

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110623\
 Data File : VN079925.D
 Acq On : 06 Nov 2023 16:09
 Operator : JC\MD
 Sample : PB156885ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 07 04:49:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

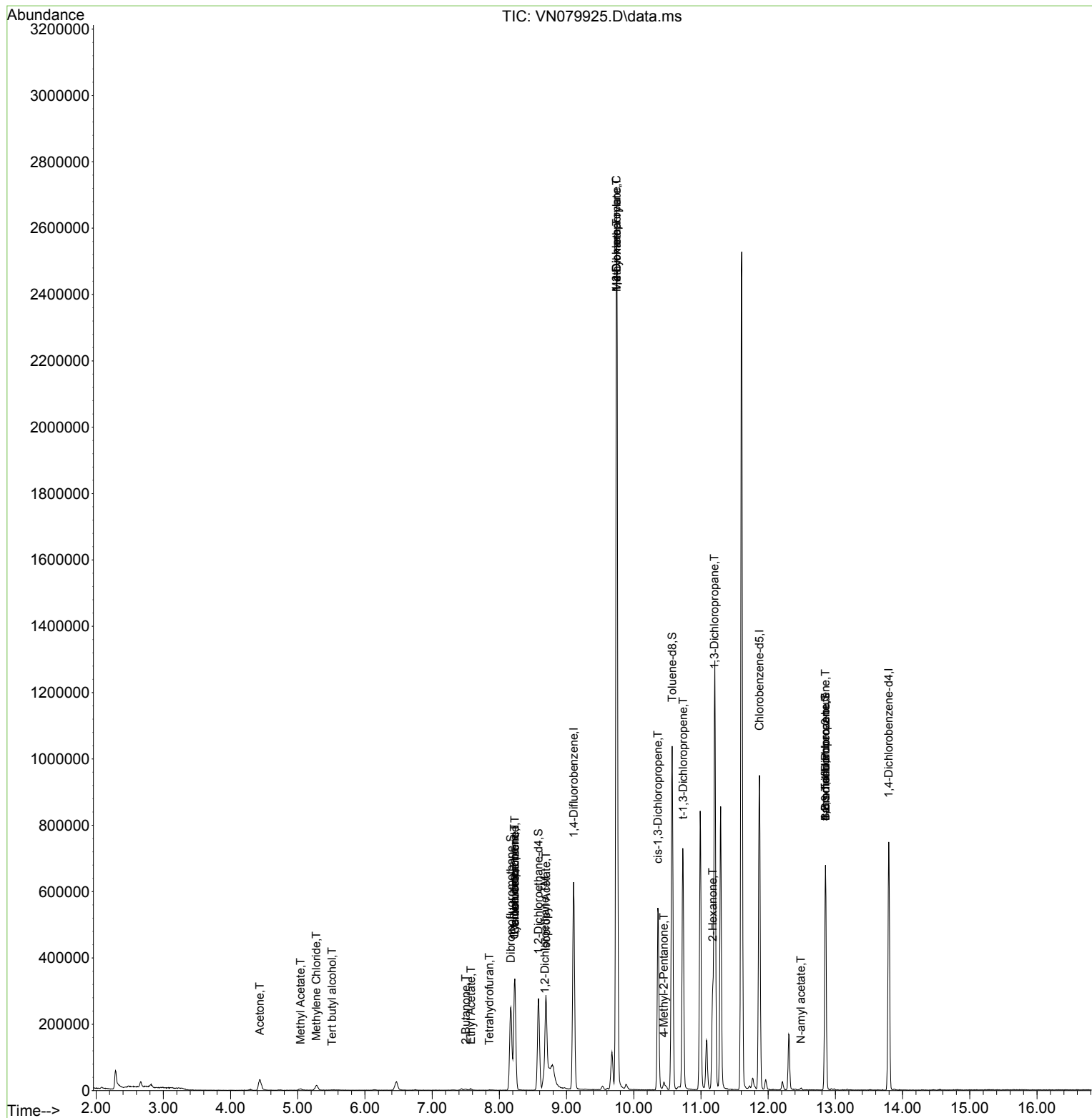
Internal Standards						
1) Pentafluorobenzene	8.229	168	234301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	509686	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	535483	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	191329	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	222278	62.269	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 124.540%			
35) Dibromofluoromethane	8.171	113	180076	49.919	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.840%			
50) Toluene-d8	10.571	98	689525	51.922	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.840%			
62) 4-Bromofluorobenzene	12.853	95	228883	51.968	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.940%			
Target Compounds					Qvalue	
3) Chloromethane	2.353	50	1031	Below Cal		96
11) Tert butyl alcohol	5.512	59	628	1.378	ug/l #	72
16) Acetone	4.436	43	64177	51.183	ug/l #	88
18) Methyl Acetate	5.041	43	9167	1.528	ug/l #	74
20) Methylene Chloride	5.277	84	11409	3.606	ug/l #	73
25) 2-Butanone	7.500	43	6686	3.641	ug/l	95
29) Tetrahydrofuran	7.853	42	433	0.362	ug/l #	31
31) Cyclohexane	8.224	56	6538	1.386	ug/l #	47
36) 1,1-Dichloropropene	8.224	75	22047	4.280	ug/l #	48
37) Ethyl Acetate	7.577	43	6916	1.464	ug/l #	67
38) Carbon Tetrachloride	8.229	117	26415	5.089	ug/l #	16
42) 1,2-Dichloroethane	8.677	62	2090	0.388	ug/l #	73
43) Isopropyl Acetate	8.694	43	351207	42.395	ug/l #	74
45) 1,2-Dichloropropane	9.741	63	3405	0.864	ug/l #	45
48) Methyl methacrylate	9.747	41	243912	67.220	ug/l #	28
49) 1,4-Dioxane	9.747	88	173	2.698	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	23686	5.079	ug/l #	69
53) t-1,3-Dichloropropene	10.735	75	1684	0.299	ug/l	90
54) cis-1,3-Dichloropropene	10.359	75	92701	15.111	ug/l #	74
57) 1,3-Dichloropropane	11.200	76	13597	2.097	ug/l #	42
59) 2-Hexanone	11.176	43	226685	63.535	ug/l #	19
71) Bromoform	12.853	173	1576	0.530	ug/l #	1
74) N-amyl acetate	12.488	43	4458	0.703	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	122999	27.383	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	122999	74.502	ug/l #	15

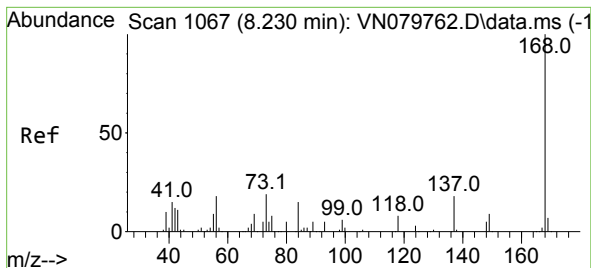
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1

Delta R.T. 0.000 min

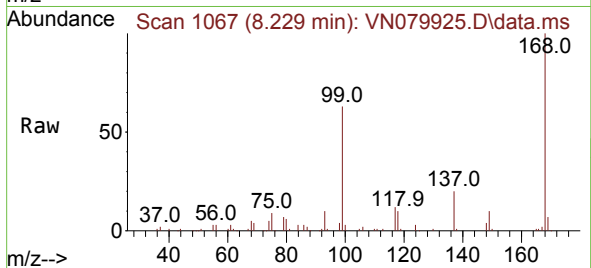
Lab File: VN079925.D

Acq: 06 Nov 2023 16:09

Instrument :

MSVOA_N

ClientSampleId :

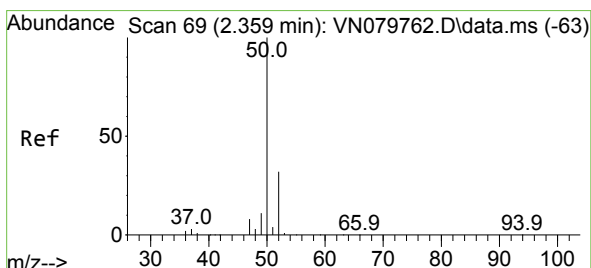
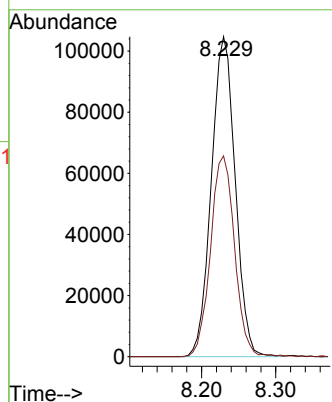
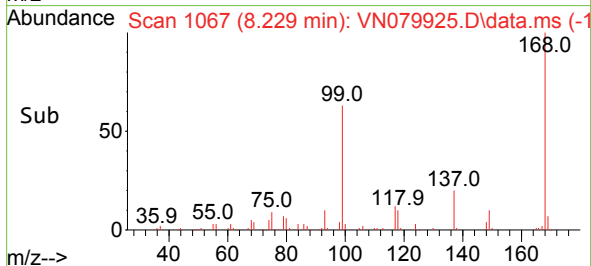


Tgt Ion:168 Resp: 234301

Ion Ratio Lower Upper

168 100

99 62.8 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.353 min Scan# 68

Delta R.T. -0.006 min

Lab File: VN079925.D

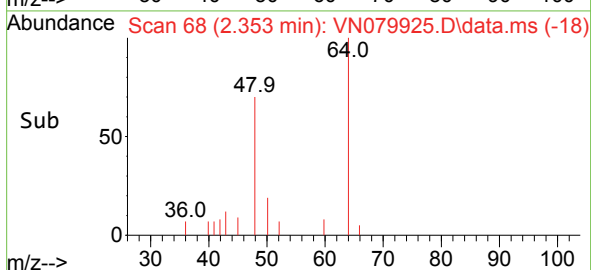
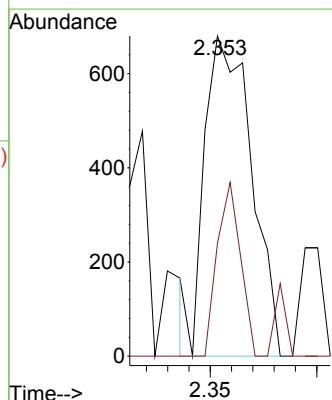
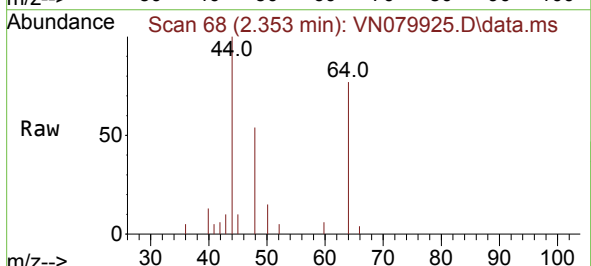
Acq: 06 Nov 2023 16:09

Tgt Ion: 50 Resp: 1031

Ion Ratio Lower Upper

50 100

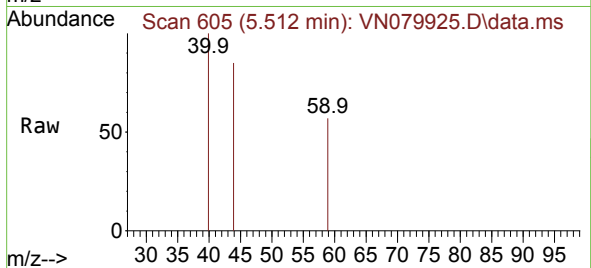
52 35.3 26.5 39.7



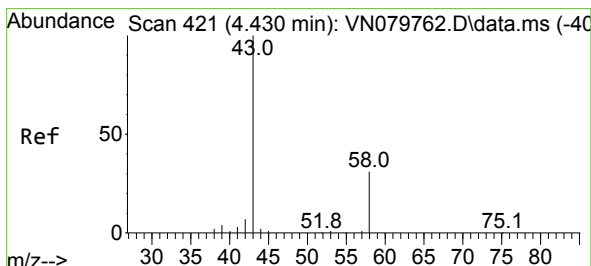
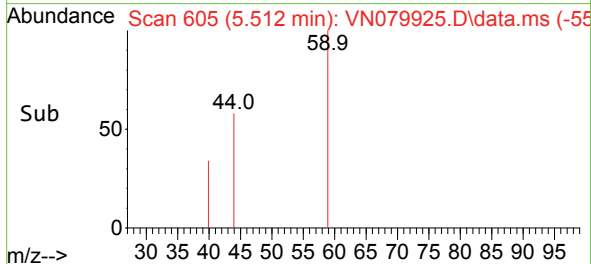
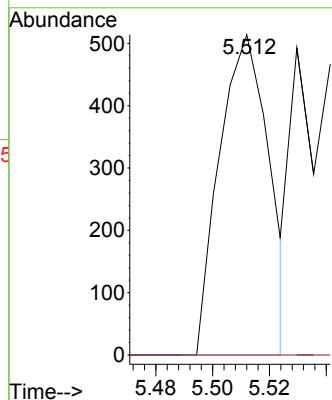


#11
Tert butyl alcohol
Concen: 1.378 ug/l
RT: 5.512 min Scan# 60
Delta R.T. -0.006 min
Lab File: VN079925.D
Acq: 06 Nov 2023 16:09

Instrument :
MSVOA_N
ClientSampleId :

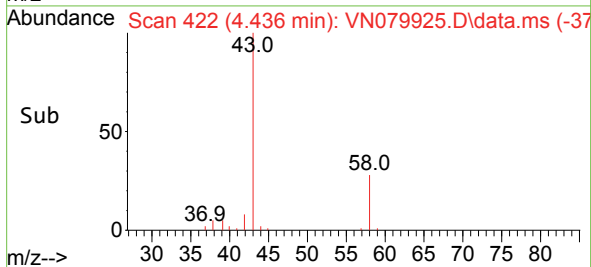
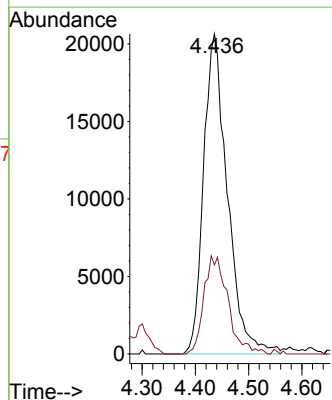
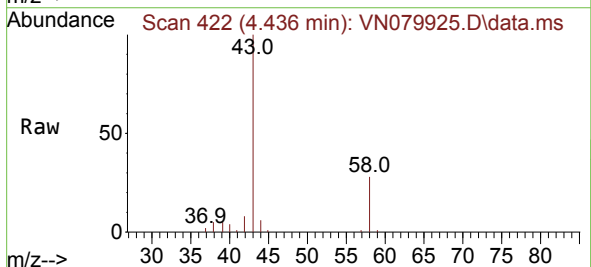


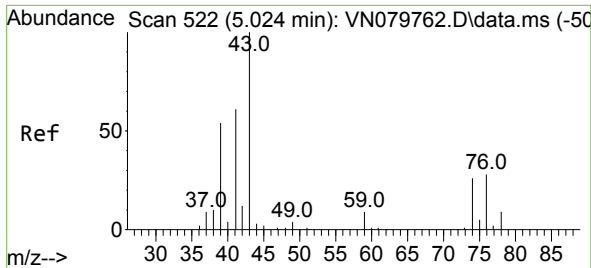
Tgt Ion: 59 Resp: 628
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 51.183 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN079925.D
Acq: 06 Nov 2023 16:09

Tgt Ion: 43 Resp: 64177
Ion Ratio Lower Upper
43 100
58 27.8 28.0 42.0#

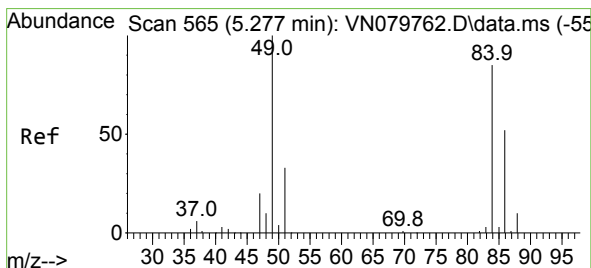
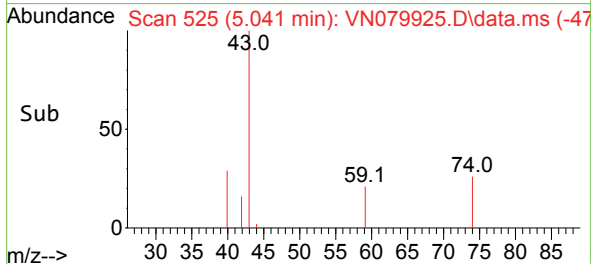
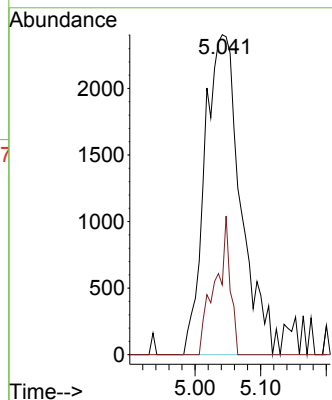
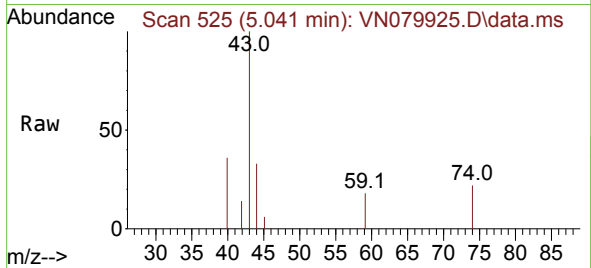




#18
Methyl Acetate
Concen: 1.528 ug/l
RT: 5.041 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN079925.D
Acq: 06 Nov 2023 16:09

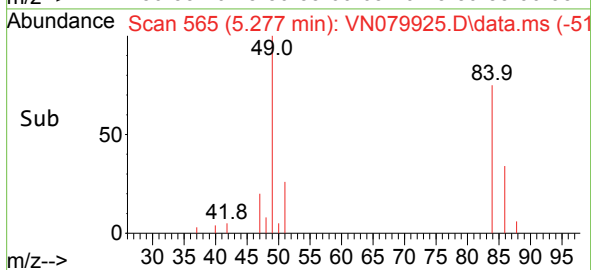
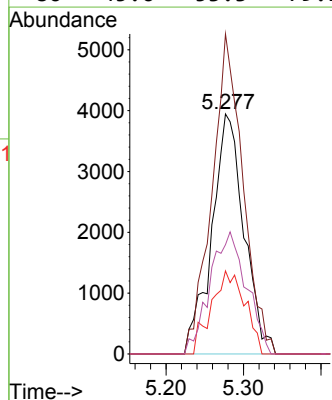
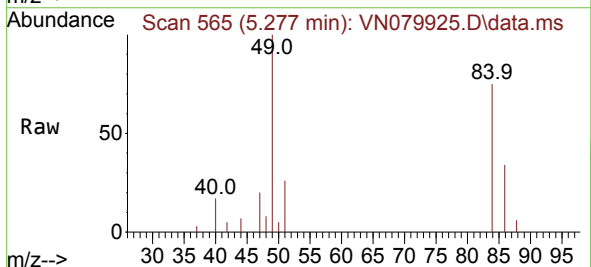
Instrument :
MSVOA_N
ClientSampleId :

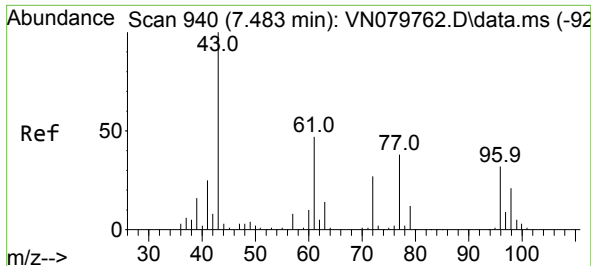
Tgt Ion: 43 Resp: 9167
Ion Ratio Lower Upper
43 100
74 18.0 26.2 39.4#



#20
Methylene Chloride
Concen: 3.606 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN079925.D
Acq: 06 Nov 2023 16:09

Tgt Ion: 84 Resp: 11409
Ion Ratio Lower Upper
84 100
49 133.4 79.7 119.5#
51 34.6 25.2 37.8
86 45.6 53.3 79.9#

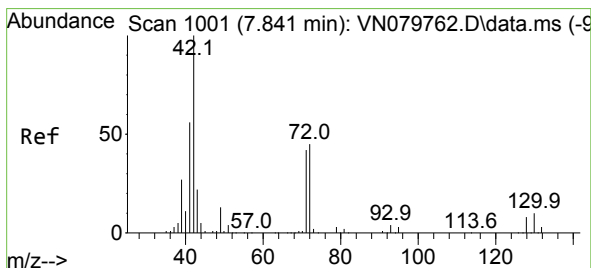
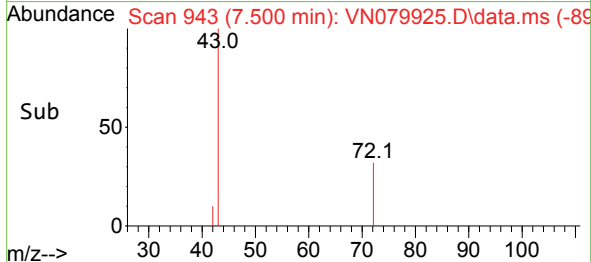
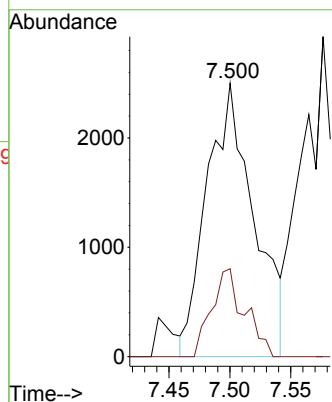
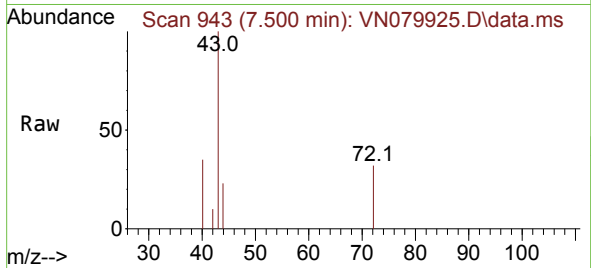




#25
2-Butanone
Concen: 3.641 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN079925.D
Acq: 06 Nov 2023 16:09

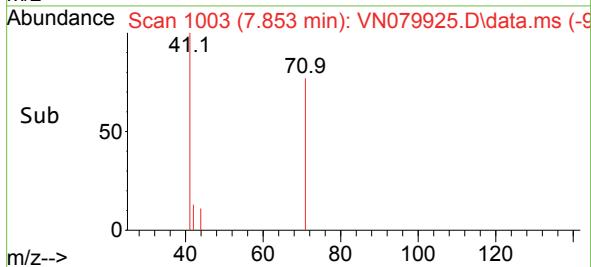
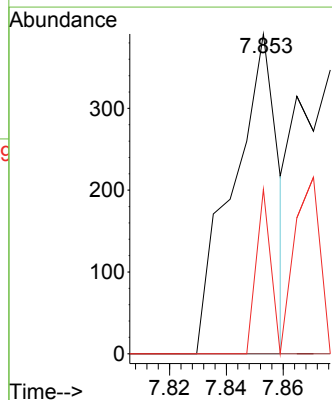
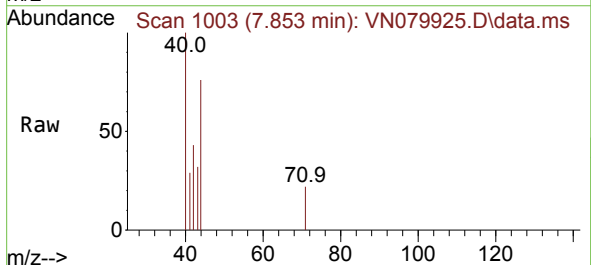
Instrument :
MSVOA_N
ClientSampleId :

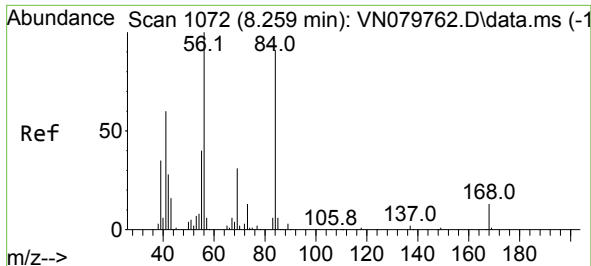
Tgt Ion: 43 Resp: 6686
Ion Ratio Lower Upper
43 100
72 34.8 30.2 45.2



#29
Tetrahydrofuran
Concen: 0.362 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.012 min
Lab File: VN079925.D
Acq: 06 Nov 2023 16:09

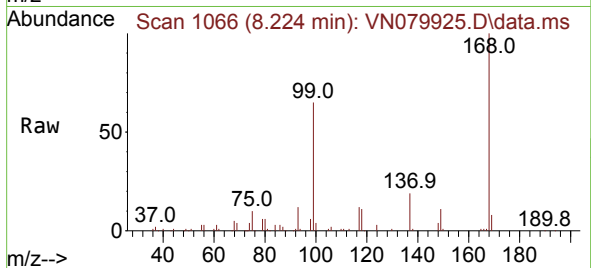
Tgt Ion: 42 Resp: 433
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 16.4 47.4 71.2#



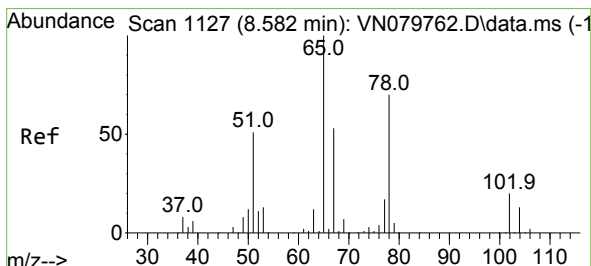
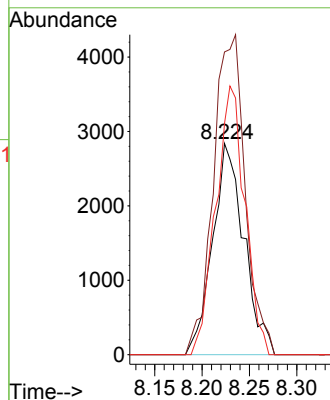
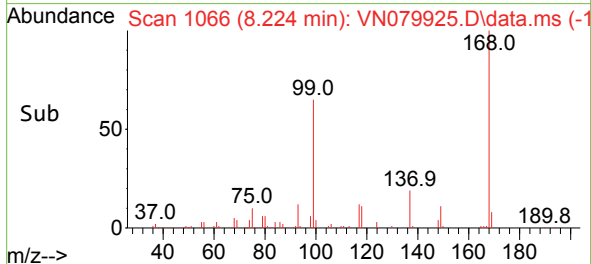


#31
Cyclohexane
Concen: 1.386 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN079925.D
Acq: 06 Nov 2023 16:09

Instrument :
MSVOA_N
ClientSampleId :

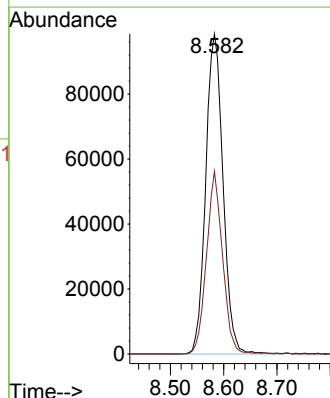
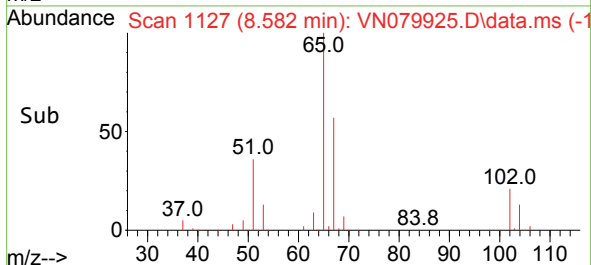
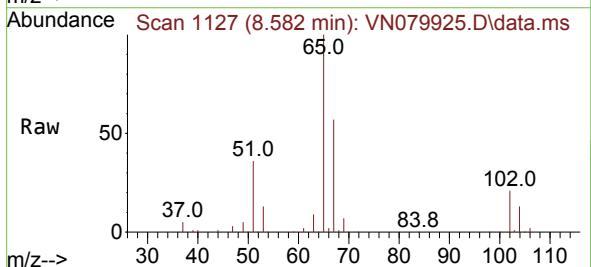


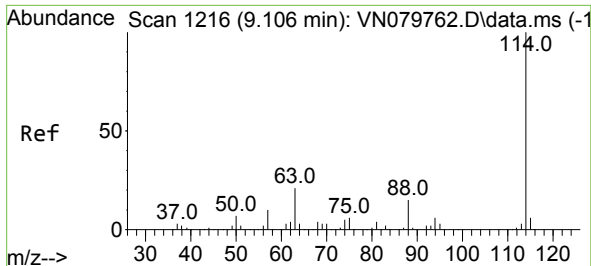
Tgt Ion: 56 Resp: 6538
Ion Ratio Lower Upper
56 100
69 143.4 26.8 40.2#
84 109.5 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 62.269 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079925.D
Acq: 06 Nov 2023 16:09

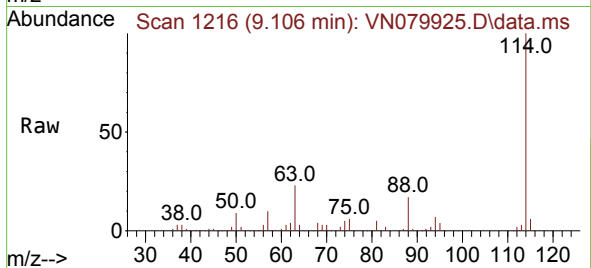
Tgt Ion: 65 Resp: 222278
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.6



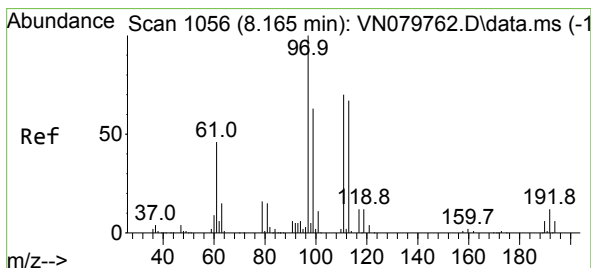
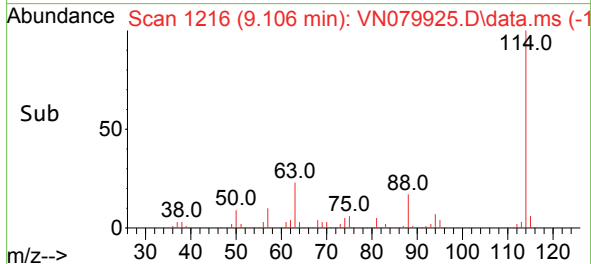
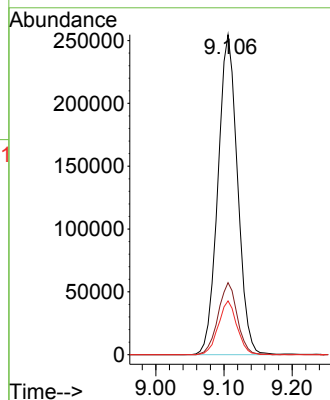


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079925.D
Acq: 06 Nov 2023 16:09

Instrument :
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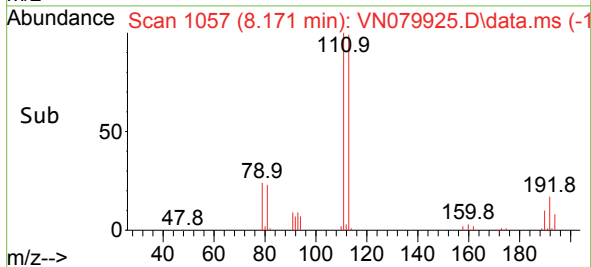
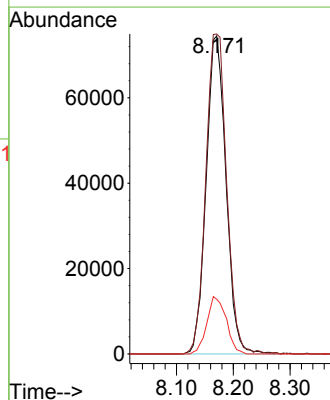
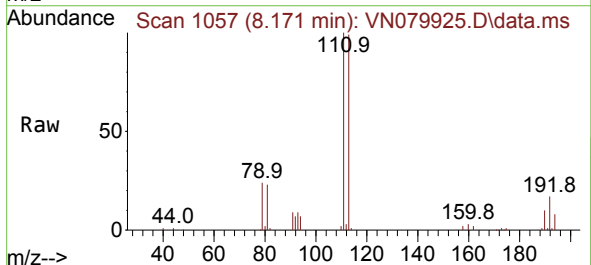


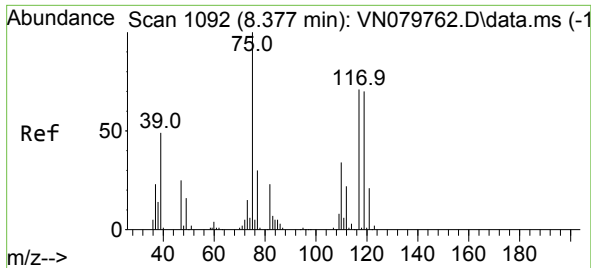
Tgt Ion:114 Resp: 509686
Ion Ratio Lower Upper
114 100
63 22.5 0.0 36.4
88 16.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.919 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079925.D
Acq: 06 Nov 2023 16:09

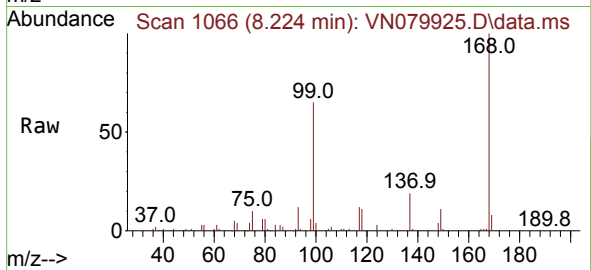
Tgt Ion:113 Resp: 180076
Ion Ratio Lower Upper
113 100
111 105.7 82.6 123.8
192 17.7 12.7 19.1



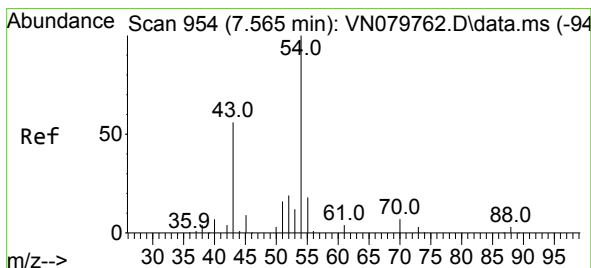
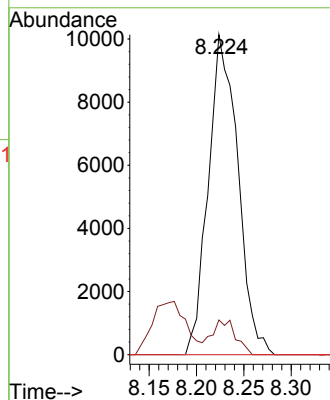
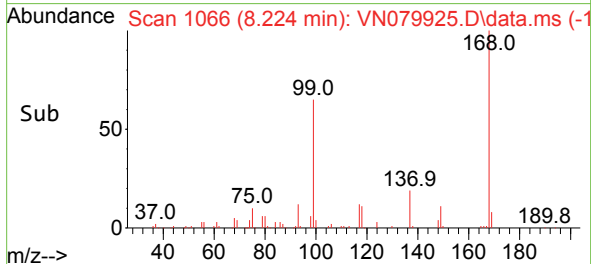


#36
1,1-Dichloropropene
Concen: 4.280 ug/l
RT: 8.224 min Scan# 1092
Delta R.T. -0.153 min
Lab File: VN079925.D
Acq: 06 Nov 2023 16:09

Instrument :
MSVOA_N
ClientSampleId :

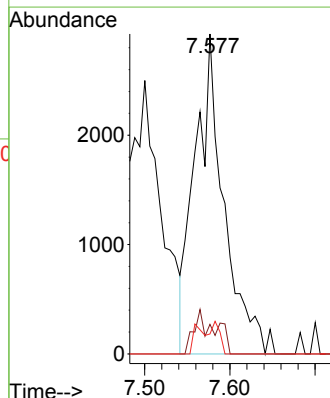
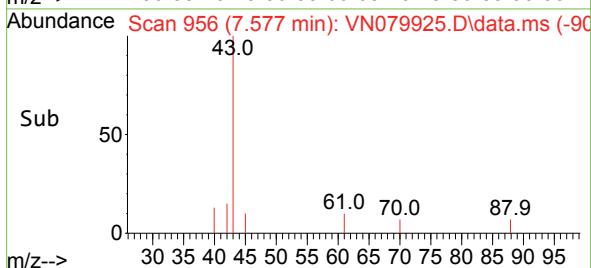
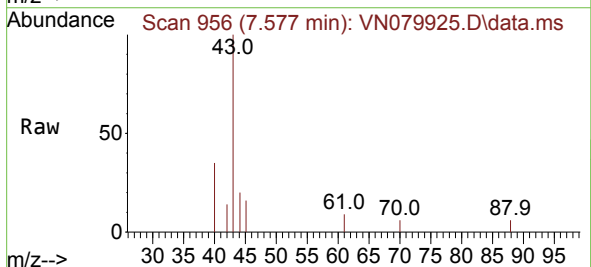


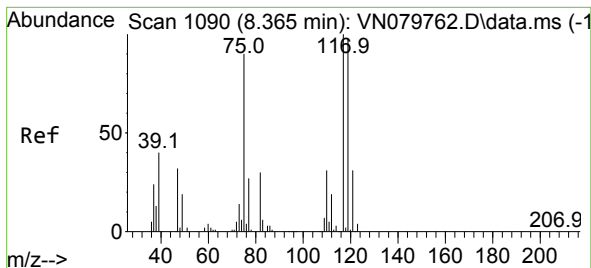
Tgt Ion: 75 Resp: 22047
Ion Ratio Lower Upper
75 100
110 8.7 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.464 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.012 min
Lab File: VN079925.D
Acq: 06 Nov 2023 16:09

Tgt Ion: 43 Resp: 6916
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 3.5 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.089 ug/l

RT: 8.229 min Scan# 1107

Delta R.T. -0.129 min

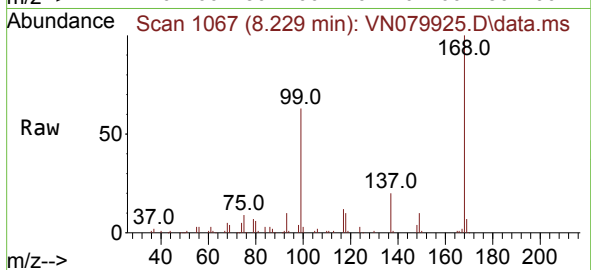
Lab File: VN079925.D

Acq: 06 Nov 2023 16:09

Instrument :

MSVOA_N

ClientSampleId :



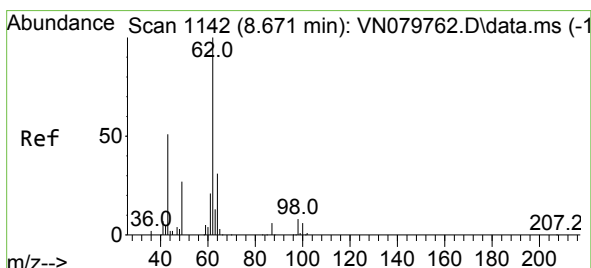
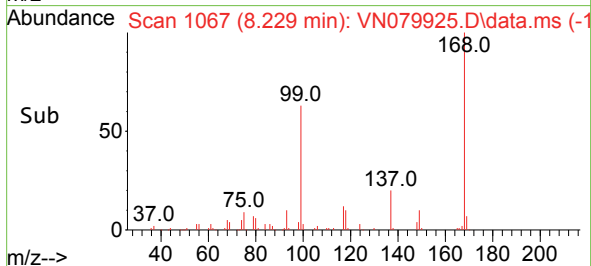
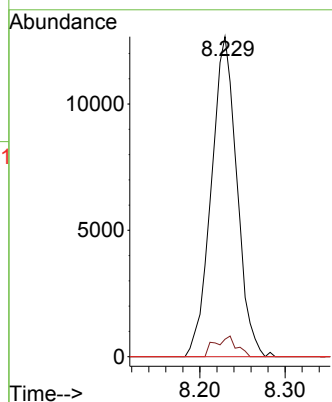
Tgt Ion:117 Resp: 26415

Ion Ratio Lower Upper

117 100

119 5.4 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.388 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN079925.D

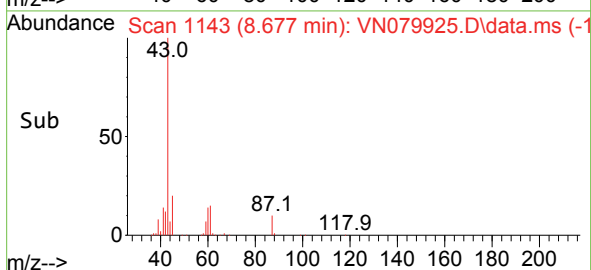
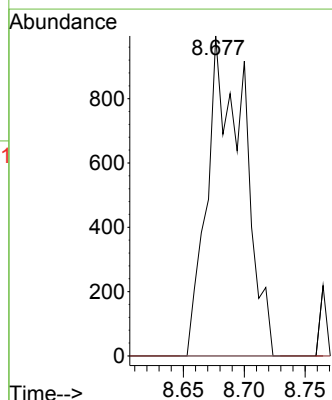
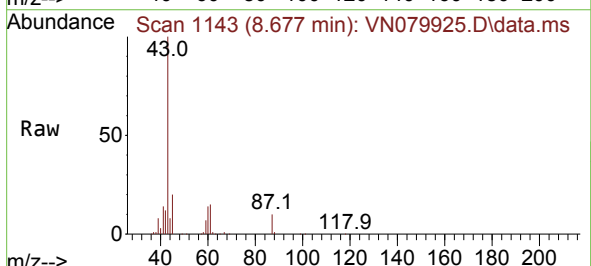
Acq: 06 Nov 2023 16:09

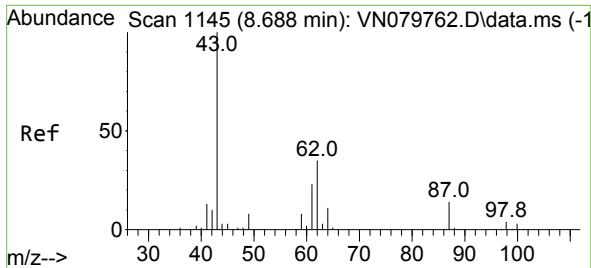
Tgt Ion: 62 Resp: 2090

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

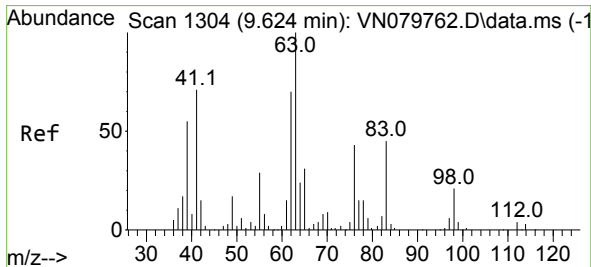
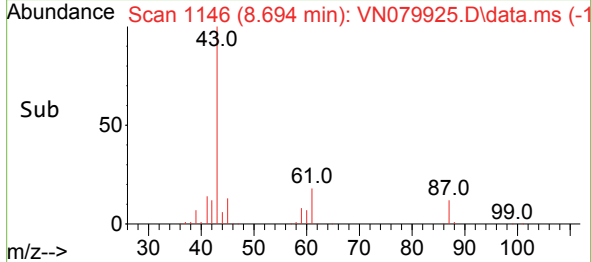
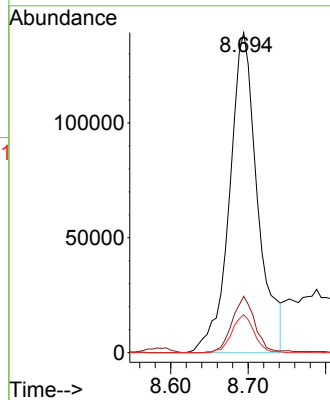
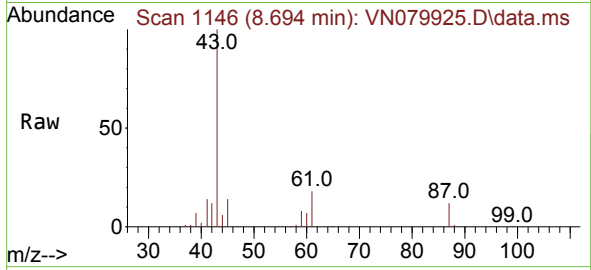




#43
Isopropyl Acetate
Concen: 42.395 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN079925.D
Acq: 06 Nov 2023 16:09

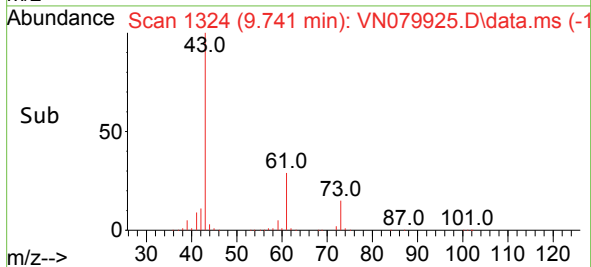
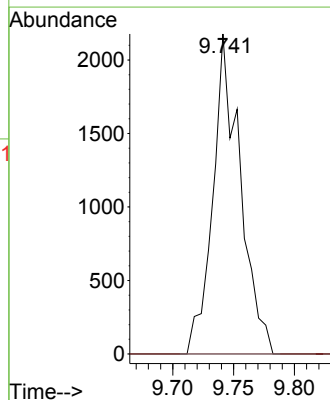
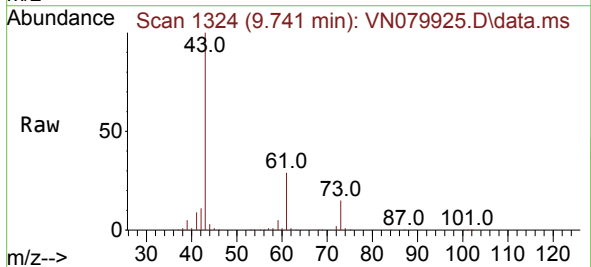
Instrument :
MSVOA_N
ClientSampleId :

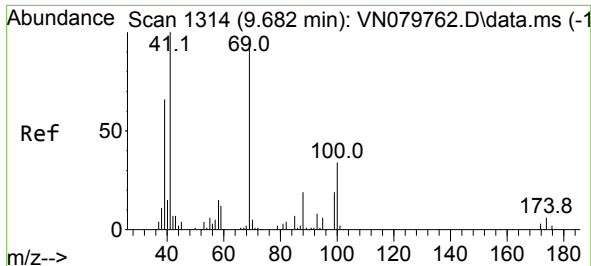
Tgt Ion: 43 Resp: 351207
Ion Ratio Lower Upper
43 100
61 14.5 24.7 37.1#
87 9.4 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.864 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN079925.D
Acq: 06 Nov 2023 16:09

Tgt Ion: 63 Resp: 3405
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

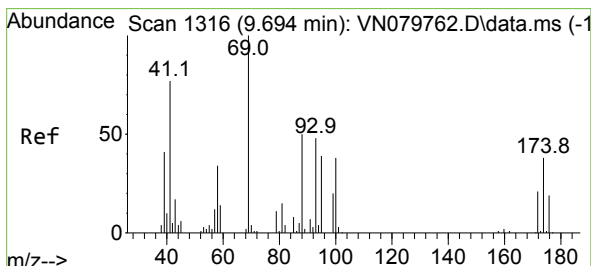
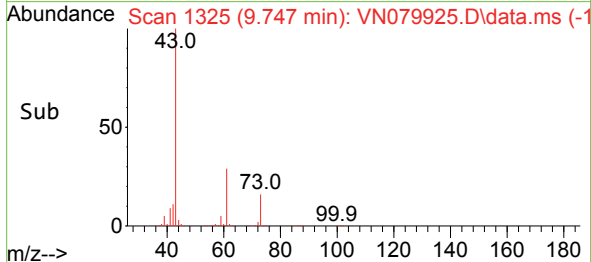
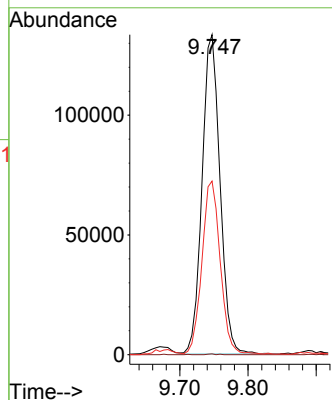
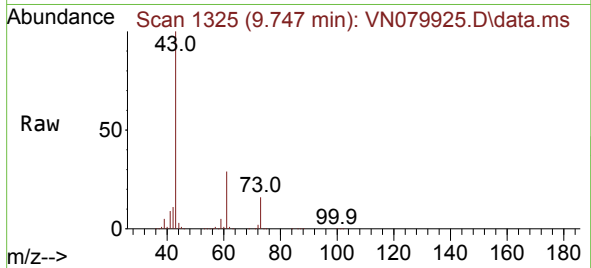




#48
Methyl methacrylate
Concen: 67.220 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.065 min
Lab File: VN079925.D
Acq: 06 Nov 2023 16:09

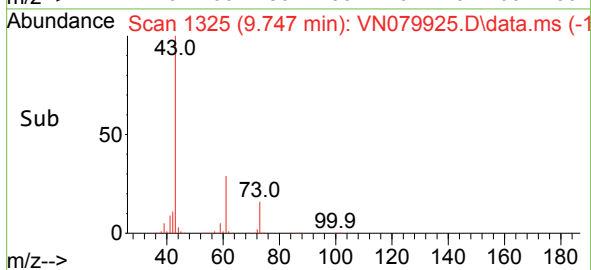
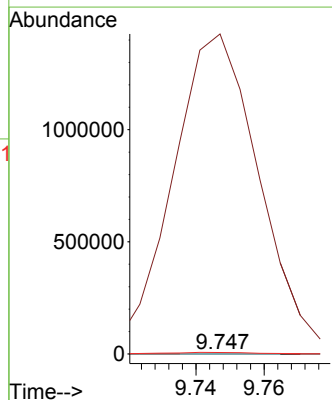
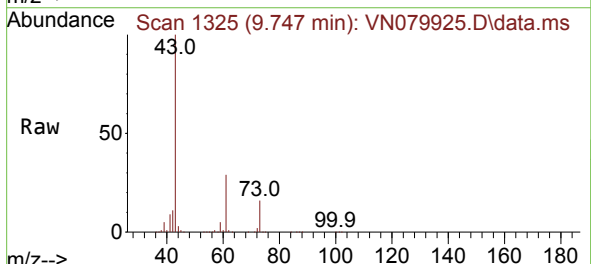
Instrument :
MSVOA_N
ClientSampleId :

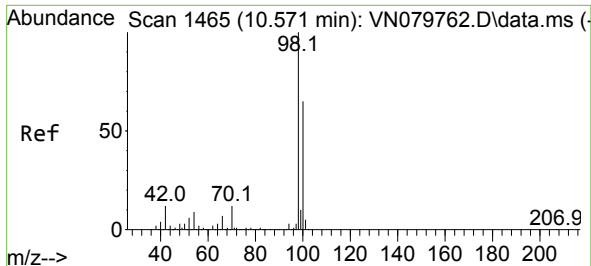
Tgt Ion: 41 Resp: 243912
Ion Ratio Lower Upper
41 100
69 0.1 90.4 135.6#
39 55.2 54.6 81.8



#49
1,4-Dioxane
Concen: 2.698 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.053 min
Lab File: VN079925.D
Acq: 06 Nov 2023 16:09

Tgt Ion: 88 Resp: 173
Ion Ratio Lower Upper
88 100
43 1475810.4 17.0 25.6#
58 7717.3 47.0 70.4#

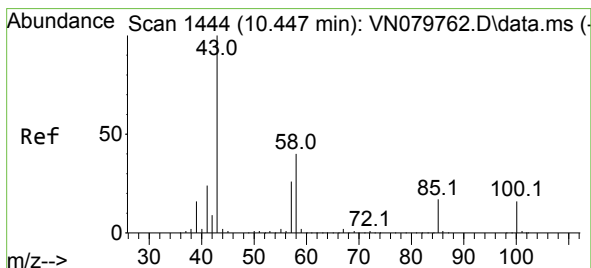
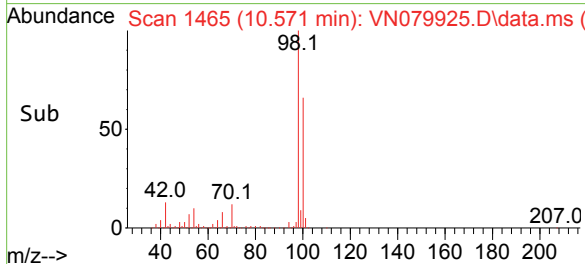
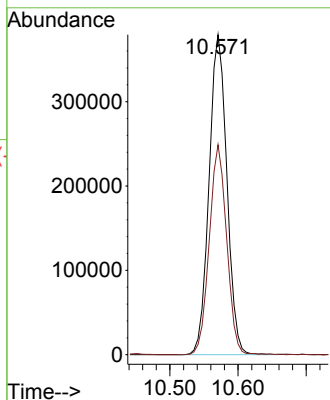
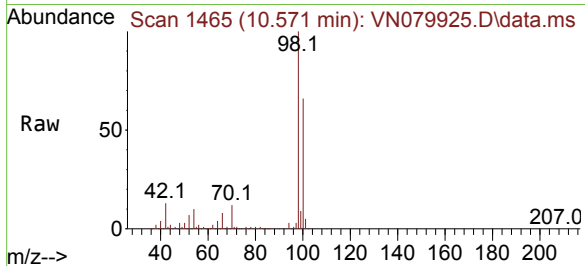




#50
Toluene-d8
Concen: 51.922 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079925.D
Acq: 06 Nov 2023 16:09

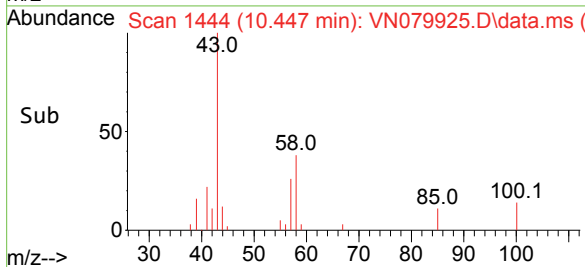
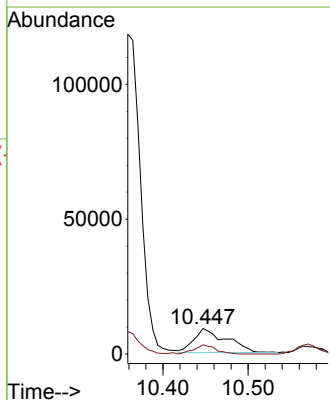
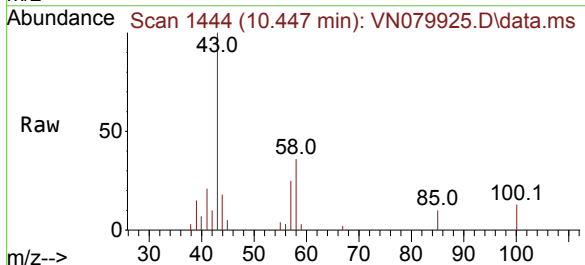
Instrument :
MSVOA_N
ClientSampleId :

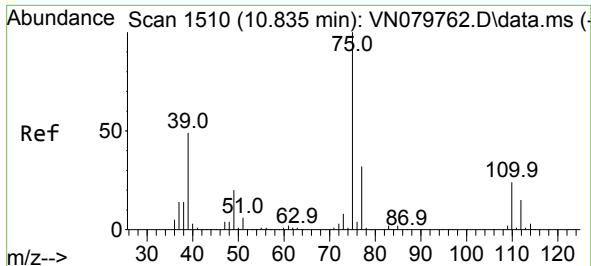
Tgt Ion: 98 Resp: 689525
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 5.079 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079925.D
Acq: 06 Nov 2023 16:09

Tgt Ion: 43 Resp: 23686
Ion Ratio Lower Upper
43 100
58 25.4 36.6 54.8#

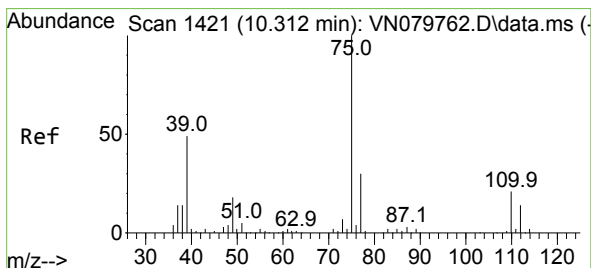
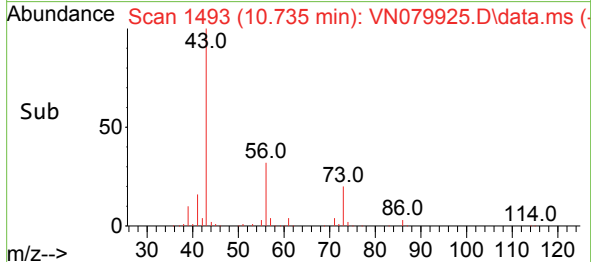
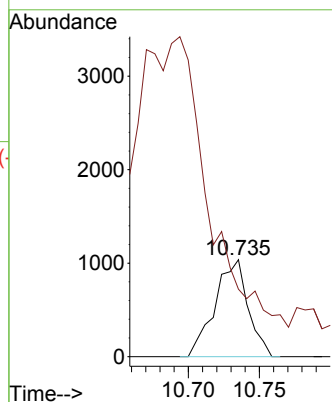
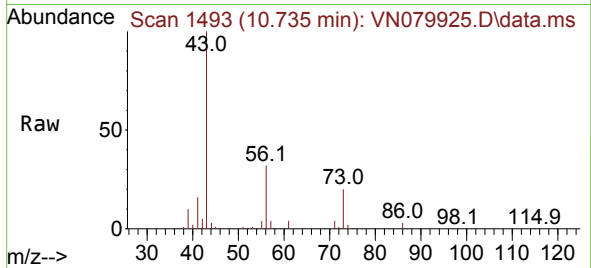




#53
 t-1,3-Dichloropropene
 Concen: 0.299 ug/l
 RT: 10.735 min Scan# 1493
 Delta R.T. -0.106 min
 Lab File: VN079925.D
 Acq: 06 Nov 2023 16:09

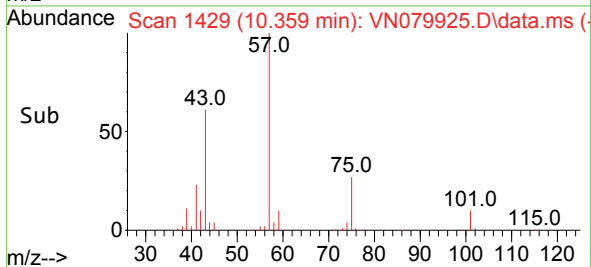
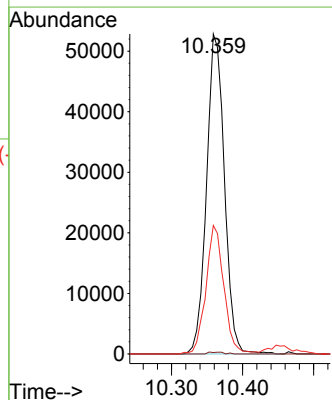
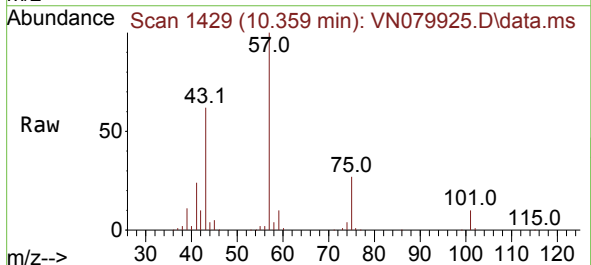
Instrument :
 MSVOA_N
 ClientSampleId :

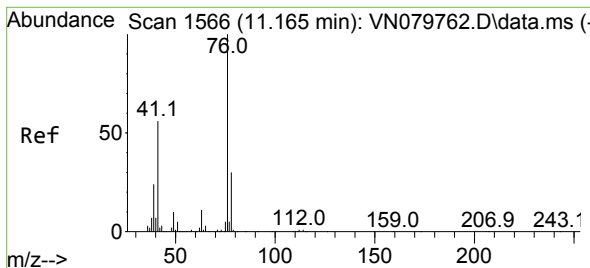
Tgt Ion: 75 Resp: 1684
 Ion Ratio Lower Upper
 75 100
 77 26.3 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 15.111 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN079925.D
 Acq: 06 Nov 2023 16:09

Tgt Ion: 75 Resp: 92701
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.1 39.1#
 39 40.2 31.6 47.4

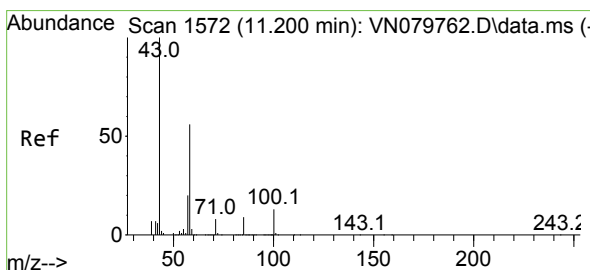
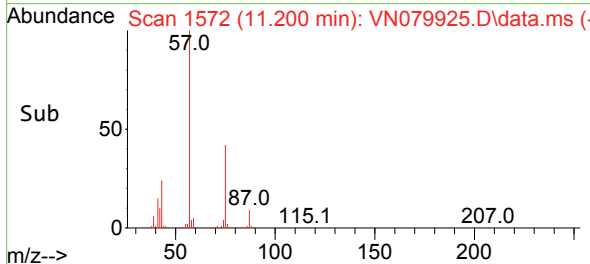
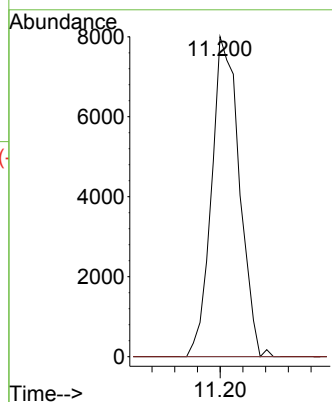
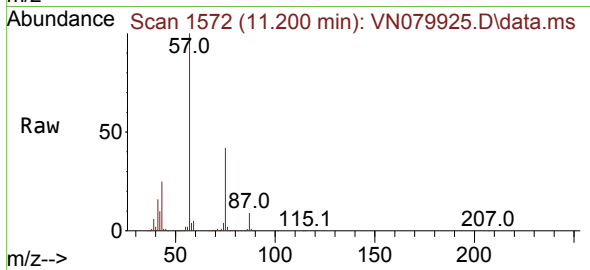




#57
1,3-Dichloropropane
Concen: 2.097 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN079925.D
Acq: 06 Nov 2023 16:09

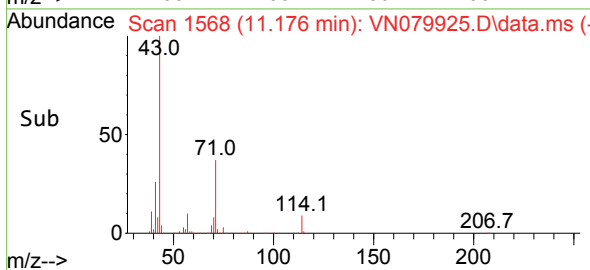
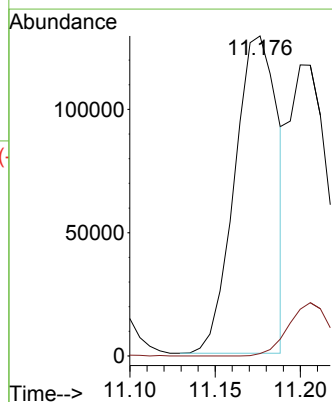
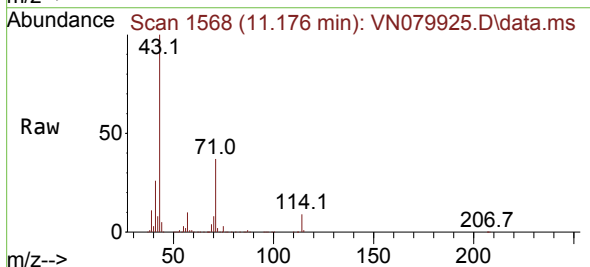
Instrument :
MSVOA_N
ClientSampleId :

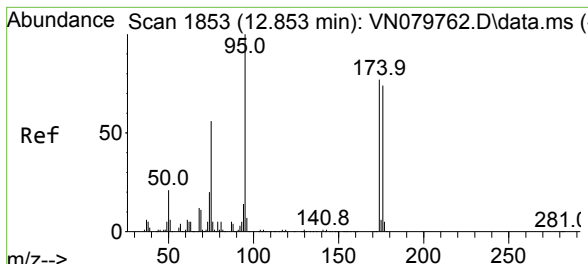
Tgt Ion: 76 Resp: 13597
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 63.535 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.024 min
Lab File: VN079925.D
Acq: 06 Nov 2023 16:09

Tgt Ion: 43 Resp: 226685
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

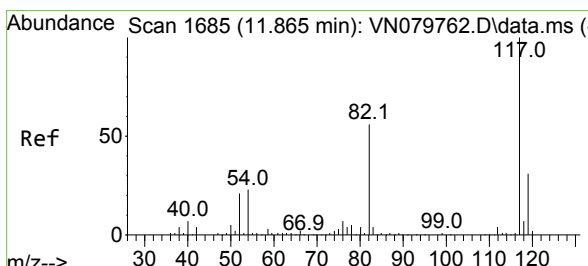
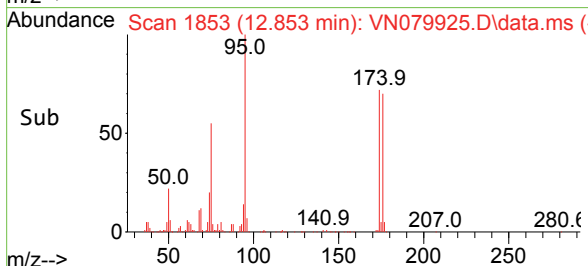
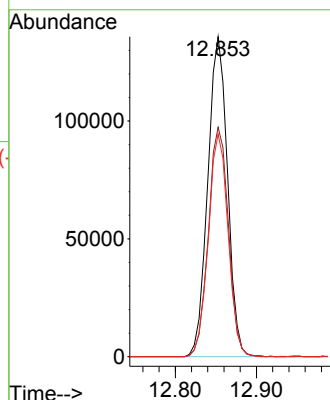
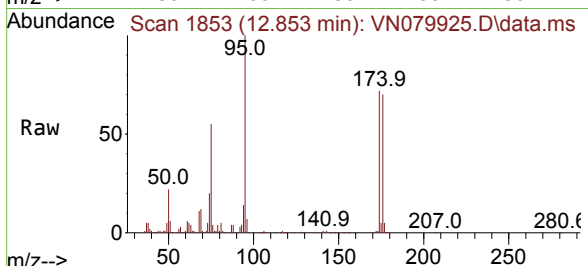




#62
4-Bromofluorobenzene
Concen: 51.968 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079925.D
Acq: 06 Nov 2023 16:09

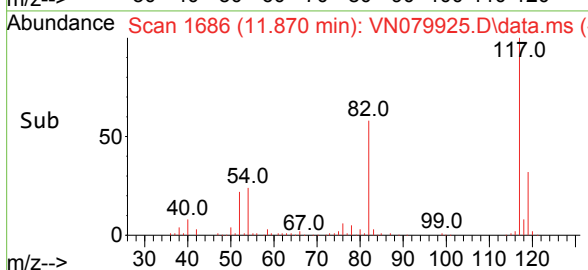
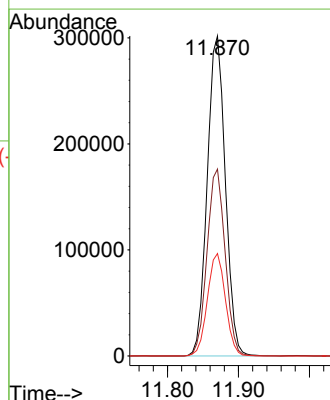
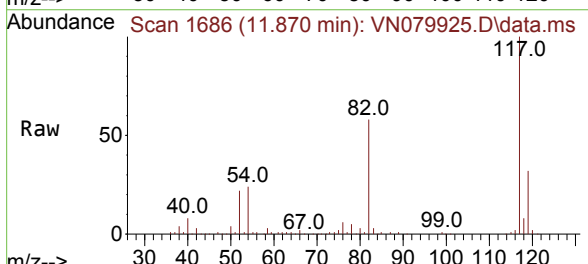
Instrument :
MSVOA_N
ClientSampleId :

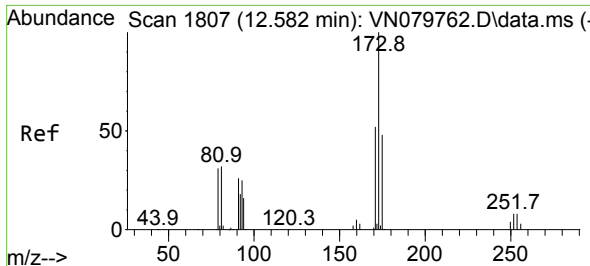
Tgt Ion:	95	Resp:	228883
Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	143.8
176	69.7	0.0	135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079925.D
Acq: 06 Nov 2023 16:09

Tgt Ion:	117	Resp:	535483
Ion	Ratio	Lower	Upper
117	100		
82	58.4	44.0	66.0
119	32.0	25.6	38.4

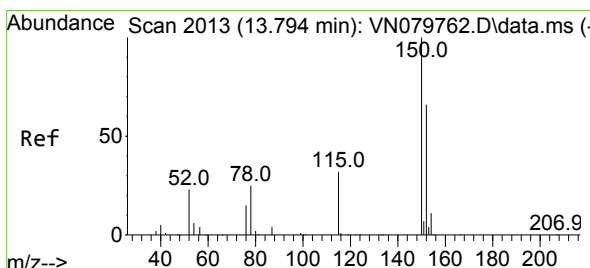
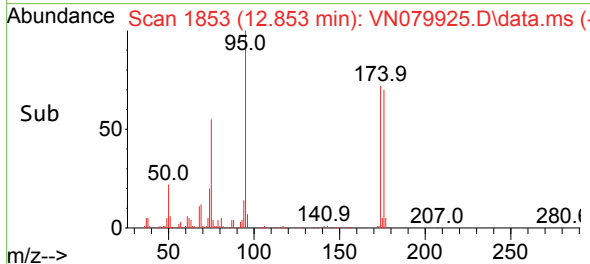
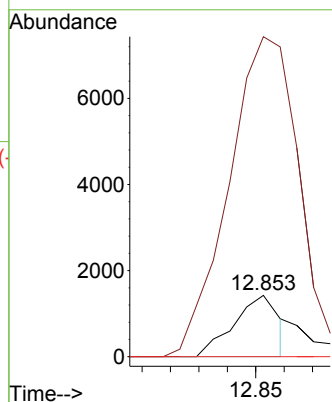
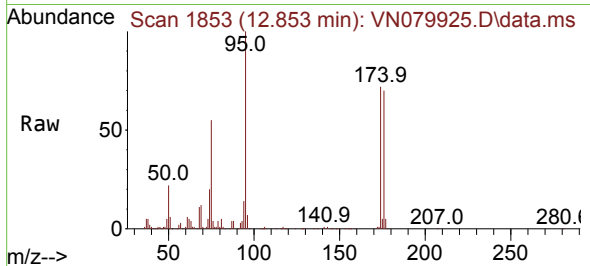




#71
Bromoform
Concen: 0.530 ug/l
RT: 12.853 min Scan# 1807
Delta R.T. 0.271 min
Lab File: VN079925.D
Acq: 06 Nov 2023 16:09

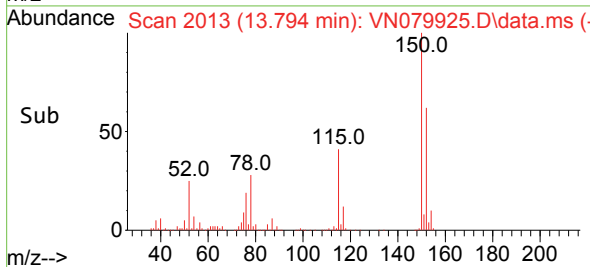
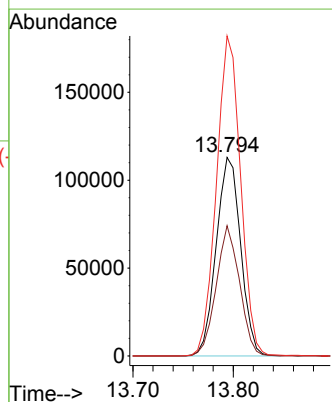
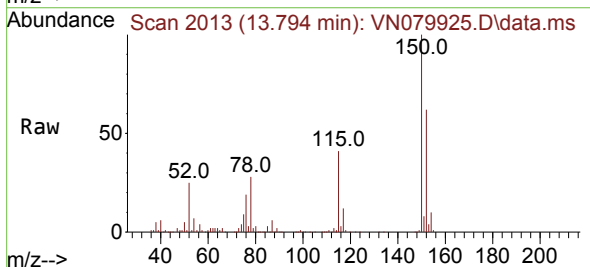
Instrument :
MSVOA_N
ClientSampleId :

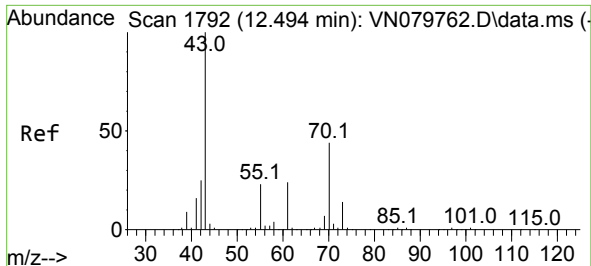
Tgt Ion:173 Resp: 1576
Ion Ratio Lower Upper
173 100
175 644.2 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN079925.D
Acq: 06 Nov 2023 16:09

Tgt Ion:152 Resp: 191329
Ion Ratio Lower Upper
152 100
115 62.7 32.3 96.8
150 159.6 0.0 355.8

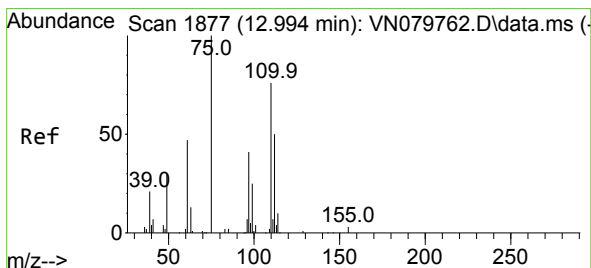
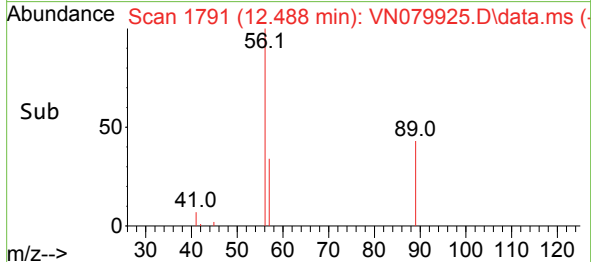
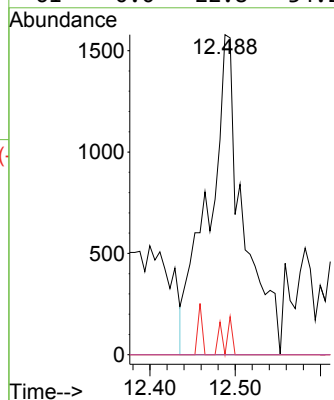
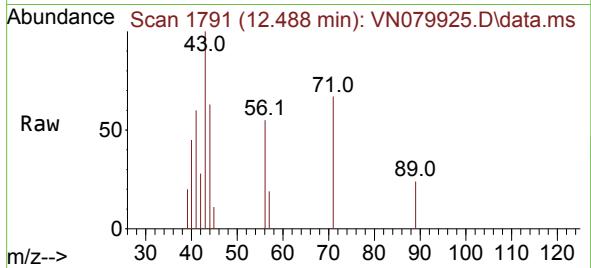




#74
N-amy1 acetate
Concen: 0.703 ug/l
RT: 12.488 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN079925.D
Acq: 06 Nov 2023 16:09

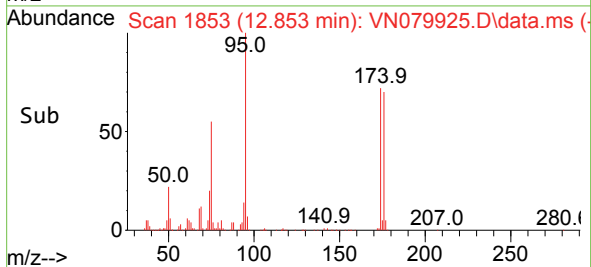
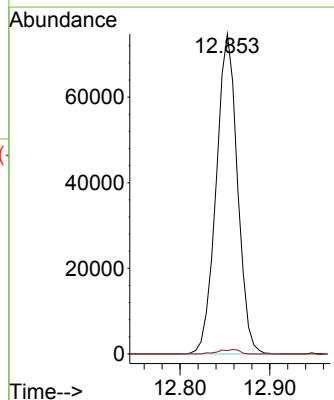
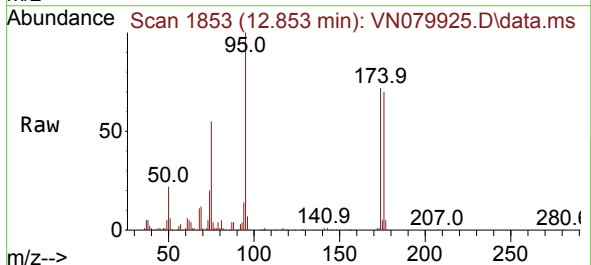
Instrument :
MSVOA_N
ClientSampleId :

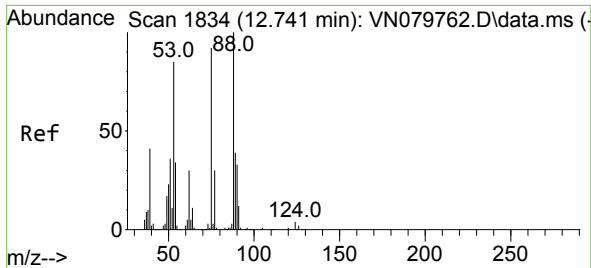
Tgt Ion: 43	Resp: 4458
Ion Ratio	Lower Upper
43	100
70	0.0 43.4 65.2#
55	0.0 21.4 32.0#
61	0.0 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 27.383 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079925.D
Acq: 06 Nov 2023 16:09

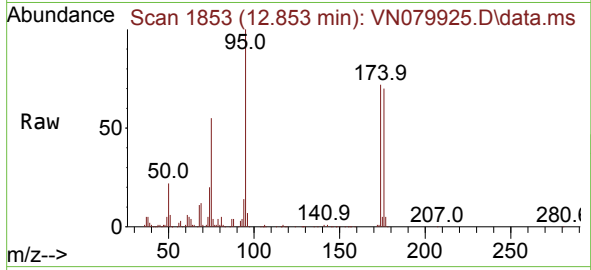
Tgt Ion: 75	Resp: 122999
Ion Ratio	Lower Upper
75	100
77	1.4 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.502 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN079925.D
 Acq: 06 Nov 2023 16:09

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 122999
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.1 38.8 58.2#

