

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100423\
 Data File : VN079409.D
 Acq On : 04 Oct 2023 17:36
 Operator : JC\MD
 Sample : PB156087TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 05 02:24:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

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

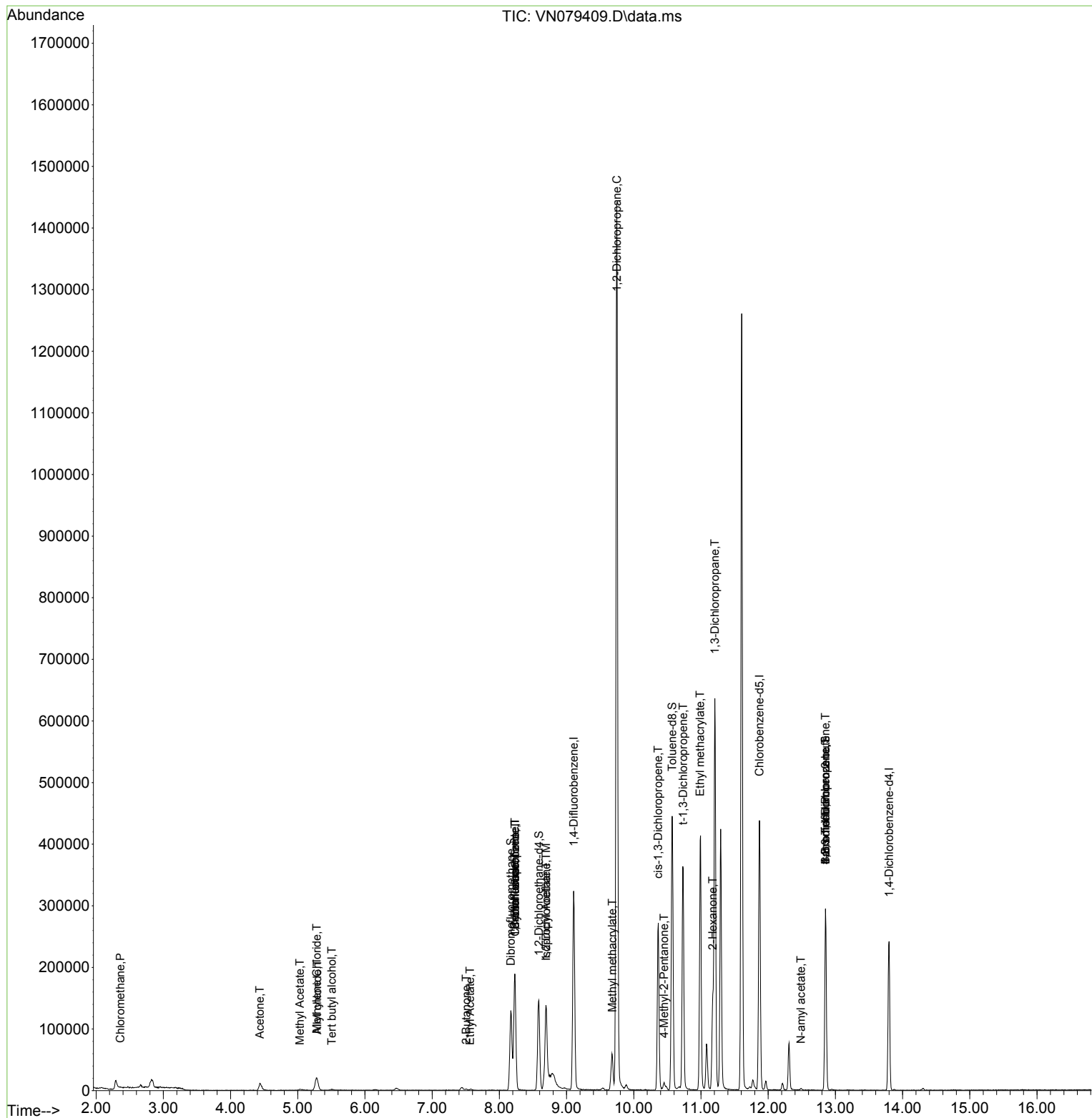
Internal Standards						
1) Pentafluorobenzene	8.230	168	128678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	266579	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	244332	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	62548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	118203	68.049	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 136.100%#			
35) Dibromofluoromethane	8.171	113	89725	50.600	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.200%			
50) Toluene-d8	10.571	98	302510	46.461	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.920%			
62) 4-Bromofluorobenzene	12.853	95	94842	45.665	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.340%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	437	0.261	ug/l #	70
6) Chloroethane	3.112	64	223	Below Cal	#	72
11) Tert butyl alcohol	5.506	59	807	2.516	ug/l #	72
14) Allyl chloride	5.289	41	475	0.217	ug/l #	19
16) Acetone	4.436	43	22127	29.994	ug/l	100
18) Methyl Acetate	5.030	43	3679	1.213	ug/l #	59
20) Methylene Chloride	5.283	84	15634	8.708	ug/l #	89
25) 2-Butanone	7.506	43	3583	3.347	ug/l #	86
31) Cyclohexane	8.230	56	3858	1.521	ug/l #	47
36) 1,1-Dichloropropene	8.236	75	12476	4.565	ug/l #	48
37) Ethyl Acetate	7.565	43	3136	1.150	ug/l #	63
38) Carbon Tetrachloride	8.236	117	14679	5.190	ug/l #	14
42) 1,2-Dichloroethane	8.694	62	746	0.259	ug/l #	73
43) Isopropyl Acetate	8.694	43	166062	37.332	ug/l #	75
45) 1,2-Dichloropropane	9.747	63	1475	0.710	ug/l #	45
48) Methyl methacrylate	9.682	41	4041	2.028	ug/l #	3
51) 4-Methyl-2-Pentanone	10.453	43	12601	4.880	ug/l #	63
53) t-1,3-Dichloropropene	10.735	75	961	0.316	ug/l #	64
54) cis-1,3-Dichloropropene	10.365	75	43610	13.393	ug/l #	72
56) Ethyl methacrylate	10.988	69	2426	0.852	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6151	1.764	ug/l #	42
58) 2-Chloroethyl Vinyl ether	10.165	63	295	Below Cal	#	42
59) 2-Hexanone	11.177	43	123553	66.062	ug/l #	19
71) Bromoform	12.853	173	846	0.552	ug/l #	1
74) N-amyl acetate	12.488	43	1700	0.787	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	52902	31.382	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	52902	86.275	ug/l #	15

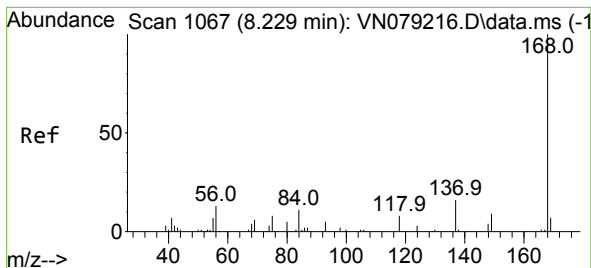
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 05 02:24:32 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 05:05:24 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079409.D

Acq: 04 Oct 2023 17:36

Instrument :

MSVOA_N

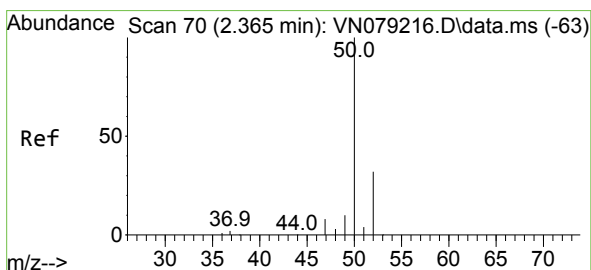
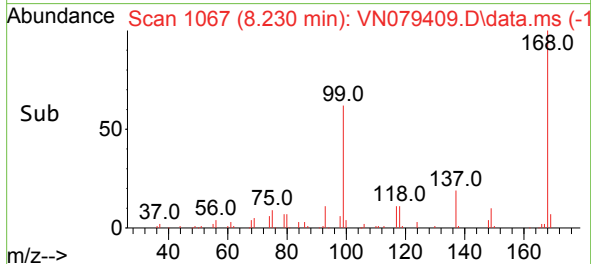
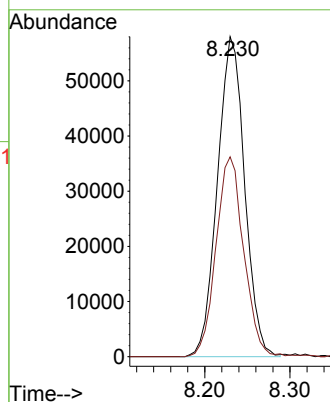
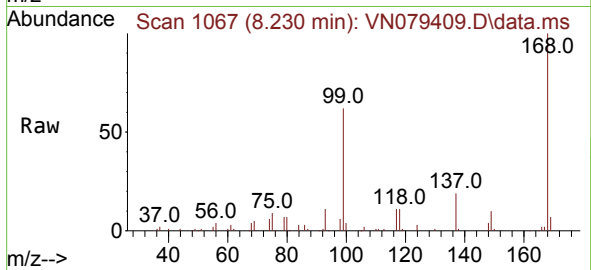
ClientSampleId :

Tgt Ion:168 Resp: 128678

Ion Ratio Lower Upper

168 100

99 62.4 53.0 79.6



#3

Chloromethane

Concen: 0.261 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.012 min

Lab File: VN079409.D

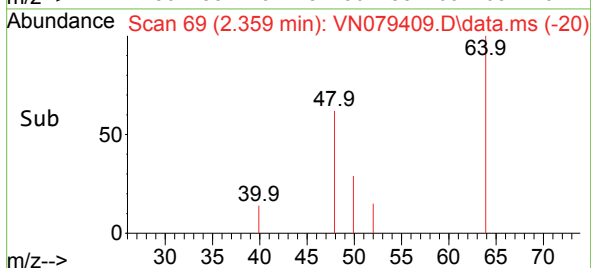
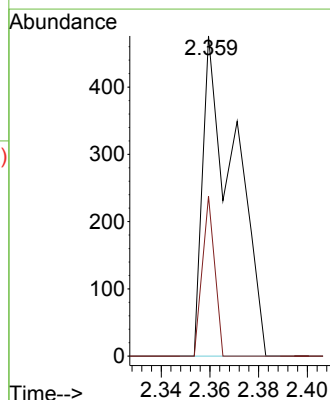
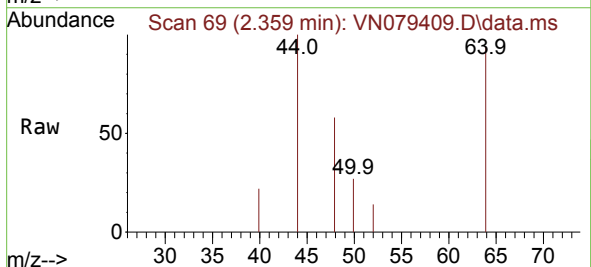
Acq: 04 Oct 2023 17:36

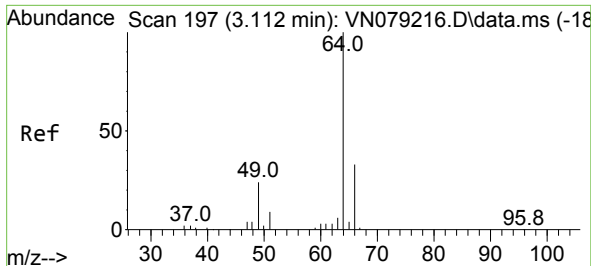
Tgt Ion: 50 Resp: 437

Ion Ratio Lower Upper

50 100

52 50.0 26.5 39.7#

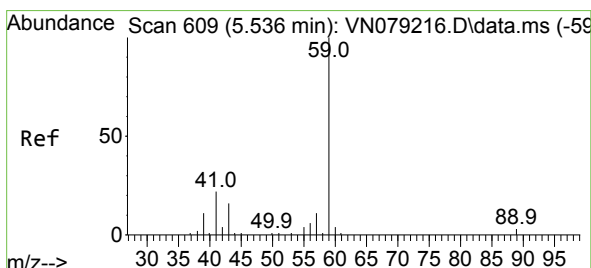
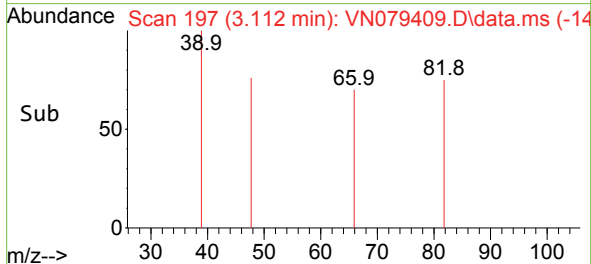
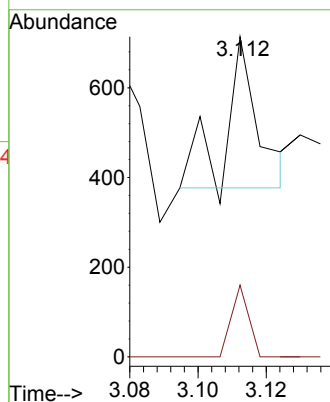
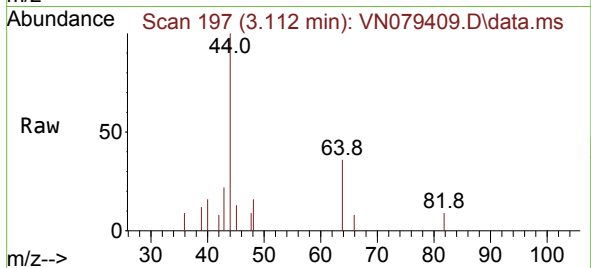




#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN079409.D
Acq: 04 Oct 2023 17:36

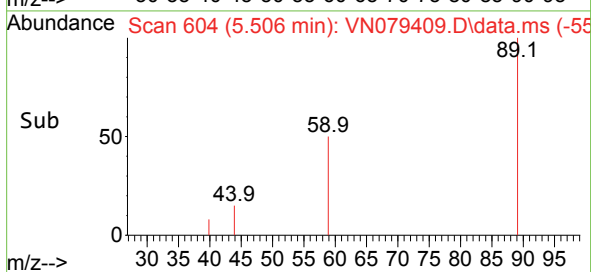
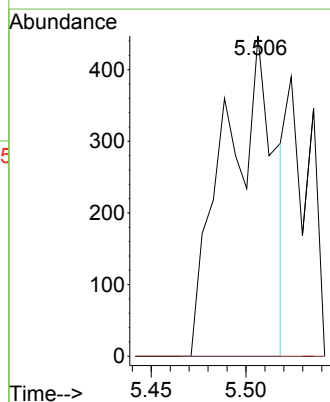
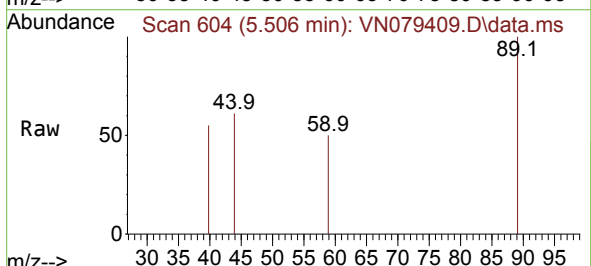
Instrument :
MSVOA_N
ClientSampleId :

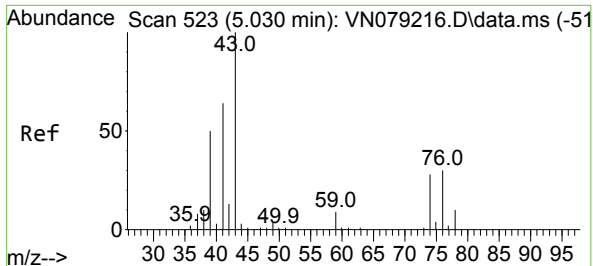
Tgt Ion: 64 Resp: 223
Ion Ratio Lower Upper
64 100
66 47.5 25.4 38.2#



#11
Tert butyl alcohol
Concen: 2.516 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.036 min
Lab File: VN079409.D
Acq: 04 Oct 2023 17:36

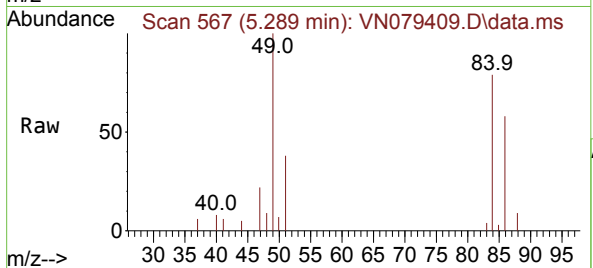
Tgt Ion: 59 Resp: 807
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



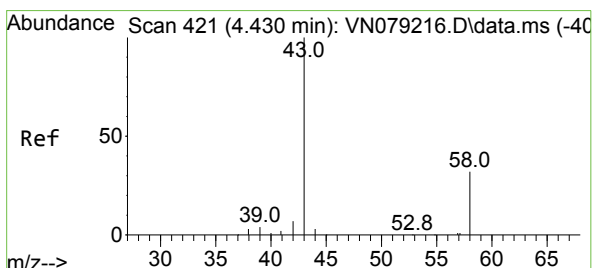
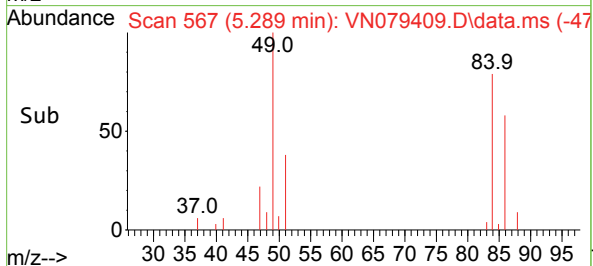
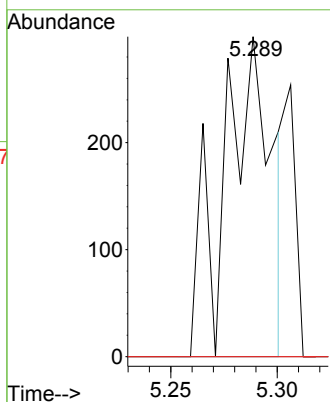


#14
 Allyl chloride
 Concen: 0.217 ug/l
 RT: 5.289 min Scan# 50
 Delta R.T. 0.259 min
 Lab File: VN079409.D
 Acq: 04 Oct 2023 17:36

Instrument :
 MSVOA_N
 ClientSampleId :

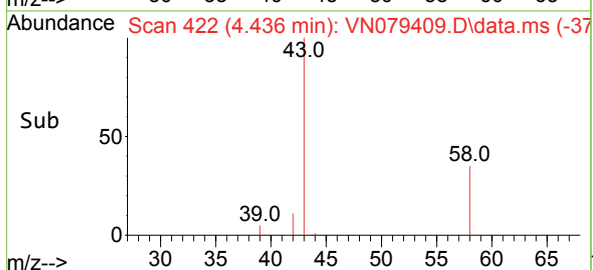
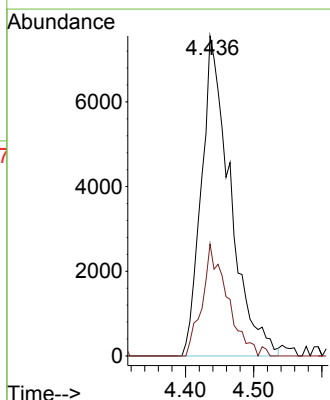
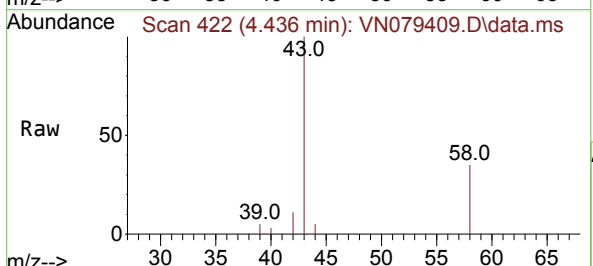


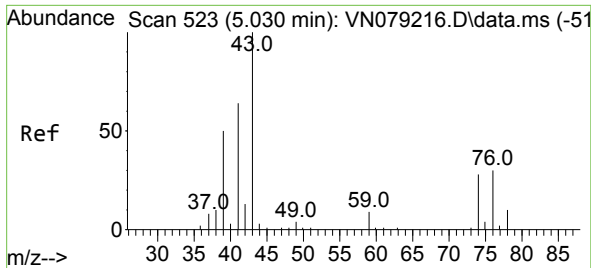
Tgt Ion: 41 Resp: 475
 Ion Ratio Lower Upper
 41 100
 39 0.0 58.8 88.2#
 76 0.0 39.1 58.7#



#16
 Acetone
 Concen: 29.994 ug/l
 RT: 4.436 min Scan# 422
 Delta R.T. -0.006 min
 Lab File: VN079409.D
 Acq: 04 Oct 2023 17:36

Tgt Ion: 43 Resp: 22127
 Ion Ratio Lower Upper
 43 100
 58 35.0 28.0 42.0

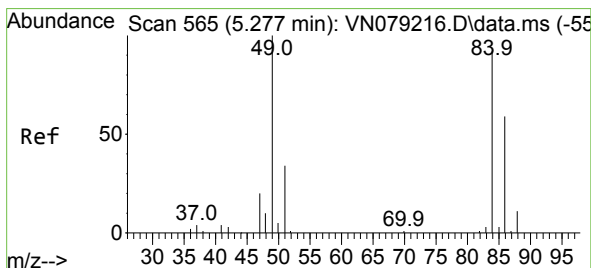
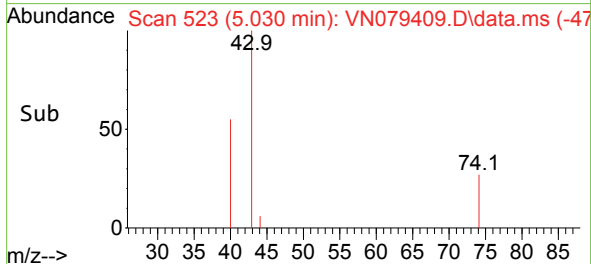
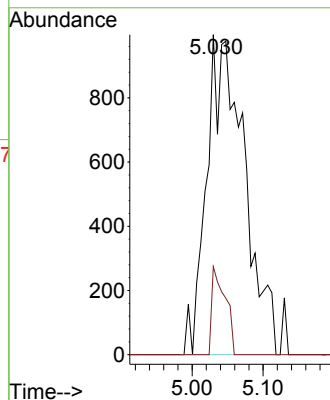
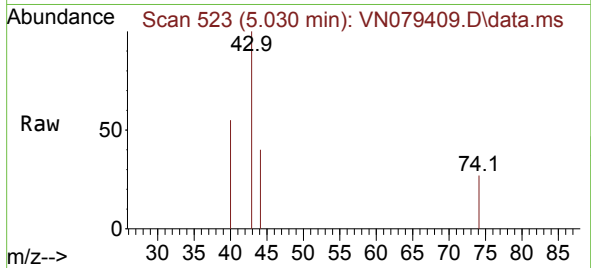




#18
Methyl Acetate
Concen: 1.213 ug/l
RT: 5.030 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN079409.D
Acq: 04 Oct 2023 17:36

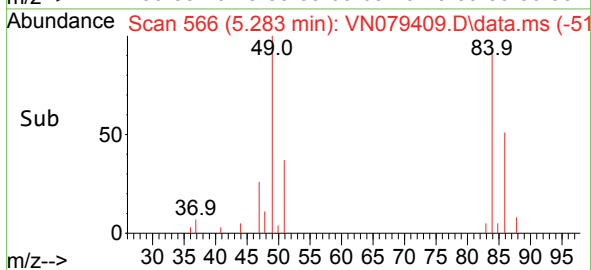
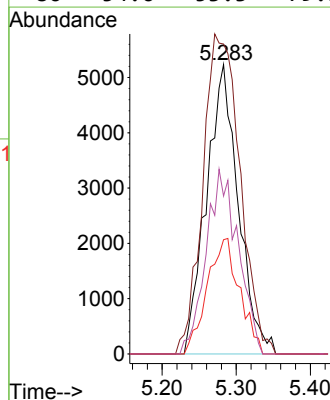
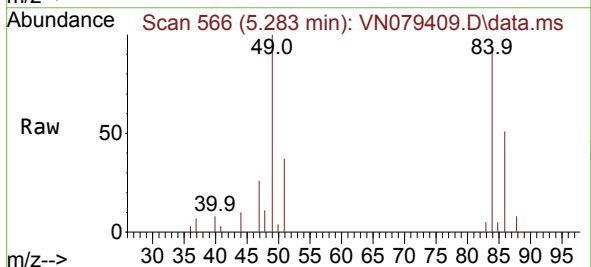
Instrument :
MSVOA_N
ClientSampleId :

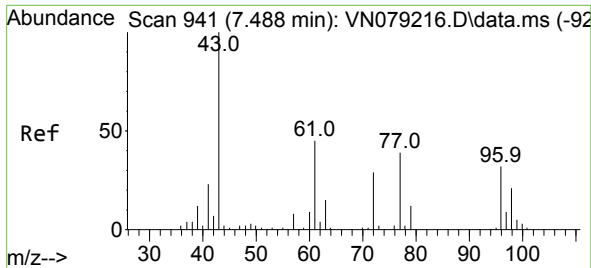
Tgt Ion: 43 Resp: 3679
Ion Ratio Lower Upper
43 100
74 9.8 26.2 39.4#



#20
Methylene Chloride
Concen: 8.708 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN079409.D
Acq: 04 Oct 2023 17:36

Tgt Ion: 84 Resp: 15634
Ion Ratio Lower Upper
84 100
49 107.1 79.7 119.5
51 39.5 25.2 37.8#
86 54.6 53.3 79.9

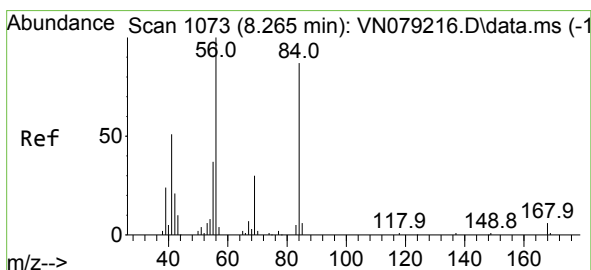
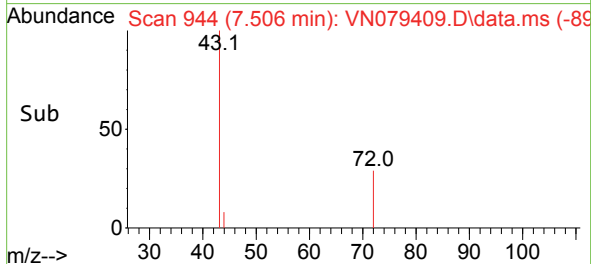
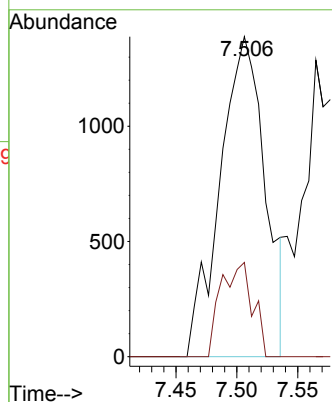
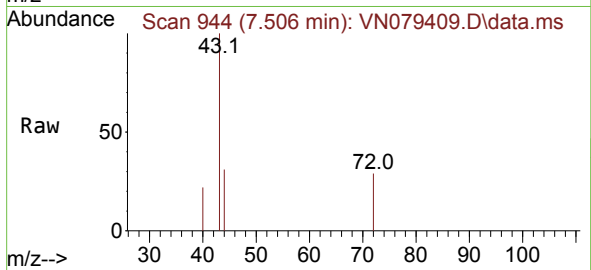




#25
2-Butanone
Concen: 3.347 ug/l
RT: 7.506 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN079409.D
Acq: 04 Oct 2023 17:36

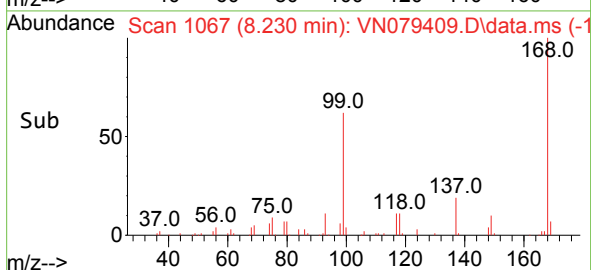
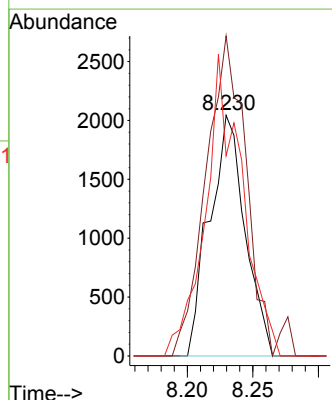
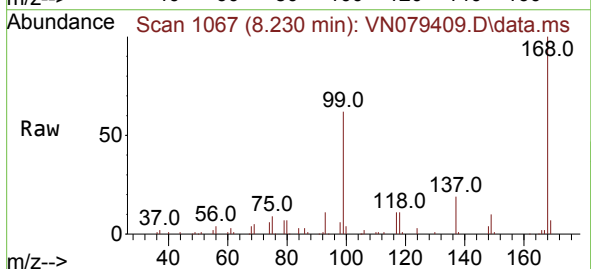
Instrument :
MSVOA_N
ClientSampleId :

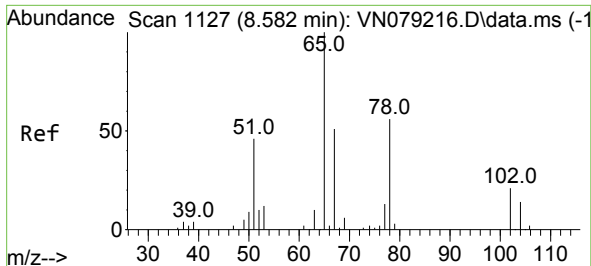
Tgt Ion: 43 Resp: 3583
Ion Ratio Lower Upper
43 100
72 29.4 30.2 45.2#



#31
Cyclohexane
Concen: 1.521 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079409.D
Acq: 04 Oct 2023 17:36

Tgt Ion: 56 Resp: 3858
Ion Ratio Lower Upper
56 100
69 123.4 26.8 40.2#
84 83.2 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 68.049 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN079409.D

Acq: 04 Oct 2023 17:36

Instrument :

MSVOA_N

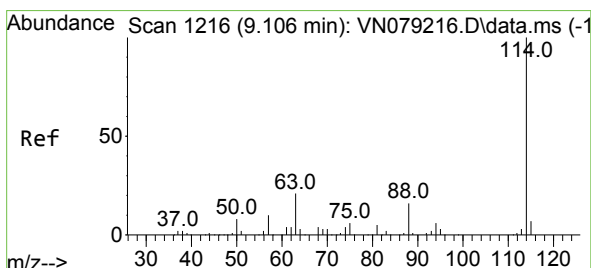
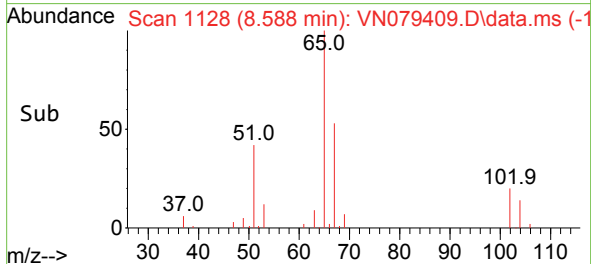
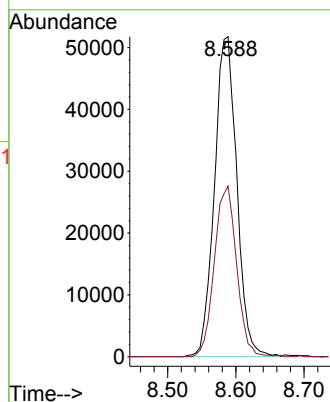
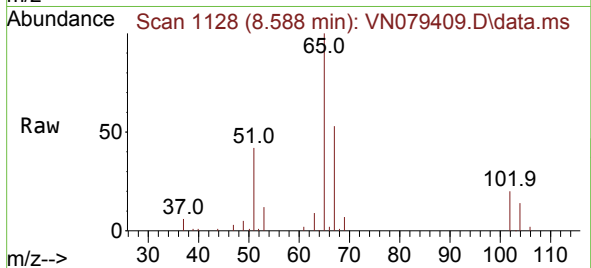
ClientSampleId :

Tgt Ion: 65 Resp: 118203

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# 1216

Delta R.T. -0.006 min

Lab File: VN079409.D

Acq: 04 Oct 2023 17:36

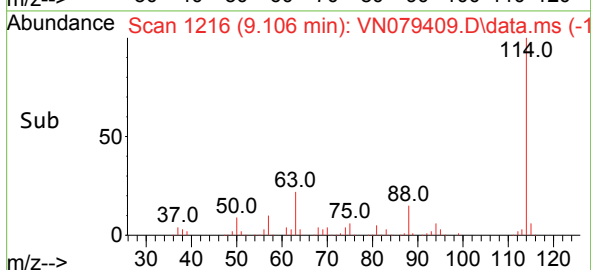
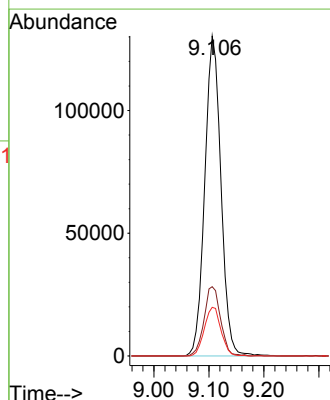
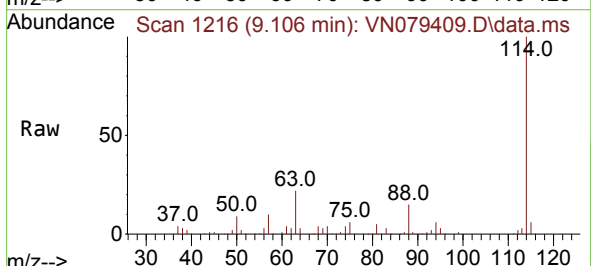
Tgt Ion:114 Resp: 266579

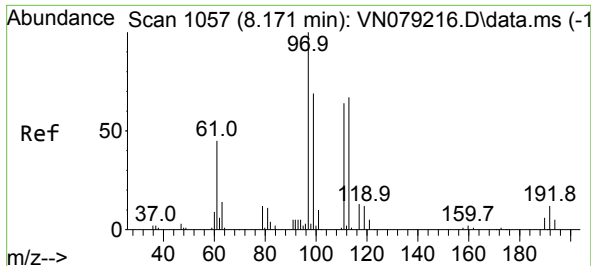
Ion Ratio Lower Upper

114 100

63 21.7 0.0 36.4

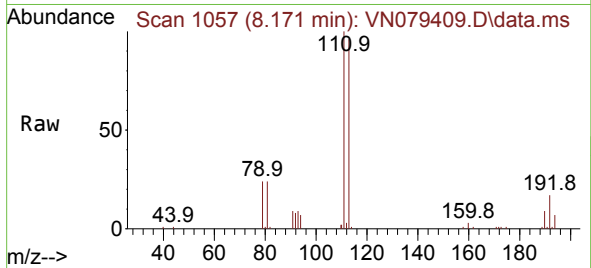
88 15.2 0.0 30.6



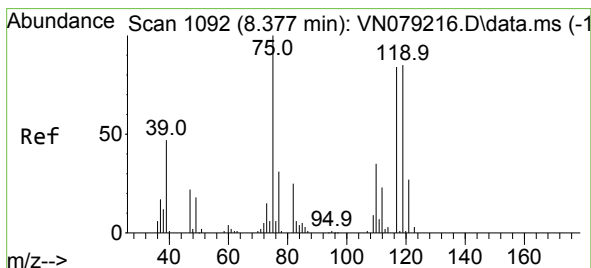
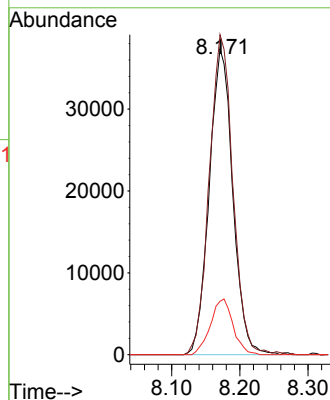
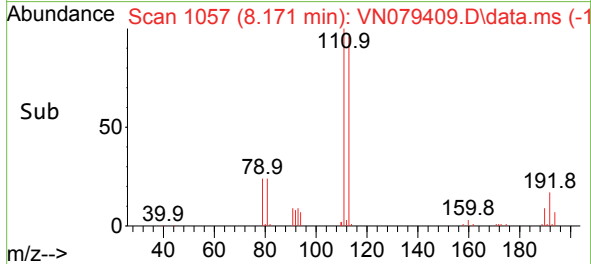


#35
Dibromofluoromethane
Concen: 50.600 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079409.D
Acq: 04 Oct 2023 17:36

Instrument :
MSVOA_N
ClientSampleId :

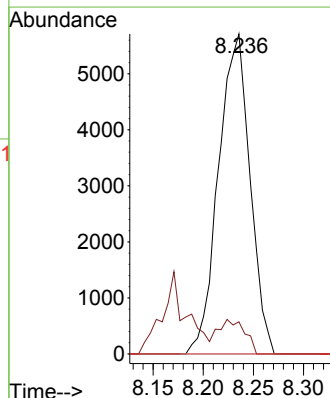
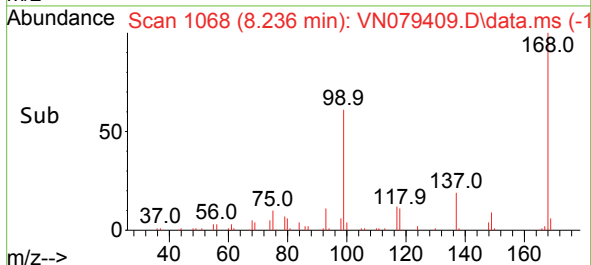
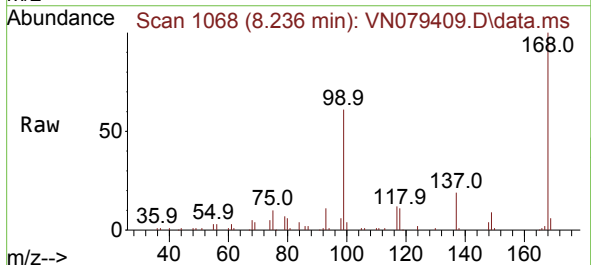


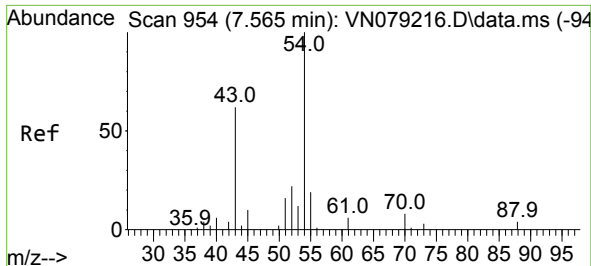
Tgt Ion:113 Resp: 89725
Ion Ratio Lower Upper
113 100
111 104.7 82.6 123.8
192 17.5 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.565 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN079409.D
Acq: 04 Oct 2023 17:36

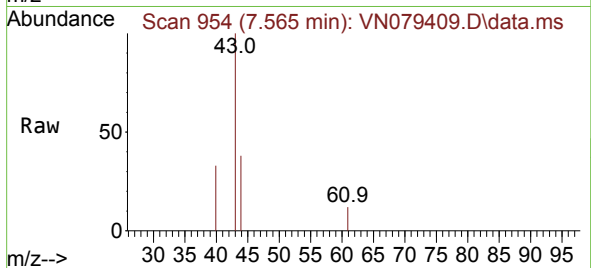
Tgt Ion: 75 Resp: 12476
Ion Ratio Lower Upper
75 100
110 9.2 19.1 57.3#
77 0.0 25.0 37.4#



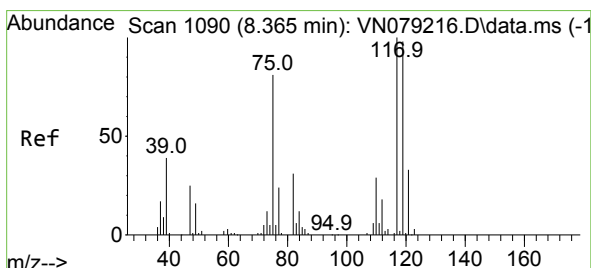
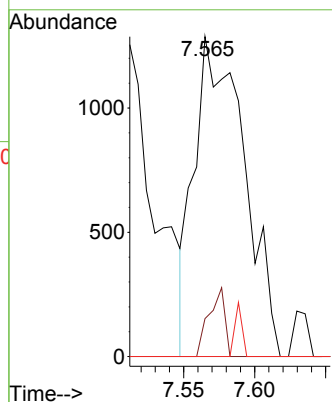
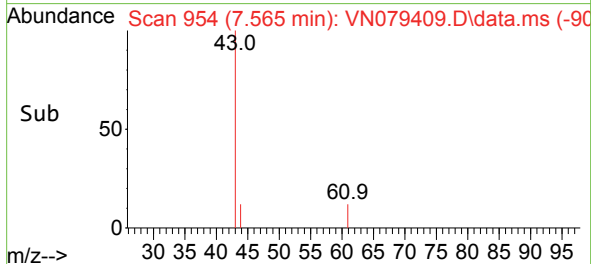


#37
Ethyl Acetate
Concen: 1.150 ug/l
RT: 7.565 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN079409.D
Acq: 04 Oct 2023 17:36

Instrument :
MSVOA_N
ClientSampleId :

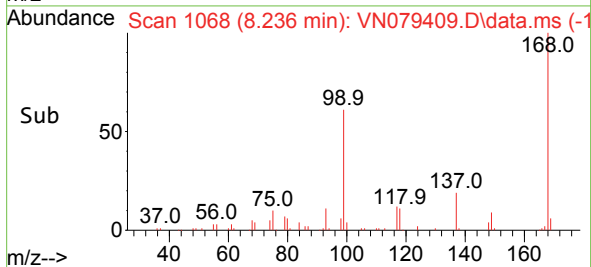
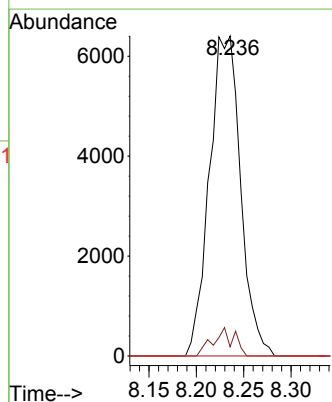
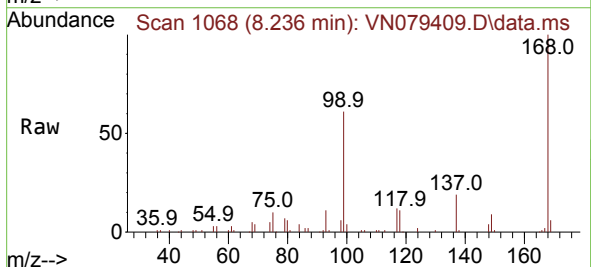


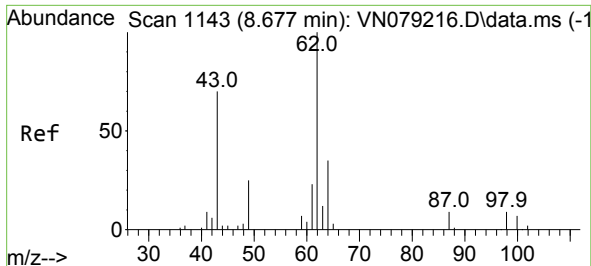
Tgt Ion: 43 Resp: 3136
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 0.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.190 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN079409.D
Acq: 04 Oct 2023 17:36

Tgt Ion: 117 Resp: 14679
Ion Ratio Lower Upper
117 100
119 2.9 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.259 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.017 min

Lab File: VN079409.D

Acq: 04 Oct 2023 17:36

Instrument :

MSVOA_N

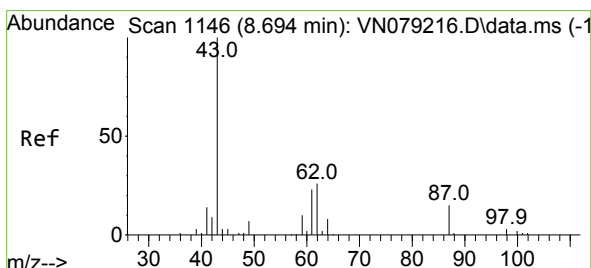
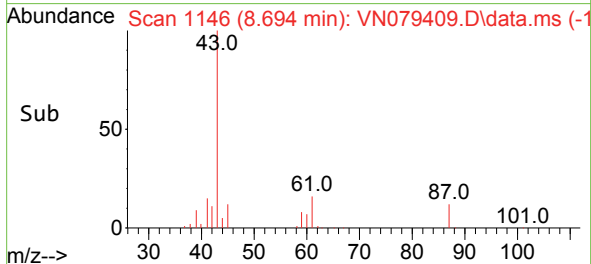
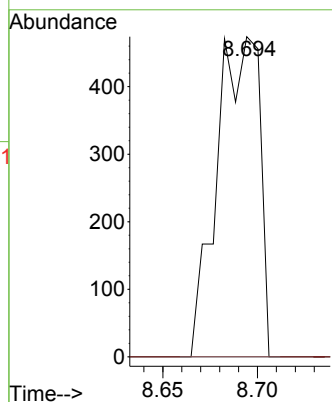
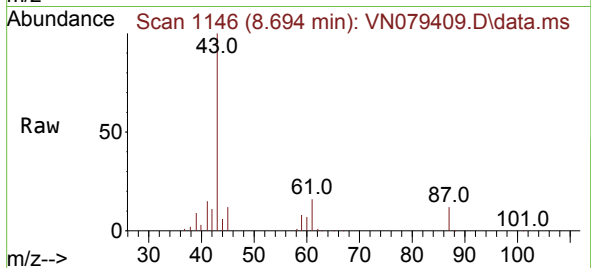
ClientSampleId :

Tgt Ion: 62 Resp: 746

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 37.332 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079409.D

Acq: 04 Oct 2023 17:36

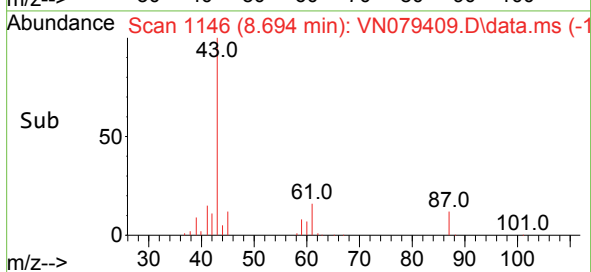
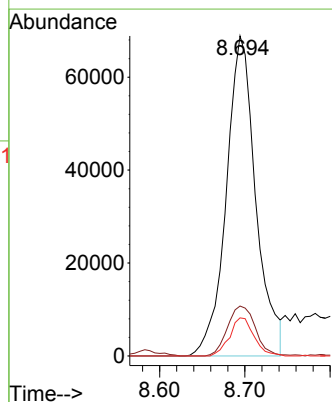
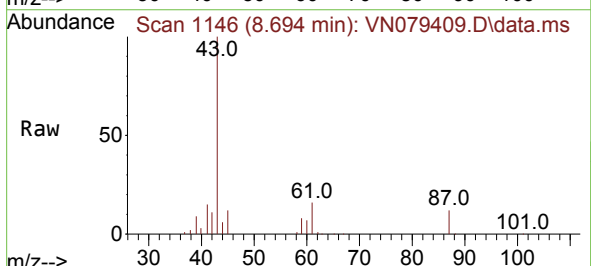
Tgt Ion: 43 Resp: 166062

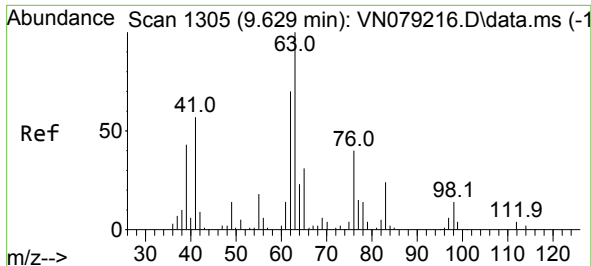
Ion Ratio Lower Upper

43 100

61 14.8 24.7 37.1#

87 9.9 14.6 21.8#

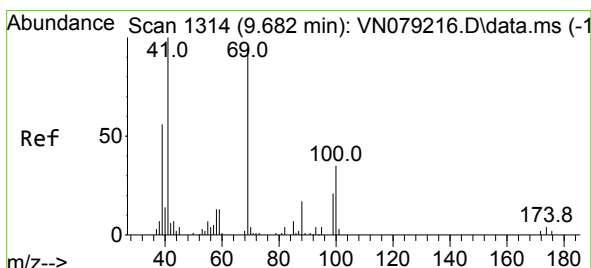
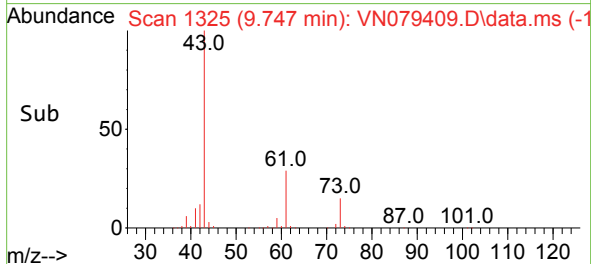
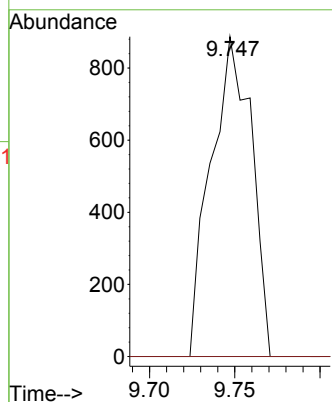
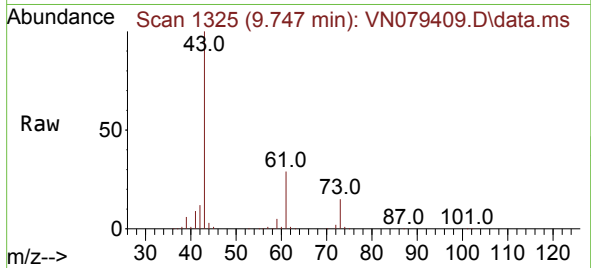




#45
1,2-Dichloropropane
Concen: 0.710 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.123 min
Lab File: VN079409.D
Acq: 04 Oct 2023 17:36

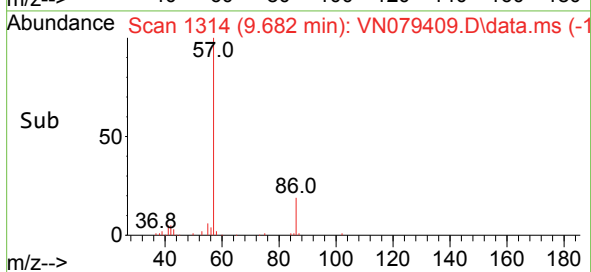
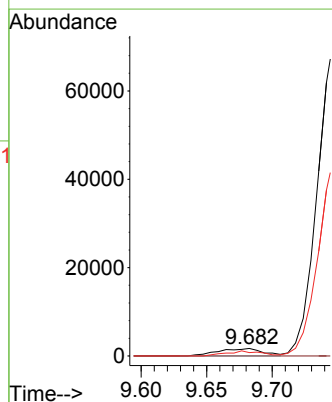
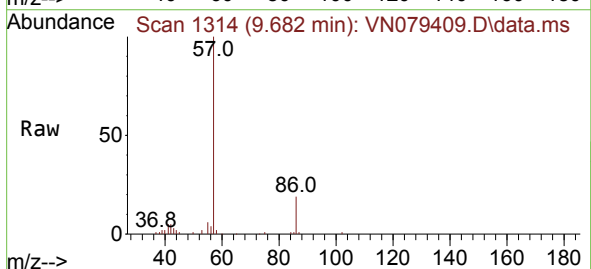
Instrument :
MSVOA_N
ClientSampleId :

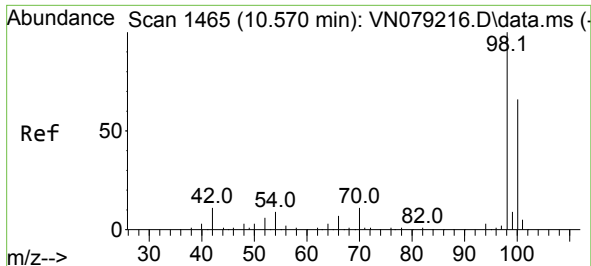
Tgt Ion: 63 Resp: 1475
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 2.028 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VN079409.D
Acq: 04 Oct 2023 17:36

Tgt Ion: 41 Resp: 4041
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 0.0 54.6 81.8#

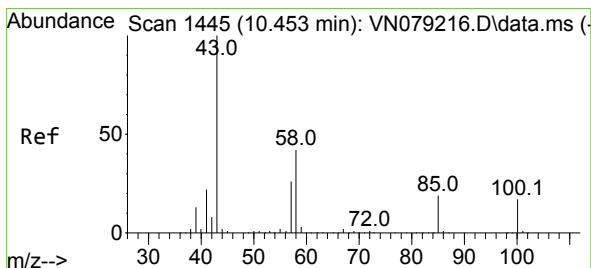
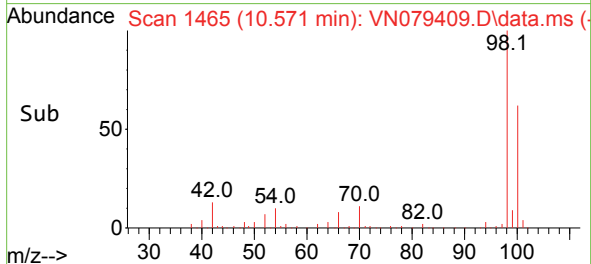
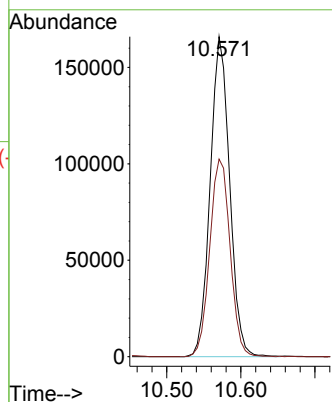
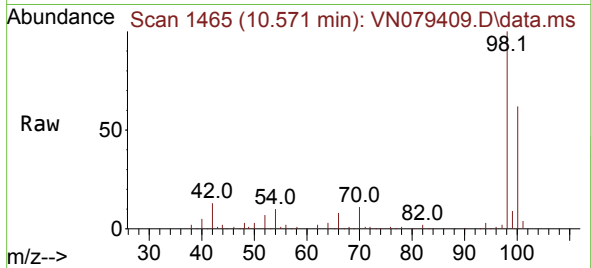




#50
Toluene-d8
Concen: 46.461 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079409.D
Acq: 04 Oct 2023 17:36

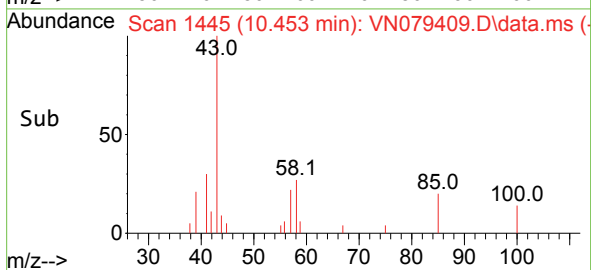
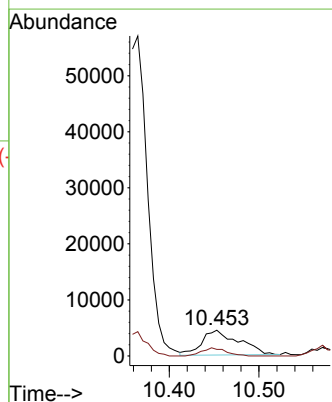
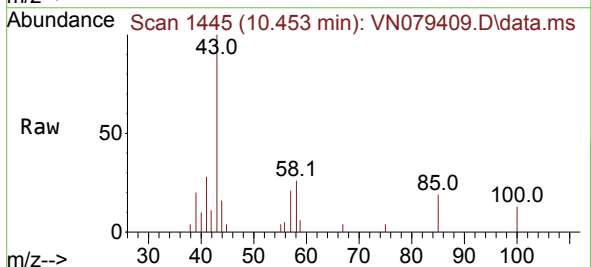
Instrument :
MSVOA_N
ClientSampleId :

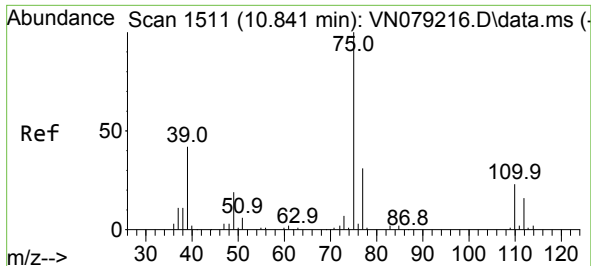
Tgt Ion: 98 Resp: 302510
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.880 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN079409.D
Acq: 04 Oct 2023 17:36

Tgt Ion: 43 Resp: 12601
Ion Ratio Lower Upper
43 100
58 21.4 36.6 54.8#

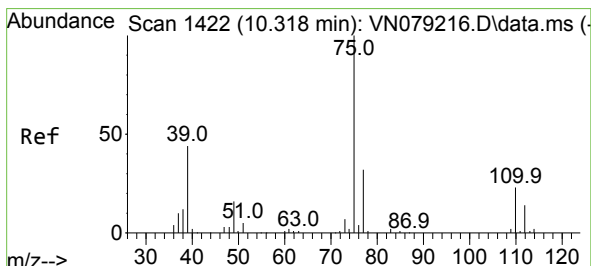
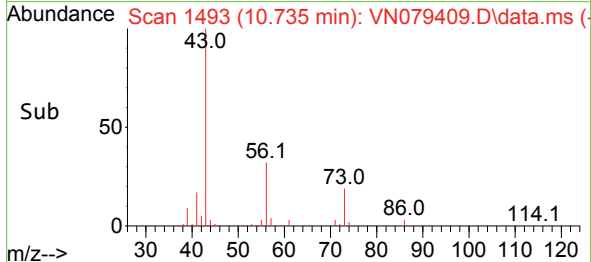
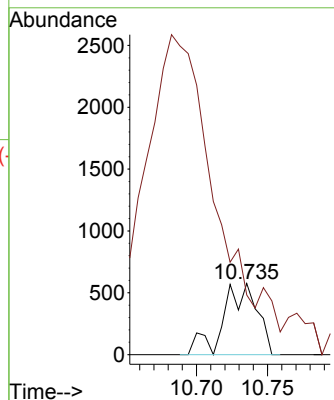
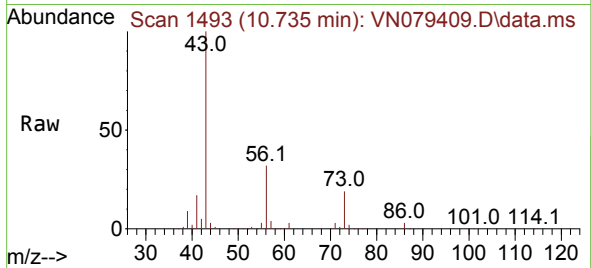




#53
 t-1,3-Dichloropropene
 Concen: 0.316 ug/l
 RT: 10.735 min Scan# 14
 Delta R.T. -0.106 min
 Lab File: VN079409.D
 Acq: 04 Oct 2023 17:36

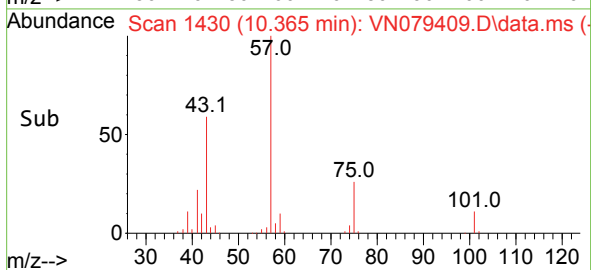
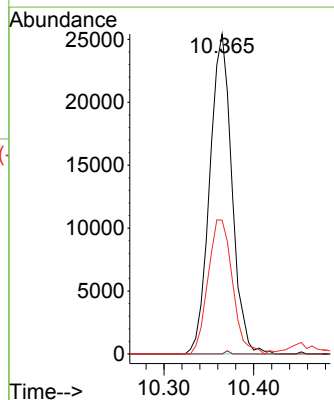
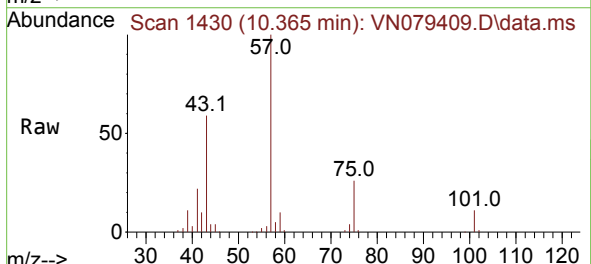
Instrument :
 MSVOA_N
 ClientSampleId :

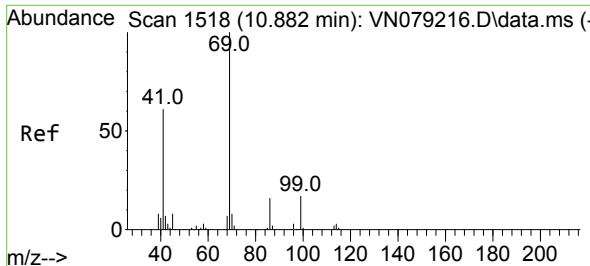
Tgt Ion: 75 Resp: 961
 Ion Ratio Lower Upper
 75 100
 77 51.8 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 13.393 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN079409.D
 Acq: 04 Oct 2023 17:36

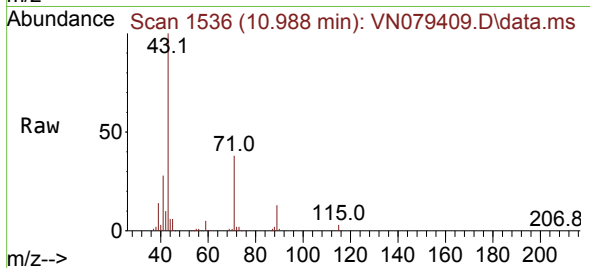
Tgt Ion: 75 Resp: 43610
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 41.8 31.6 47.4



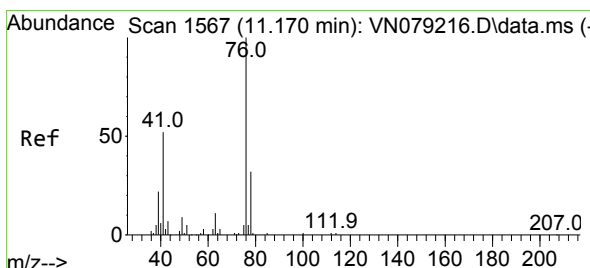
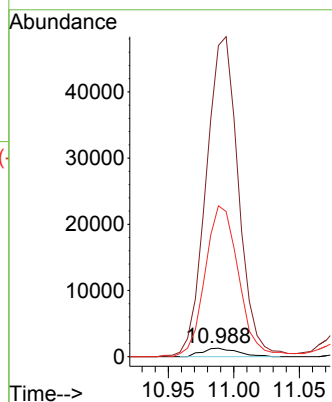
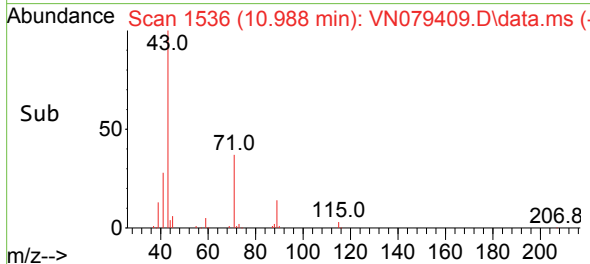


#56
Ethyl methacrylate
Concen: 0.852 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.111 min
Lab File: VN079409.D
Acq: 04 Oct 2023 17:36

Instrument :
MSVOA_N
ClientSampleId :

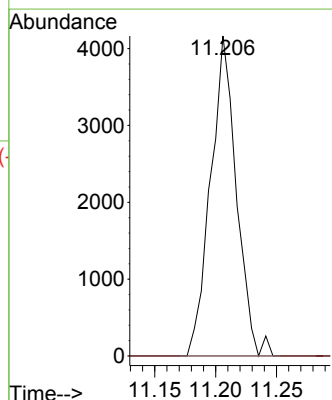
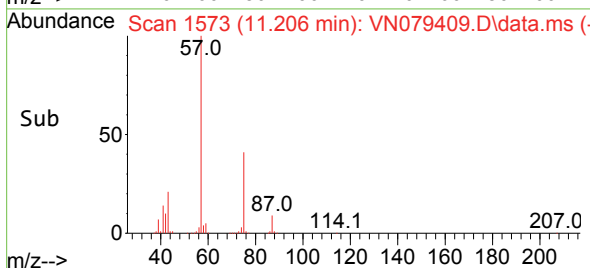
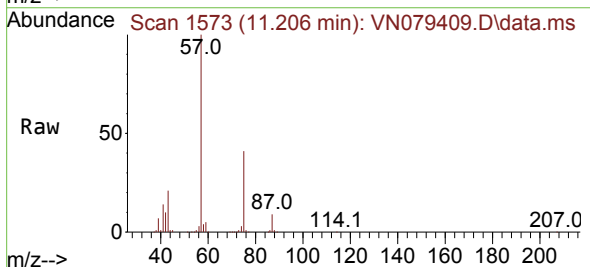


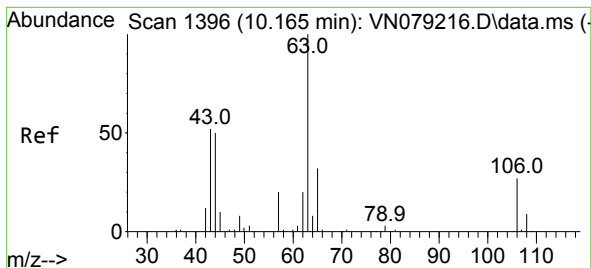
Tgt Ion: 69 Resp: 2426
Ion Ratio Lower Upper
69 100
41 3430.8 39.6 59.4#
39 1685.5 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.764 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079409.D
Acq: 04 Oct 2023 17:36

Tgt Ion: 76 Resp: 6151
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

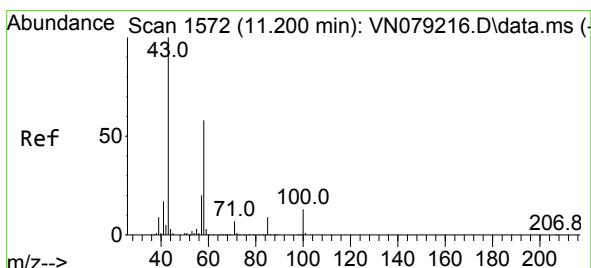
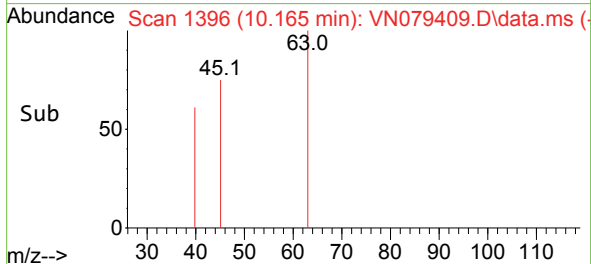
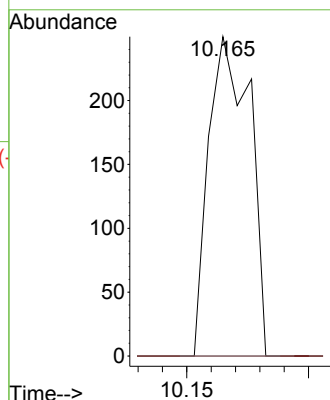
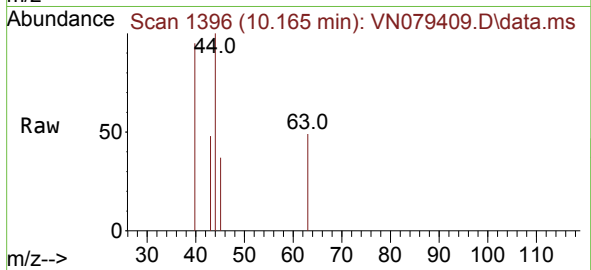




#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 10.165 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079409.D
Acq: 04 Oct 2023 17:36

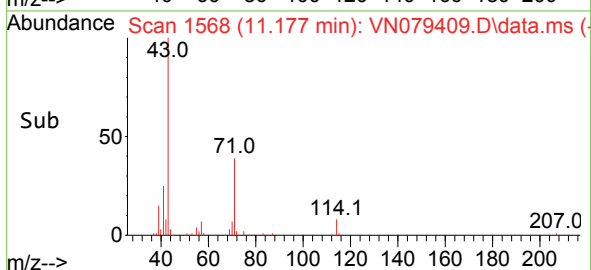
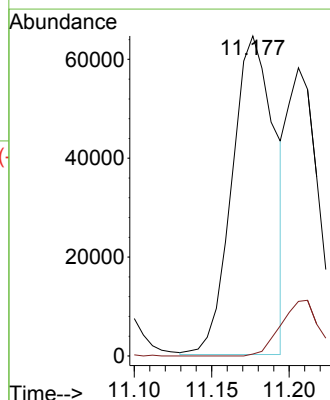
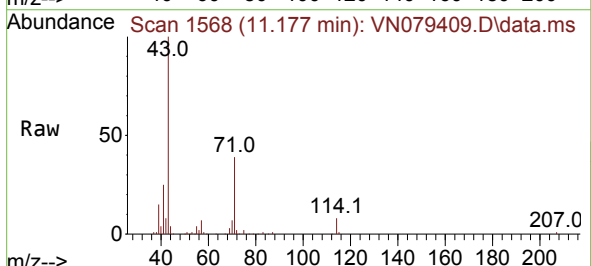
Instrument :
MSVOA_N
ClientSampleId :

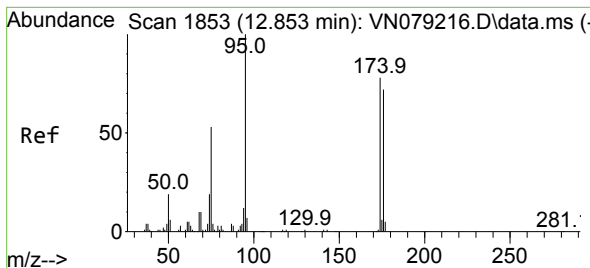
Tgt Ion: 63 Resp: 295
Ion Ratio Lower Upper
63 100
106 0.0 26.2 39.4#



#59
2-Hexanone
Concen: 66.062 ug/l
RT: 11.177 min Scan# 1568
Delta R.T. -0.023 min
Lab File: VN079409.D
Acq: 04 Oct 2023 17:36

Tgt Ion: 43 Resp: 123553
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

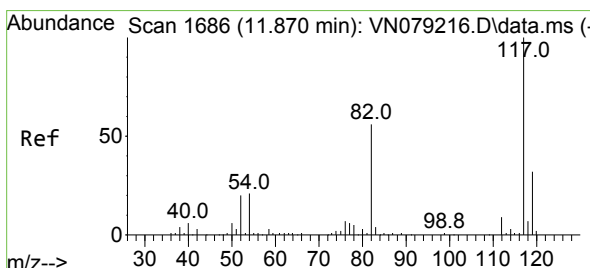
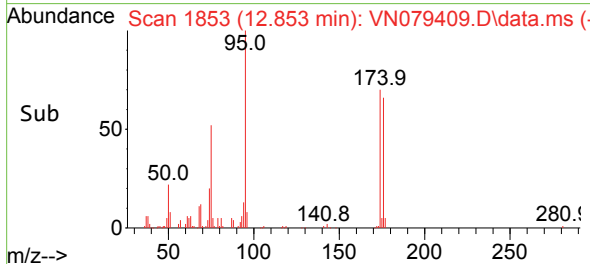
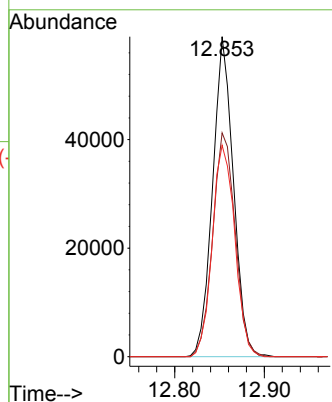
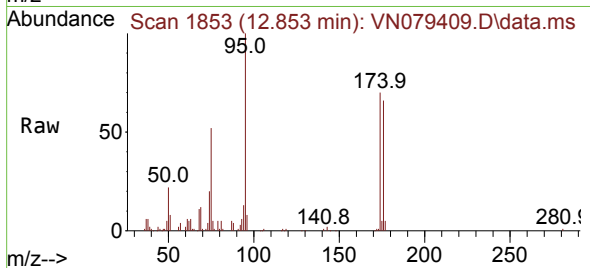




#62
4-Bromofluorobenzene
Concen: 45.665 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079409.D
Acq: 04 Oct 2023 17:36

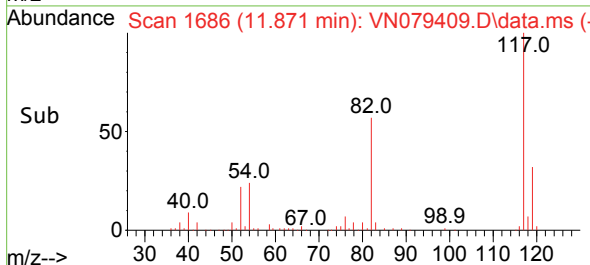
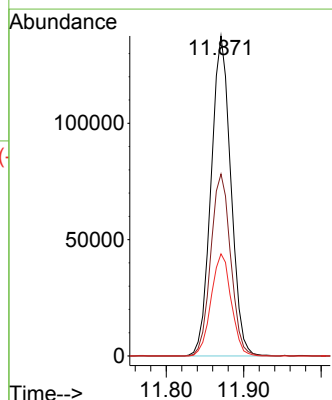
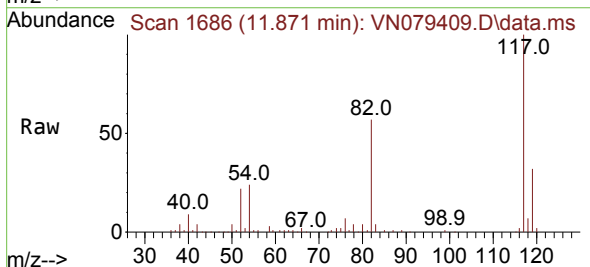
Instrument :
MSVOA_N
ClientSampleId :

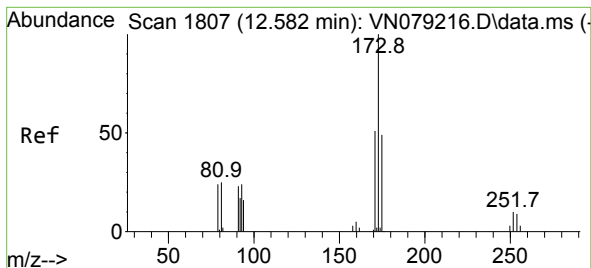
Tgt Ion: 95 Resp: 94842
Ion Ratio Lower Upper
95 100
174 75.5 0.0 143.8
176 71.7 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079409.D
Acq: 04 Oct 2023 17:36

Tgt Ion: 117 Resp: 244332
Ion Ratio Lower Upper
117 100
82 56.8 44.0 66.0
119 31.9 25.6 38.4





#71

Bromoform

Concen: 0.552 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN079409.D

Acq: 04 Oct 2023 17:36

Instrument :

MSVOA_N

ClientSampleId :

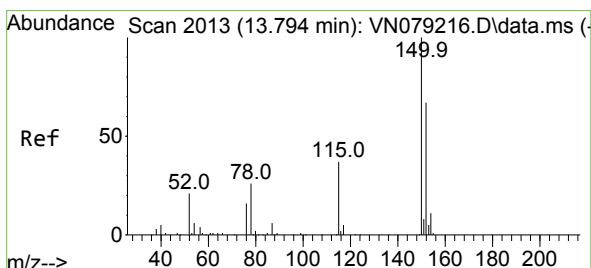
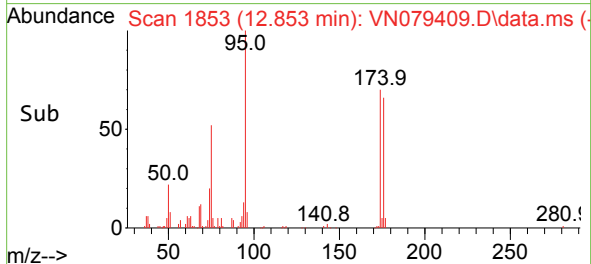
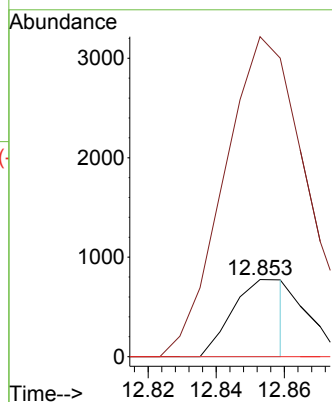
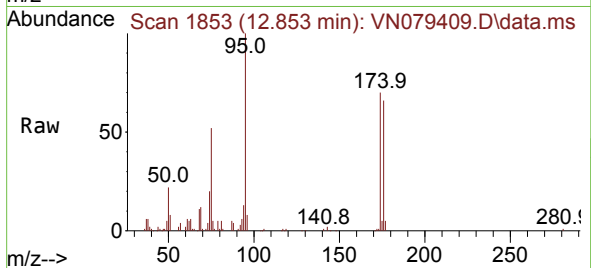
Tgt Ion:173 Resp: 846

Ion Ratio Lower Upper

173 100

175 473.3 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.006 min

Lab File: VN079409.D

Acq: 04 Oct 2023 17:36

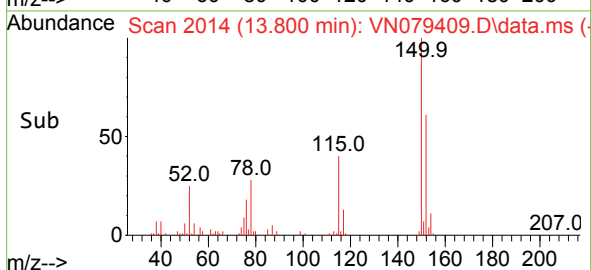
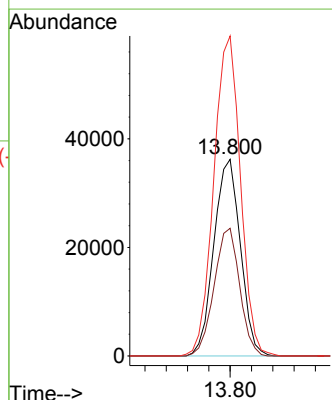
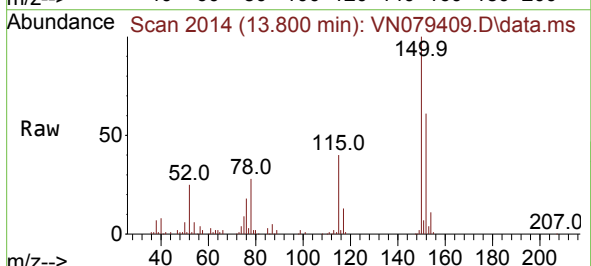
Tgt Ion:152 Resp: 62548

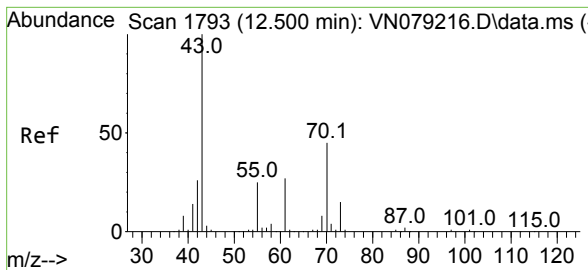
Ion Ratio Lower Upper

152 100

115 62.6 32.3 96.8

150 163.5 0.0 355.8

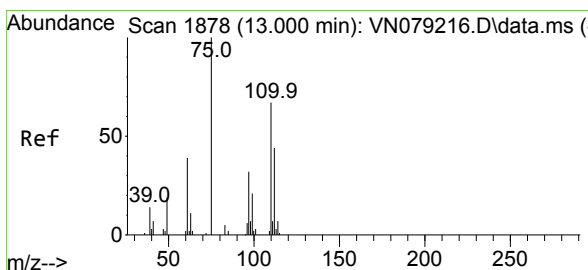
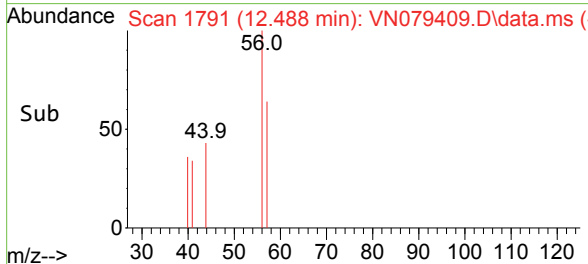
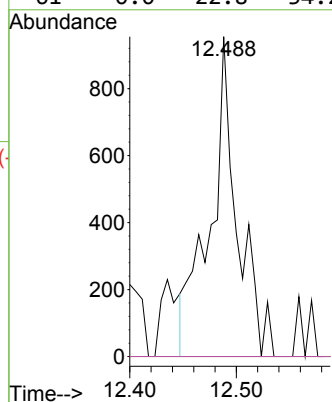
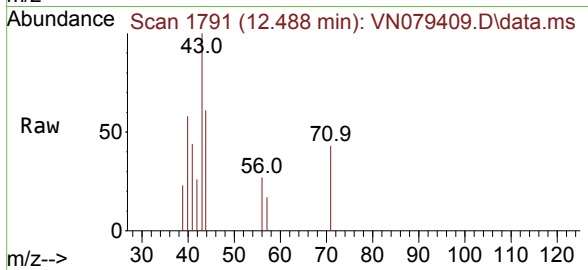




#74
N-amy1 acetate
Concen: 0.787 ug/l
RT: 12.488 min Scan# 1700
Delta R.T. -0.012 min
Lab File: VN079409.D
Acq: 04 Oct 2023 17:36

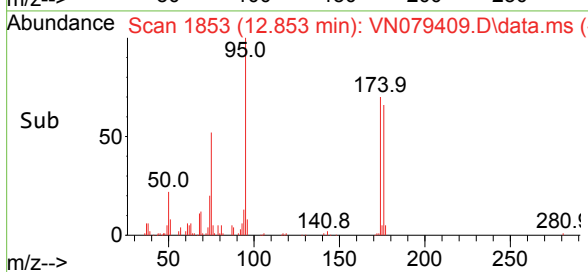
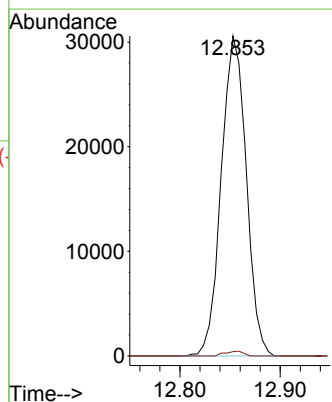
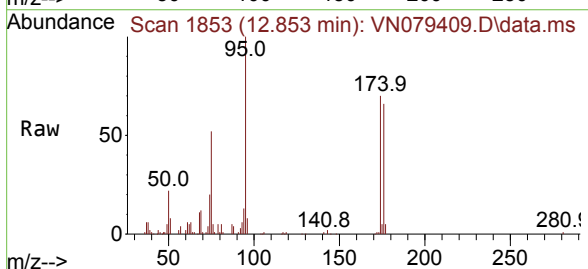
Instrument :
MSVOA_N
ClientSampleId :

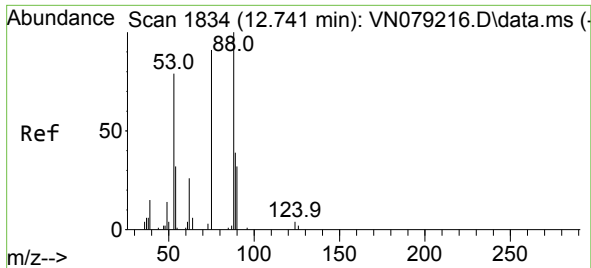
Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.4	65.2#
55	0.0	21.4	32.0#
61	0.0	22.8	34.2#



#76
1,2,3-Trichloropropane
Concen: 31.382 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079409.D
Acq: 04 Oct 2023 17:36

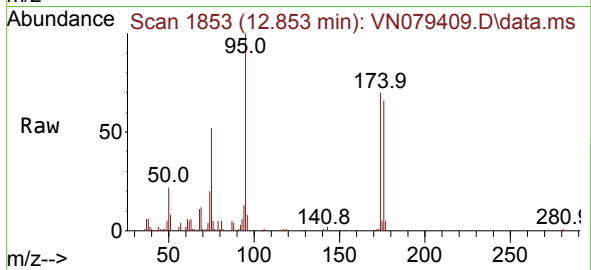
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	84.5	253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.275 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079409.D
 Acq: 04 Oct 2023 17:36

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 52902
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

