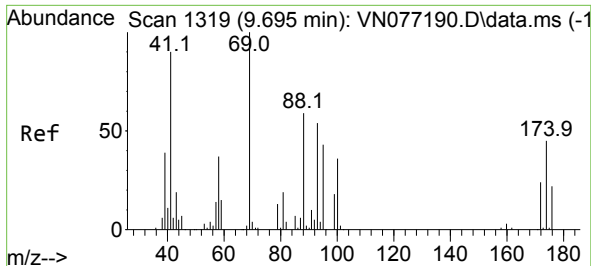
Tgt Ion: 43 Resp: 565556
Ion Ratio Lower Upper
43 100
61 14.8 26.2 39.2#
87 9.4 14.8 22.2#



#48
Methyl methacrylate
Concen: 1.743 ug/l
RT: 9.672 min Scan# 1315
Delta R.T. -0.012 min
Lab File: VN077215.D
Acq: 27 Mar 2023 21:04

Tgt Ion: 41 Resp: 12296
Ion Ratio Lower Upper
41 100
69 0.6 92.6 139.0#
39 55.5 51.4 77.0





#49

1,4-Dioxane

Concen: 0.491 ug/l

RT: 9.684 min Scan# 1

Delta R.T. -0.011 min

Lab File: VN077215.D

Acq: 27 Mar 2023 21:04

Instrument :

MSVOA_N

ClientSampleId :

PB151668ZHE#06

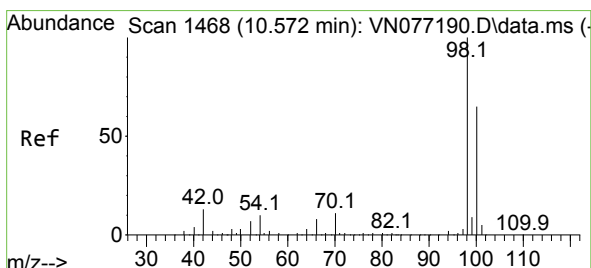
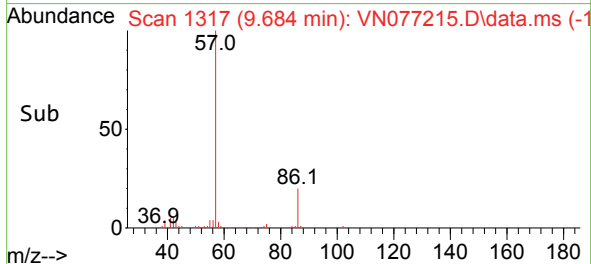
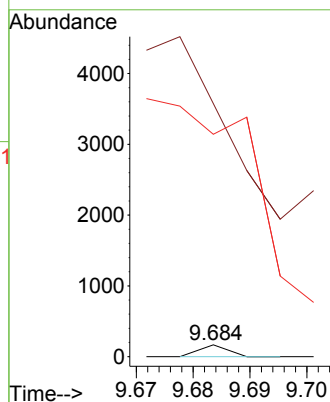
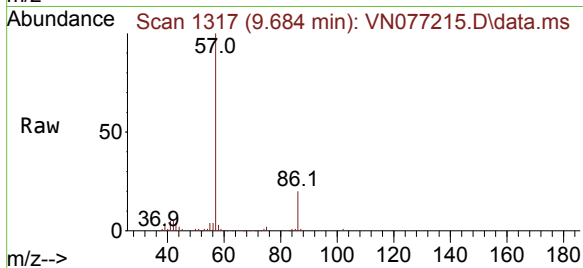
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 0.0 15.3 22.9#

58 0.0 47.6 71.4#



#50

Toluene-d8

Concen: 49.555 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VN077215.D

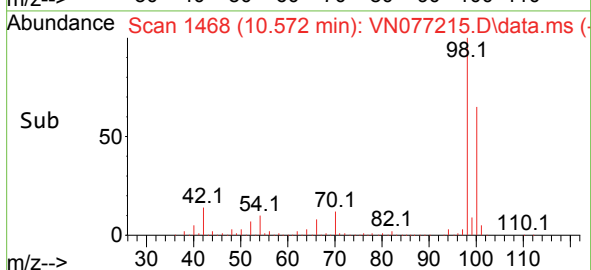
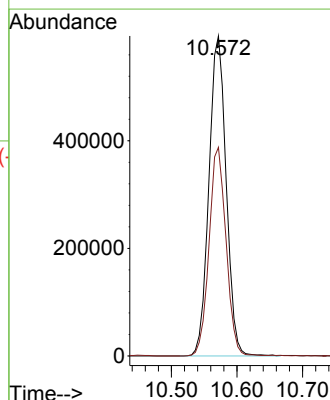
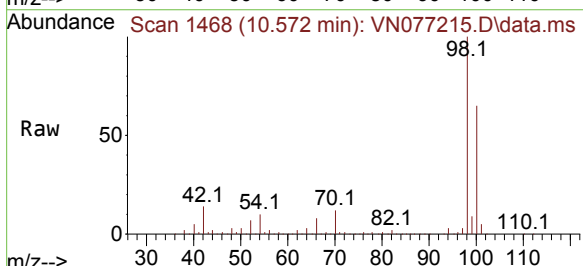
Acq: 27 Mar 2023 21:04

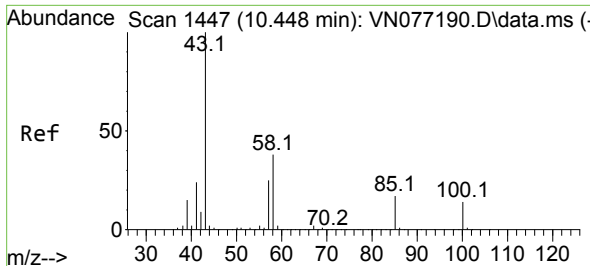
Tgt Ion: 98 Resp: 1086941

Ion Ratio Lower Upper

98 100

100 64.4 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 37.008 ug/l

RT: 10.360 min Scan# 14

Delta R.T. -0.088 min

Lab File: VN077215.D

Acq: 27 Mar 2023 21:04

Instrument :

MSVOA_N

ClientSampleId :

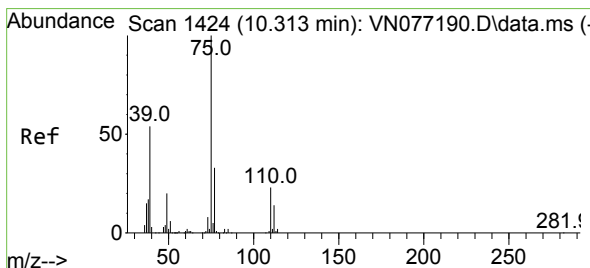
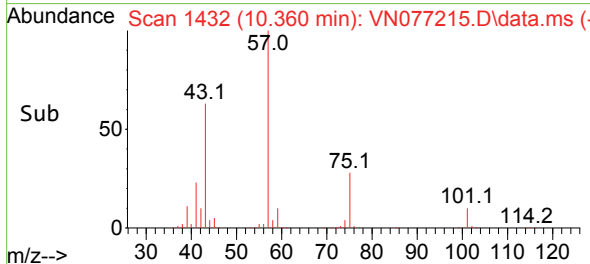
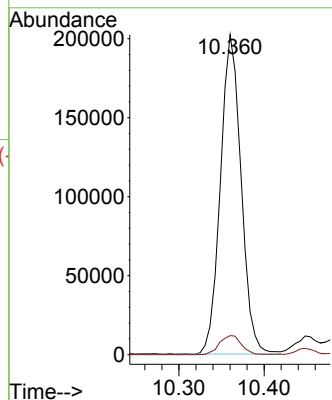
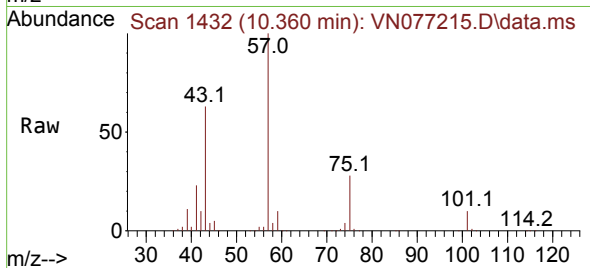
PB151668ZHE#06

Tgt Ion: 43 Resp: 341141

Ion Ratio Lower Upper

43 100

58 6.4 37.4 56.0#



#54

cis-1,3-Dichloropropene

Concen: 15.299 ug/l

RT: 10.360 min Scan# 1432

Delta R.T. 0.047 min

Lab File: VN077215.D

Acq: 27 Mar 2023 21:04

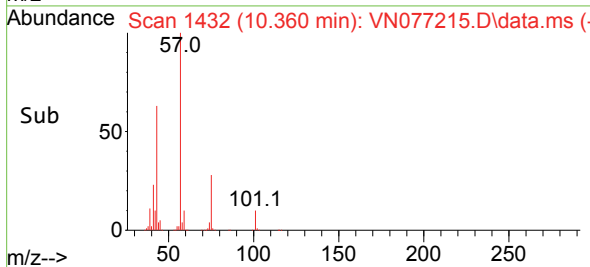
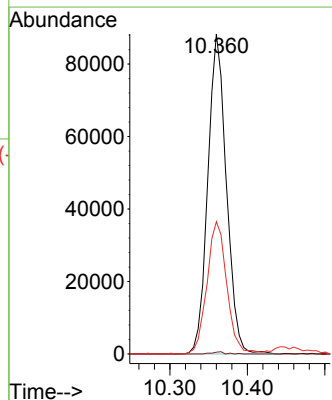
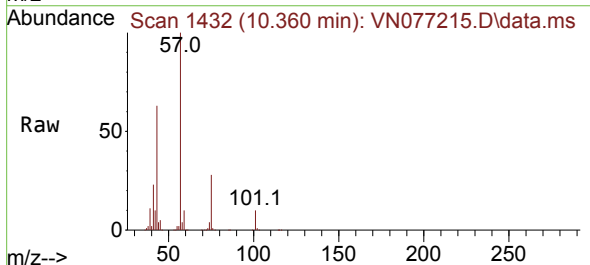
Tgt Ion: 75 Resp: 146658

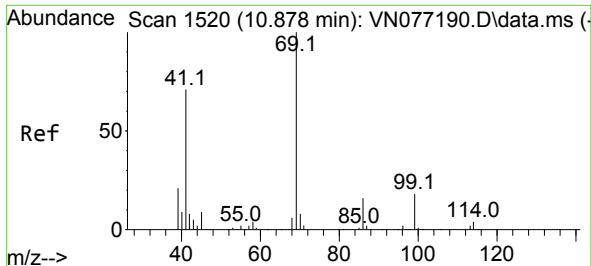
Ion Ratio Lower Upper

75 100

77 0.5 25.7 38.5#

39 41.3 29.7 44.5

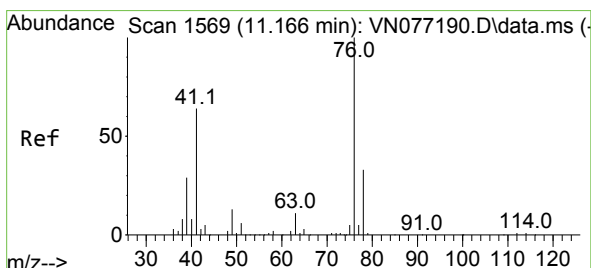
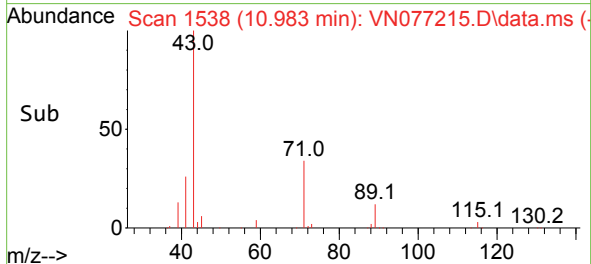
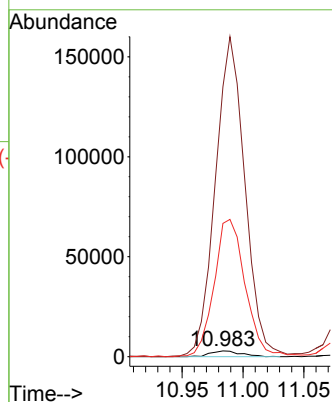
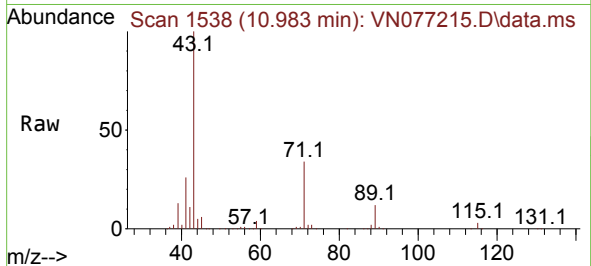




#56
Ethyl methacrylate
Concen: 0.580 ug/l
RT: 10.983 min Scan# 1538
Delta R.T. 0.105 min
Lab File: VN077215.D
Acq: 27 Mar 2023 21:04

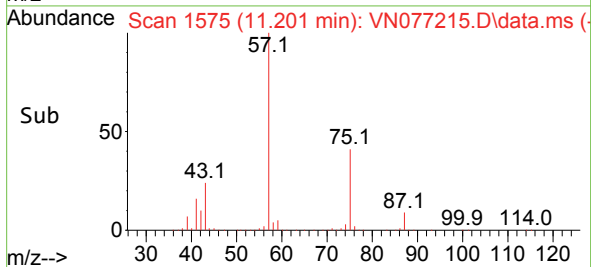
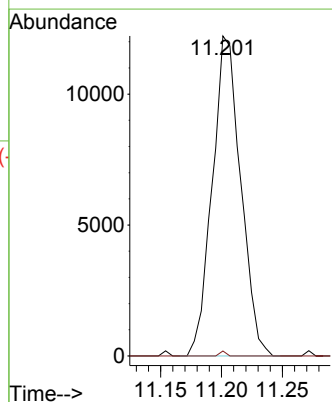
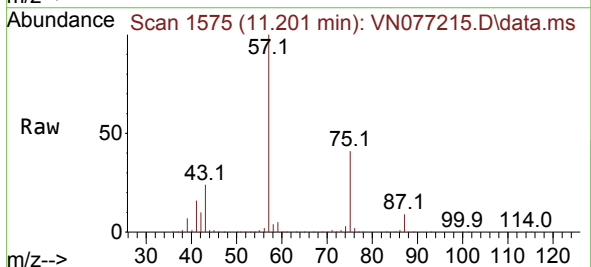
Instrument :
MSVOA_N
ClientSampleId :
PB151668ZHE#06

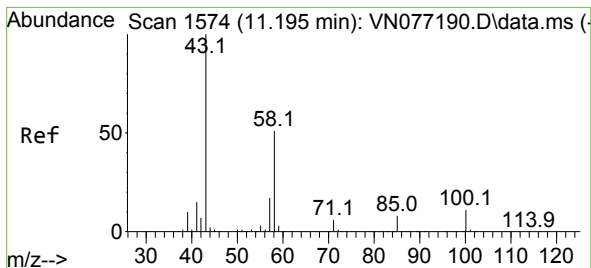
Tgt Ion: 69 Resp: 5118
Ion Ratio Lower Upper
69 100
41 5297.6 38.0 57.0#
39 2387.6 22.4 33.6#



#57
1,3-Dichloropropane
Concen: 1.861 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.035 min
Lab File: VN077215.D
Acq: 27 Mar 2023 21:04

Tgt Ion: 76 Resp: 19834
Ion Ratio Lower Upper
76 100
78 0.3 26.1 39.1#

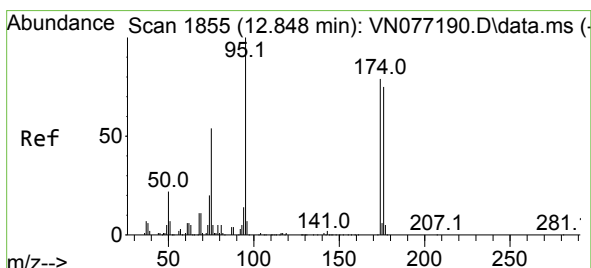
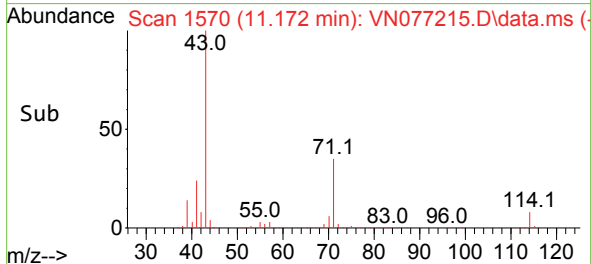
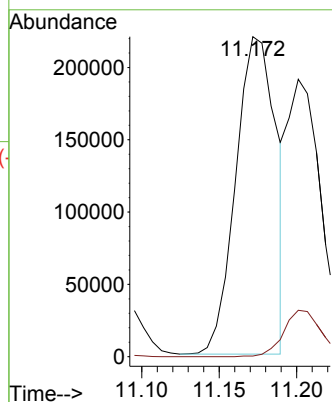
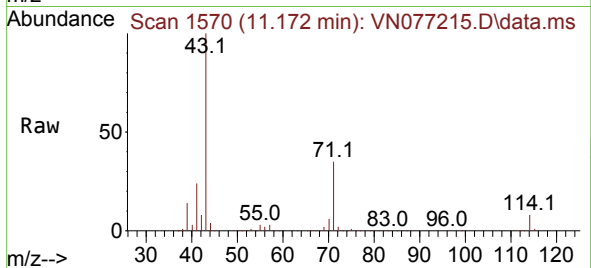




#59
2-Hexanone
Concen: 60.087 ug/l
RT: 11.172 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN077215.D
Acq: 27 Mar 2023 21:04

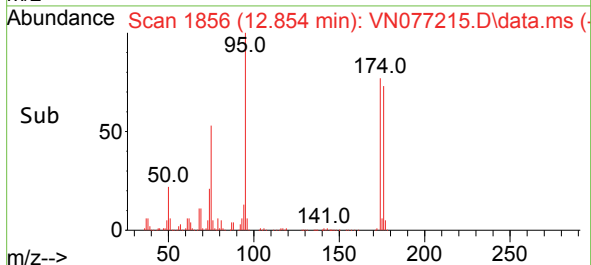
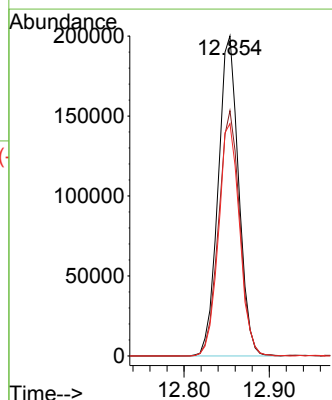
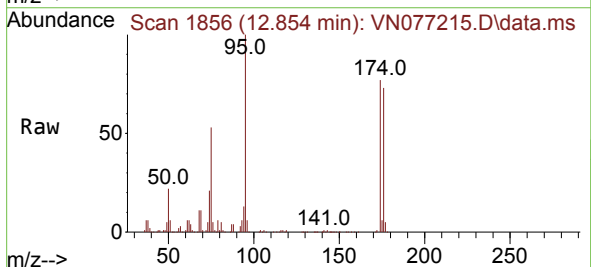
Instrument :
MSVOA_N
ClientSampleId :
PB151668ZHE#06

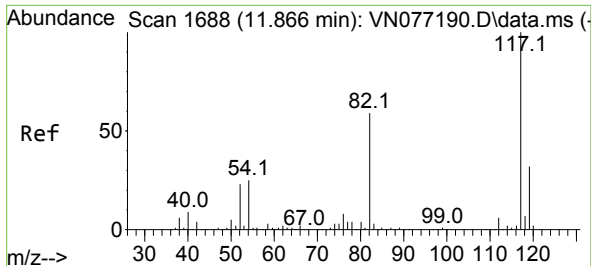
Tgt Ion: 43 Resp: 398066
Ion Ratio Lower Upper
43 100
58 0.0 32.6 98.0#



#62
4-Bromofluorobenzene
Concen: 46.401 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077215.D
Acq: 27 Mar 2023 21:04

Tgt Ion: 95 Resp: 334027
Ion Ratio Lower Upper
95 100
174 79.2 0.0 162.4
176 74.6 0.0 157.4

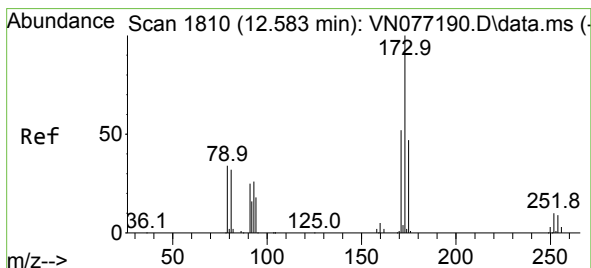
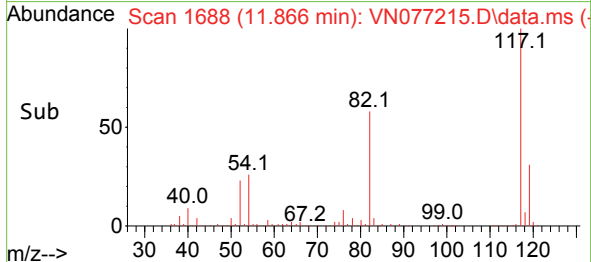
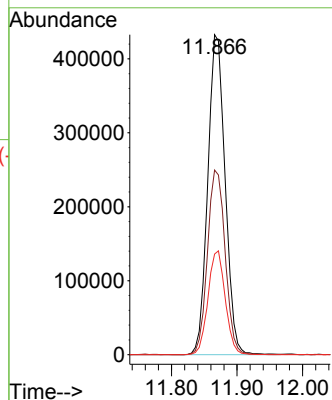
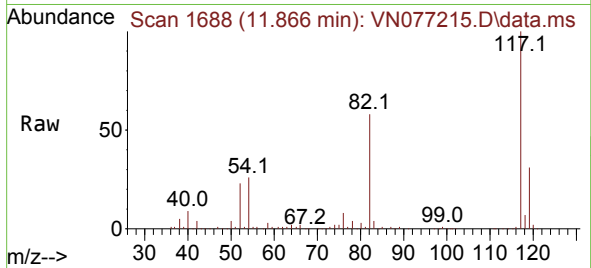




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077215.D
Acq: 27 Mar 2023 21:04

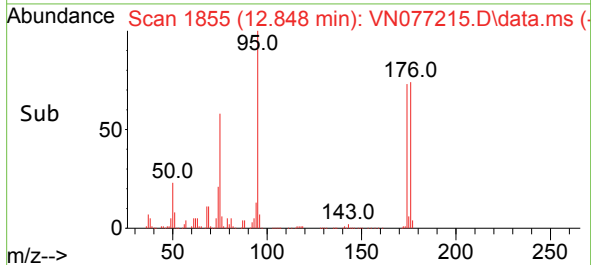
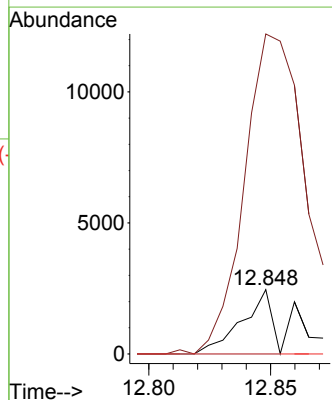
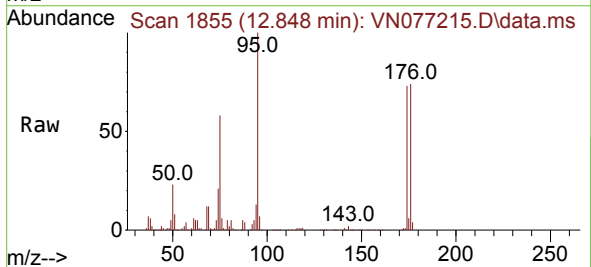
Instrument :
MSVOA_N
ClientSampleId :
PB151668ZHE#06

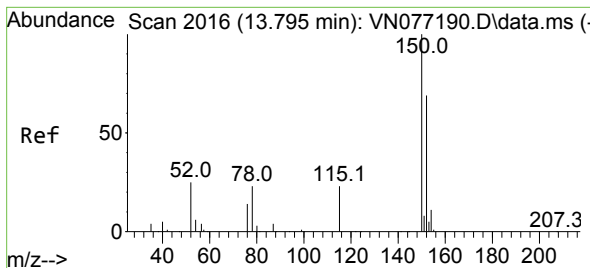
Tgt Ion:117 Resp: 796978
Ion Ratio Lower Upper
117 100
82 57.7 43.5 65.3
119 31.4 25.5 38.3



#71
Bromoform
Concen: 0.480 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.265 min
Lab File: VN077215.D
Acq: 27 Mar 2023 21:04

Tgt Ion:173 Resp: 2086
Ion Ratio Lower Upper
173 100
175 848.3 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: VN077215.D

Acq: 27 Mar 2023 21:04

Instrument :

MSVOA_N

ClientSampleId :

PB151668ZHE#06

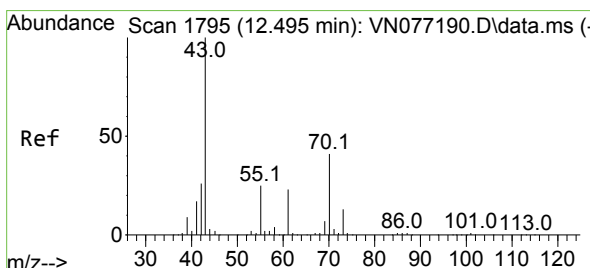
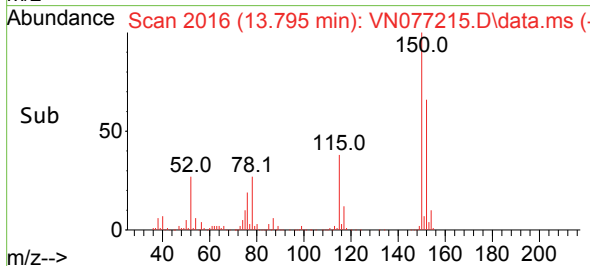
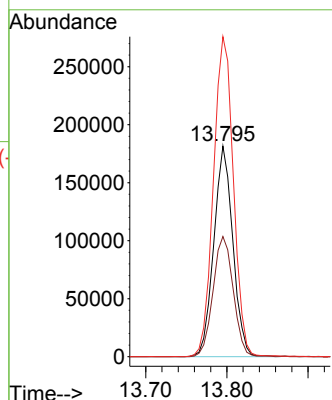
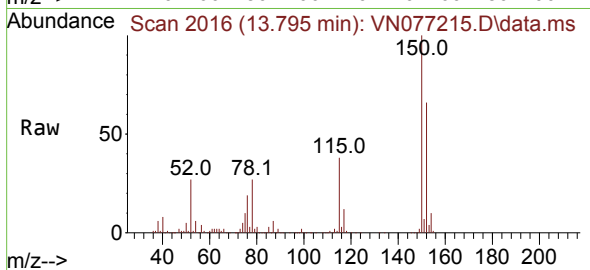
Tgt Ion:152 Resp: 296361

Ion Ratio Lower Upper

152 100

115 60.3 30.3 90.9

150 159.0 0.0 353.6



#74

N-ethyl acetate

Concen: 0.338 ug/l

RT: 12.483 min Scan# 1793

Delta R.T. -0.012 min

Lab File: VN077215.D

Acq: 27 Mar 2023 21:04

Tgt Ion: 43 Resp: 3434

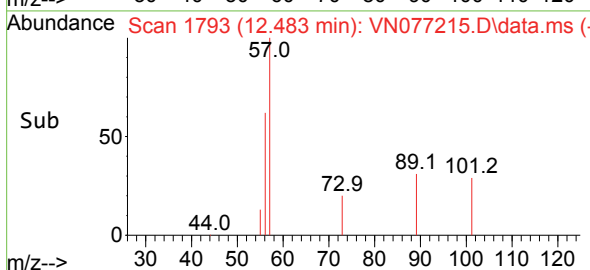
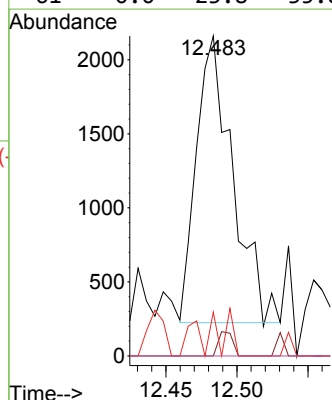
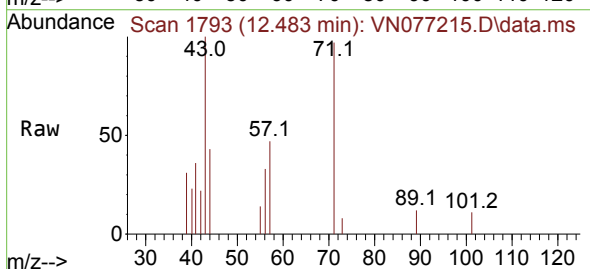
Ion Ratio Lower Upper

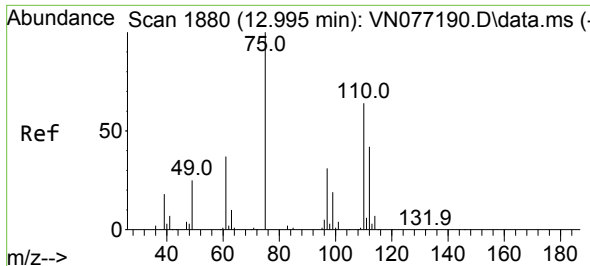
43 100

70 3.3 46.8 70.2#

55 6.3 23.4 35.2#

61 0.0 23.8 35.8#

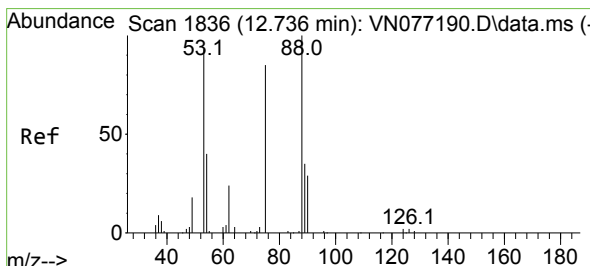
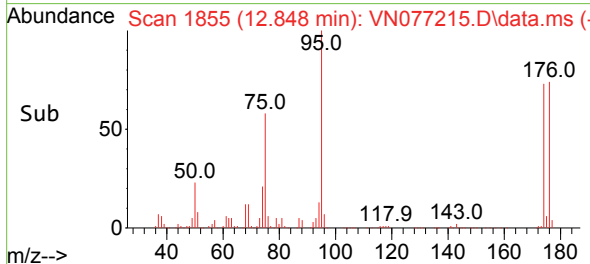
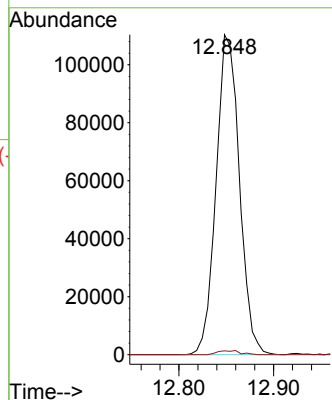
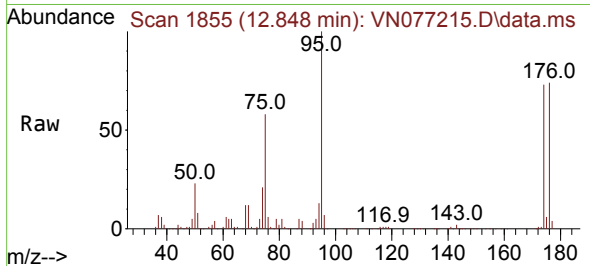




#76
1,2,3-Trichloropropane
Concen: 31.448 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.147 min
Lab File: VN077215.D
Acq: 27 Mar 2023 21:04

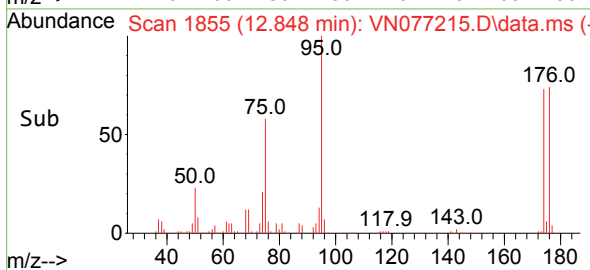
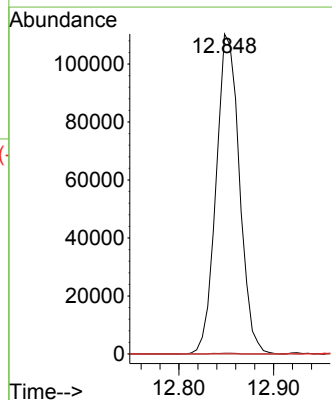
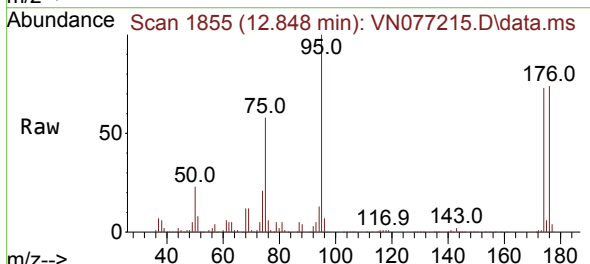
Instrument :
MSVOA_N
ClientSampleId :
PB151668ZHE#06

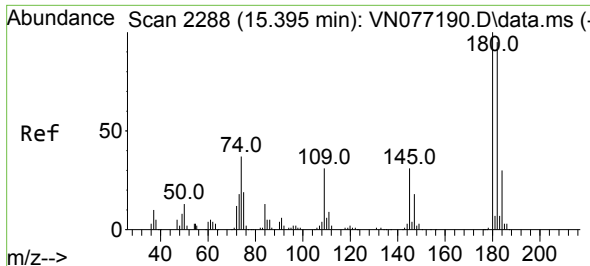
Tgt Ion: 75 Resp: 189063
Ion Ratio Lower Upper
75 100
77 1.2 93.8 281.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.637 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.112 min
Lab File: VN077215.D
Acq: 27 Mar 2023 21:04

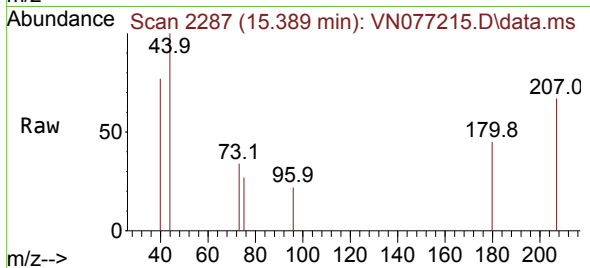
Tgt Ion: 75 Resp: 189063
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.0#
89 0.0 39.5 59.3#



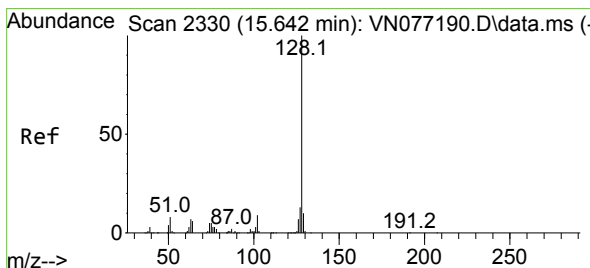
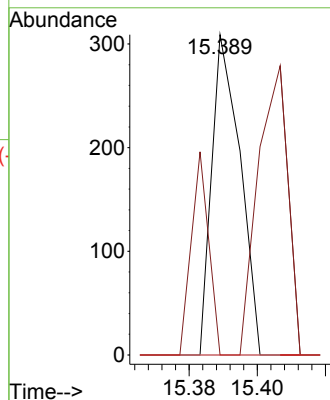
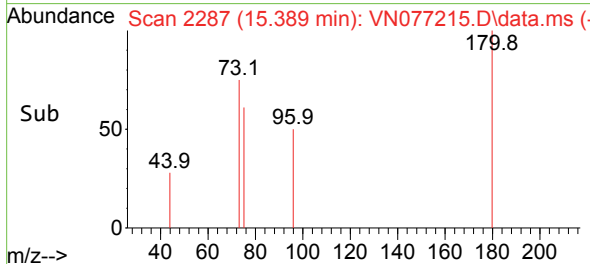


#93
1,2,4-Trichlorobenzene
Concen: 4.411 ug/l
RT: 15.389 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN077215.D
Acq: 27 Mar 2023 21:04

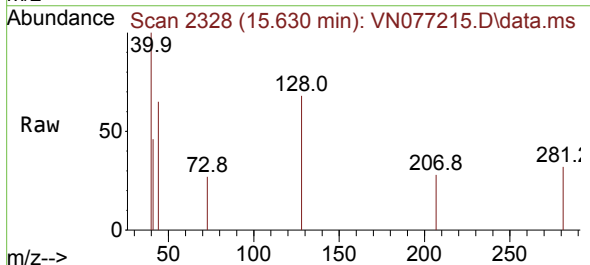
Instrument :
MSVOA_N
ClientSampleId :
PB151668ZHE#06



Tgt Ion:180 Resp: 179
Ion Ratio Lower Upper
180 100
182 38.5 47.4 142.2#
145 0.0 15.8 47.3#



#95
Naphthalene
Concen: 5.938 ug/l
RT: 15.630 min Scan# 2328
Delta R.T. -0.012 min
Lab File: VN077215.D
Acq: 27 Mar 2023 21:04



Tgt Ion:128 Resp: 414
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.9 13.3#

