

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041123\
 Data File : VN077297.D
 Acq On : 11 Apr 2023 12:11
 Operator : JC\MD
 Sample : PB151999ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB151999ZHE#01

Quant Time: Apr 12 04:39:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

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

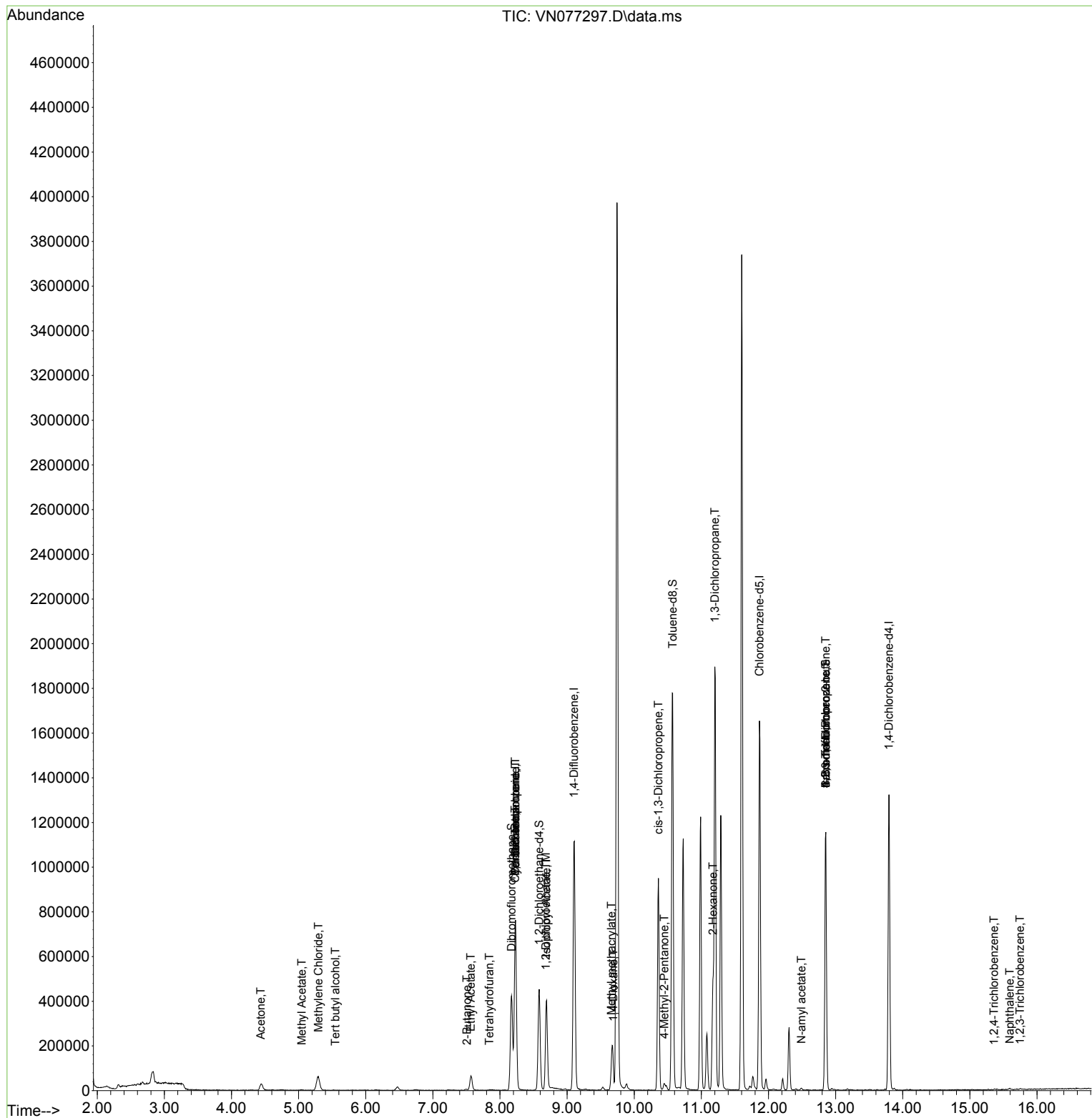
Internal Standards						
1) Pentafluorobenzene	8.231	168	545158	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	1042120	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	970233	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	349943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	346932	46.563	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.120%		
35) Dibromofluoromethane	8.172	113	308140	46.189	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.380%		
50) Toluene-d8	10.572	98	1303401	48.532	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.060%		
62) 4-Bromofluorobenzene	12.854	95	409947	45.896	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.800%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.549	59	813	0.535	ug/l #	93
16) Acetone	4.437	43	55716	20.281	ug/l	95
18) Methyl Acetate	5.049	43	5284	0.505	ug/l #	78
20) Methylene Chloride	5.296	84	54728	7.054	ug/l	97
25) 2-Butanone	7.507	43	7245	1.625	ug/l #	68
29) Tetrahydrofuran	7.842	42	2426	0.846	ug/l #	55
31) Cyclohexane	8.225	56	13991	1.208	ug/l #	41
36) 1,1-Dichloropropene	8.231	75	49386	5.005	ug/l #	49
37) Ethyl Acetate	7.566	43	92361	10.462	ug/l	95
38) Carbon Tetrachloride	8.231	117	58120	5.749	ug/l #	14
42) 1,2-Dichloroethane	8.684	62	3440	0.363	ug/l #	73
43) Isopropyl Acetate	8.689	43	445567	27.352	ug/l #	92
48) Methyl methacrylate	9.660	41	10530	1.515	ug/l #	39
49) 1,4-Dioxane	9.689	88	75	0.445	ug/l #	28
51) 4-Methyl-2-Pentanone	10.448	43	20071	2.132	ug/l	99
54) cis-1,3-Dichloropropene	10.360	75	193141	15.170	ug/l #	61
57) 1,3-Dichloropropane	11.201	76	21427	1.640	ug/l #	43
59) 2-Hexanone	11.172	43	363603	51.833	ug/l #	20
71) Bromoform	12.854	173	1868	0.328	ug/l #	1
74) N-amyl acetate	12.489	43	5084	0.395	ug/l #	50
76) 1,2,3-Trichloropropane	12.854	75	219170	26.301	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	219170	59.186	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.360	180	1005	0.218	ug/l	92
95) Naphthalene	15.595	128	5763	0.332	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.748	180	1002	0.227	ug/l #	88

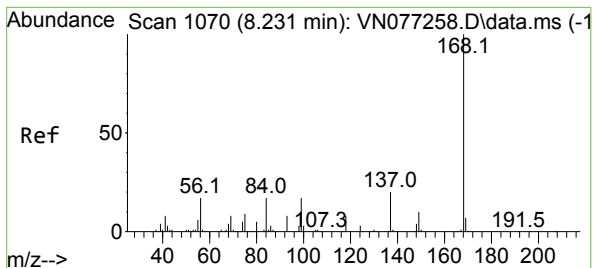
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041123\
Data File : VN077297.D
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Quant Title : SW846 8260
QLast Update : Thu Apr 06 08:27:03 2023
Response via : Initial Calibration

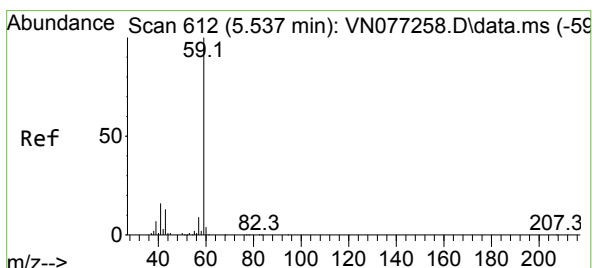
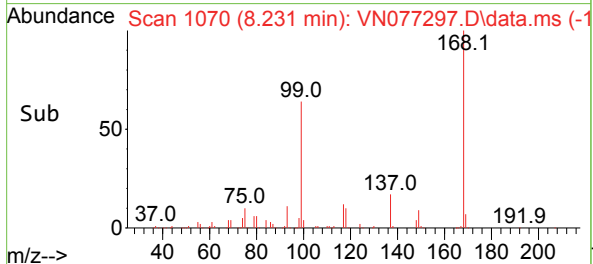
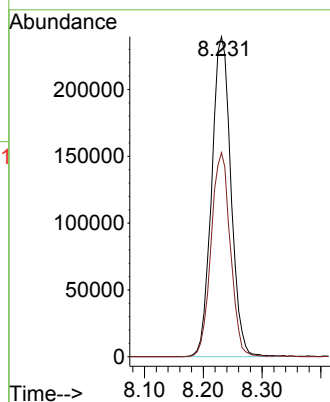
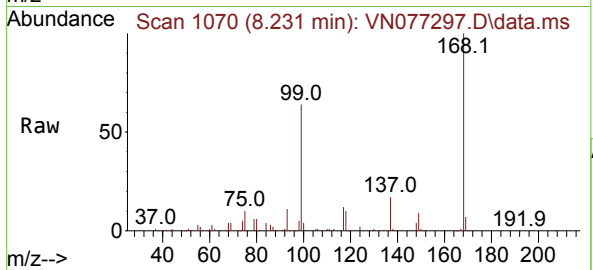




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077297.D
Acq: 11 Apr 2023 12:11

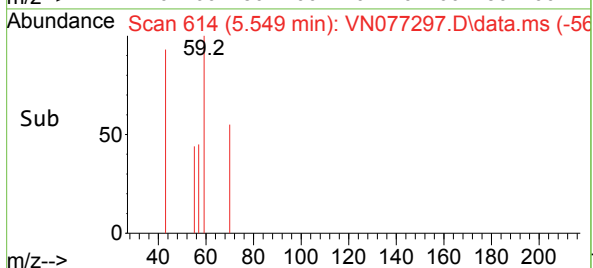
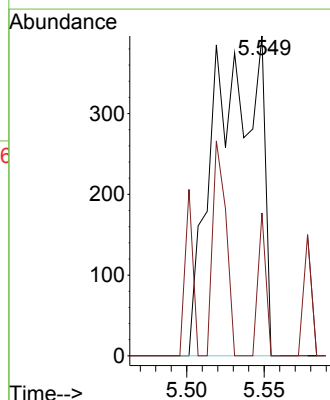
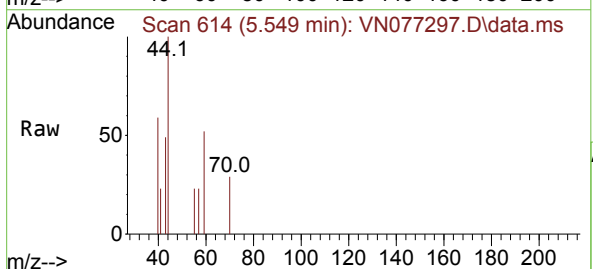
Instrument :
MSVOA_N
ClientSampleId :
PB151999ZHE#01

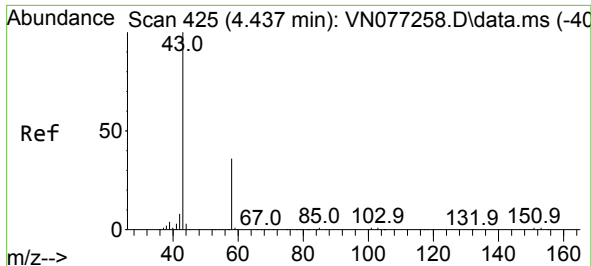
Tgt Ion:168 Resp: 545158
Ion Ratio Lower Upper
168 100
99 63.8 50.6 75.8



#11
Tert butyl alcohol
Concen: 0.535 ug/l
RT: 5.549 min Scan# 614
Delta R.T. 0.012 min
Lab File: VN077297.D
Acq: 11 Apr 2023 12:11

Tgt Ion: 59 Resp: 813
Ion Ratio Lower Upper
59 100
57 7.6 8.3 12.5#

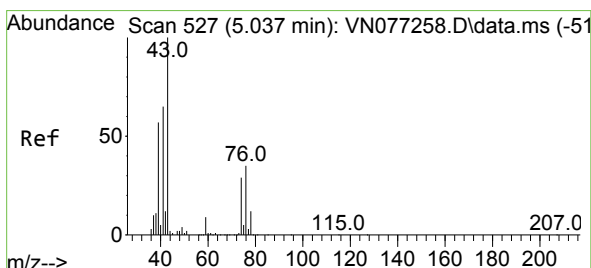
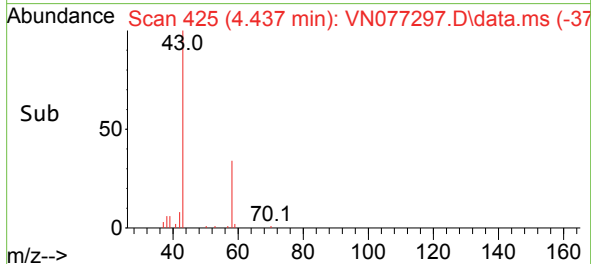
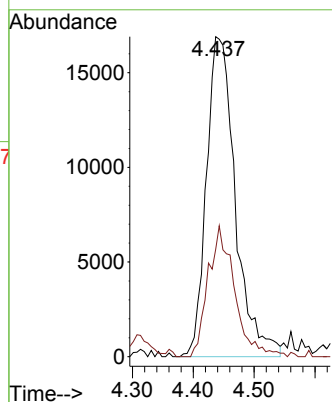
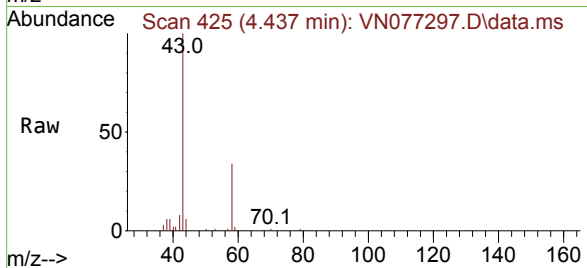




#16
Acetone
Concen: 20.281 ug/l
RT: 4.437 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN077297.D
Acq: 11 Apr 2023 12:11

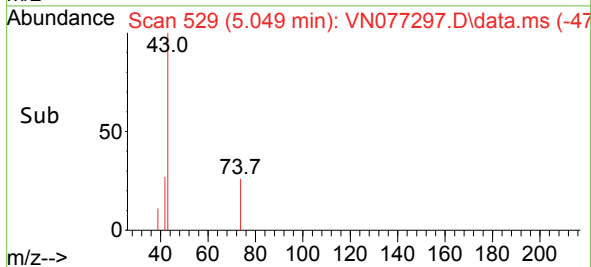
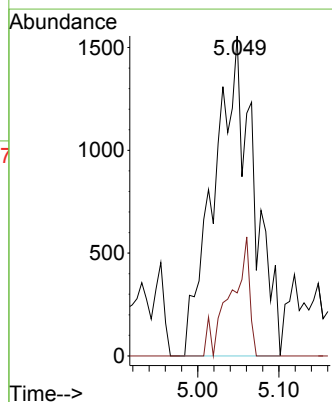
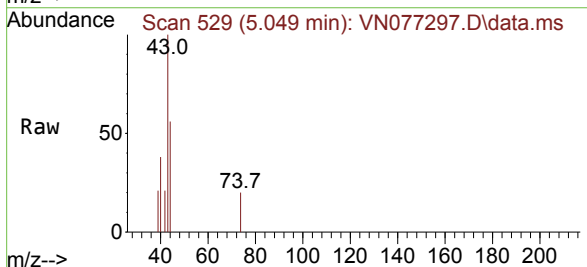
Instrument :
MSVOA_N
ClientSampleId :
PB151999ZHE#01

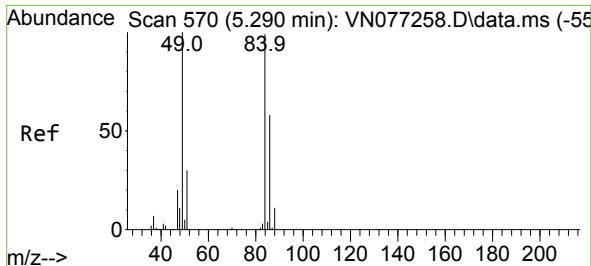
Tgt Ion: 43 Resp: 55716
Ion Ratio Lower Upper
43 100
58 33.6 29.0 43.6



#18
Methyl Acetate
Concen: 0.505 ug/l
RT: 5.049 min Scan# 529
Delta R.T. 0.012 min
Lab File: VN077297.D
Acq: 11 Apr 2023 12:11

Tgt Ion: 43 Resp: 5284
Ion Ratio Lower Upper
43 100
74 17.8 23.4 35.2#

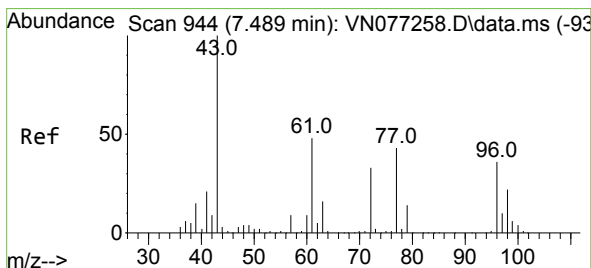
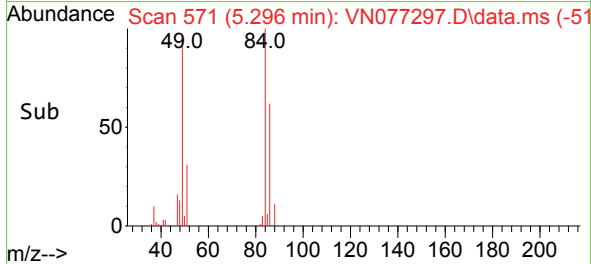
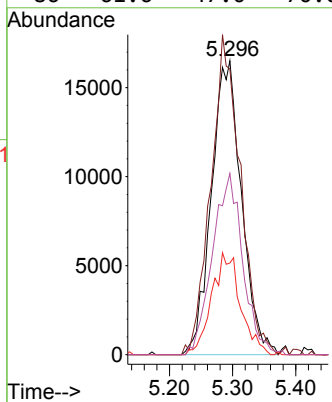
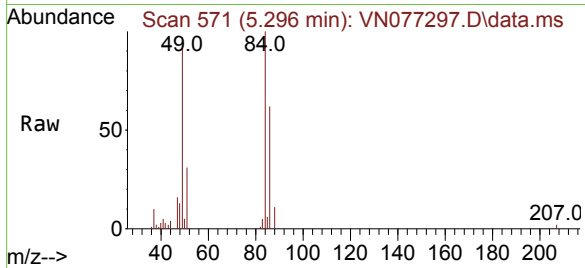




#20
Methylene Chloride
Concen: 7.054 ug/l
RT: 5.296 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN077297.D
Acq: 11 Apr 2023 12:11

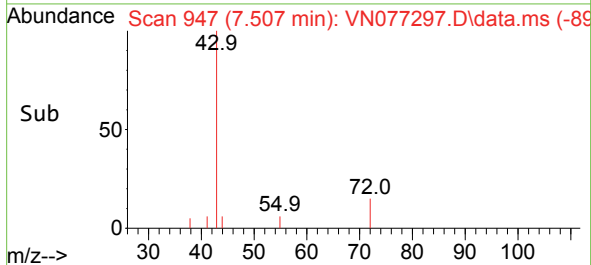
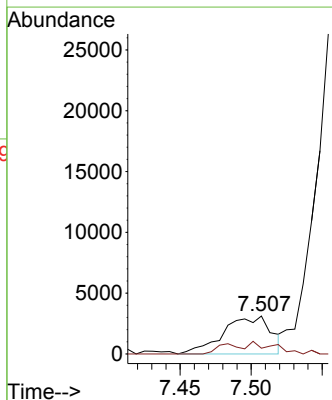
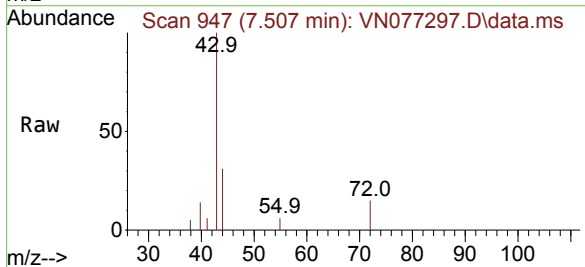
Instrument :
MSVOA_N
ClientSampleId :
PB151999ZHE#01

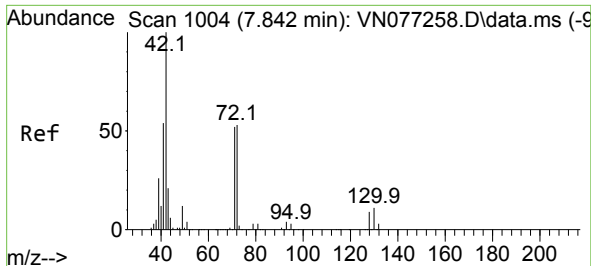
Tgt Ion: 84 Resp: 54728
Ion Ratio Lower Upper
84 100
49 97.2 80.6 121.0
51 31.2 24.4 36.6
86 61.6 47.0 70.6



#25
2-Butanone
Concen: 1.625 ug/l
RT: 7.507 min Scan# 947
Delta R.T. 0.018 min
Lab File: VN077297.D
Acq: 11 Apr 2023 12:11

Tgt Ion: 43 Resp: 7245
Ion Ratio Lower Upper
43 100
72 15.2 26.6 39.8#





#29

Tetrahydrofuran

Concen: 0.846 ug/l

RT: 7.842 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VN077297.D

Acq: 11 Apr 2023 12:11

Instrument :

MSVOA_N

ClientSampleId :

PB151999ZHE#01

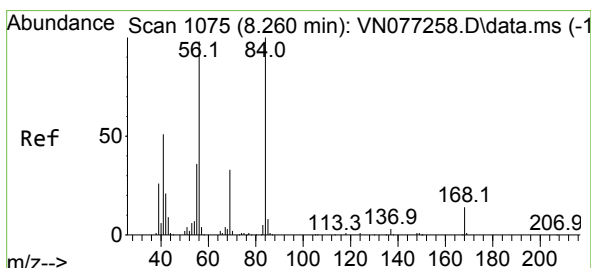
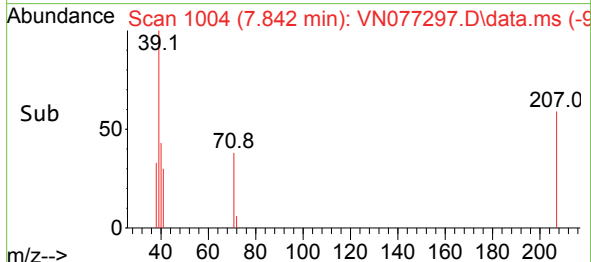
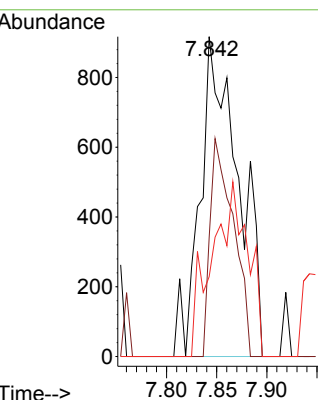
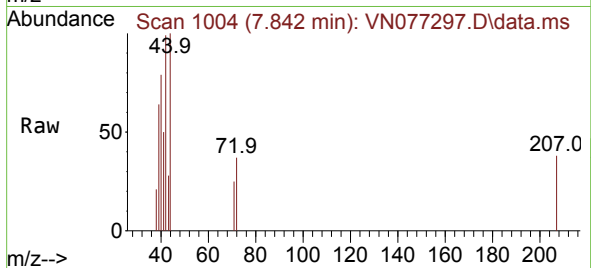
Tgt Ion: 42 Resp: 2426

Ion Ratio Lower Upper

42 100

72 41.9 44.6 66.8#

71 0.0 41.3 61.9#



#31

Cyclohexane

Concen: 1.208 ug/l

RT: 8.225 min Scan# 1069

Delta R.T. -0.035 min

Lab File: VN077297.D

Acq: 11 Apr 2023 12:11

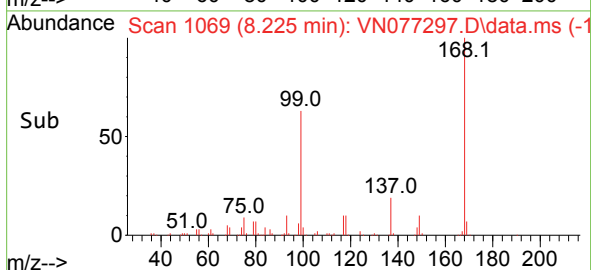
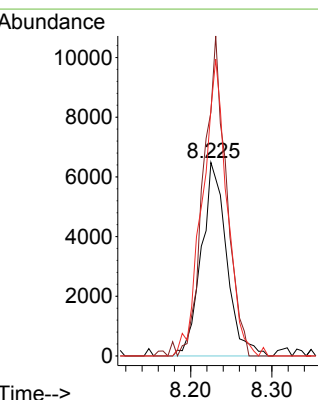
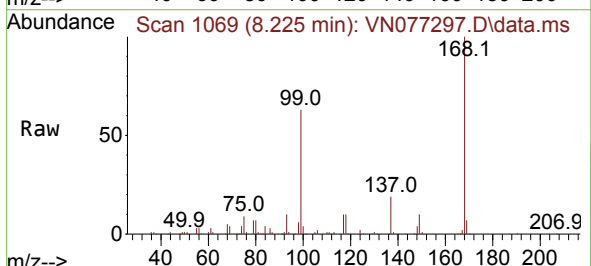
Tgt Ion: 56 Resp: 13991

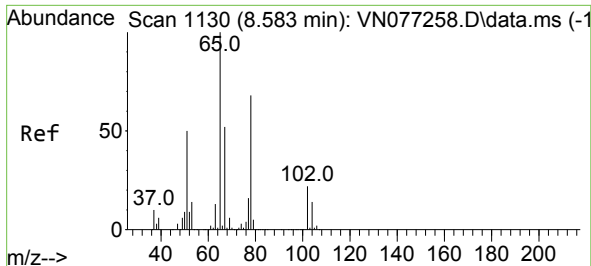
Ion Ratio Lower Upper

56 100

69 126.1 26.6 40.0#

84 127.6 81.8 122.8#

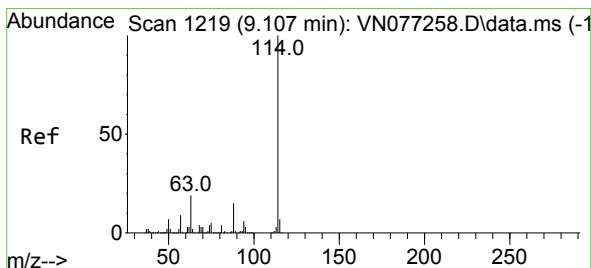
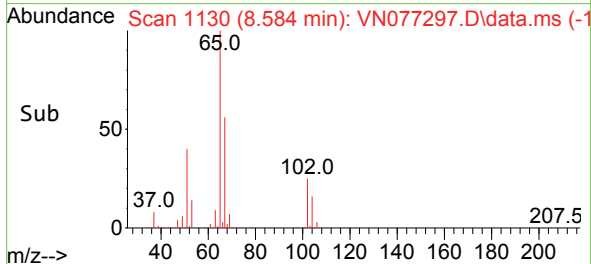
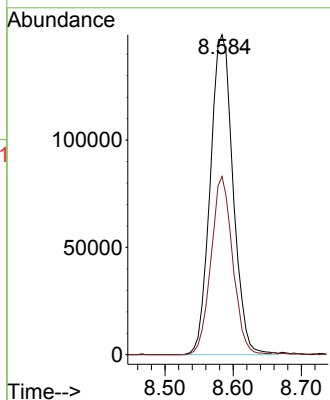
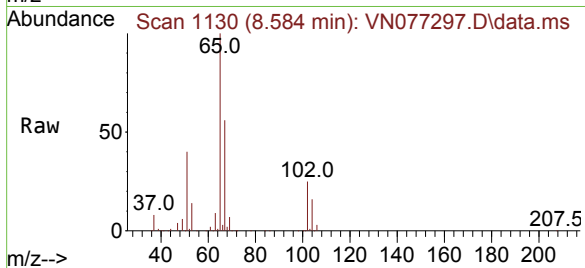




#33
1,2-Dichloroethane-d4
Concen: 46.563 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN077297.D
Acq: 11 Apr 2023 12:11

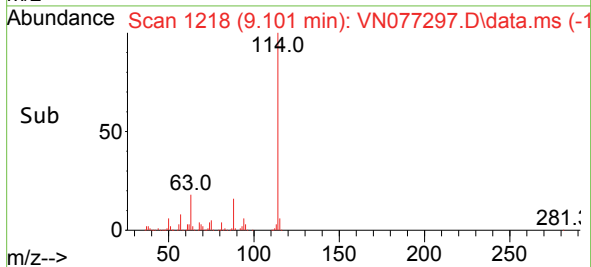
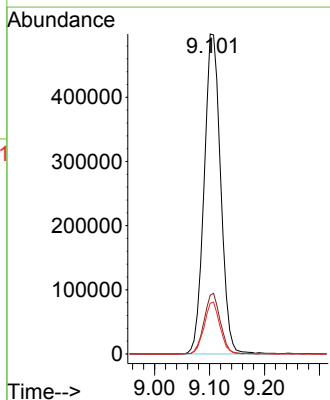
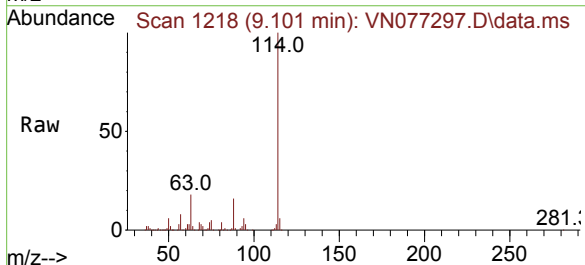
Instrument :
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ClientSampleId :
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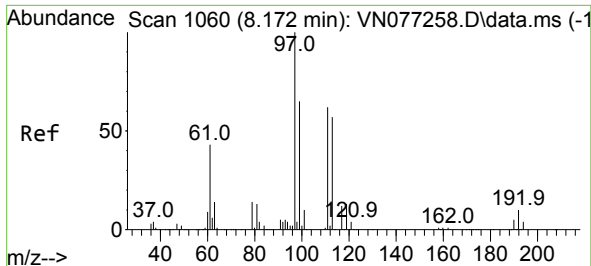
Tgt Ion: 65 Resp: 346932
Ion Ratio Lower Upper
65 100
67 52.9 0.0 108.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.101 min Scan# 1218
Delta R.T. -0.006 min
Lab File: VN077297.D
Acq: 11 Apr 2023 12:11

Tgt Ion: 114 Resp: 1042120
Ion Ratio Lower Upper
114 100
63 18.4 0.0 37.8
88 15.8 0.0 29.4

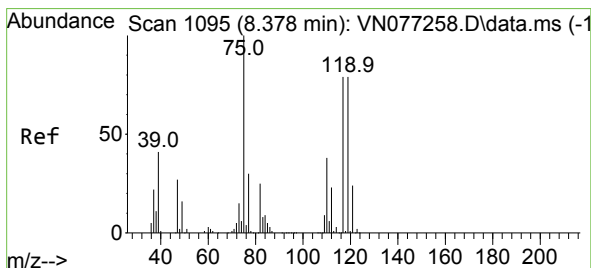
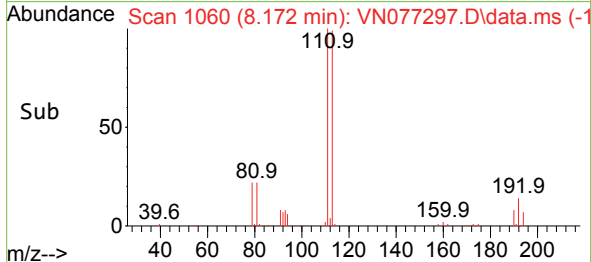
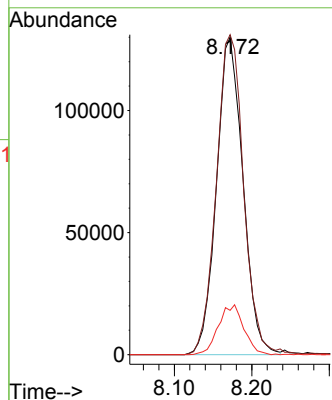
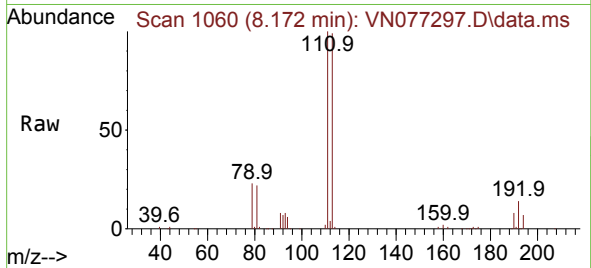




#35
Dibromofluoromethane
Concen: 46.189 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077297.D
Acq: 11 Apr 2023 12:11

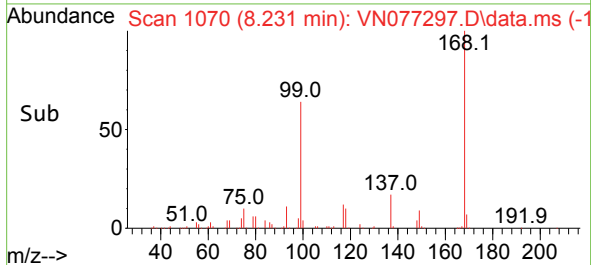
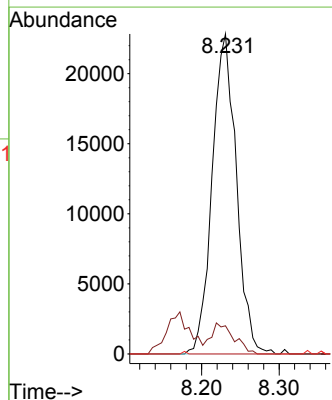
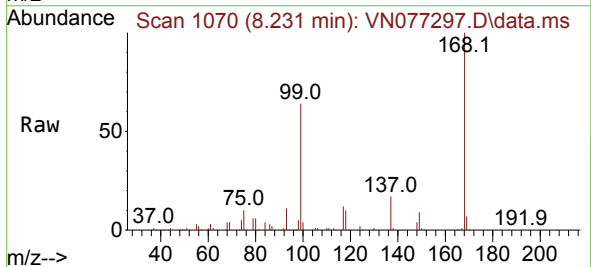
Instrument :
MSVOA_N
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PB151999ZHE#01

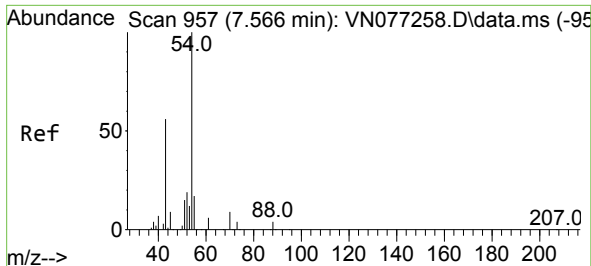
Tgt Ion:113 Resp: 308140
Ion Ratio Lower Upper
113 100
111 104.2 83.4 125.0
192 15.2 13.5 20.3



#36
1,1-Dichloropropene
Concen: 5.005 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077297.D
Acq: 11 Apr 2023 12:11

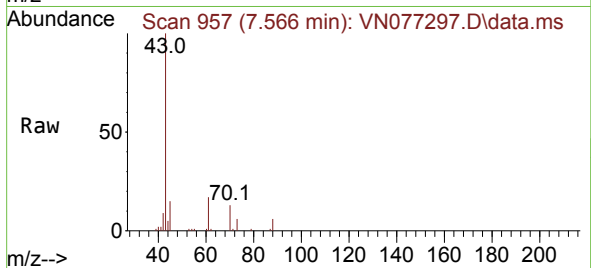
Tgt Ion: 75 Resp: 49386
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.0 25.0 37.4#



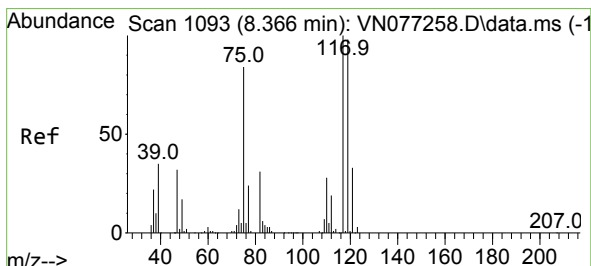
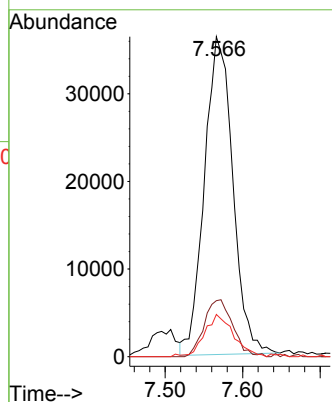
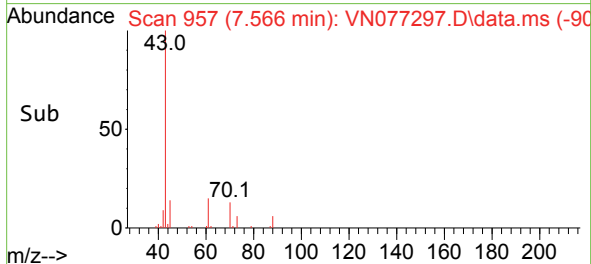


#37
Ethyl Acetate
Concen: 10.462 ug/l
RT: 7.566 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN077297.D
Acq: 11 Apr 2023 12:11

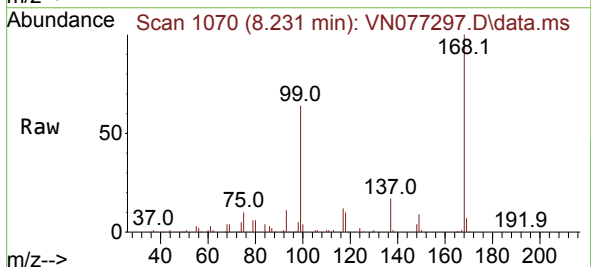
Instrument :
MSVOA_N
ClientSampleId :
PB151999ZHE#01



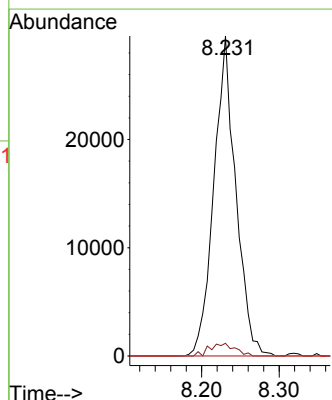
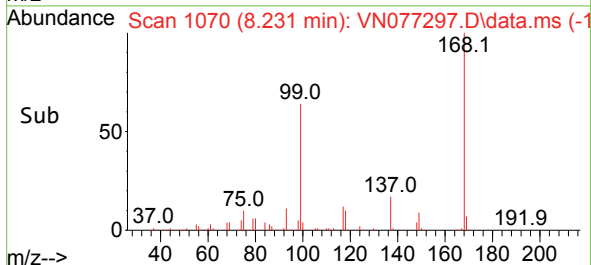
Tgt Ion: 43 Resp: 92361
Ion Ratio Lower Upper
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61 18.0 12.2 18.2
70 13.6 10.0 15.0

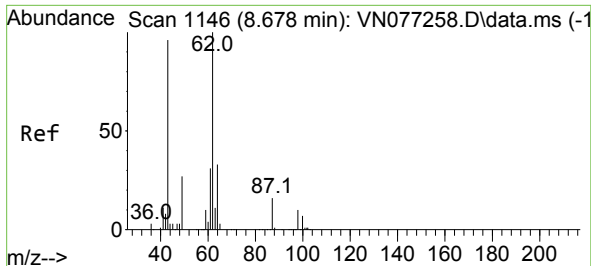


#38
Carbon Tetrachloride
Concen: 5.749 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.135 min
Lab File: VN077297.D
Acq: 11 Apr 2023 12:11



Tgt Ion: 117 Resp: 58120
Ion Ratio Lower Upper
117 100
119 4.0 78.5 117.7#
121 0.0 26.6 40.0#





#42

1,2-Dichloroethane

Concen: 0.363 ug/l

RT: 8.684 min Scan# 1147

Delta R.T. 0.006 min

Lab File: VN077297.D

Acq: 11 Apr 2023 12:11

Instrument :

MSVOA_N

ClientSampleId :

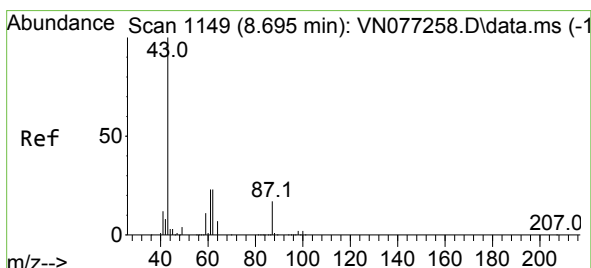
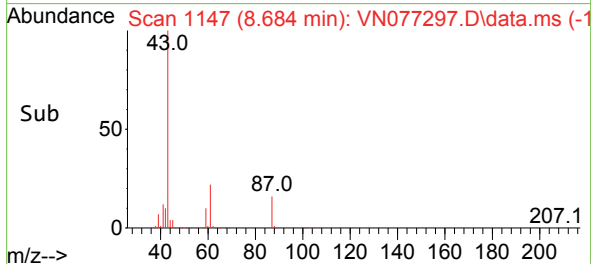
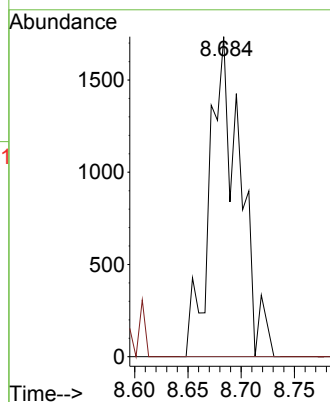
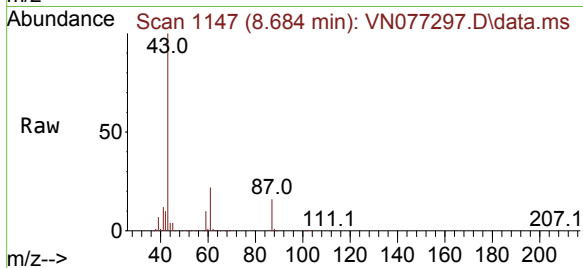
PB151999ZHE#01

Tgt Ion: 62 Resp: 3440

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#43

Isopropyl Acetate

Concen: 27.352 ug/l

RT: 8.689 min Scan# 1148

Delta R.T. -0.006 min

Lab File: VN077297.D

Acq: 11 Apr 2023 12:11

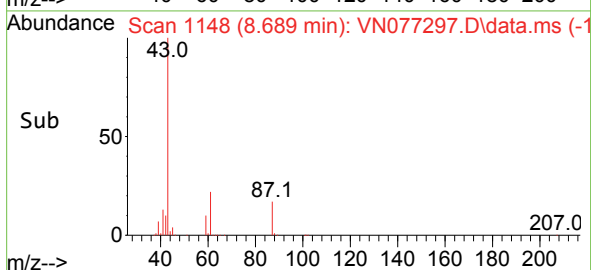
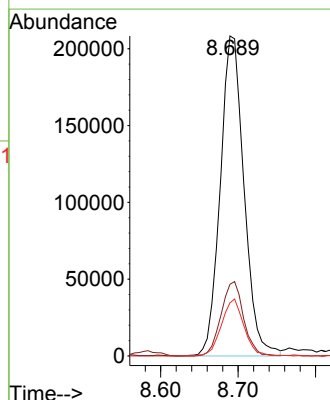
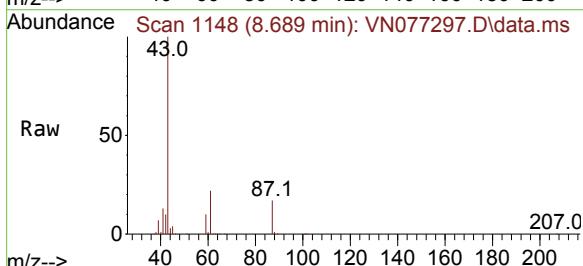
Tgt Ion: 43 Resp: 445567

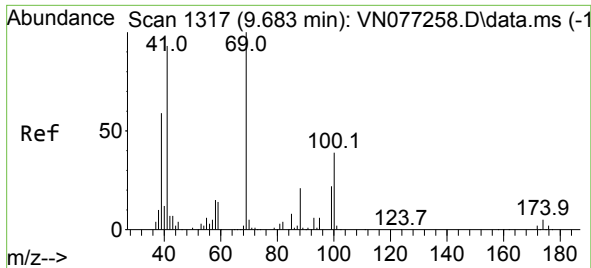
Ion Ratio Lower Upper

43 100

61 22.0 22.7 34.1#

87 16.8 13.6 20.4

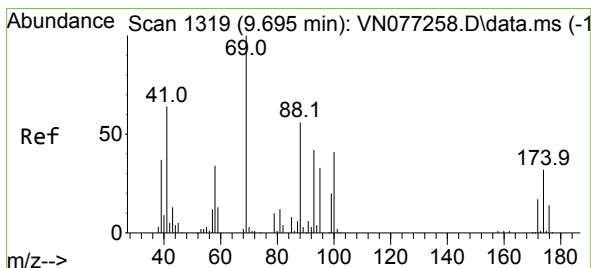
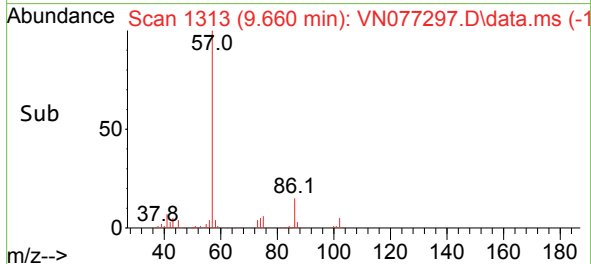
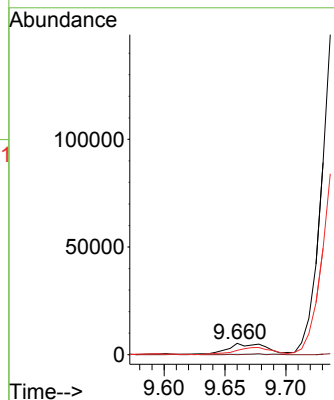
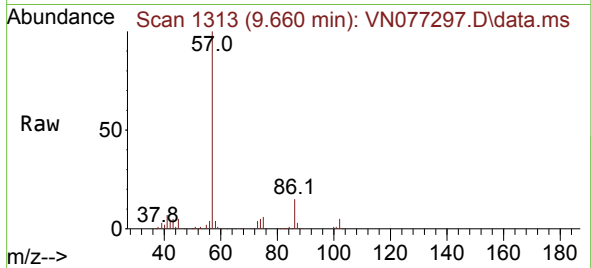




#48
Methyl methacrylate
Concen: 1.515 ug/l
RT: 9.660 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN077297.D
Acq: 11 Apr 2023 12:11

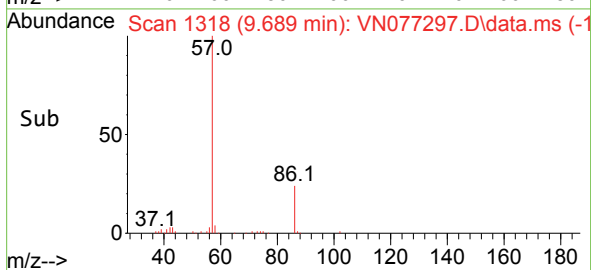
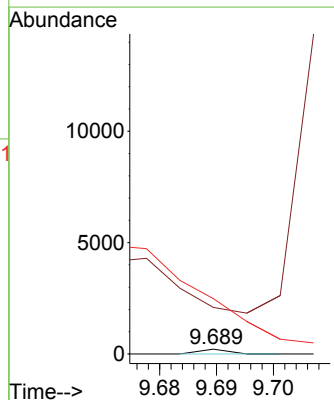
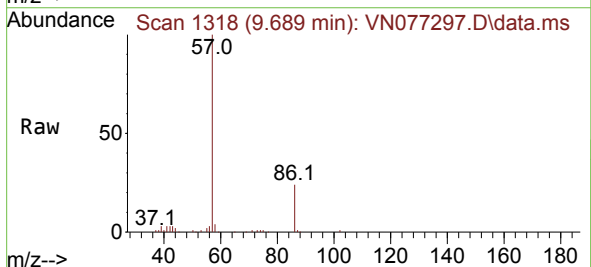
Instrument :
MSVOA_N
ClientSampleId :
PB151999ZHE#01

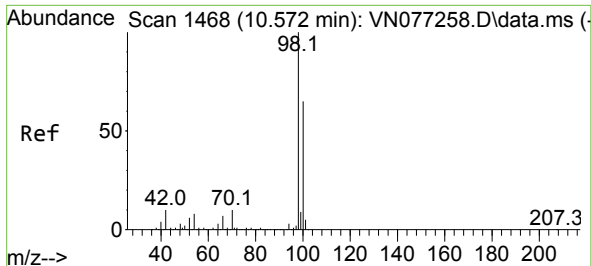
Tgt Ion: 41 Resp: 10530
Ion Ratio Lower Upper
41 100
69 4.6 85.0 127.6#
39 67.6 53.5 80.3



#49
1,4-Dioxane
Concen: 0.445 ug/l
RT: 9.689 min Scan# 1318
Delta R.T. -0.006 min
Lab File: VN077297.D
Acq: 11 Apr 2023 12:11

Tgt Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 49.8 74.6#

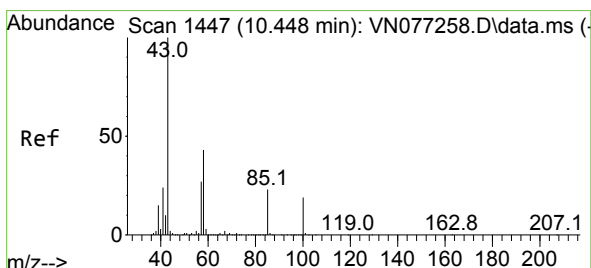
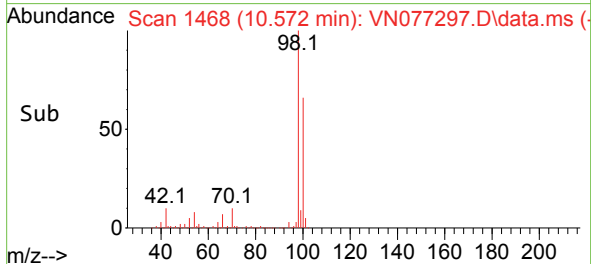
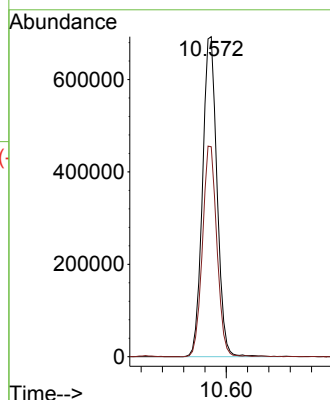
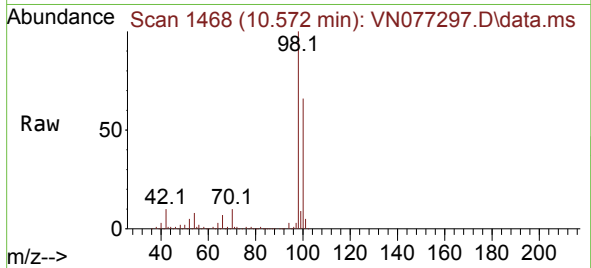




#50
Toluene-d8
Concen: 48.532 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077297.D
Acq: 11 Apr 2023 12:11

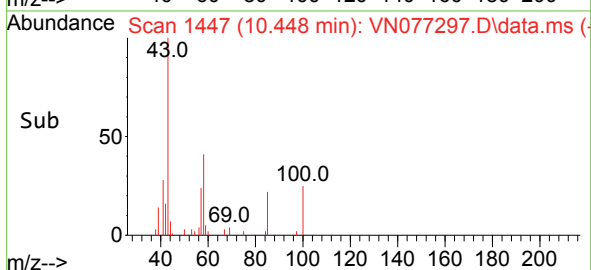
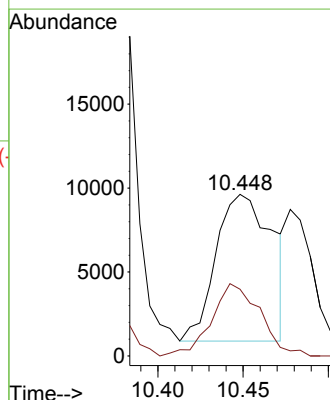
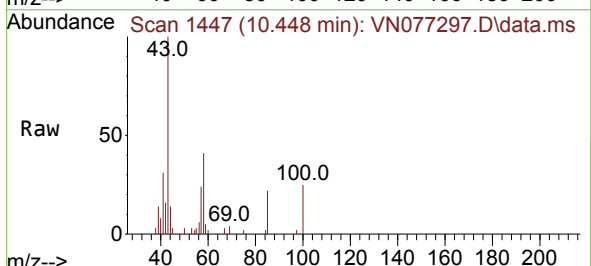
Instrument :
MSVOA_N
ClientSampleId :
PB151999ZHE#01

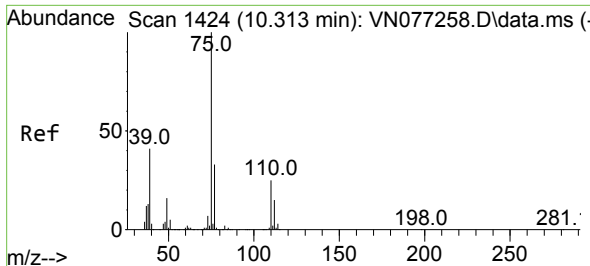
Tgt Ion: 98 Resp: 1303401
Ion Ratio Lower Upper
98 100
100 65.5 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 2.132 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077297.D
Acq: 11 Apr 2023 12:11

Tgt Ion: 43 Resp: 20071
Ion Ratio Lower Upper
43 100
58 42.4 34.6 52.0

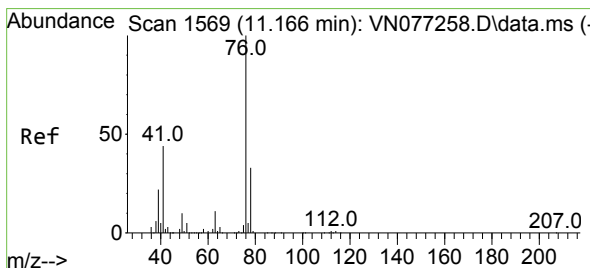
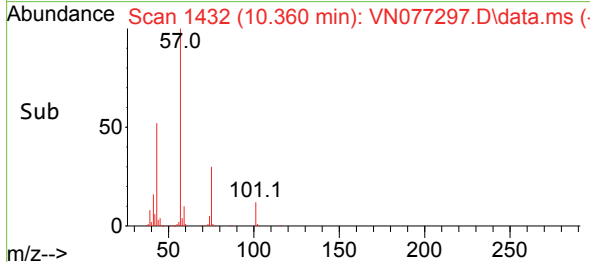
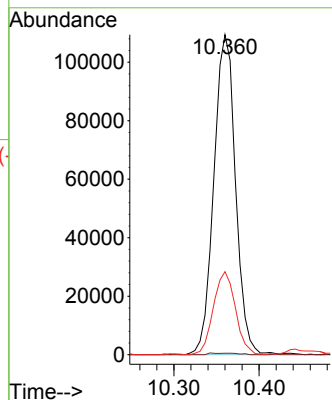
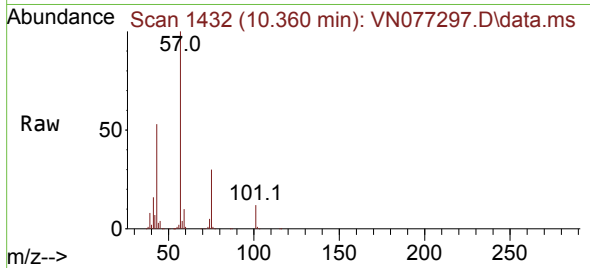




#54
 cis-1,3-Dichloropropene
 Concen: 15.170 ug/l
 RT: 10.360 min Scan# 1424
 Delta R.T. 0.047 min
 Lab File: VN077297.D
 Acq: 11 Apr 2023 12:11

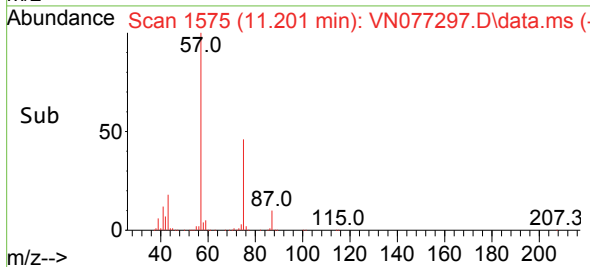
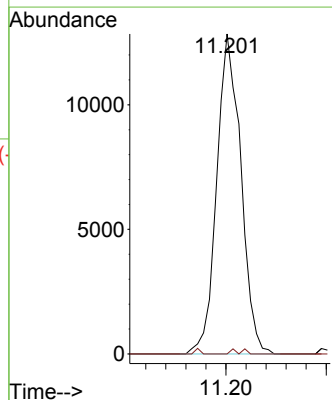
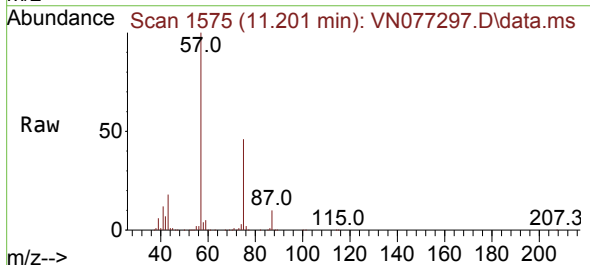
Instrument :
 MSVOA_N
 ClientSampleId :
 PB151999ZHE#01

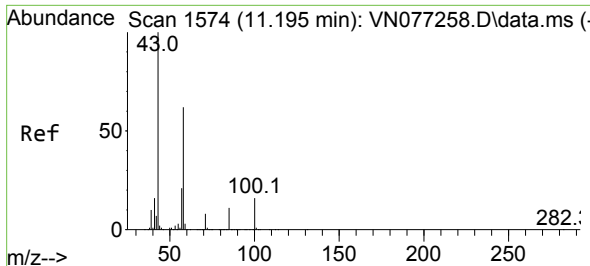
Tgt Ion: 75 Resp: 193141
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.7 40.1#
 39 25.7 32.8 49.2#



#57
 1,3-Dichloropropane
 Concen: 1.640 ug/l
 RT: 11.201 min Scan# 1575
 Delta R.T. 0.035 min
 Lab File: VN077297.D
 Acq: 11 Apr 2023 12:11

Tgt Ion: 76 Resp: 21427
 Ion Ratio Lower Upper
 76 100
 78 0.7 26.2 39.4#

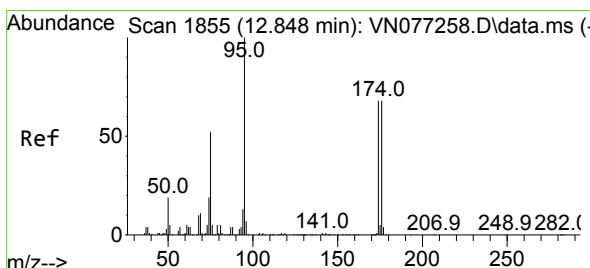
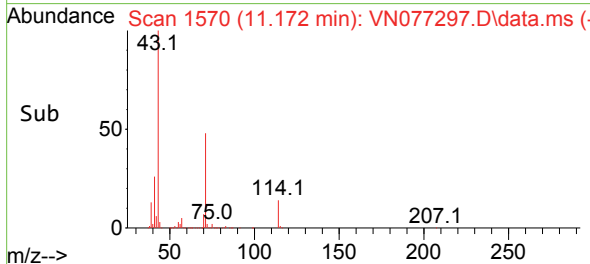
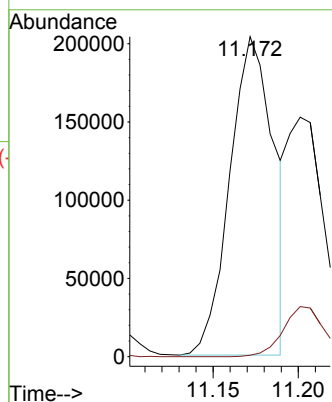
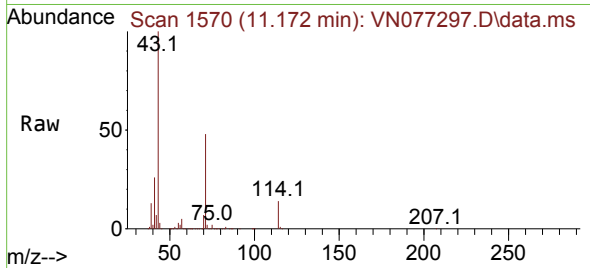




#59
2-Hexanone
Concen: 51.833 ug/l
RT: 11.172 min Scan# 11170
Delta R.T. -0.023 min
Lab File: VN077297.D
Acq: 11 Apr 2023 12:11

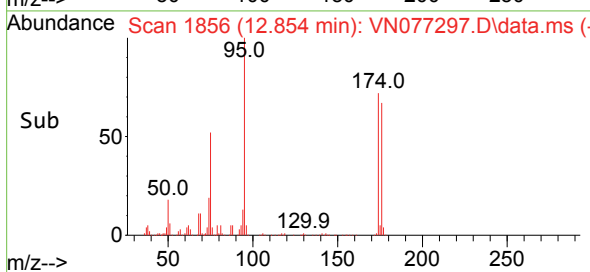
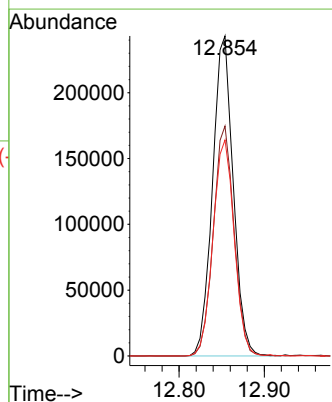
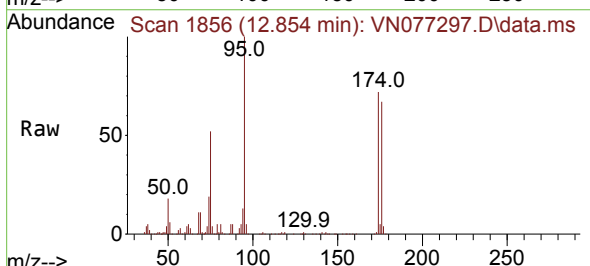
Instrument :
MSVOA_N
ClientSampleId :
PB151999ZHE#01

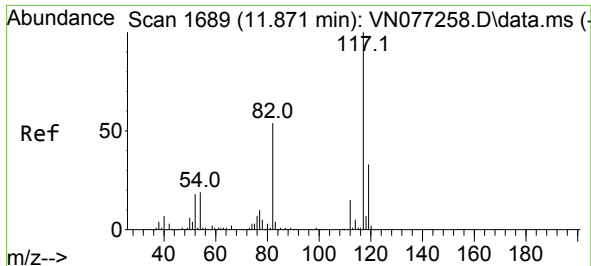
Tgt Ion: 43 Resp: 363603
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 45.896 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077297.D
Acq: 11 Apr 2023 12:11

Tgt Ion: 95 Resp: 409947
Ion Ratio Lower Upper
95 100
174 72.0 0.0 146.8
176 69.4 0.0 139.6

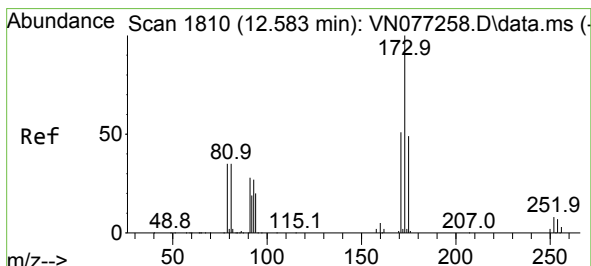
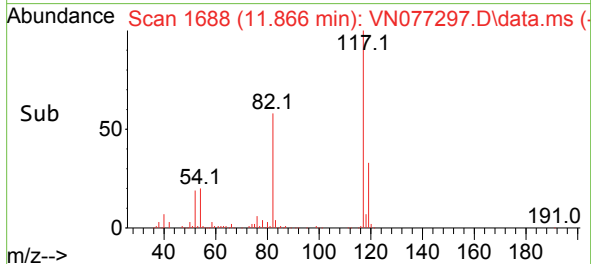
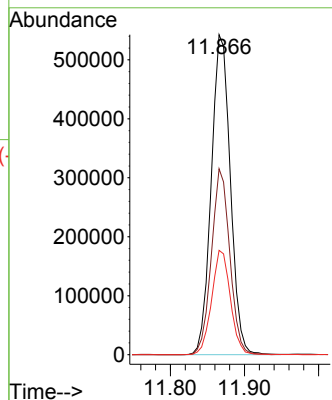
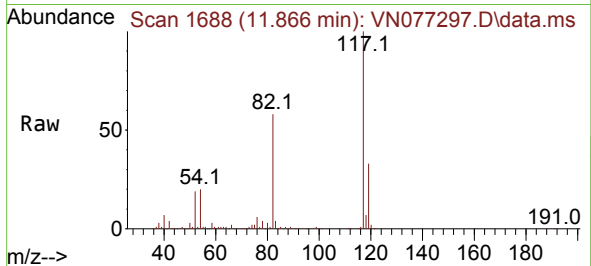




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.005 min
Lab File: VN077297.D
Acq: 11 Apr 2023 12:11

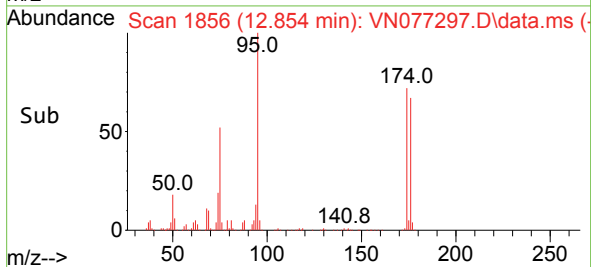
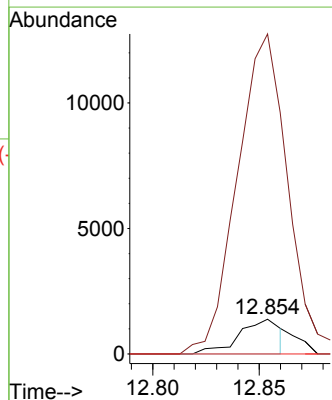
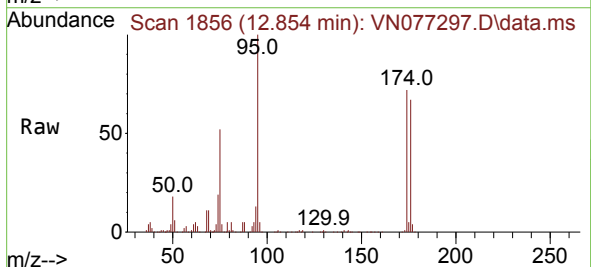
Instrument :
MSVOA_N
ClientSampleId :
PB151999ZHE#01

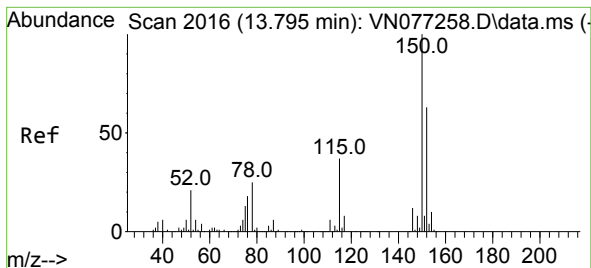
Tgt Ion:117 Resp: 970233
Ion Ratio Lower Upper
117 100
82 58.1 42.9 64.3
119 32.6 26.2 39.4



#71
Bromoform
Concen: 0.328 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN077297.D
Acq: 11 Apr 2023 12:11

Tgt Ion:173 Resp: 1868
Ion Ratio Lower Upper
173 100
175 957.7 24.1 72.4#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN077297.D

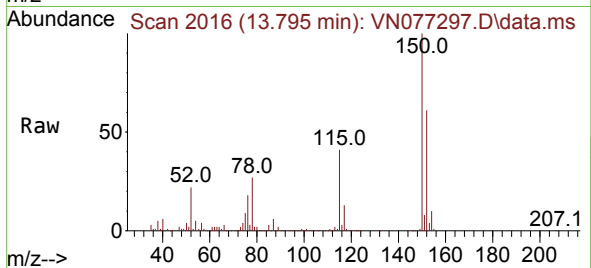
Acq: 11 Apr 2023 12:11

Instrument :

MSVOA_N

ClientSampleId :

PB151999ZHE#01



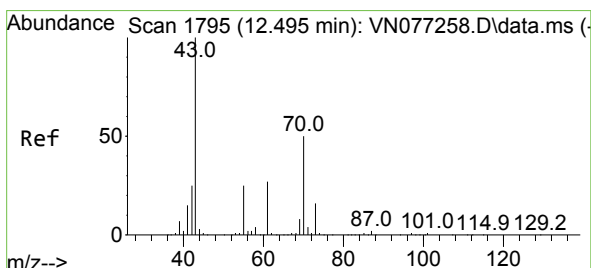
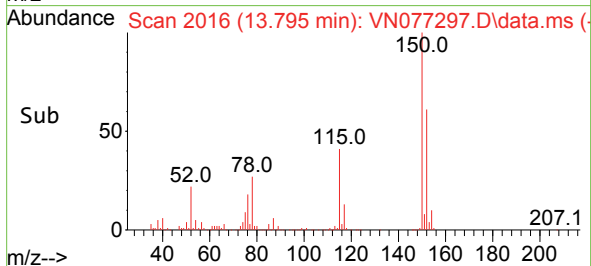
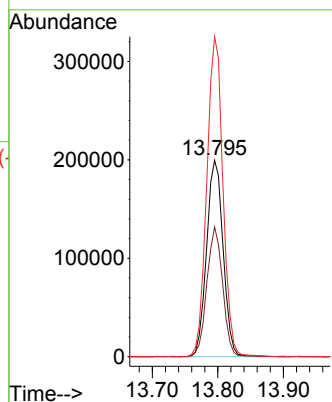
Tgt Ion:152 Resp: 349943

Ion Ratio Lower Upper

152 100

115 63.1 32.1 96.3

150 159.3 0.0 354.8



#74

N-ethyl acetate

Concen: 0.395 ug/l

RT: 12.489 min Scan# 1794

Delta R.T. -0.006 min

Lab File: VN077297.D

Acq: 11 Apr 2023 12:11

Tgt Ion: 43 Resp: 5084

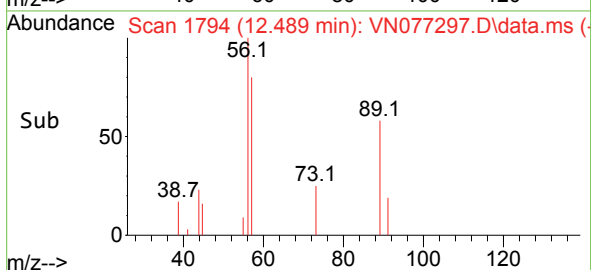
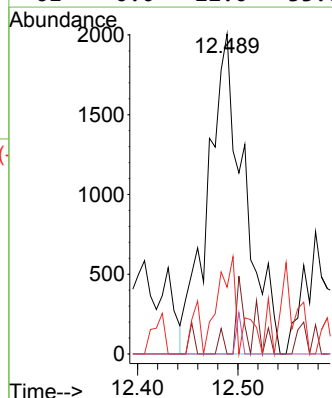
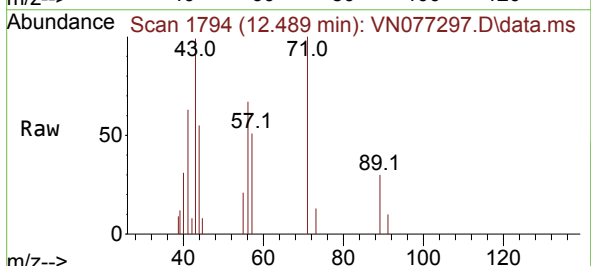
Ion Ratio Lower Upper

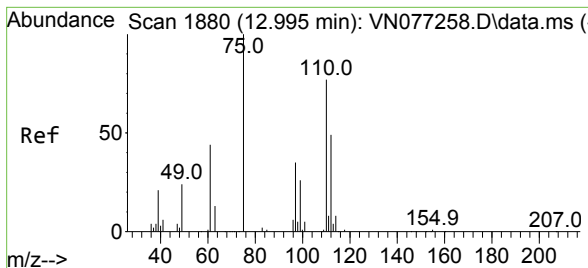
43 100

70 5.8 41.0 61.6#

55 16.9 19.3 28.9#

61 0.0 22.0 33.0#





#76

1,2,3-Trichloropropane

Concen: 26.301 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN077297.D

Acq: 11 Apr 2023 12:11

Instrument :

MSVOA_N

ClientSampleId :

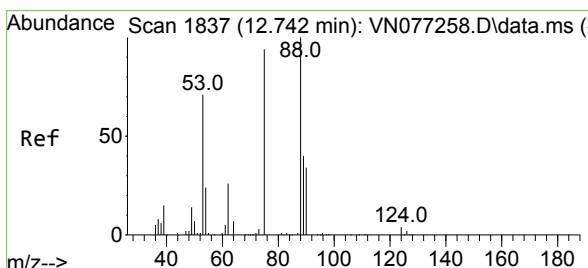
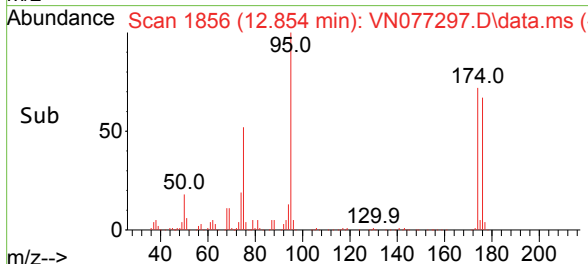
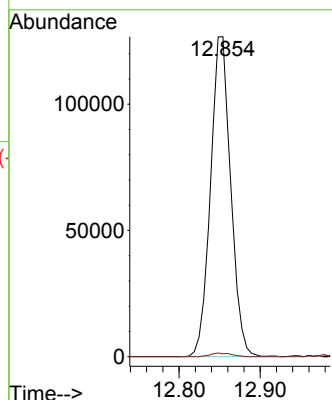
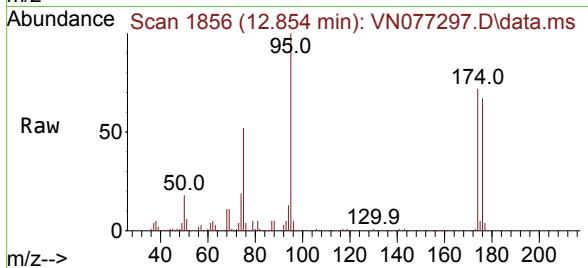
PB151999ZHE#01

Tgt Ion: 75 Resp: 219170

Ion Ratio Lower Upper

75 100

77 1.2 88.3 264.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.186 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.112 min

Lab File: VN077297.D

Acq: 11 Apr 2023 12:11

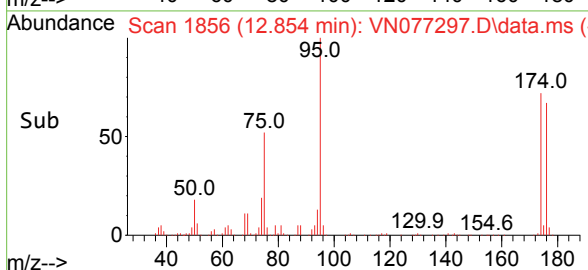
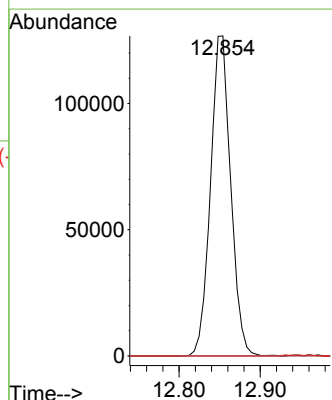
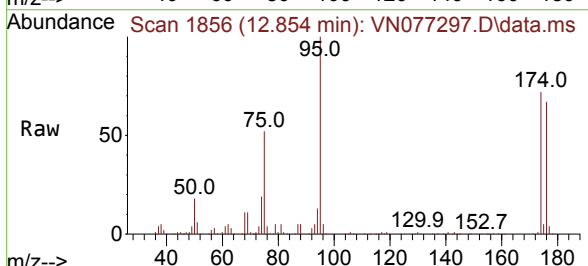
Tgt Ion: 75 Resp: 219170

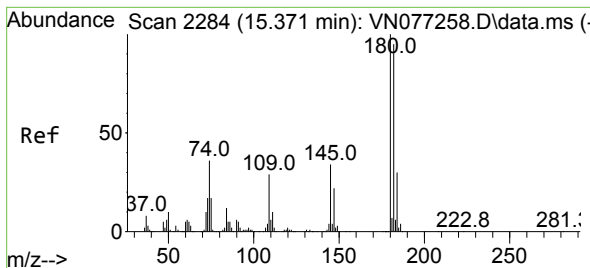
Ion Ratio Lower Upper

75 100

53 0.0 72.8 109.2#

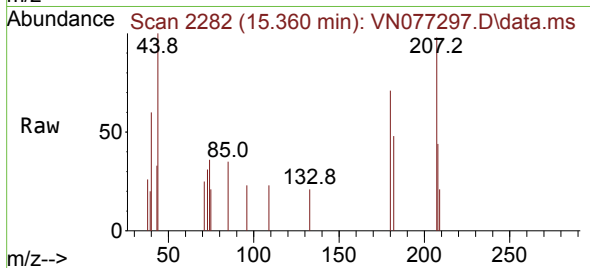
89 0.0 37.4 56.2#



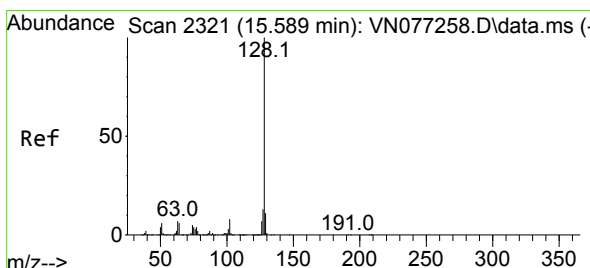
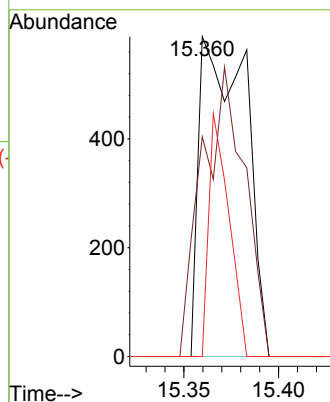
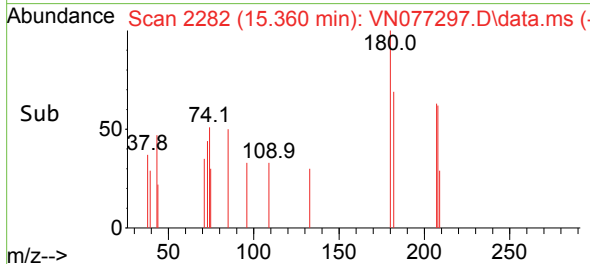


#93
1,2,4-Trichlorobenzene
Concen: 0.218 ug/l
RT: 15.360 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN077297.D
Acq: 11 Apr 2023 12:11

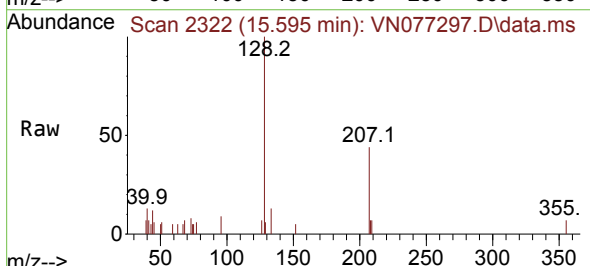
Instrument :
MSVOA_N
ClientSampleId :
PB151999ZHE#01



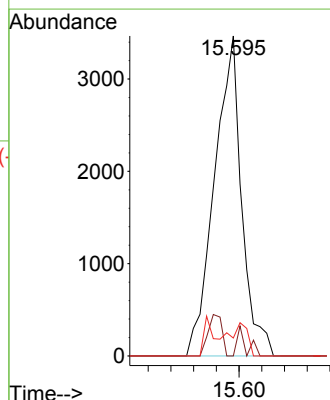
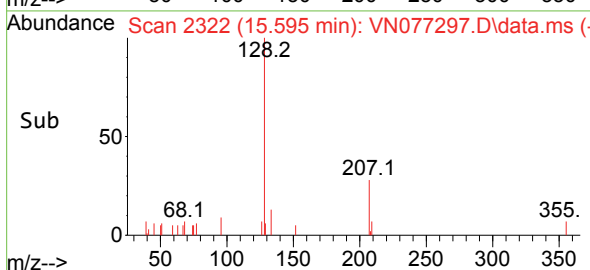
Tgt Ion:180 Resp: 1005
Ion Ratio Lower Upper
180 100
182 82.7 46.7 140.0
145 32.9 16.6 49.8

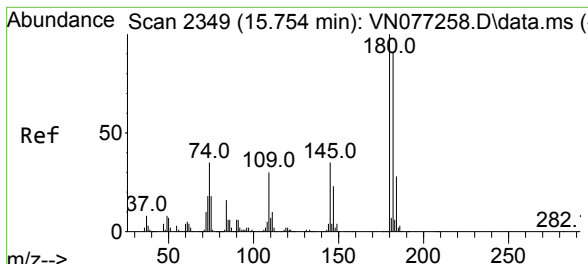


#95
Naphthalene
Concen: 0.332 ug/l
RT: 15.595 min Scan# 2322
Delta R.T. 0.006 min
Lab File: VN077297.D
Acq: 11 Apr 2023 12:11



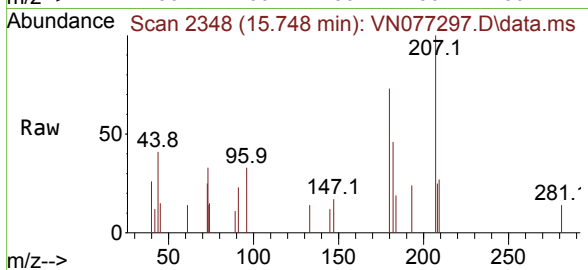
Tgt Ion:128 Resp: 5763
Ion Ratio Lower Upper
128 100
127 3.0 10.2 15.4#
129 6.8 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.227 ug/l
 RT: 15.748 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN077297.D
 Acq: 11 Apr 2023 12:11

Instrument :
 MSVOA_N
 ClientSampleId :
 PB151999ZHE#01



Tgt Ion:	180	Resp:	1002
Ion	Ratio	Lower	Upper
180	100		
182	97.6	46.9	140.8
145	15.8	17.6	52.8#

