

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041123\
 Data File : VN077298.D
 Acq On : 11 Apr 2023 12:35
 Operator : JC\MD
 Sample : PB151999ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB151999ZHE#02

Quant Time: Apr 12 04:39:53 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

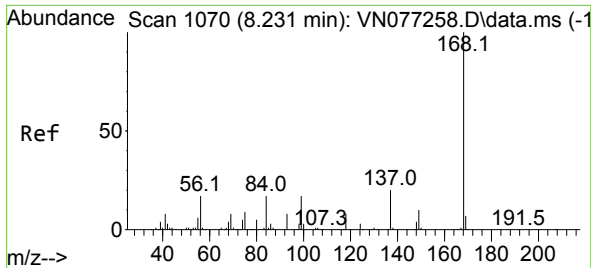
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.231	168	489286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	928808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	881473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	307176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	305376	45.665	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.340%		
35) Dibromofluoromethane	8.172	113	281592	47.359	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.720%		
50) Toluene-d8	10.572	98	1172078	48.966	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.940%		
62) 4-Bromofluorobenzene	12.848	95	362913	45.587	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.180%		
Target Compounds						Qvalue
3) Chloromethane	2.378	50	1828	0.236	ug/l #	82
11) Tert butyl alcohol	5.548	59	1379	1.011	ug/l #	72
13) Acrolein	4.190	56	663	0.513	ug/l #	66
16) Acetone	4.443	43	56726	23.007	ug/l	89
18) Methyl Acetate	5.043	43	5027	0.535	ug/l #	71
20) Methylene Chloride	5.290	84	54578	7.838	ug/l #	93
25) 2-Butanone	7.507	43	7050	1.762	ug/l #	88
29) Tetrahydrofuran	7.860	42	1609	0.625	ug/l #	75
31) Cyclohexane	8.231	56	13282	1.278	ug/l #	57
36) 1,1-Dichloropropene	8.231	75	41646	4.736	ug/l #	50
37) Ethyl Acetate	7.566	43	90603	11.515	ug/l	98
38) Carbon Tetrachloride	8.231	117	54657	6.066	ug/l #	15
42) 1,2-Dichloroethane	8.689	62	2817	0.334	ug/l #	73
43) Isopropyl Acetate	8.689	43	457080	31.482	ug/l #	91
48) Methyl methacrylate	9.672	41	9880	1.595	ug/l #	7
49) 1,4-Dioxane	9.701	88	63	0.420	ug/l #	28
51) 4-Methyl-2-Pentanone	10.448	43	17820	2.123	ug/l	99
53) t-1,3-Dichloropropene	10.730	75	3607	0.339	ug/l #	77
54) cis-1,3-Dichloropropene	10.360	75	188187	16.584	ug/l #	61
57) 1,3-Dichloropropane	11.207	76	24755	2.126	ug/l #	42
59) 2-Hexanone	11.172	43	359893	57.564	ug/l #	20
71) Bromoform	12.848	173	1283	0.248	ug/l #	1
74) N-amyl acetate	12.489	43	4045	0.358	ug/l #	43
76) 1,2,3-Trichloropropane	12.854	75	194953	26.652	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	194953	59.976	ug/l #	13

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

Quant Time: Apr 12 04:39:53 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

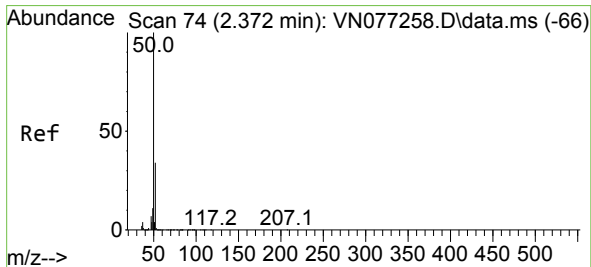
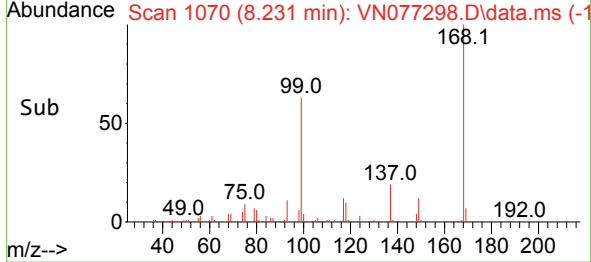
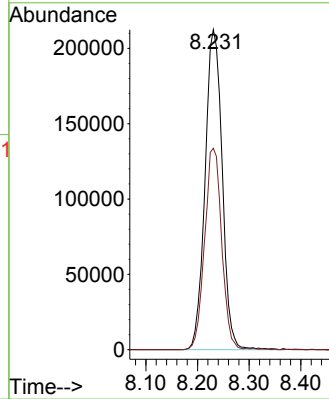
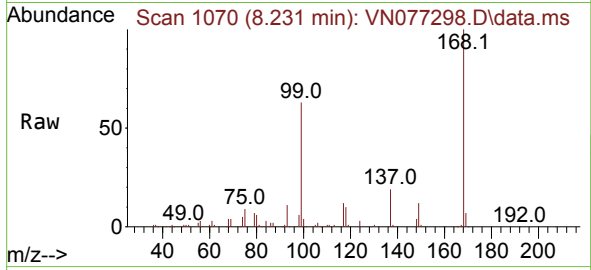




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077298.D
Acq: 11 Apr 2023 12:35

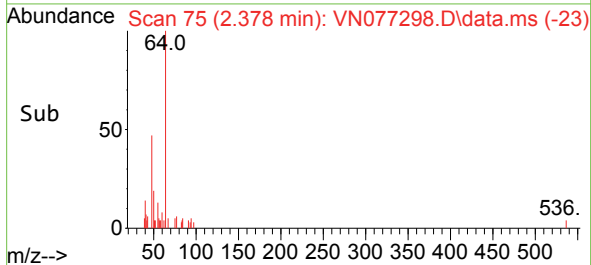
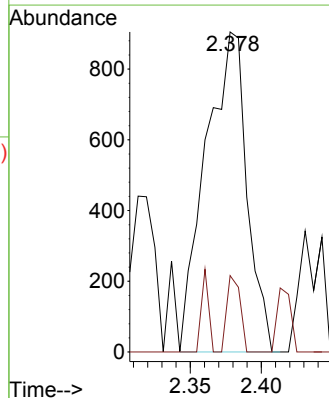
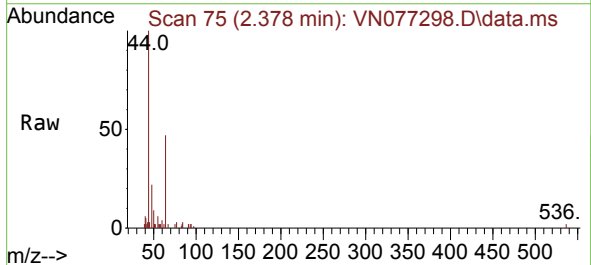
Instrument :
MSVOA_N
ClientSampleId :
PB151999ZHE#02

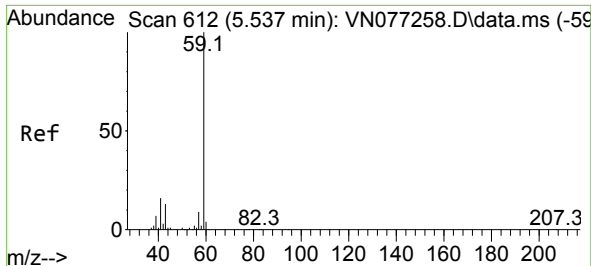
Tgt Ion:168 Resp: 489286
Ion Ratio Lower Upper
168 100
99 63.0 50.6 75.8



#3
Chloromethane
Concen: 0.236 ug/l
RT: 2.378 min Scan# 75
Delta R.T. 0.006 min
Lab File: VN077298.D
Acq: 11 Apr 2023 12:35

Tgt Ion: 50 Resp: 1828
Ion Ratio Lower Upper
50 100
52 23.9 27.3 40.9#

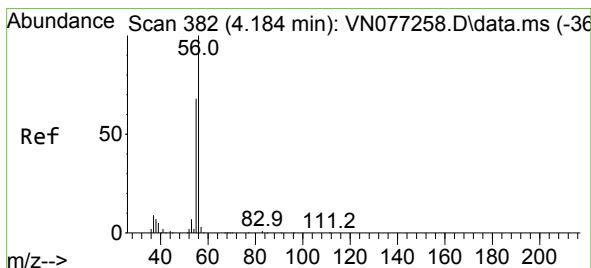
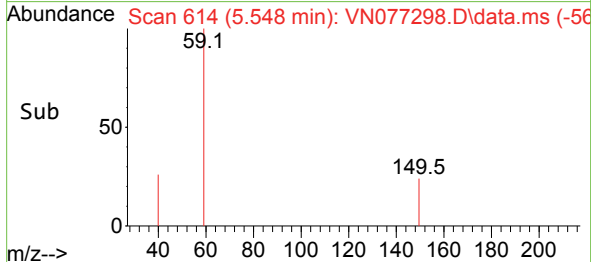
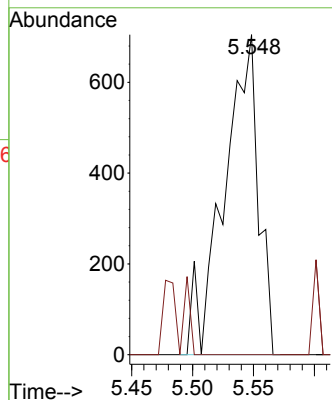
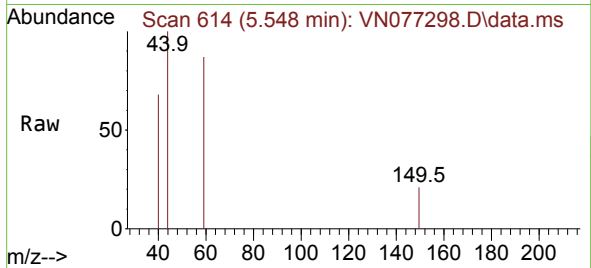




#11
Tert butyl alcohol
Concen: 1.011 ug/l
RT: 5.548 min Scan# 612
Delta R.T. 0.011 min
Lab File: VN077298.D
Acq: 11 Apr 2023 12:35

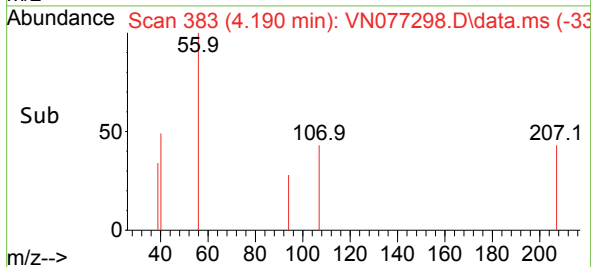
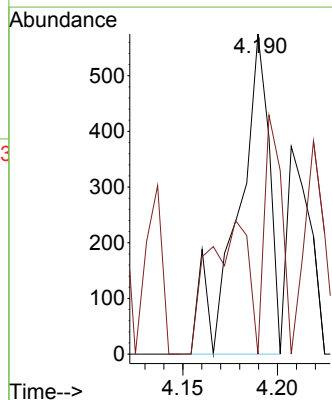
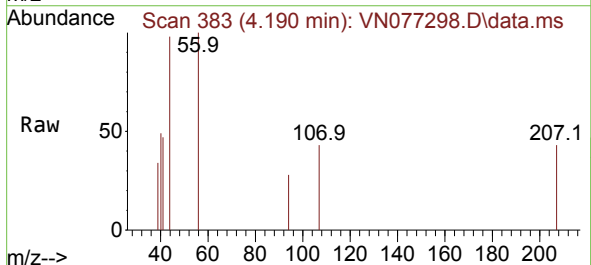
Instrument :
MSVOA_N
ClientSampleId :
PB151999ZHE#02

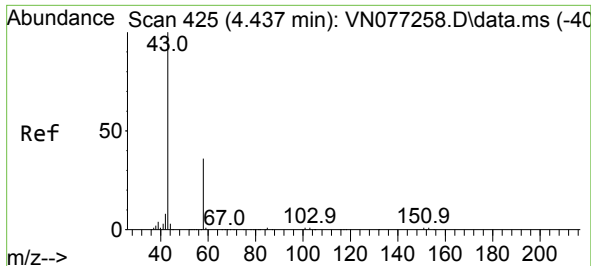
Tgt Ion: 59 Resp: 1379
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.513 ug/l
RT: 4.190 min Scan# 383
Delta R.T. 0.006 min
Lab File: VN077298.D
Acq: 11 Apr 2023 12:35

Tgt Ion: 56 Resp: 663
Ion Ratio Lower Upper
56 100
55 40.4 54.2 81.2#

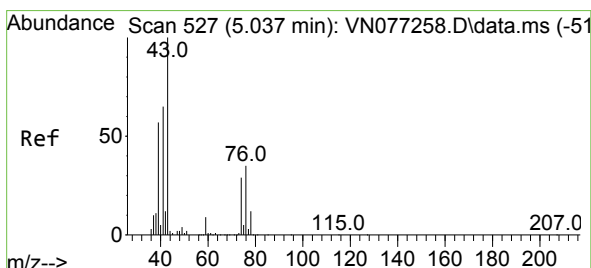
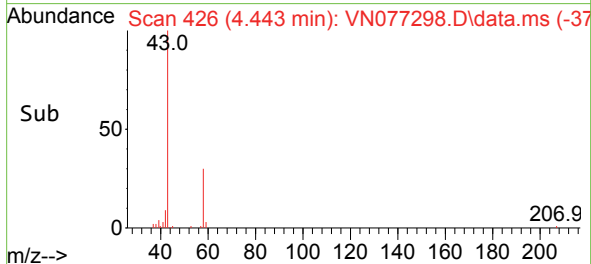
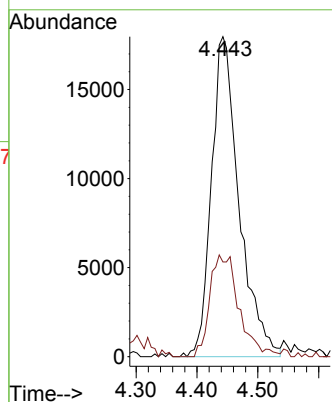
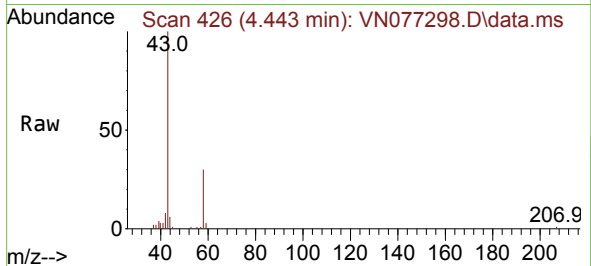




#16
Acetone
Concen: 23.007 ug/l
RT: 4.443 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077298.D
Acq: 11 Apr 2023 12:35

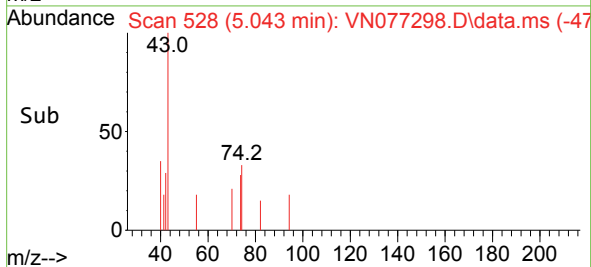
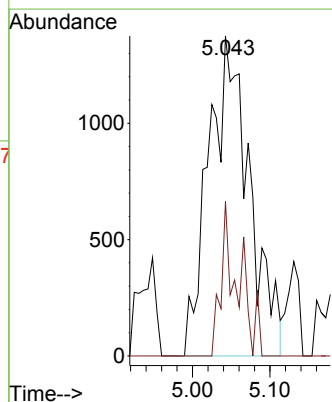
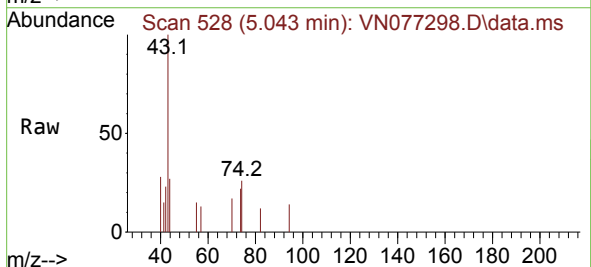
Instrument :
MSVOA_N
ClientSampleId :
PB151999ZHE#02

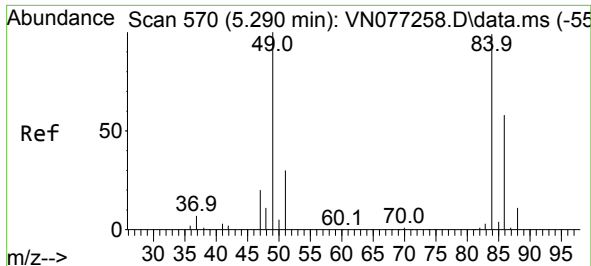
Tgt Ion: 43 Resp: 56726
Ion Ratio Lower Upper
43 100
58 29.6 29.0 43.6



#18
Methyl Acetate
Concen: 0.535 ug/l
RT: 5.043 min Scan# 528
Delta R.T. 0.006 min
Lab File: VN077298.D
Acq: 11 Apr 2023 12:35

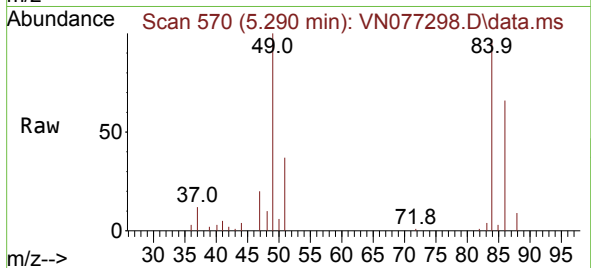
Tgt Ion: 43 Resp: 5027
Ion Ratio Lower Upper
43 100
74 13.6 23.4 35.2#





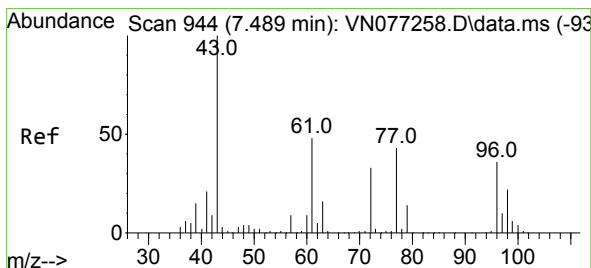
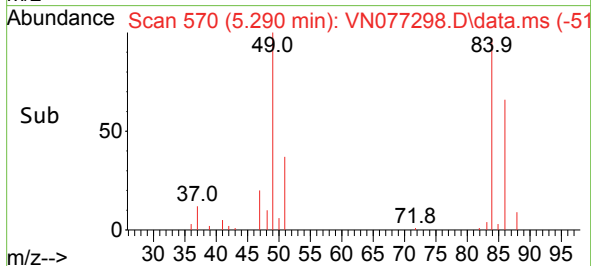
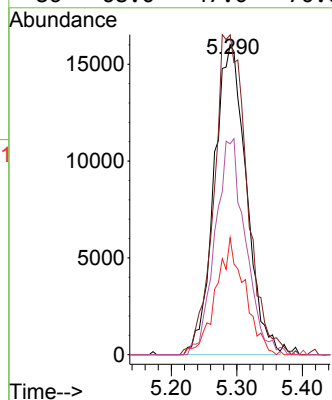
#20
Methylene Chloride
Concen: 7.838 ug/l
RT: 5.290 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077298.D
Acq: 11 Apr 2023 12:35

Instrument :
MSVOA_N
ClientSampleId :
PB151999ZHE#02



Tgt Ion: 84 Resp: 54578

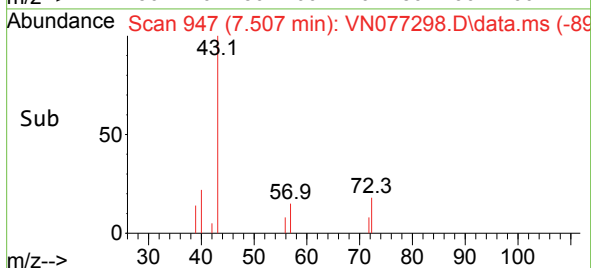
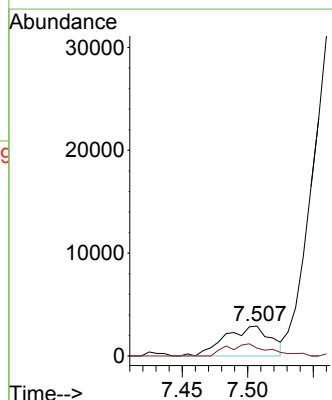
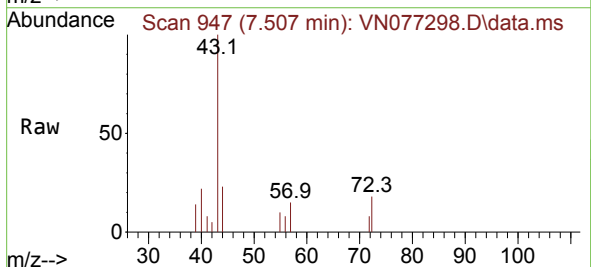
Ion	Ratio	Lower	Upper
84	100		
49	103.2	80.6	121.0
51	37.7	24.4	36.6#
86	68.0	47.0	70.6

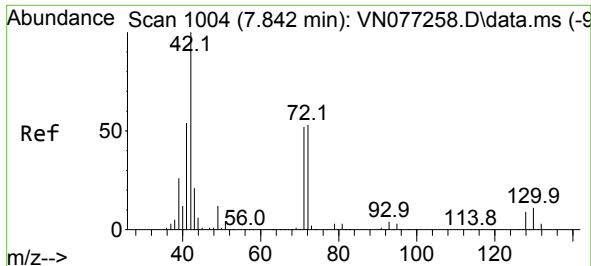


#25
2-Butanone
Concen: 1.762 ug/l
RT: 7.507 min Scan# 947
Delta R.T. 0.018 min
Lab File: VN077298.D
Acq: 11 Apr 2023 12:35

Tgt Ion: 43 Resp: 7050

Ion	Ratio	Lower	Upper
43	100		
72	26.4	26.6	39.8#





#29

Tetrahydrofuran

Concen: 0.625 ug/l

RT: 7.860 min Scan# 10

Delta R.T. 0.018 min

Lab File: VN077298.D

Acq: 11 Apr 2023 12:35

Instrument :

MSVOA_N

ClientSampleId :

PB151999ZHE#02

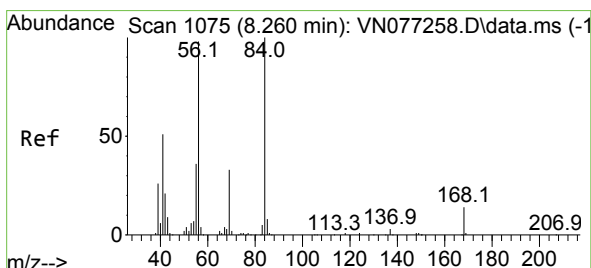
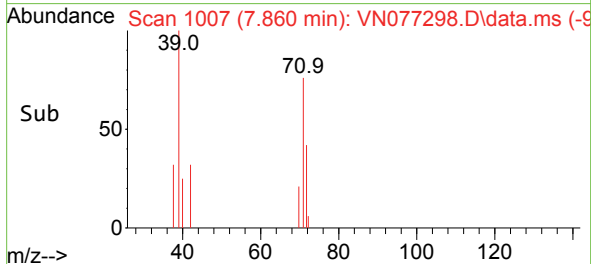
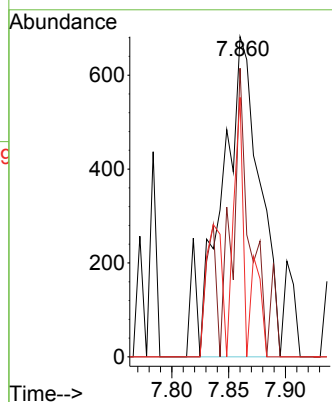
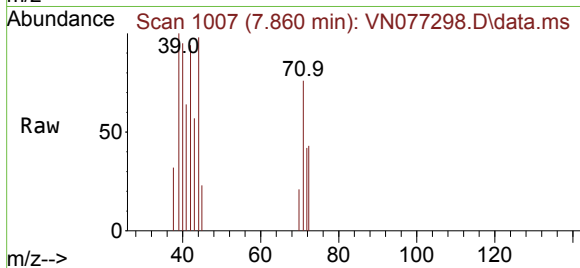
Tgt Ion: 42 Resp: 1609

Ion Ratio Lower Upper

42 100

72 44.0 44.6 66.8#

71 27.2 41.3 61.9#



#31

Cyclohexane

Concen: 1.278 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.029 min

Lab File: VN077298.D

Acq: 11 Apr 2023 12:35

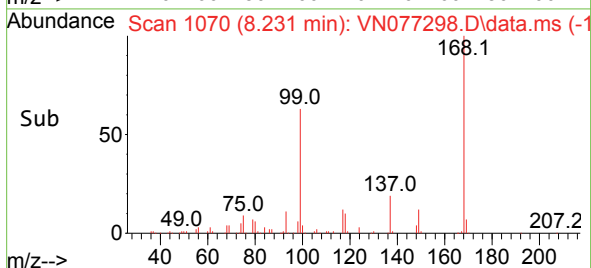
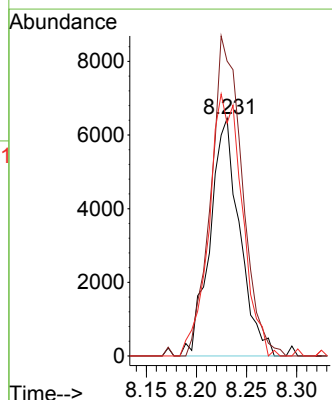
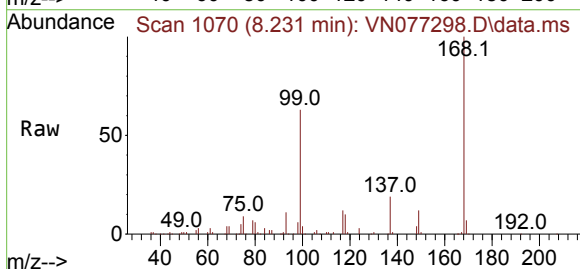
Tgt Ion: 56 Resp: 13282

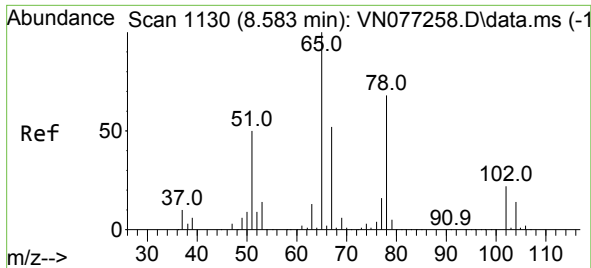
Ion Ratio Lower Upper

56 100

69 124.2 26.6 40.0#

84 98.0 81.8 122.8

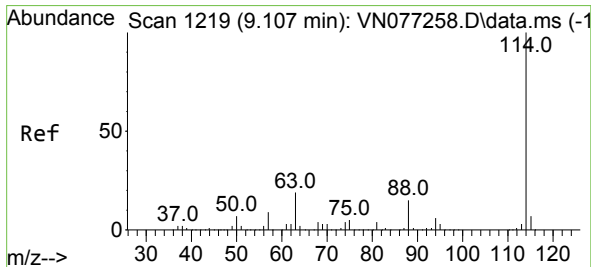
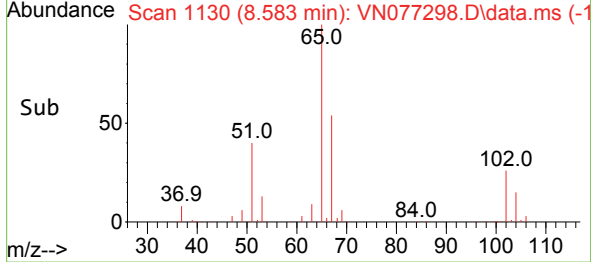
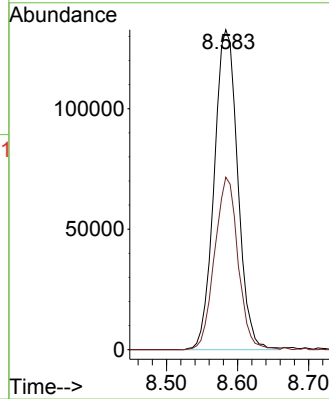
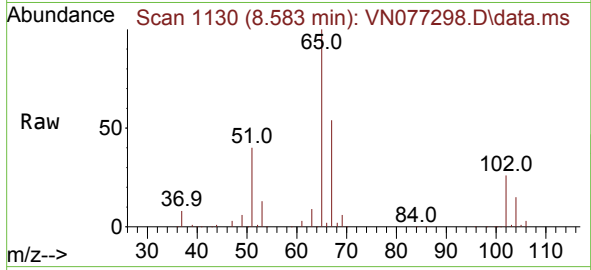




#33
1,2-Dichloroethane-d4
Concen: 45.665 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077298.D
Acq: 11 Apr 2023 12:35

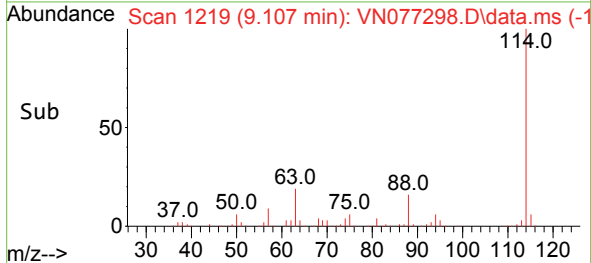
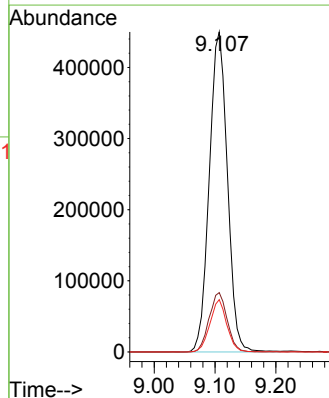
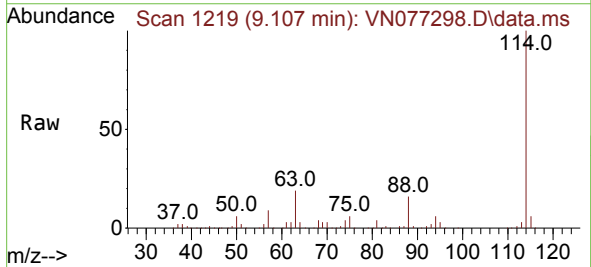
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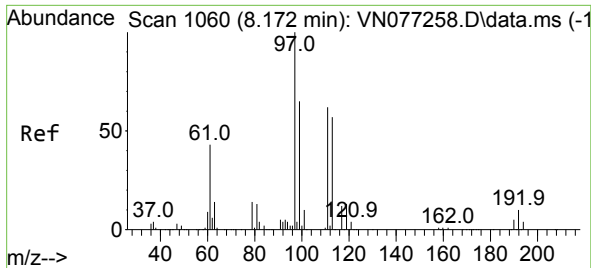
Tgt Ion: 65 Resp: 305376
Ion Ratio Lower Upper
65 100
67 53.7 0.0 108.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN077298.D
Acq: 11 Apr 2023 12:35

Tgt Ion: 114 Resp: 928808
Ion Ratio Lower Upper
114 100
63 18.6 0.0 37.8
88 16.4 0.0 29.4

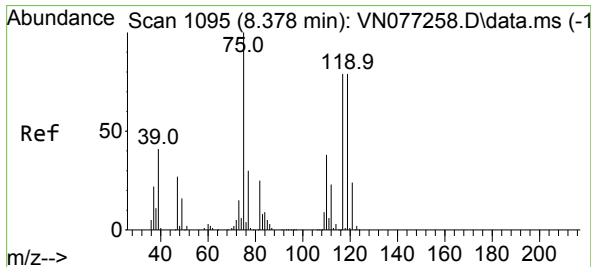
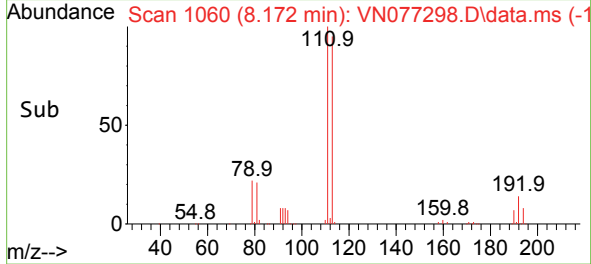
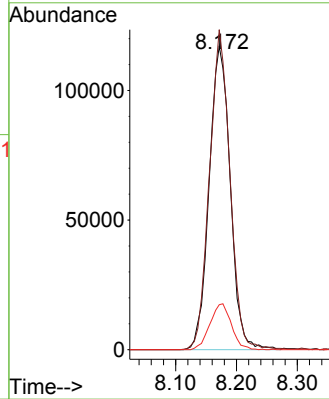
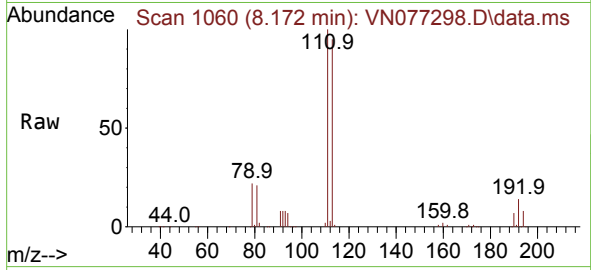




#35
Dibromofluoromethane
Concen: 47.359 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077298.D
Acq: 11 Apr 2023 12:35

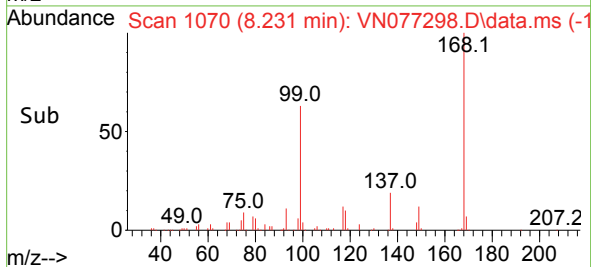
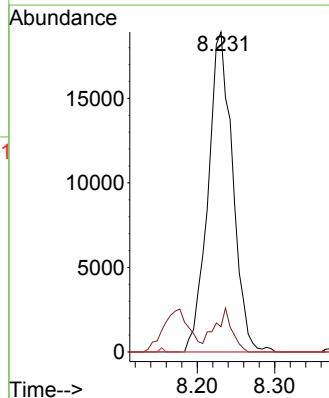
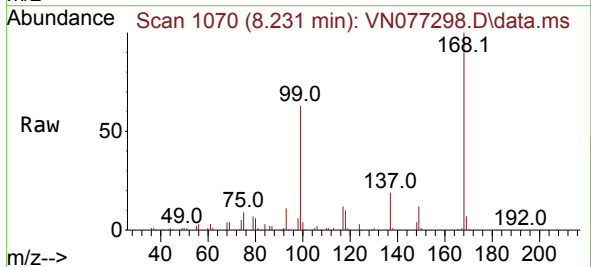
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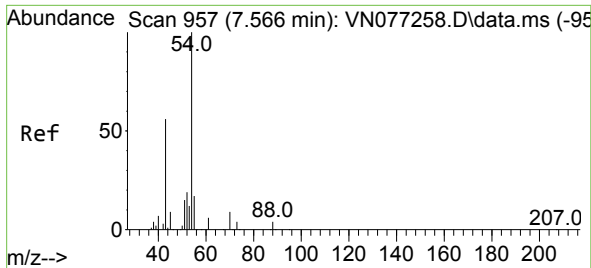
Tgt Ion:113 Resp: 281592
Ion Ratio Lower Upper
113 100
111 102.5 83.4 125.0
192 15.4 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.736 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077298.D
Acq: 11 Apr 2023 12:35

Tgt Ion: 75 Resp: 41646
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.5#
77 0.0 25.0 37.4#

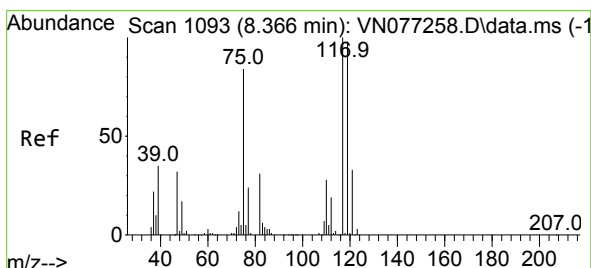
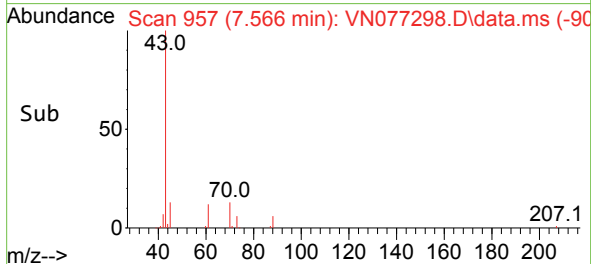
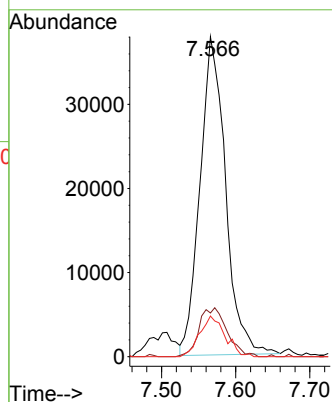
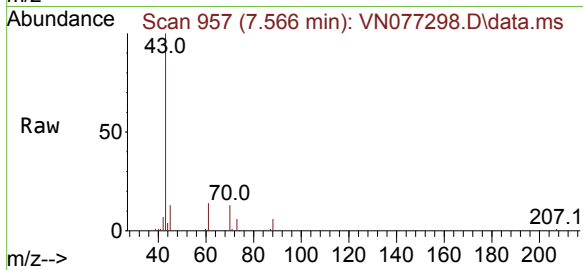




#37
Ethyl Acetate
Concen: 11.515 ug/l
RT: 7.566 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN077298.D
Acq: 11 Apr 2023 12:35

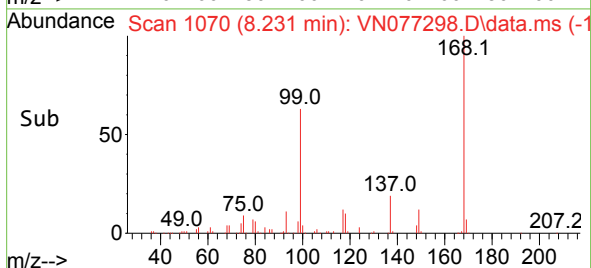
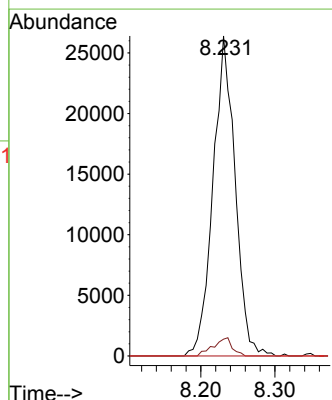
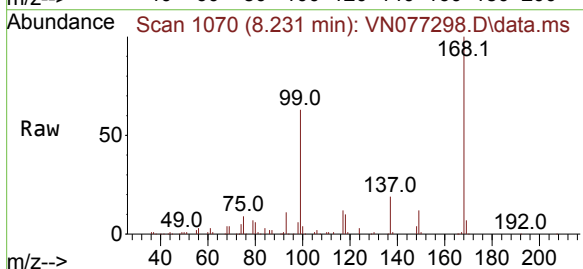
Instrument :
MSVOA_N
ClientSampleId :
PB151999ZHE#02

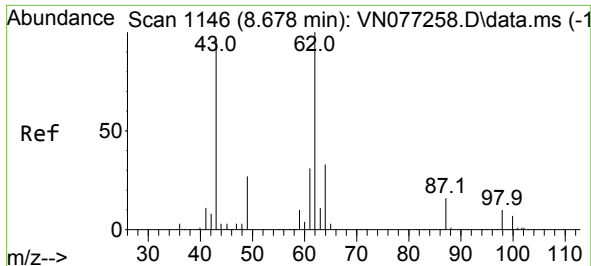
Tgt Ion: 43 Resp: 90603
Ion Ratio Lower Upper
43 100
61 16.8 12.2 18.2
70 12.8 10.0 15.0



#38
Carbon Tetrachloride
Concen: 6.066 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.135 min
Lab File: VN077298.D
Acq: 11 Apr 2023 12:35

Tgt Ion: 117 Resp: 54657
Ion Ratio Lower Upper
117 100
119 5.3 78.5 117.7#
121 0.0 26.6 40.0#





#42

1,2-Dichloroethane

Concen: 0.334 ug/l

RT: 8.689 min Scan# 1148

Delta R.T. 0.011 min

Lab File: VN077298.D

Acq: 11 Apr 2023 12:35

Instrument :

MSVOA_N

ClientSampleId :

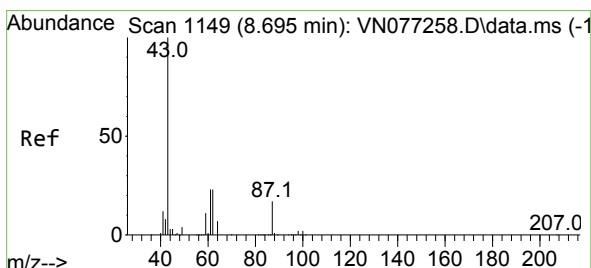
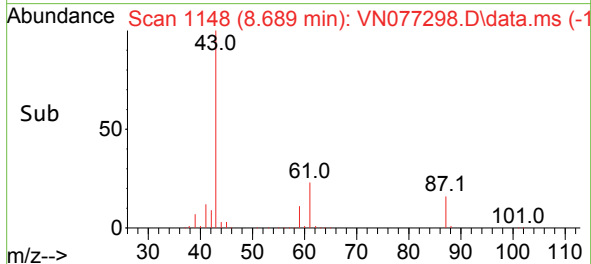
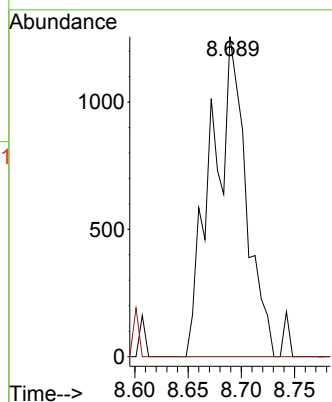
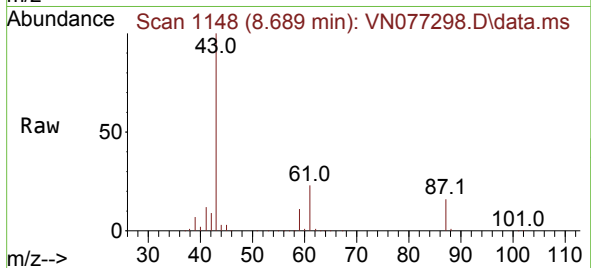
PB151999ZHE#02

Tgt Ion: 62 Resp: 2817

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#43

Isopropyl Acetate

Concen: 31.482 ug/l

RT: 8.689 min Scan# 1148

Delta R.T. -0.006 min

Lab File: VN077298.D

Acq: 11 Apr 2023 12:35

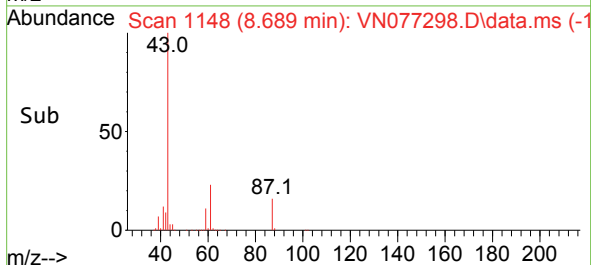
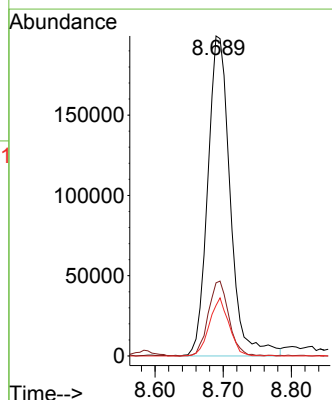
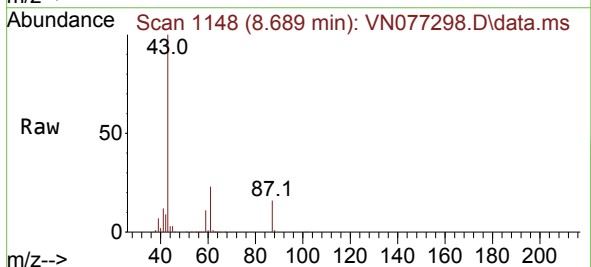
Tgt Ion: 43 Resp: 457080

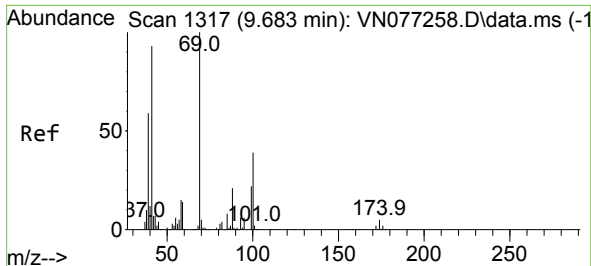
Ion Ratio Lower Upper

43 100

61 21.6 22.7 34.1#

87 15.8 13.6 20.4

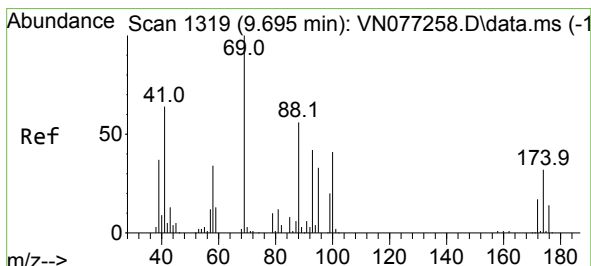
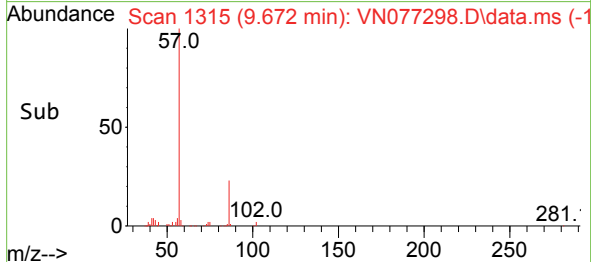
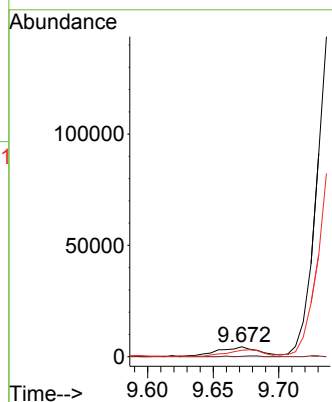
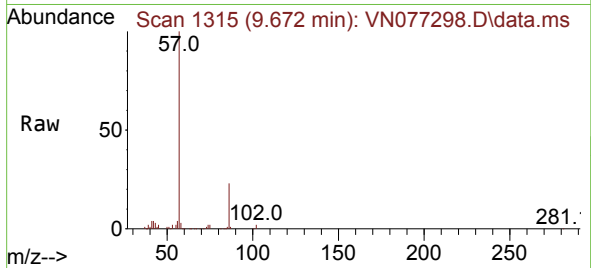




#48
Methyl methacrylate
Concen: 1.595 ug/l
RT: 9.672 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN077298.D
Acq: 11 Apr 2023 12:35

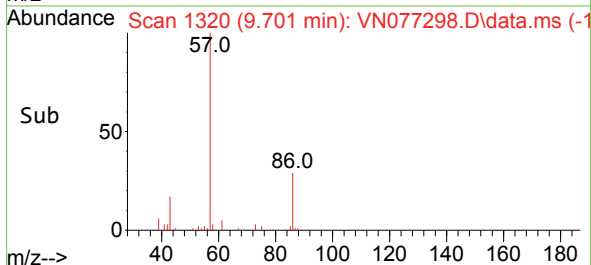
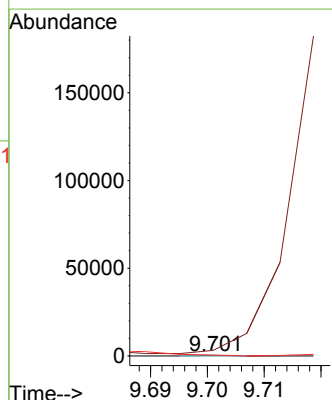
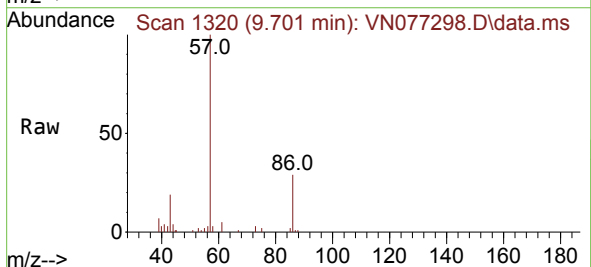
Instrument :
MSVOA_N
ClientSampleId :
PB151999ZHE#02

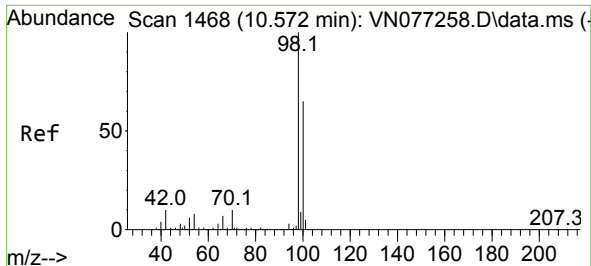
Tgt Ion: 41 Resp: 9880
Ion Ratio Lower Upper
41 100
69 3.2 85.0 127.6#
39 0.0 53.5 80.3#



#49
1,4-Dioxane
Concen: 0.420 ug/l
RT: 9.701 min Scan# 1320
Delta R.T. 0.006 min
Lab File: VN077298.D
Acq: 11 Apr 2023 12:35

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 49.8 74.6#

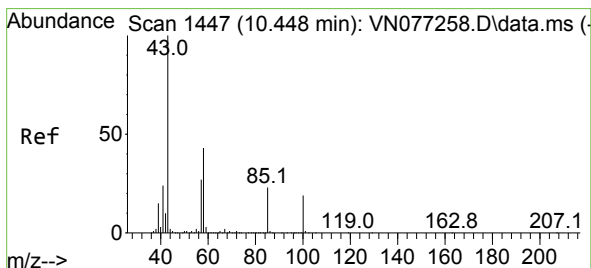
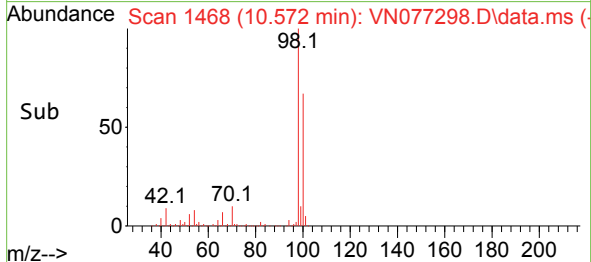
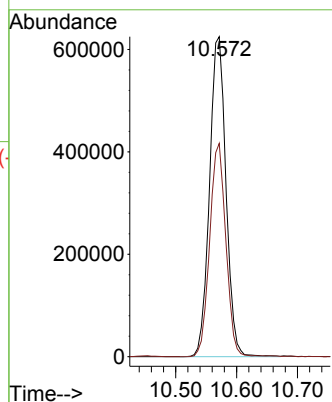
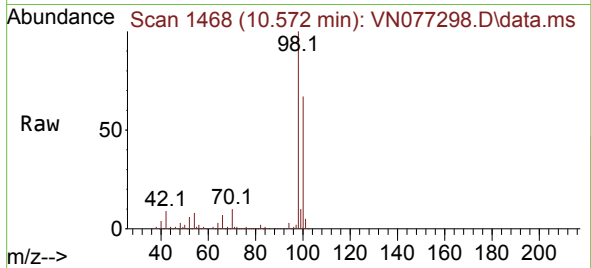




#50
Toluene-d8
Concen: 48.966 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077298.D
Acq: 11 Apr 2023 12:35

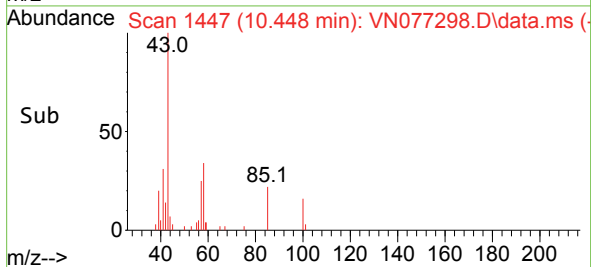
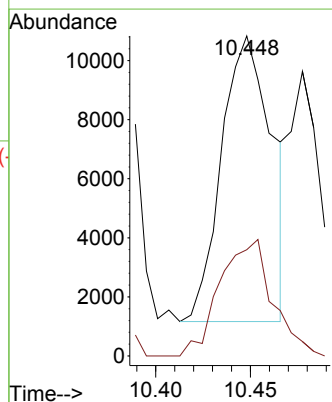
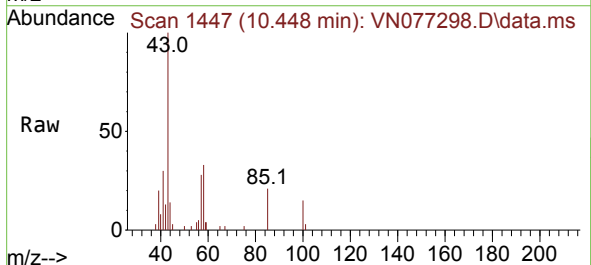
Instrument :
MSVOA_N
ClientSampleId :
PB151999ZHE#02

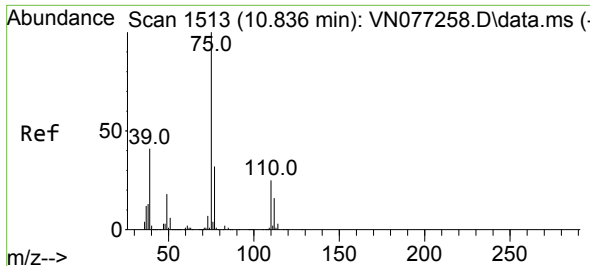
Tgt Ion: 98 Resp: 1172078
Ion Ratio Lower Upper
98 100
100 65.6 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 2.123 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077298.D
Acq: 11 Apr 2023 12:35

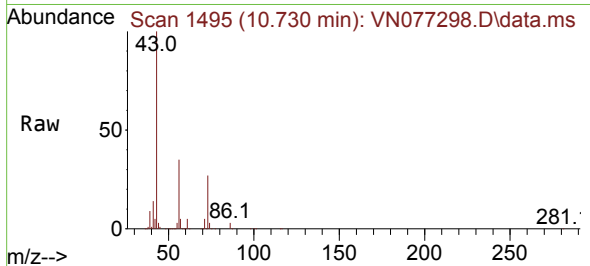
Tgt Ion: 43 Resp: 17820
Ion Ratio Lower Upper
43 100
58 42.8 34.6 52.0



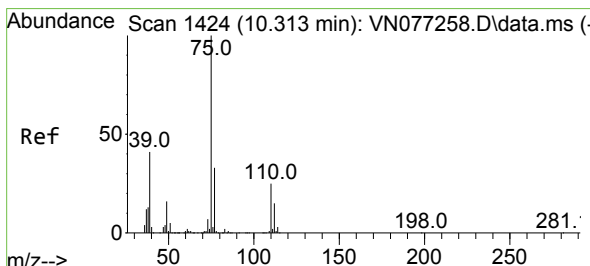
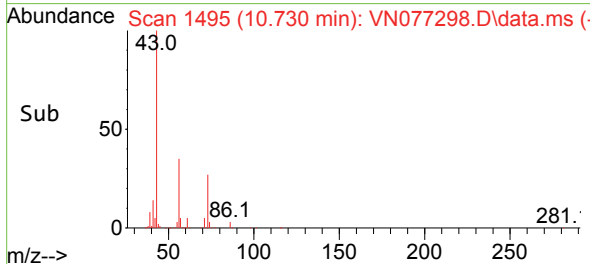
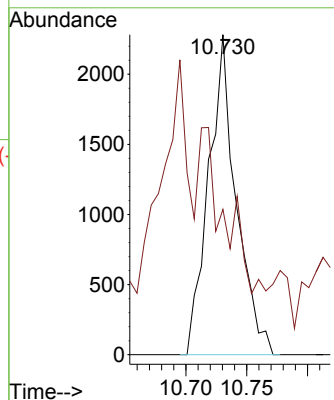


#53
 t-1,3-Dichloropropene
 Concen: 0.339 ug/l
 RT: 10.730 min Scan# 1495
 Delta R.T. -0.106 min
 Lab File: VN077298.D
 Acq: 11 Apr 2023 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 PB151999ZHE#02

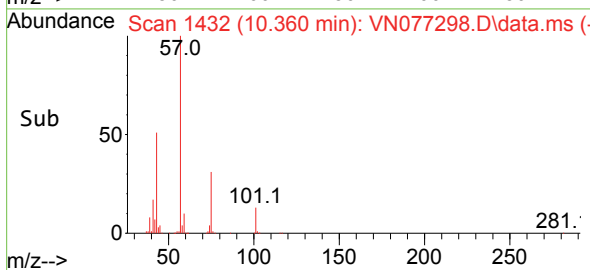
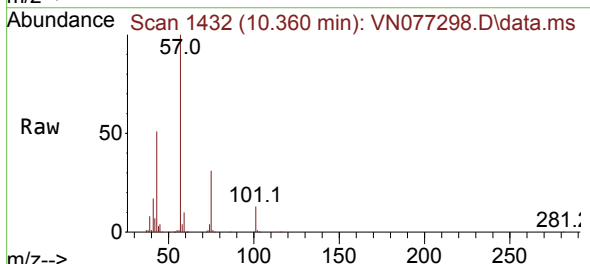
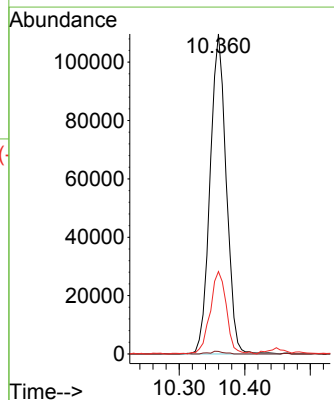


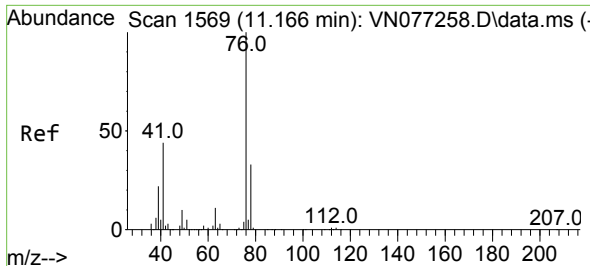
Tgt Ion: 75 Resp: 3607
 Ion Ratio Lower Upper
 75 100
 77 19.1 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 16.584 ug/l
 RT: 10.360 min Scan# 1432
 Delta R.T. 0.047 min
 Lab File: VN077298.D
 Acq: 11 Apr 2023 12:35

Tgt Ion: 75 Resp: 188187
 Ion Ratio Lower Upper
 75 100
 77 0.8 26.7 40.1#
 39 25.6 32.8 49.2#





#57

1,3-Dichloropropane

Concen: 2.126 ug/l

RT: 11.207 min Scan# 1576

Delta R.T. 0.041 min

Lab File: VN077298.D

Acq: 11 Apr 2023 12:35

Instrument :

MSVOA_N

ClientSampleId :

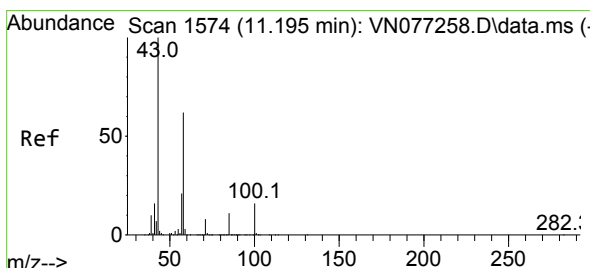
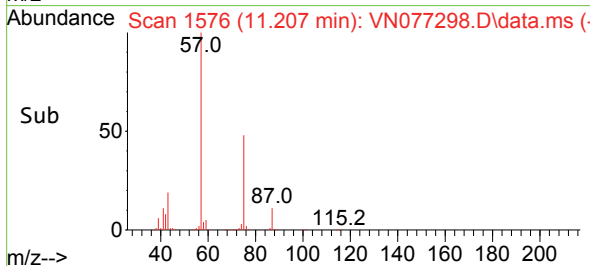
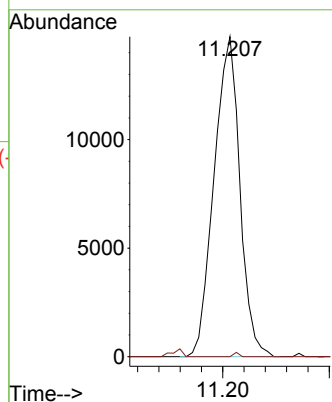
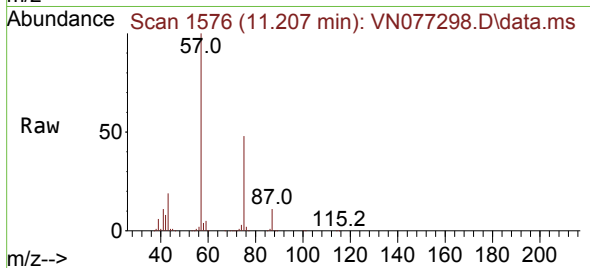
PB151999ZHE#02

Tgt Ion: 76 Resp: 24755

Ion Ratio Lower Upper

76 100

78 0.3 26.2 39.4#



#59

2-Hexanone

Concen: 57.564 ug/l

RT: 11.172 min Scan# 1570

Delta R.T. -0.023 min

Lab File: VN077298.D

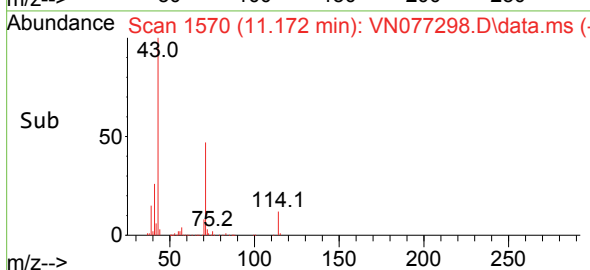
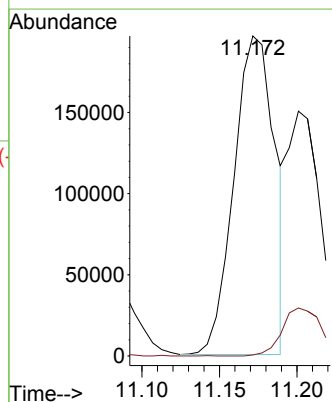
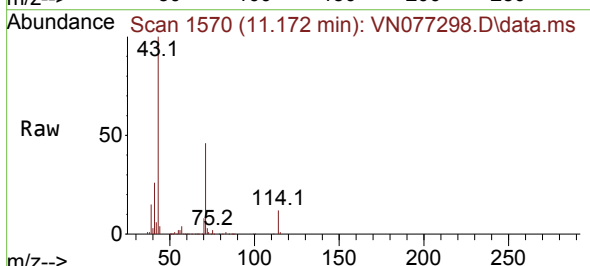
Acq: 11 Apr 2023 12:35

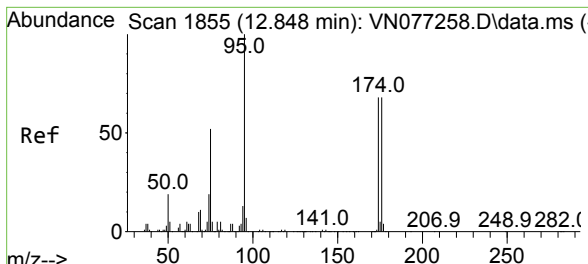
Tgt Ion: 43 Resp: 359893

Ion Ratio Lower Upper

43 100

58 0.0 30.9 92.5#

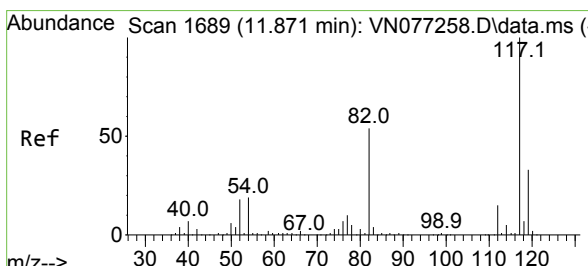
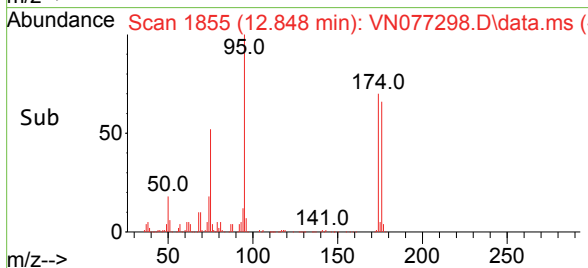
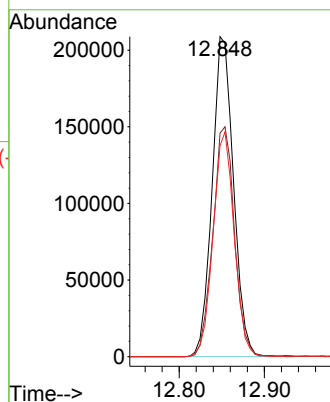
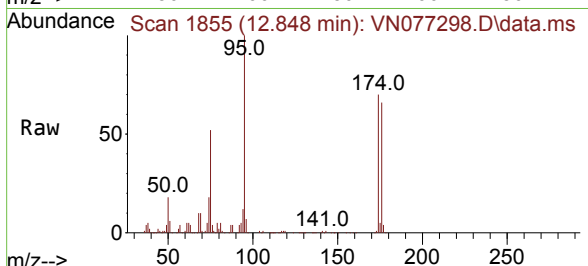




#62
4-Bromofluorobenzene
Concen: 45.587 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN077298.D
Acq: 11 Apr 2023 12:35

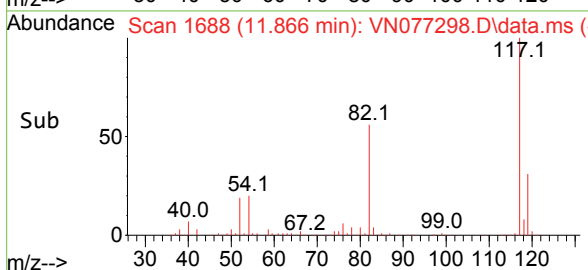
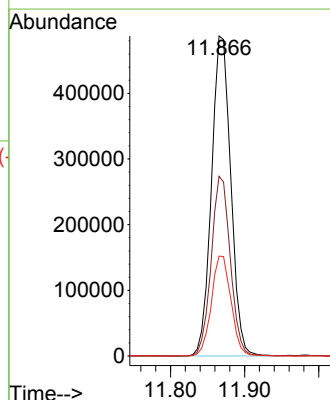
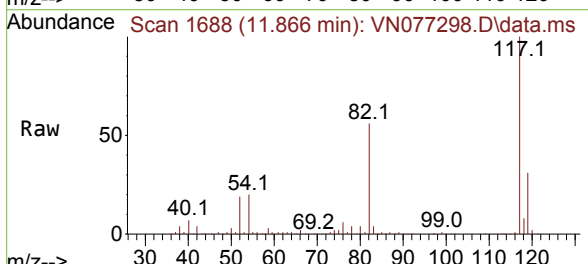
Instrument :
MSVOA_N
ClientSampleId :
PB151999ZHE#02

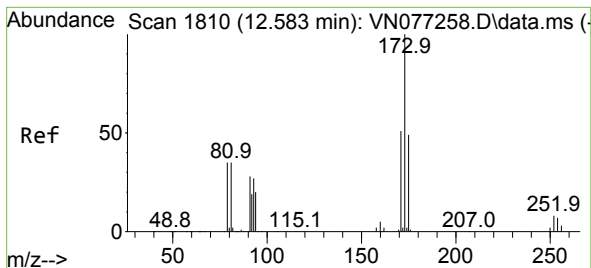
Tgt Ion: 95 Resp: 362913
Ion Ratio Lower Upper
95 100
174 72.9 0.0 146.8
176 69.4 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.005 min
Lab File: VN077298.D
Acq: 11 Apr 2023 12:35

Tgt Ion: 117 Resp: 881473
Ion Ratio Lower Upper
117 100
82 56.1 42.9 64.3
119 31.2 26.2 39.4





#71

Bromoform

Concen: 0.248 ug/l

RT: 12.848 min Scan# 1855

Delta R.T. 0.265 min

Lab File: VN077298.D

Acq: 11 Apr 2023 12:35

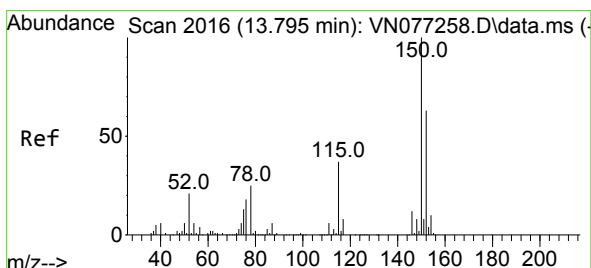
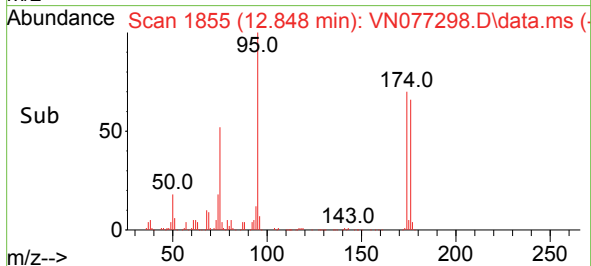
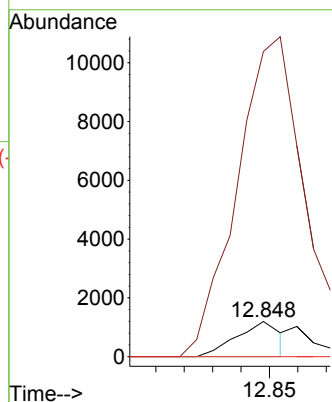
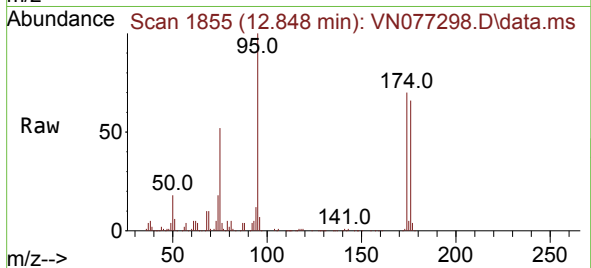
Instrument :

MSVOA_N

ClientSampleId :

PB151999ZHE#02

Tgt Ion:173	Resp:	1283
Ion Ratio	Lower	Upper
173	100	
175	1206.6	24.1 72.4#
254	0.0	0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

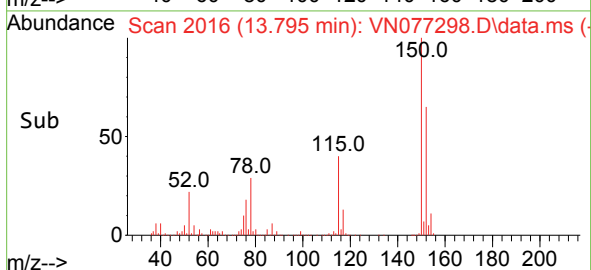
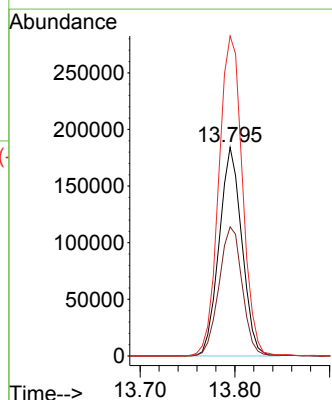
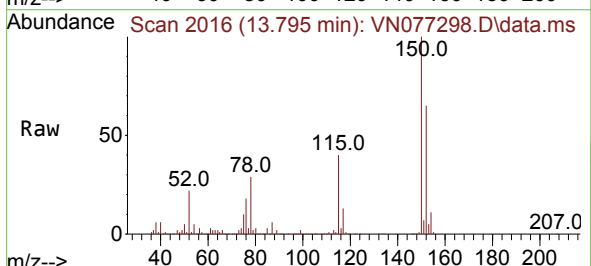
RT: 13.795 min Scan# 2016

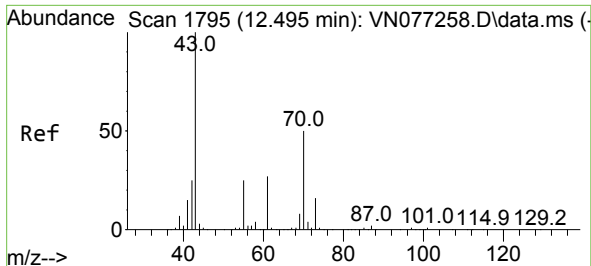
Delta R.T. -0.000 min

Lab File: VN077298.D

Acq: 11 Apr 2023 12:35

Tgt Ion:152	Resp:	307176
Ion Ratio	Lower	Upper
152	100	
115	63.6	32.1 96.3
150	160.1	0.0 354.8

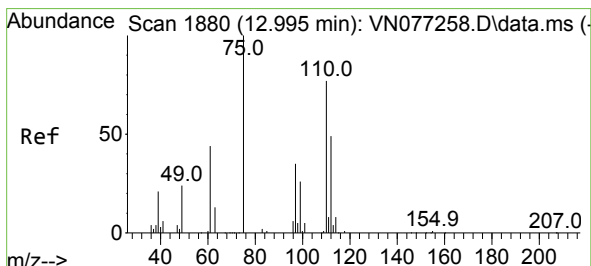
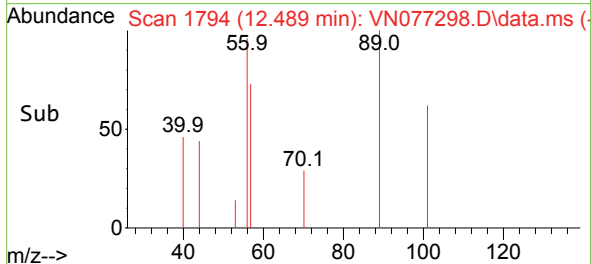
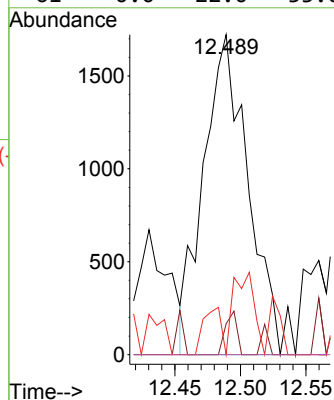
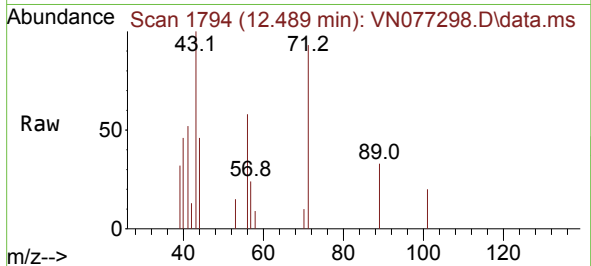




#74
N-amy1 acetate
Concen: 0.358 ug/l
RT: 12.489 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN077298.D
Acq: 11 Apr 2023 12:35

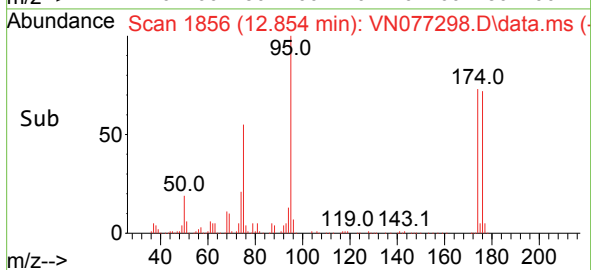
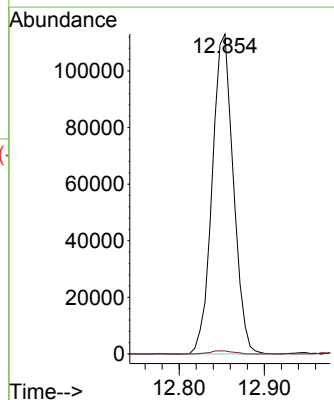
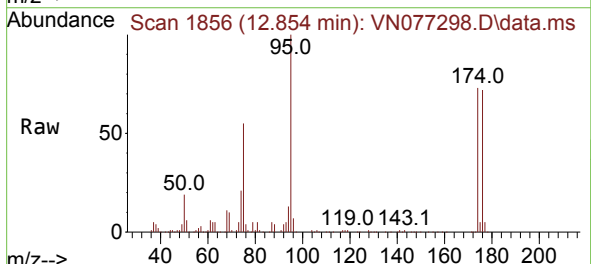
Instrument :
MSVOA_N
ClientSampleId :
PB151999ZHE#02

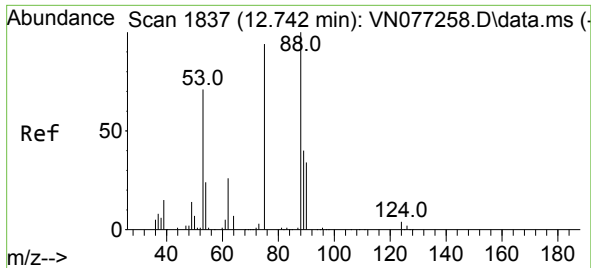
Tgt Ion:	43	Resp:	4045
Ion	Ratio	Lower	Upper
43	100		
70	3.5	41.0	61.6#
55	5.9	19.3	28.9#
61	0.0	22.0	33.0#



#76
1,2,3-Trichloropropane
Concen: 26.652 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077298.D
Acq: 11 Apr 2023 12:35

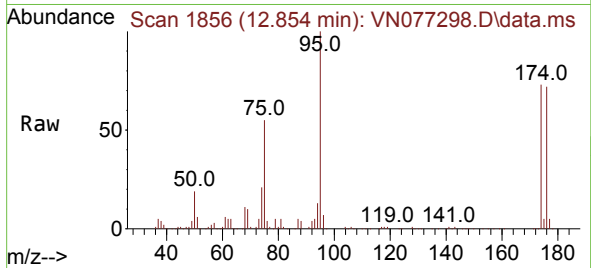
Tgt Ion:	75	Resp:	194953
Ion	Ratio	Lower	Upper
75	100		
77	1.1	88.3	264.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.976 ug/l
 RT: 12.854 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN077298.D
 Acq: 11 Apr 2023 12:35

Instrument :
 MSVOA_N
 ClientSampleId :
 PB151999ZHE#02



Tgt Ion: 75 Resp: 194953
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.8 109.2#
 89 0.1 37.4 56.2#

