

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100423\
 Data File : VN079411.D
 Acq On : 04 Oct 2023 18:24
 Operator : JC\MD
 Sample : 04712-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 05 02:25:21 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)

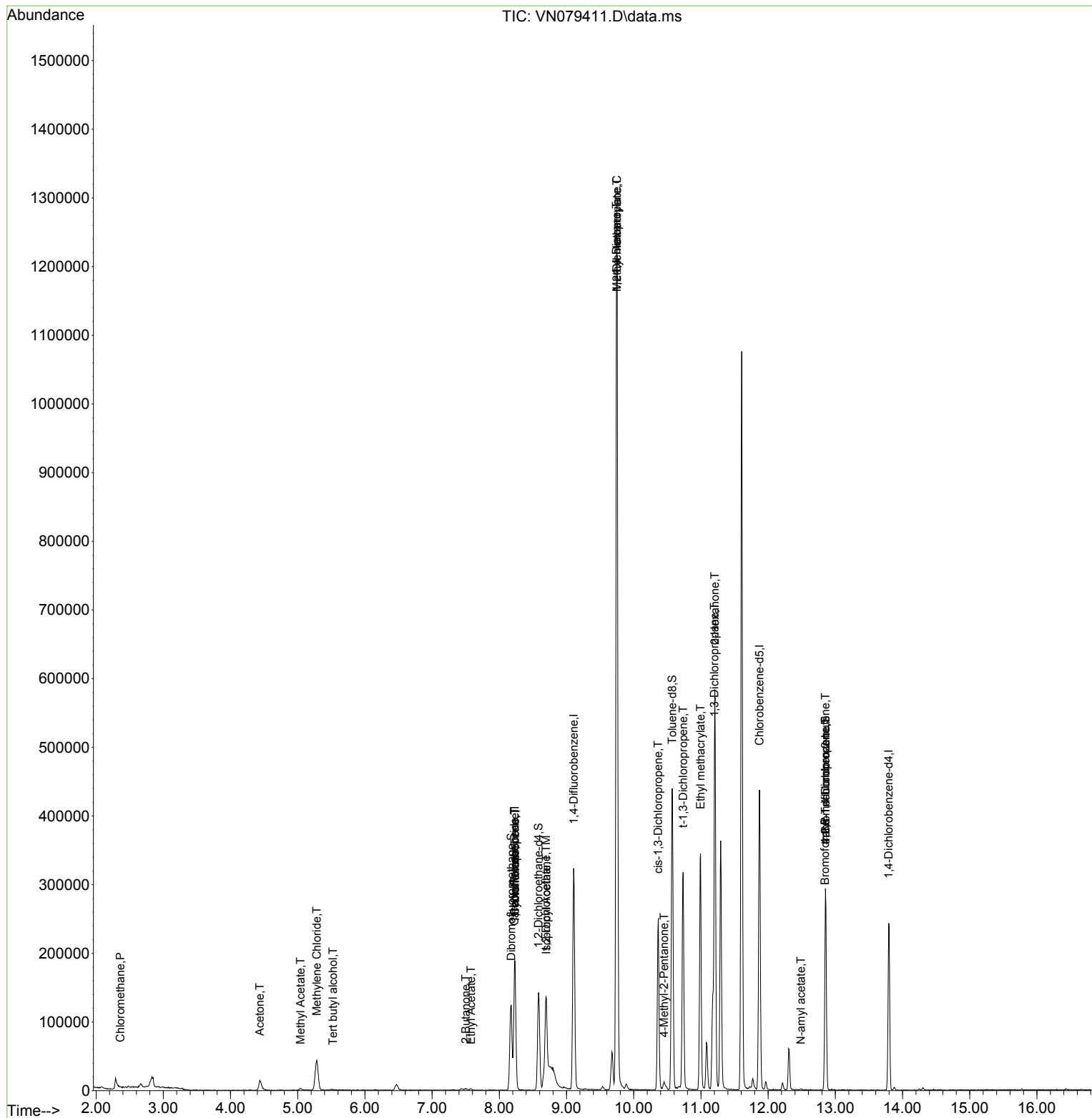
Internal Standards						
1) Pentafluorobenzene	8.230	168	129935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	264398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	241962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	62348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	118777	67.718	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 135.440%#	
35) Dibromofluoromethane	8.177	113	89794	51.056	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.120%	
50) Toluene-d8	10.571	98	298958	46.294	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.580%	
62) 4-Bromofluorobenzene	12.853	95	95061	46.148	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.300%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	512	0.303	ug/l #	42
6) Chloroethane	3.107	64	491	Below Cal	#	43
11) Tert butyl alcohol	5.524	59	211	0.652	ug/l #	72
16) Acetone	4.436	43	27741	37.240	ug/l #	83
18) Methyl Acetate	5.042	43	4137	1.351	ug/l #	60
20) Methylene Chloride	5.283	84	33107	18.263	ug/l #	78
25) 2-Butanone	7.500	43	3831	3.544	ug/l #	59
31) Cyclohexane	8.230	56	3565	1.392	ug/l #	61
36) 1,1-Dichloropropene	8.236	75	12721	4.693	ug/l #	47
37) Ethyl Acetate	7.577	43	3322	1.229	ug/l #	69
38) Carbon Tetrachloride	8.224	117	13967	4.979	ug/l #	16
42) 1,2-Dichloroethane	8.694	62	772	0.270	ug/l #	73
43) Isopropyl Acetate	8.700	43	185285	41.997	ug/l #	71
45) 1,2-Dichloropropane	9.747	63	1652	0.802	ug/l #	45
48) Methyl methacrylate	9.747	41	123508	62.499	ug/l #	29
49) 1,4-Dioxane	9.741	88	57	1.402	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	11986	4.680	ug/l #	65
53) t-1,3-Dichloropropene	10.735	75	611	0.202	ug/l #	1
54) cis-1,3-Dichloropropene	10.365	75	42013	13.009	ug/l #	73
56) Ethyl methacrylate	10.994	69	1823	0.645	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5706	1.649	ug/l #	42
58) 2-Chloroethyl Vinyl ether	10.165	63	95	Below Cal	#	42
59) 2-Hexanone	11.206	43	74498	40.162	ug/l #	46
71) Bromoform	12.847	173	727	0.479	ug/l #	1
74) N-amyl acetate	12.488	43	1619	0.752	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	51920	30.898	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	51920	84.945	ug/l #	15

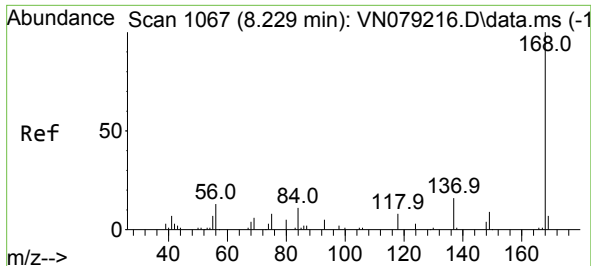
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100423\
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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

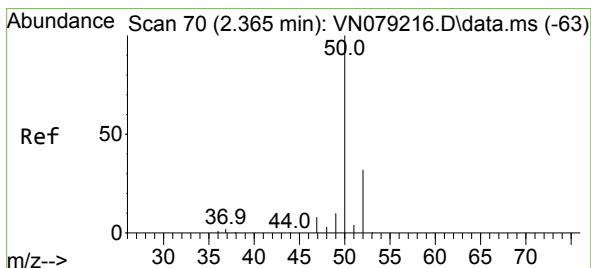
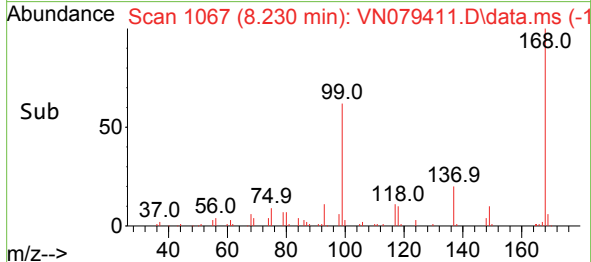
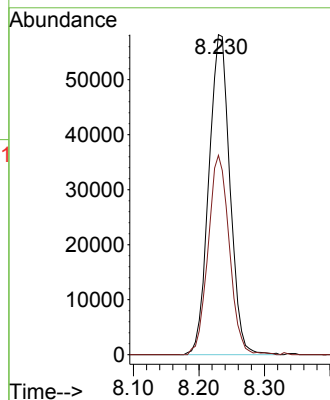
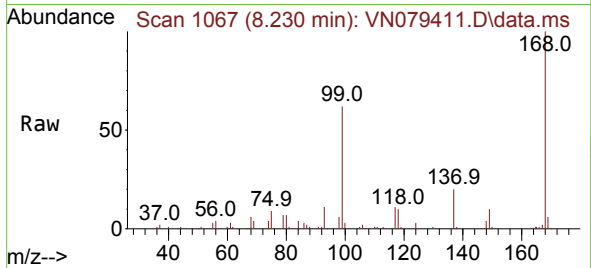




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079411.D
Acq: 04 Oct 2023 18:24

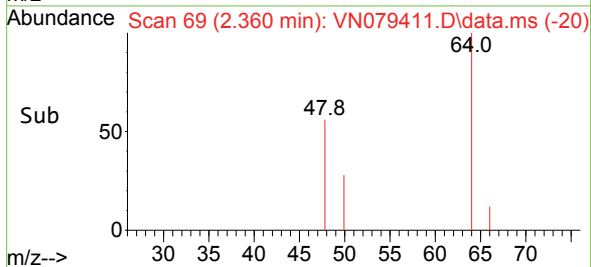
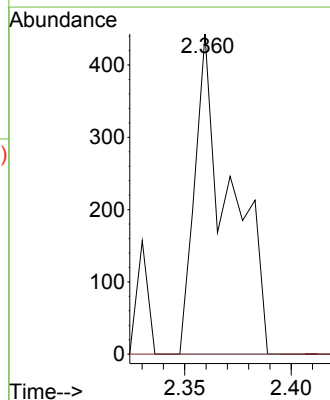
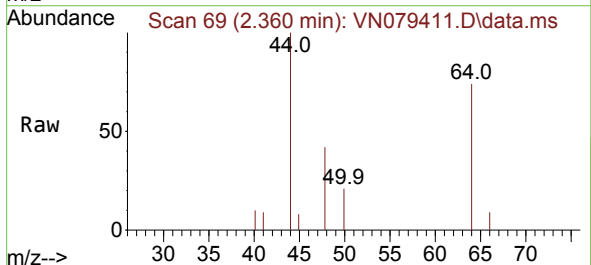
Instrument :
MSVOA_N
ClientSampleId :

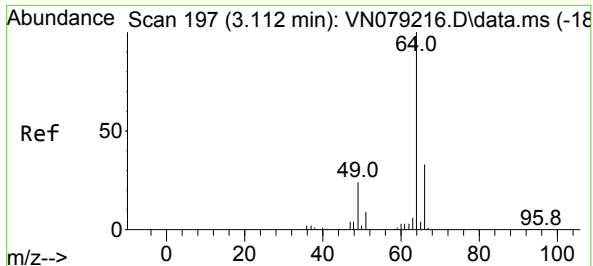
Tgt Ion:168 Resp: 129935
Ion Ratio Lower Upper
168 100
99 62.3 53.0 79.6



#3
Chloromethane
Concen: 0.303 ug/l
RT: 2.360 min Scan# 69
Delta R.T. -0.011 min
Lab File: VN079411.D
Acq: 04 Oct 2023 18:24

Tgt Ion: 50 Resp: 512
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

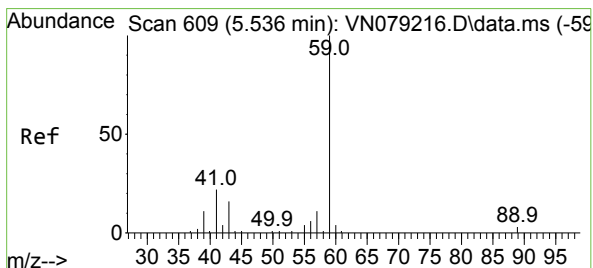
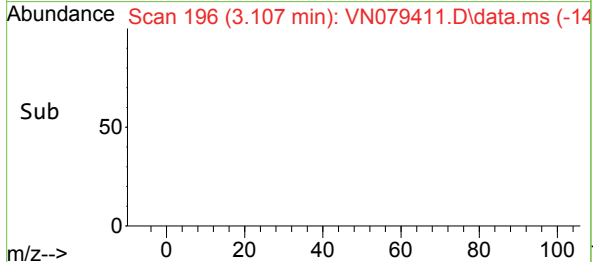
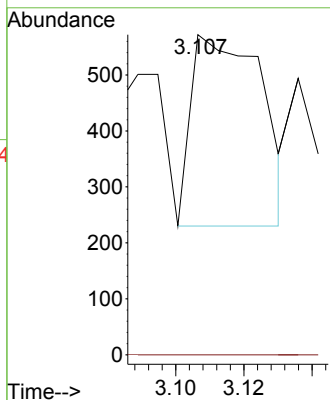
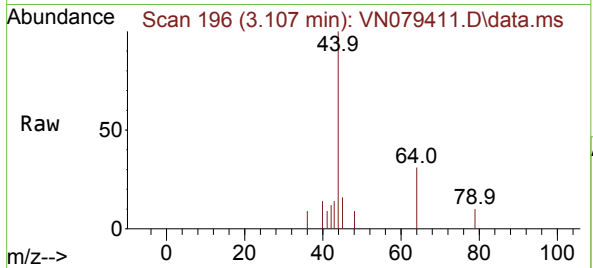




#6
Chloroethane
Concen: Below Cal
RT: 3.107 min Scan# 197
Delta R.T. -0.011 min
Lab File: VN079411.D
Acq: 04 Oct 2023 18:24

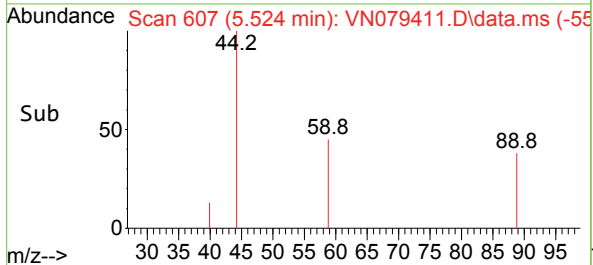
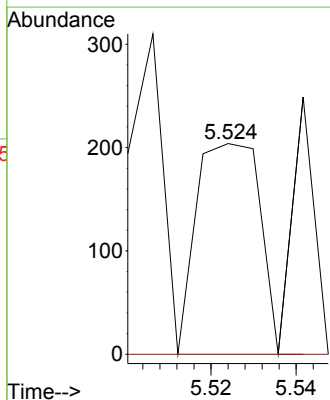
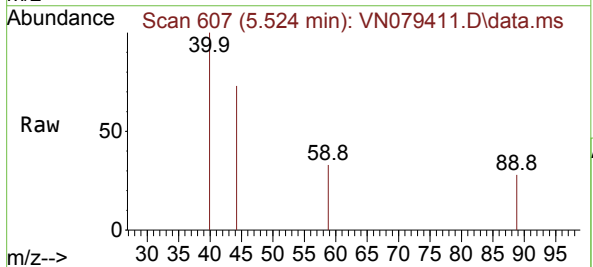
Instrument :
MSVOA_N
ClientSampleId :

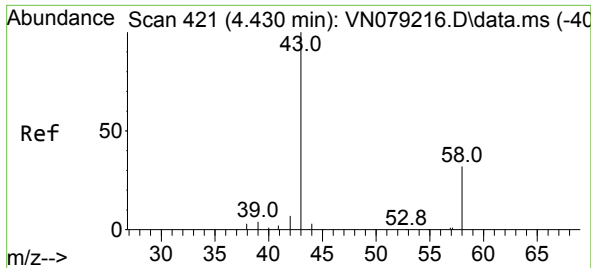
Tgt Ion: 64 Resp: 491
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.652 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.018 min
Lab File: VN079411.D
Acq: 04 Oct 2023 18:24

Tgt Ion: 59 Resp: 211
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 37.240 ug/l

RT: 4.436 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN079411.D

Acq: 04 Oct 2023 18:24

Instrument :

MSVOA_N

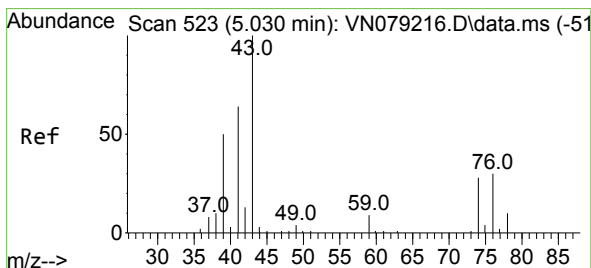
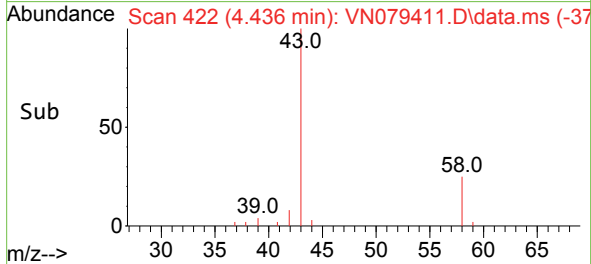
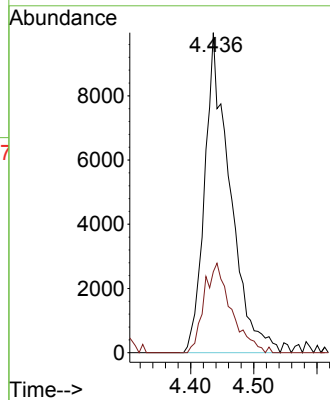
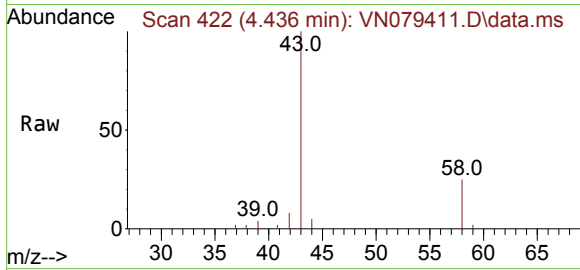
ClientSampleId :

Tgt Ion: 43 Resp: 27741

Ion Ratio Lower Upper

43 100

58 25.3 28.0 42.0#



#18

Methyl Acetate

Concen: 1.351 ug/l

RT: 5.042 min Scan# 525

Delta R.T. -0.000 min

Lab File: VN079411.D

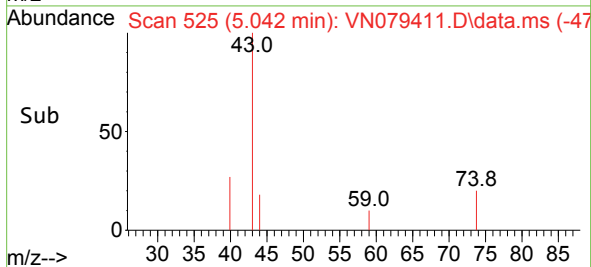
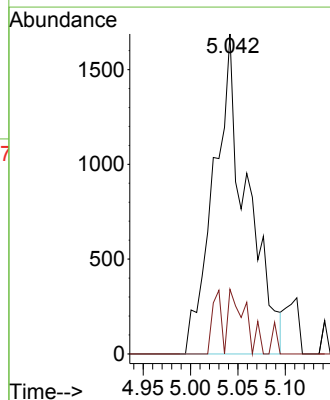
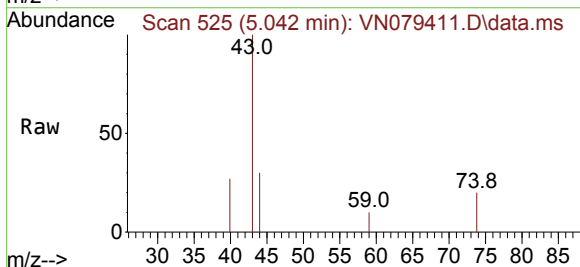
Acq: 04 Oct 2023 18:24

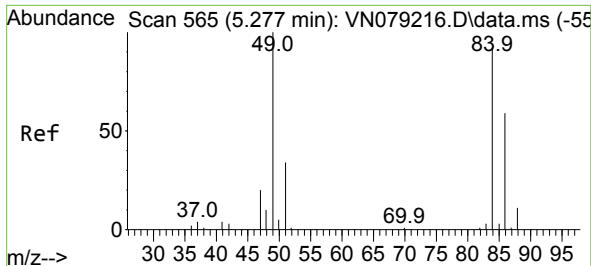
Tgt Ion: 43 Resp: 4137

Ion Ratio Lower Upper

43 100

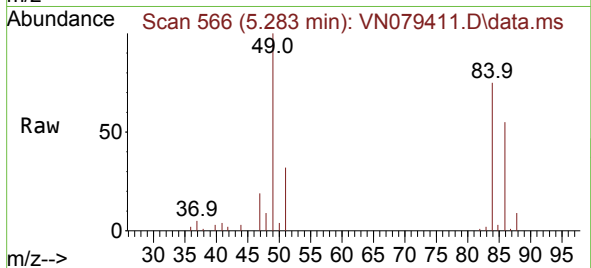
74 10.5 26.2 39.4#





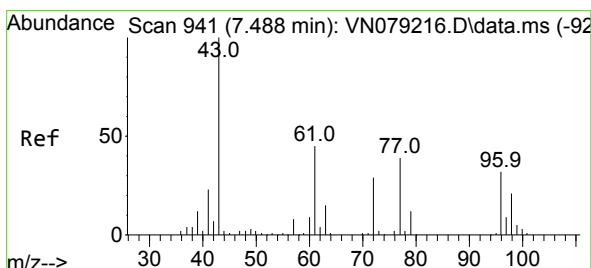
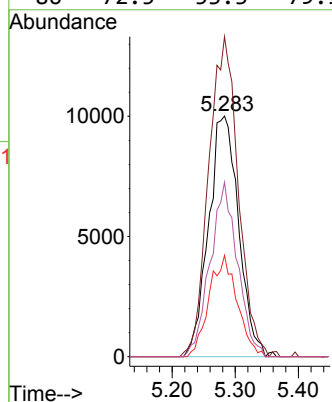
#20
Methylene Chloride
Concen: 18.263 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079411.D
Acq: 04 Oct 2023 18:24

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 33107

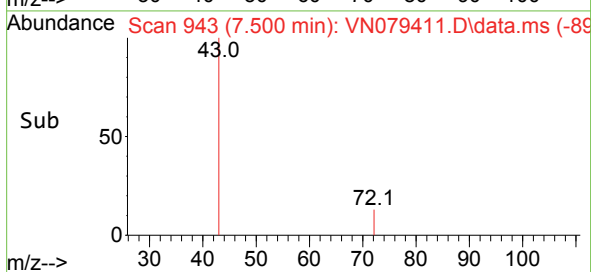
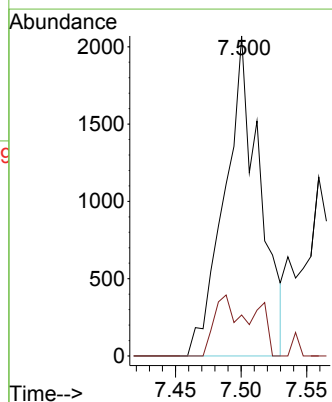
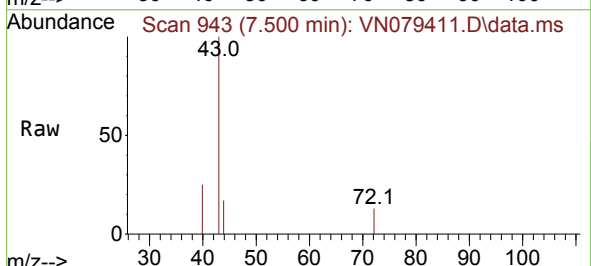
Ion	Ratio	Lower	Upper
84	100		
49	133.0	79.7	119.5#
51	42.1	25.2	37.8#
86	72.5	53.3	79.9

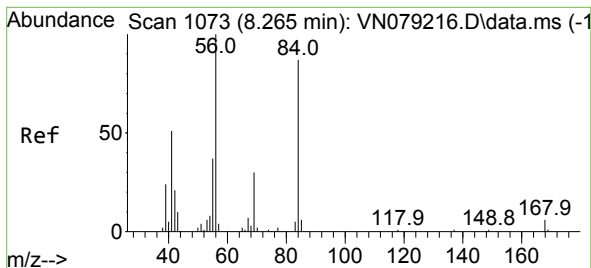


#25
2-Butanone
Concen: 3.544 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN079411.D
Acq: 04 Oct 2023 18:24

Tgt Ion: 43 Resp: 3831

Ion	Ratio	Lower	Upper
43	100		
72	12.8	30.2	45.2#





#31

Cyclohexane

Concen: 1.392 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

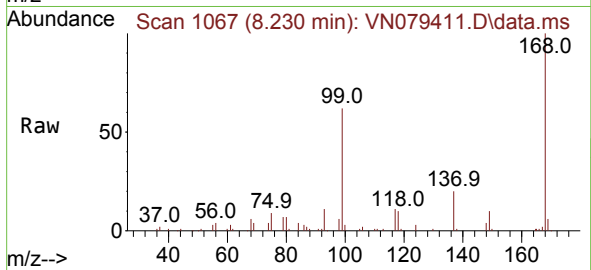
Lab File: VN079411.D

Acq: 04 Oct 2023 18:24

Instrument :

MSVOA_N

ClientSampleId :



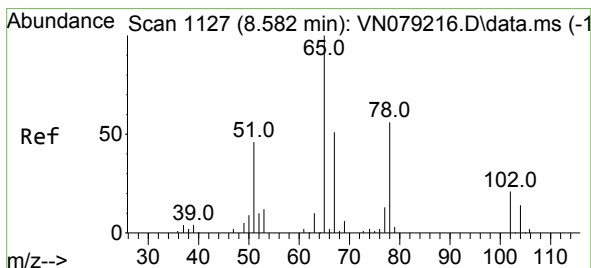
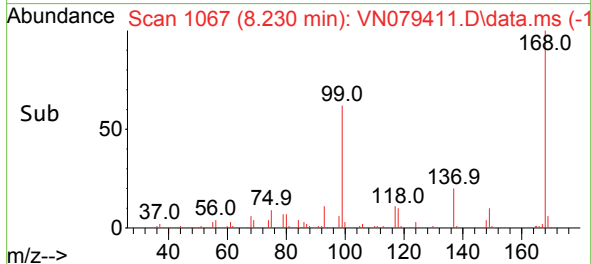
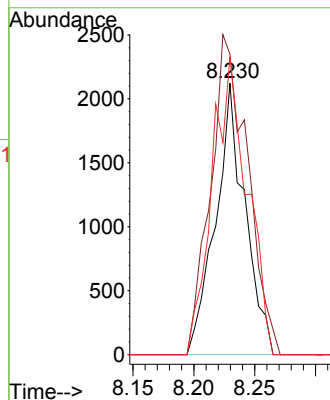
Tgt Ion: 56 Resp: 3565

Ion Ratio Lower Upper

56 100

69 110.7 26.8 40.2#

84 109.8 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 67.718 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079411.D

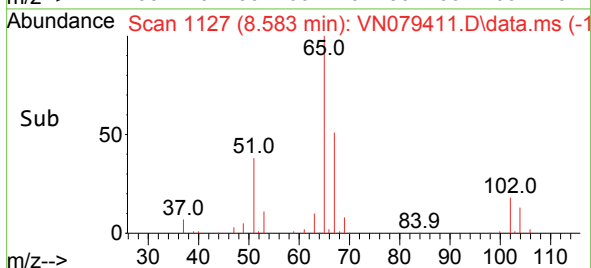
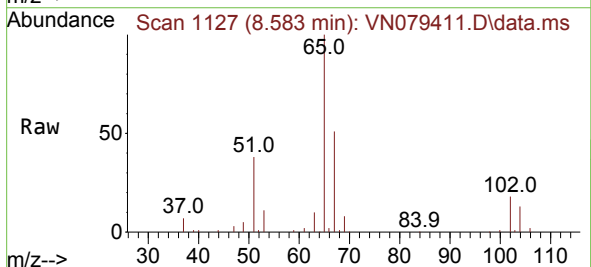
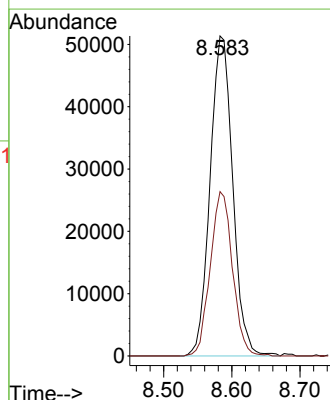
Acq: 04 Oct 2023 18:24

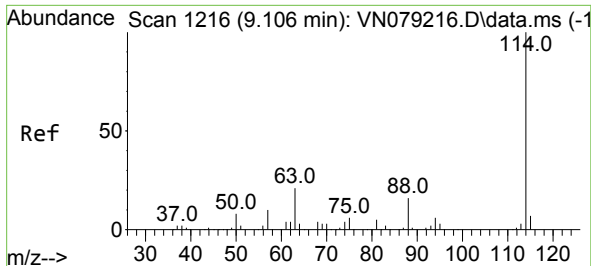
Tgt Ion: 65 Resp: 118777

Ion Ratio Lower Upper

65 100

67 50.4 0.0 106.6

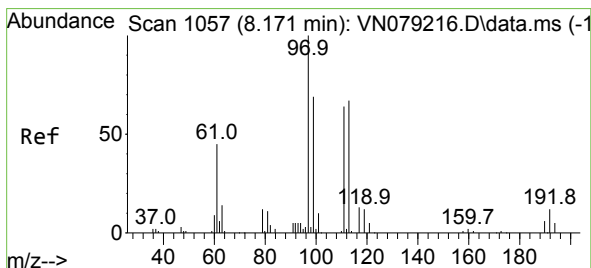
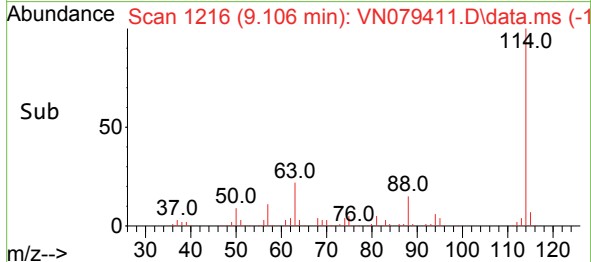
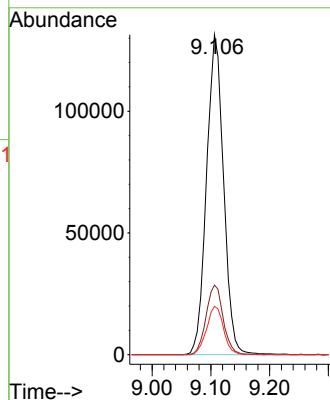
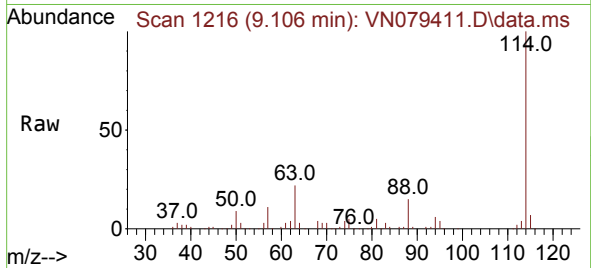




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079411.D
Acq: 04 Oct 2023 18:24

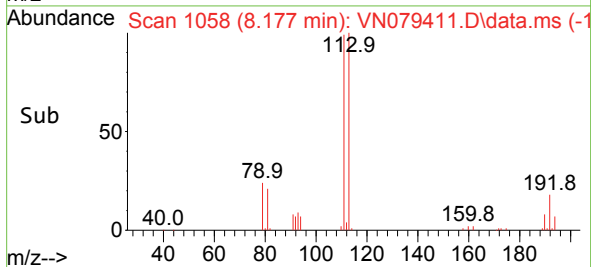
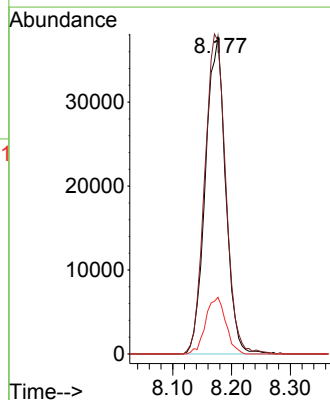
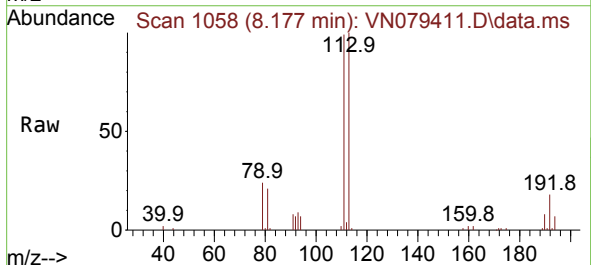
Instrument :
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ClientSampleId :

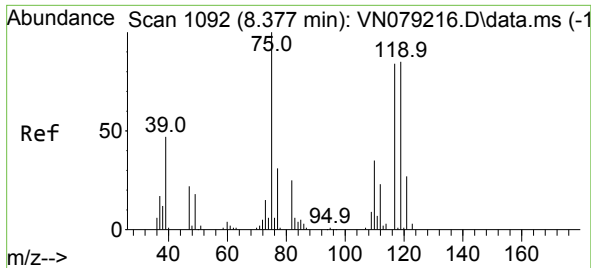
Tgt Ion:114 Resp: 264398
Ion Ratio Lower Upper
114 100
63 21.8 0.0 36.4
88 15.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.056 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN079411.D
Acq: 04 Oct 2023 18:24

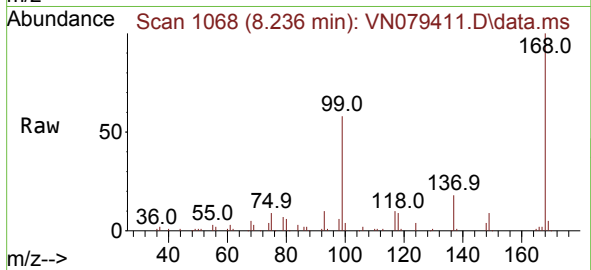
Tgt Ion:113 Resp: 89794
Ion Ratio Lower Upper
113 100
111 105.2 82.6 123.8
192 17.9 12.7 19.1



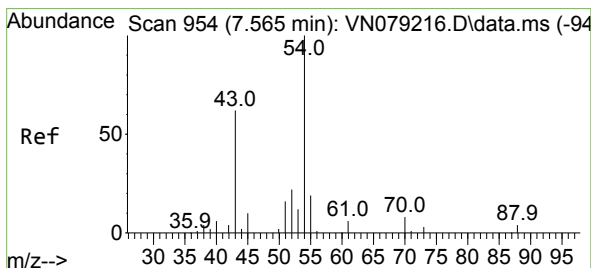
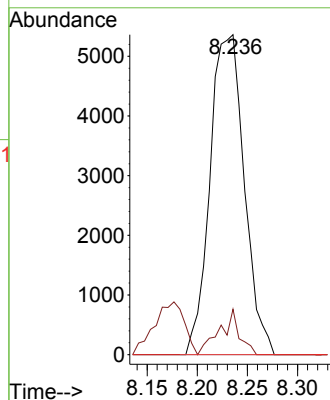
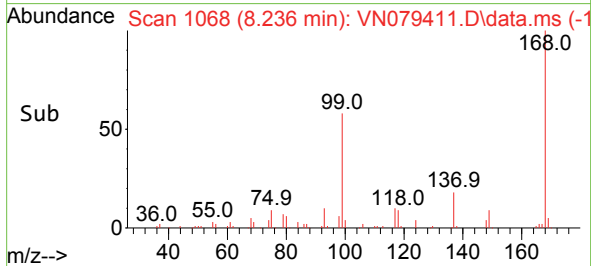


#36
1,1-Dichloropropene
Concen: 4.693 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN079411.D
Acq: 04 Oct 2023 18:24

Instrument :
MSVOA_N
ClientSampleId :

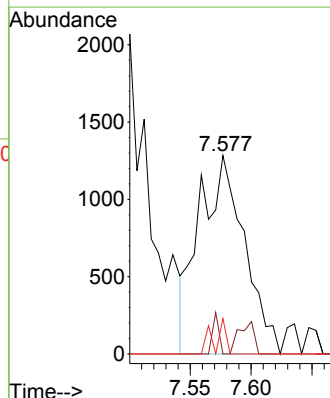
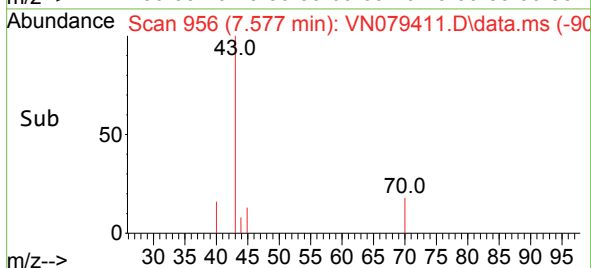
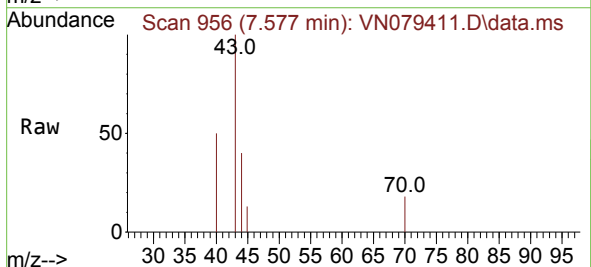


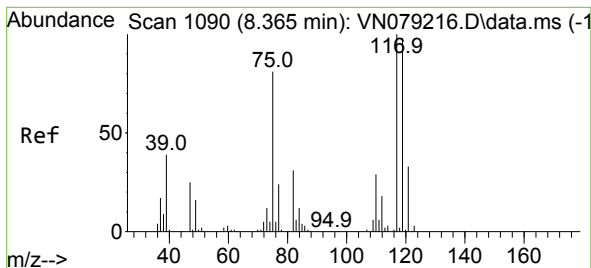
Tgt Ion: 75 Resp: 12721
Ion Ratio Lower Upper
75 100
110 8.2 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.229 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.006 min
Lab File: VN079411.D
Acq: 04 Oct 2023 18:24

Tgt Ion: 43 Resp: 3322
Ion Ratio Lower Upper
43 100
61 2.9 13.2 19.8#
70 2.0 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 4.979 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

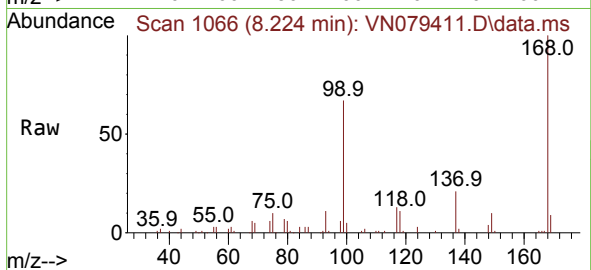
Lab File: VN079411.D

Acq: 04 Oct 2023 18:24

Instrument :

MSVOA_N

ClientSampleId :



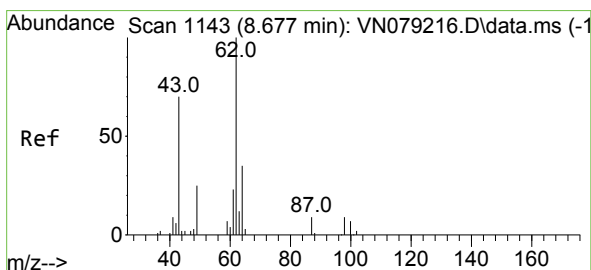
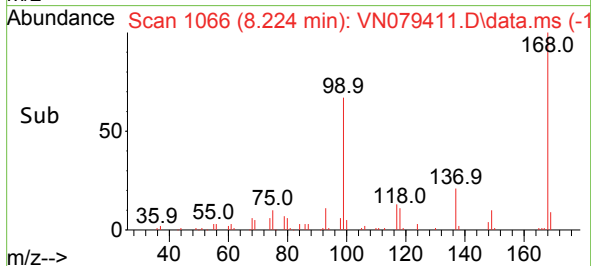
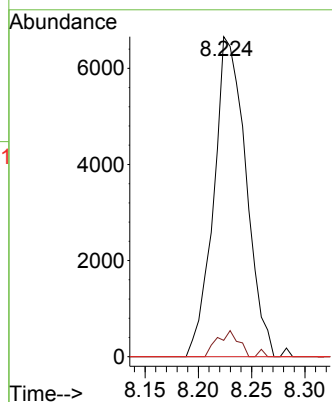
Tgt Ion:117 Resp: 13967

Ion Ratio Lower Upper

117 100

119 5.1 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.270 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.017 min

Lab File: VN079411.D

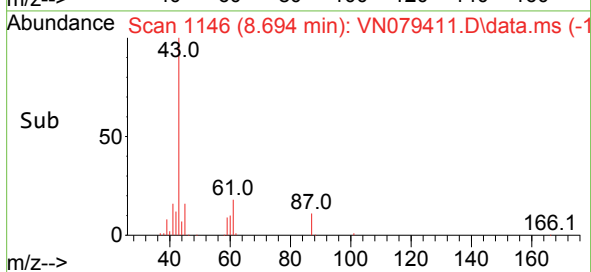
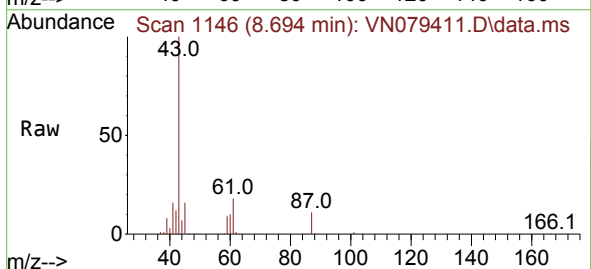
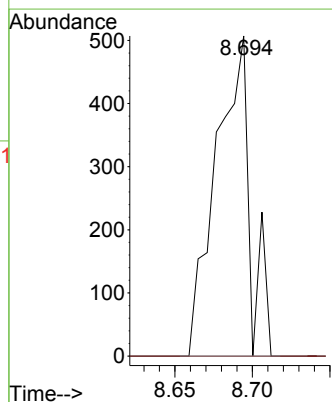
Acq: 04 Oct 2023 18:24

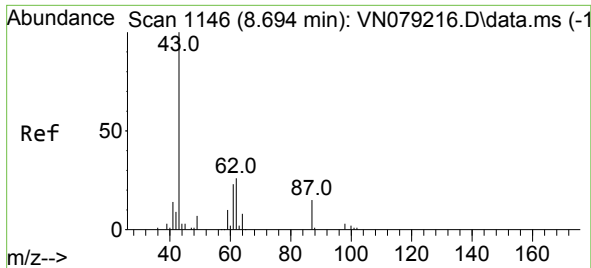
Tgt Ion: 62 Resp: 772

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

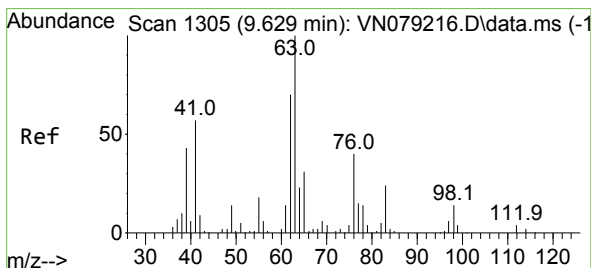
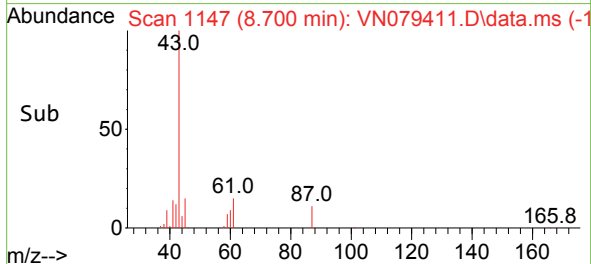
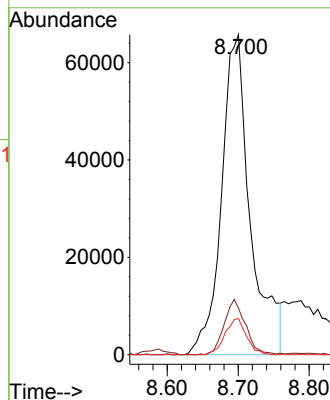
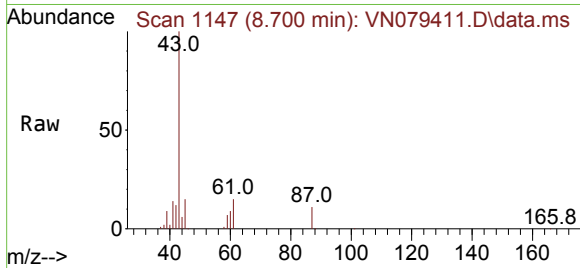




#43
Isopropyl Acetate
Concen: 41.997 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN079411.D
Acq: 04 Oct 2023 18:24

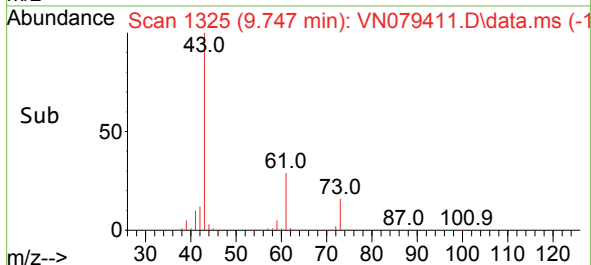
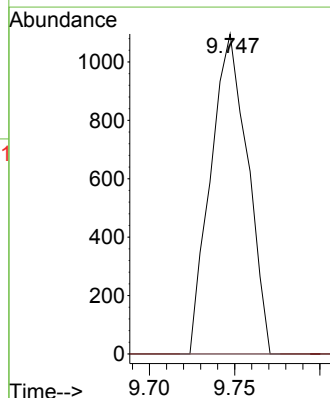
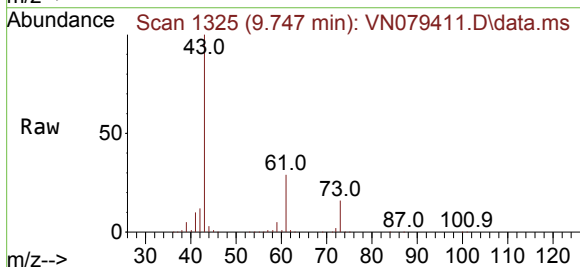
Instrument :
MSVOA_N
ClientSampleId :

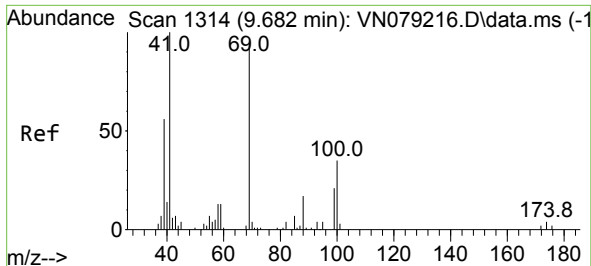
Tgt Ion: 43 Resp: 185285
Ion Ratio Lower Upper
43 100
61 12.8 24.7 37.1#
87 8.4 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.802 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN079411.D
Acq: 04 Oct 2023 18:24

Tgt Ion: 63 Resp: 1652
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

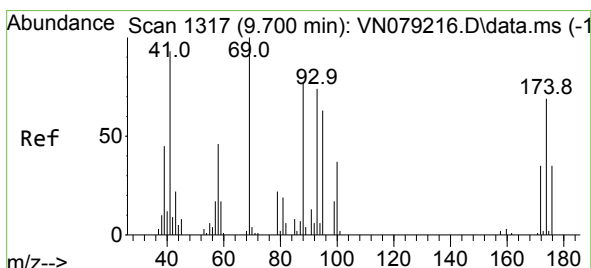
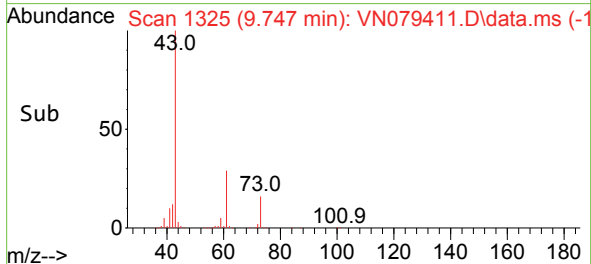
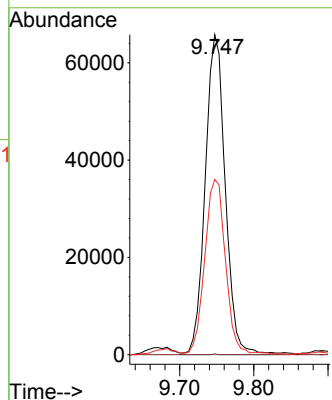
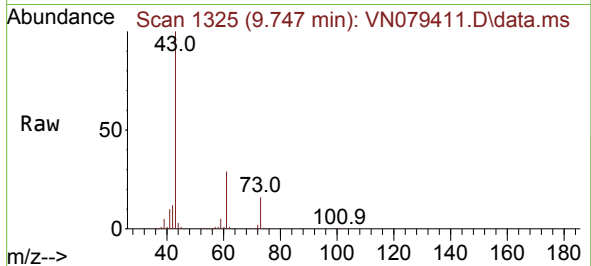




#48
Methyl methacrylate
Concen: 62.499 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN079411.D
Acq: 04 Oct 2023 18:24

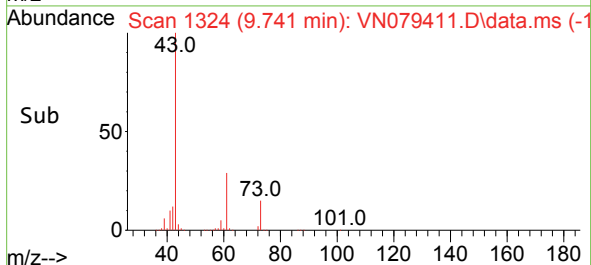
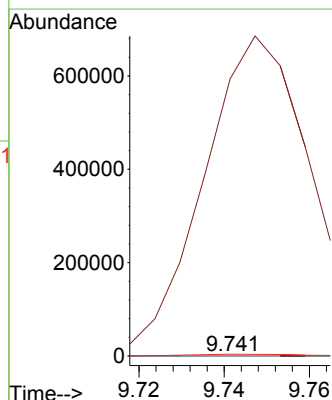
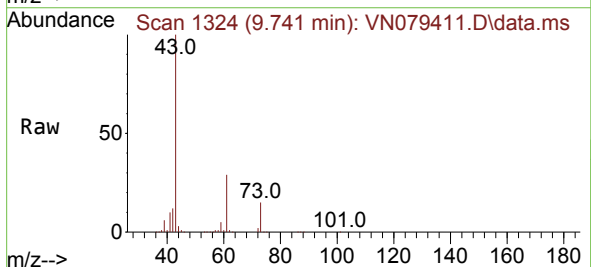
Instrument :
MSVOA_N
ClientSampleId :

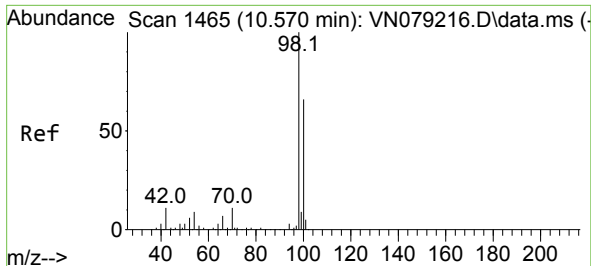
Tgt Ion: 41 Resp: 123508
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 57.1 54.6 81.8



#49
1,4-Dioxane
Concen: 1.402 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.041 min
Lab File: VN079411.D
Acq: 04 Oct 2023 18:24

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 2173970.2 17.0 25.6#
58 12873.7 47.0 70.4#

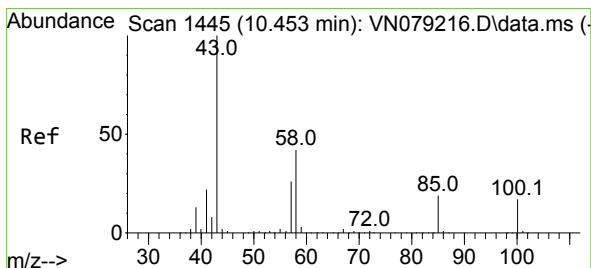
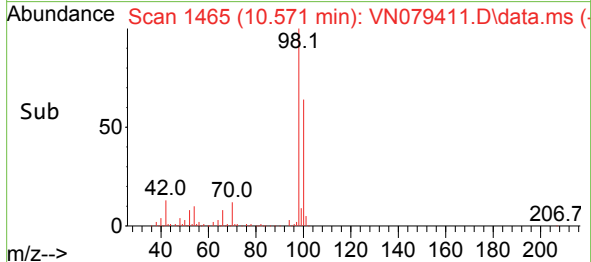
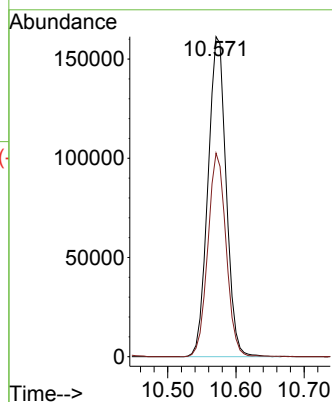
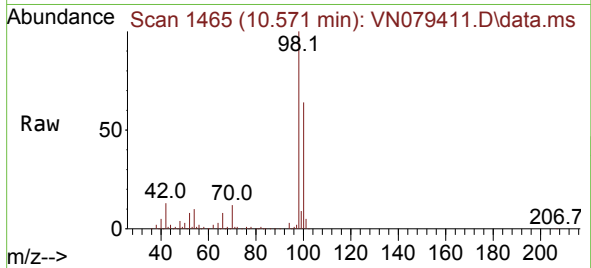




#50
Toluene-d8
Concen: 46.294 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079411.D
Acq: 04 Oct 2023 18:24

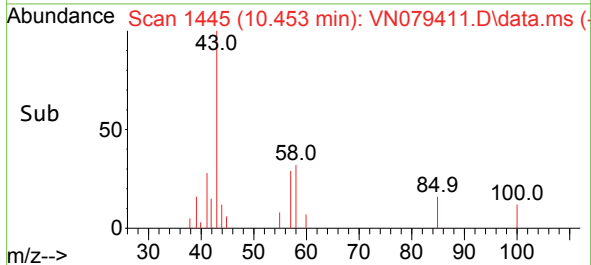
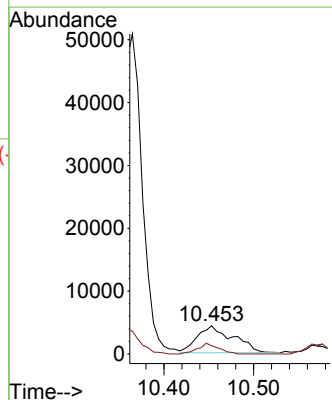
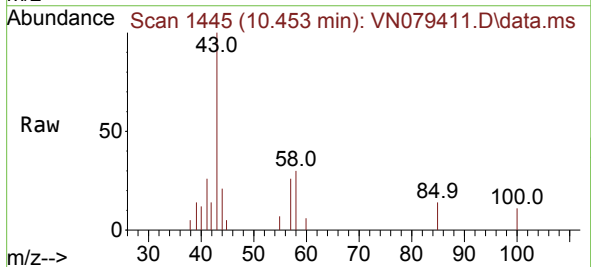
Instrument :
MSVOA_N
ClientSampleId :

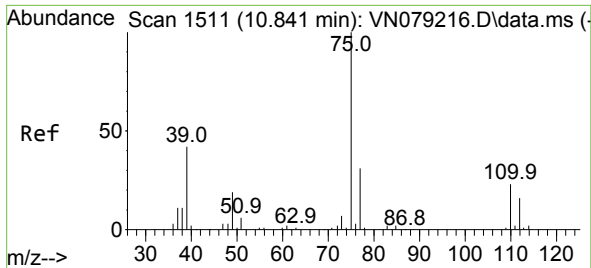
Tgt Ion: 98 Resp: 298958
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.680 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN079411.D
Acq: 04 Oct 2023 18:24

Tgt Ion: 43 Resp: 11986
Ion Ratio Lower Upper
43 100
58 22.7 36.6 54.8#

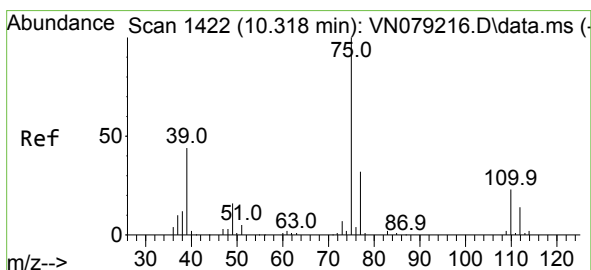
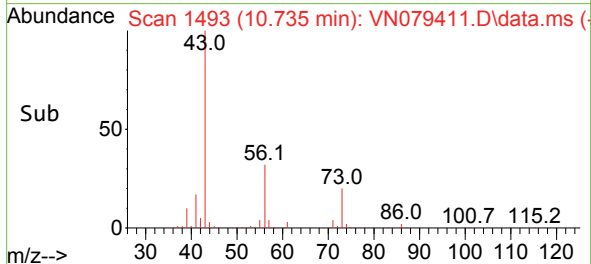
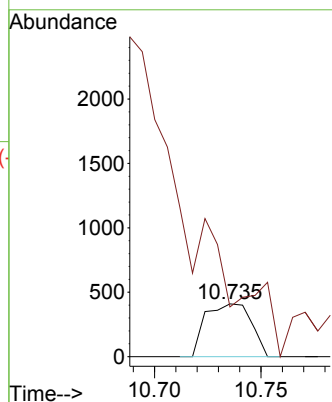
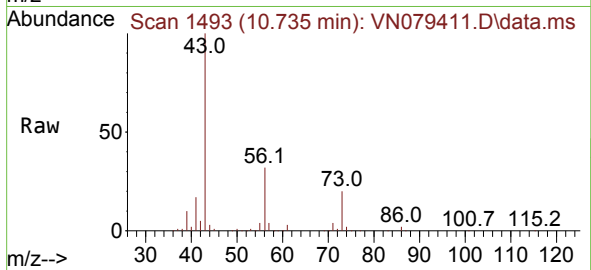




#53
 t-1,3-Dichloropropene
 Concen: 0.202 ug/l
 RT: 10.735 min Scan# 14
 Delta R.T. -0.106 min
 Lab File: VN079411.D
 Acq: 04 Oct 2023 18:24

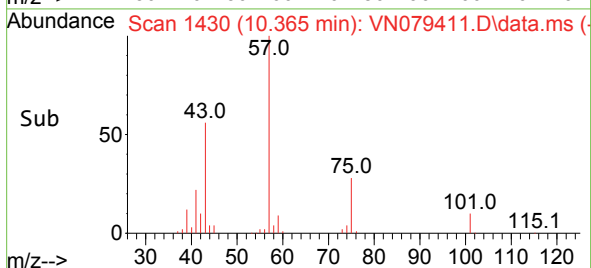
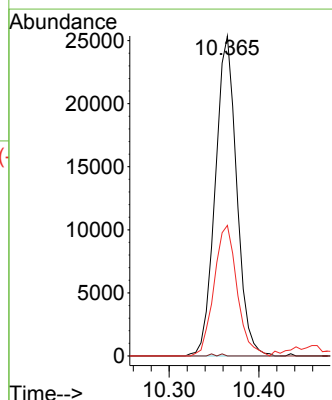
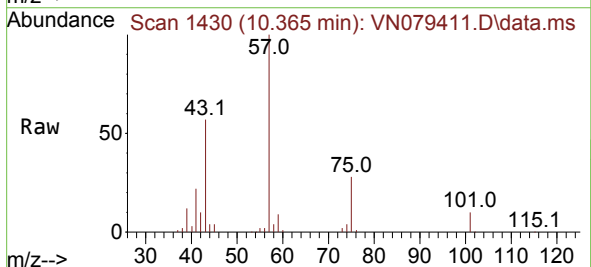
Instrument :
 MSVOA_N
 ClientSampleId :

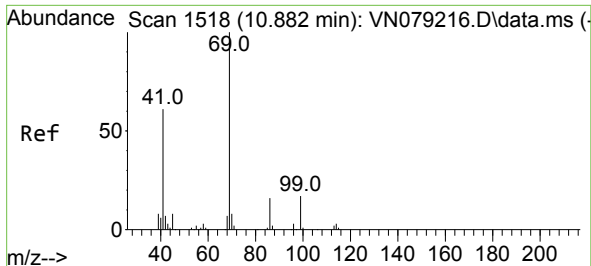
Tgt Ion: 75 Resp: 611
 Ion Ratio Lower Upper
 75 100
 77 94.4 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 13.009 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN079411.D
 Acq: 04 Oct 2023 18:24

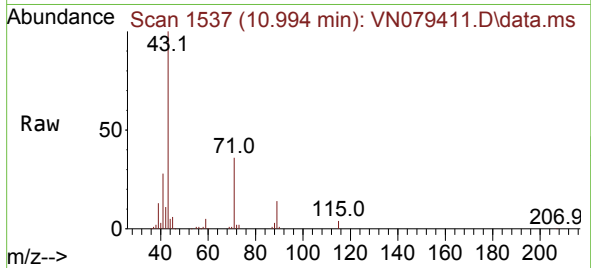
Tgt Ion: 75 Resp: 42013
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 40.8 31.6 47.4



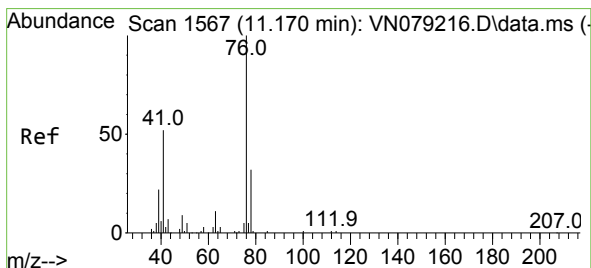
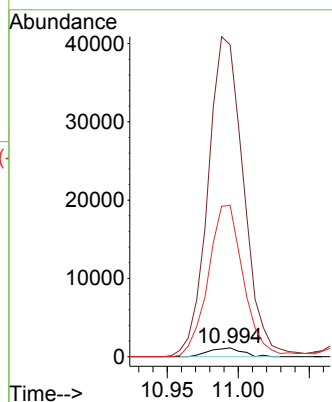
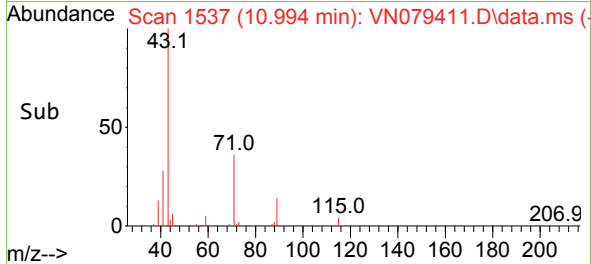


#56
Ethyl methacrylate
Concen: 0.645 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.117 min
Lab File: VN079411.D
Acq: 04 Oct 2023 18:24

Instrument :
MSVOA_N
ClientSampleId :

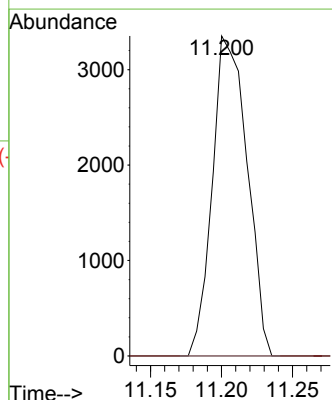
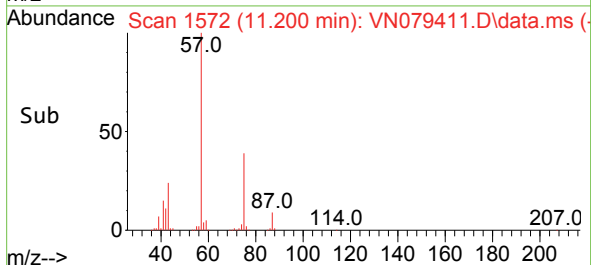
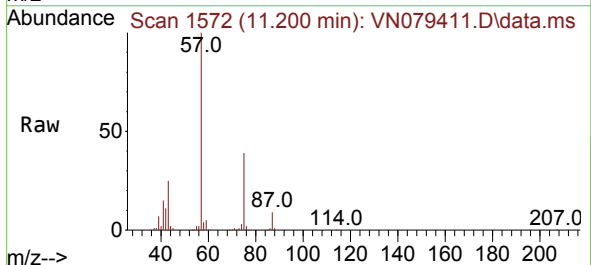


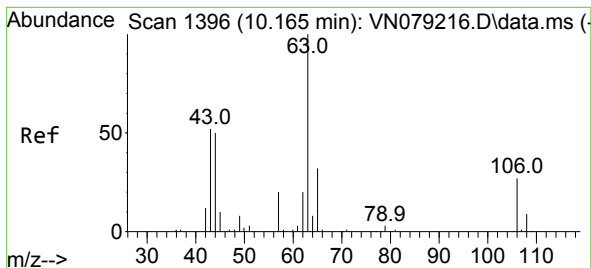
Tgt Ion: 69 Resp: 1823
Ion Ratio Lower Upper
69 100
41 3917.7 39.6 59.4#
39 1837.2 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.649 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN079411.D
Acq: 04 Oct 2023 18:24

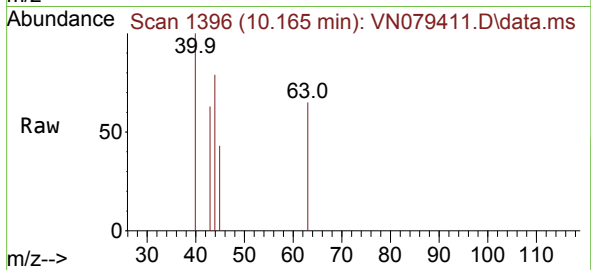
Tgt Ion: 76 Resp: 5706
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



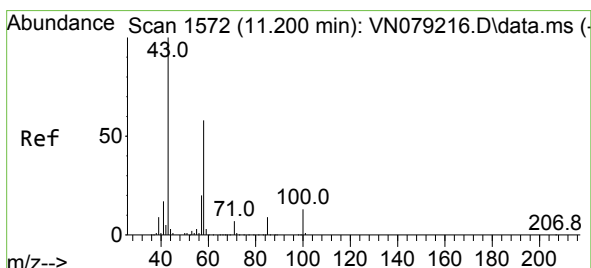
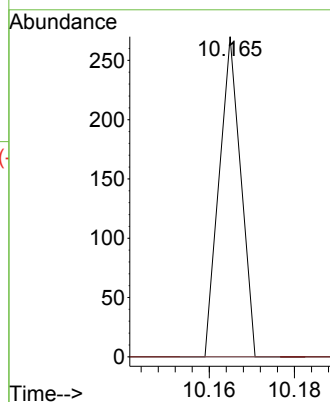
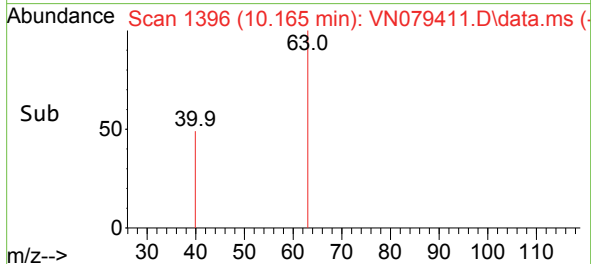


#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 10.165 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079411.D
Acq: 04 Oct 2023 18:24

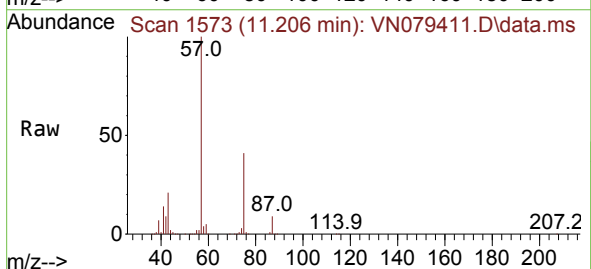
Instrument :
MSVOA_N
ClientSampleId :



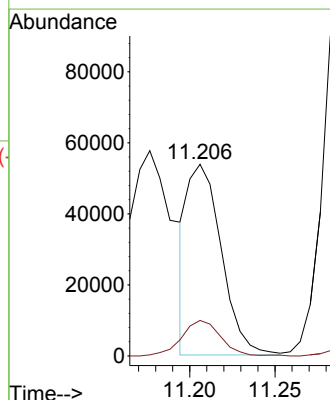
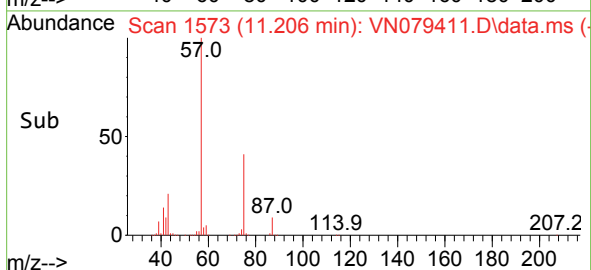
Tgt Ion: 63 Resp: 95
Ion Ratio Lower Upper
63 100
106 0.0 26.2 39.4#

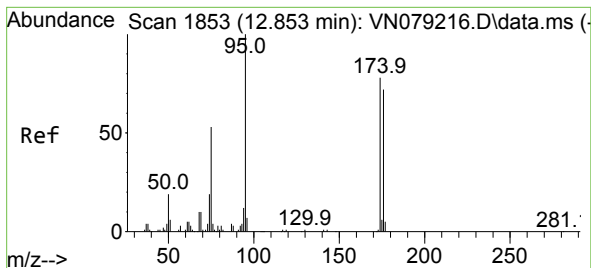


#59
2-Hexanone
Concen: 40.162 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN079411.D
Acq: 04 Oct 2023 18:24



Tgt Ion: 43 Resp: 74498
Ion Ratio Lower Upper
43 100
58 21.5 31.7 95.1#

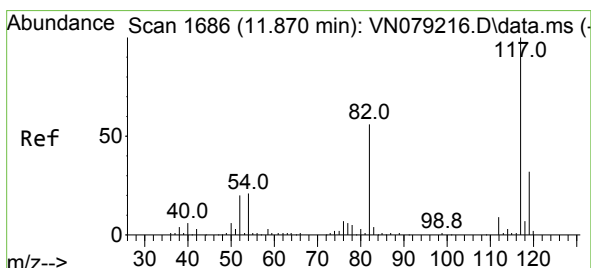
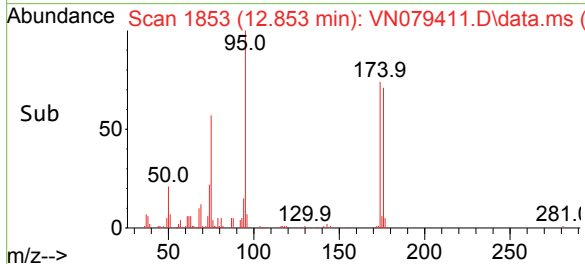
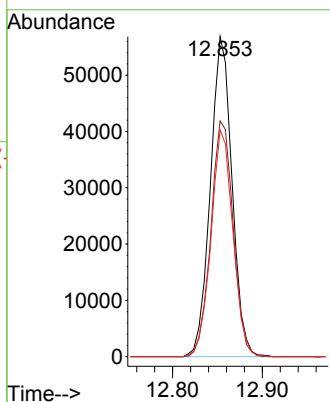
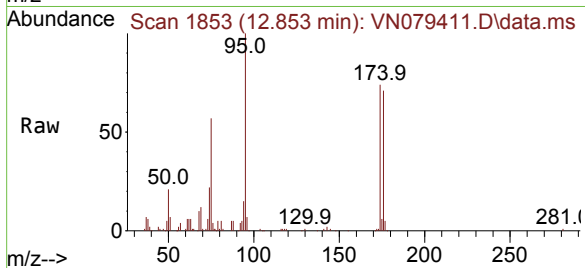




#62
4-Bromofluorobenzene
Concen: 46.148 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079411.D
Acq: 04 Oct 2023 18:24

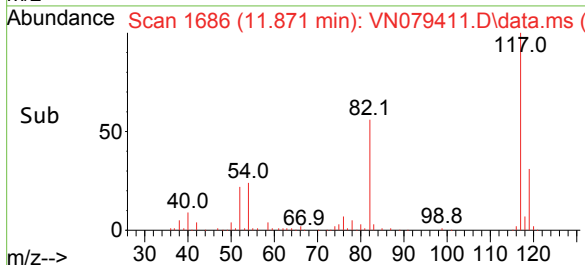
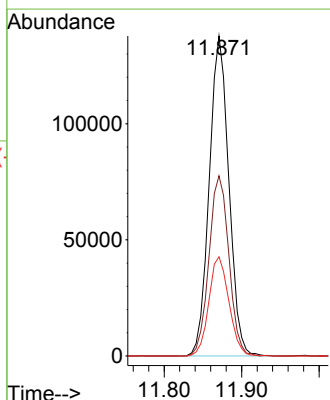
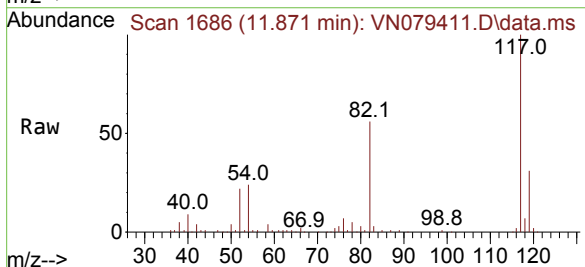
Instrument :
MSVOA_N
ClientSampleId :

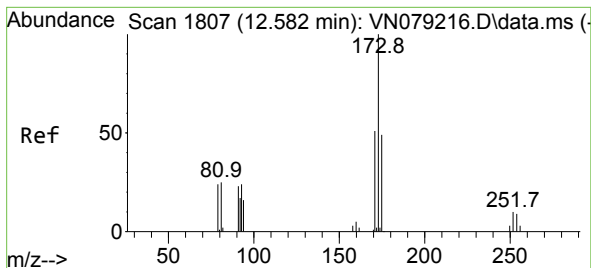
Tgt Ion: 95 Resp: 95061
Ion Ratio Lower Upper
95 100
174 75.9 0.0 143.8
176 71.8 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079411.D
Acq: 04 Oct 2023 18:24

Tgt Ion: 117 Resp: 241962
Ion Ratio Lower Upper
117 100
82 56.3 44.0 66.0
119 31.0 25.6 38.4





#71

Bromoform

Concen: 0.479 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

Lab File: VN079411.D

Acq: 04 Oct 2023 18:24

Instrument :

MSVOA_N

ClientSampleId :

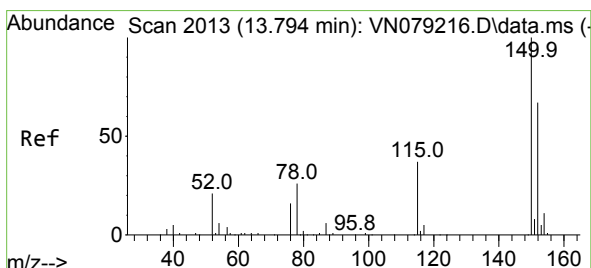
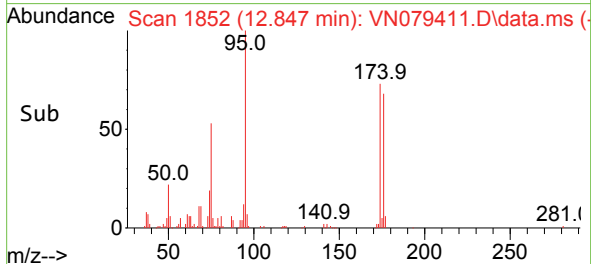
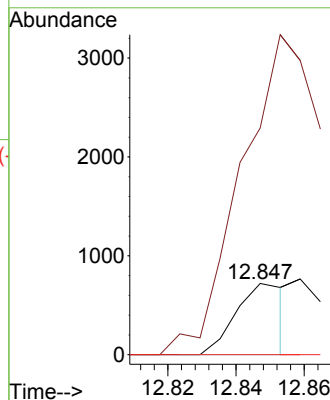
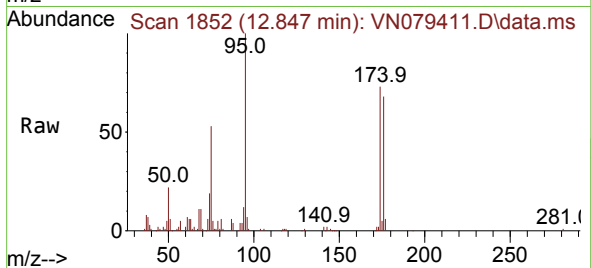
Tgt Ion:173 Resp: 727

Ion Ratio Lower Upper

173 100

175 573.3 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: VN079411.D

Acq: 04 Oct 2023 18:24

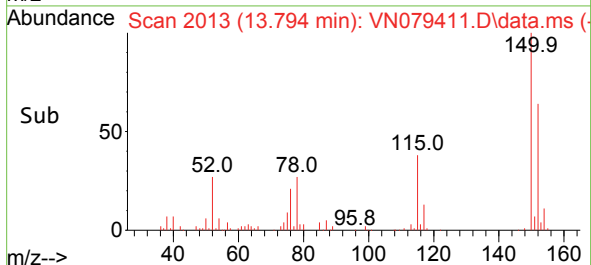
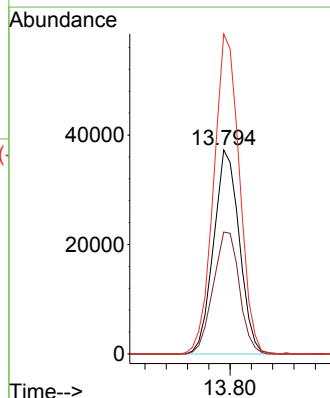
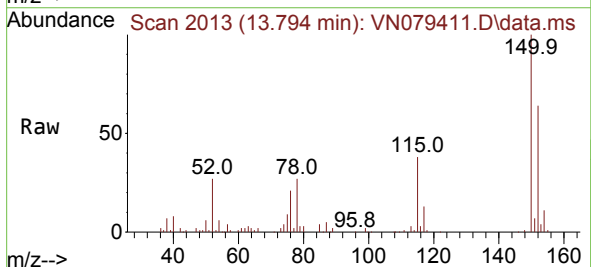
Tgt Ion:152 Resp: 62348

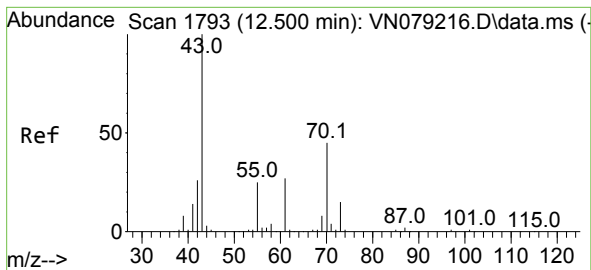
Ion Ratio Lower Upper

152 100

115 61.0 32.3 96.8

150 157.3 0.0 355.8





#74

N-amy1 acetate

Concen: 0.752 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.012 min

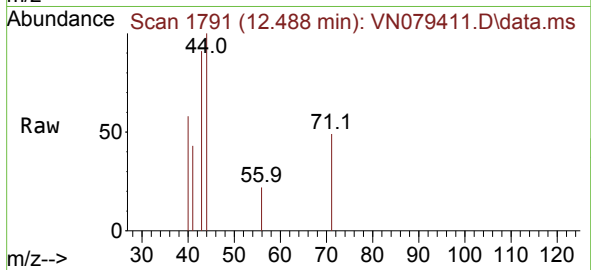
Lab File: VN079411.D

Acq: 04 Oct 2023 18:24

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1619

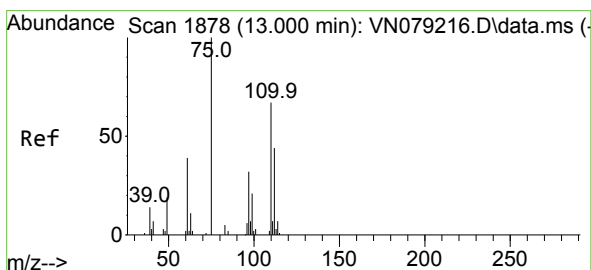
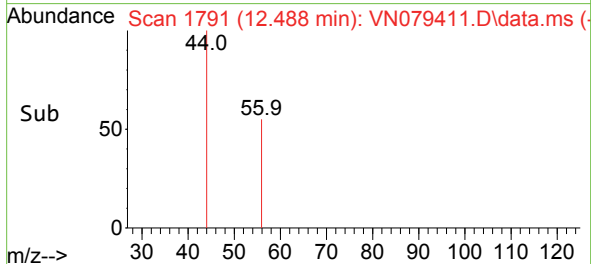
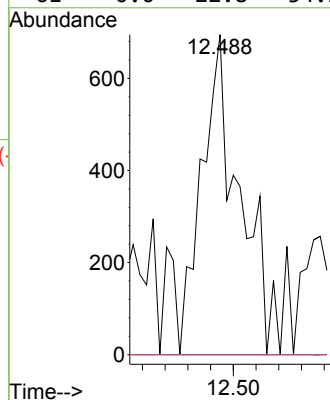
Ion Ratio Lower Upper

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: 30.898 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079411.D

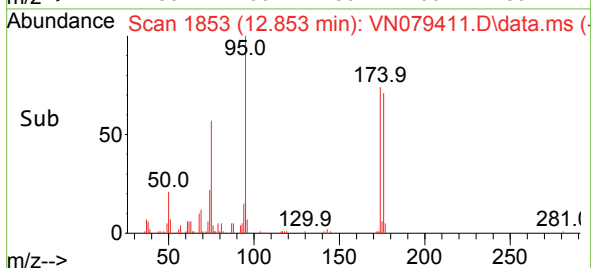
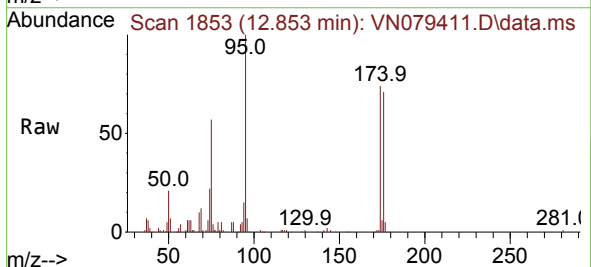
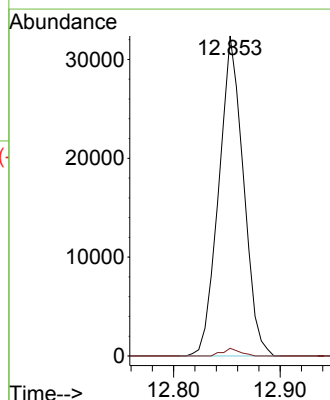
Acq: 04 Oct 2023 18:24

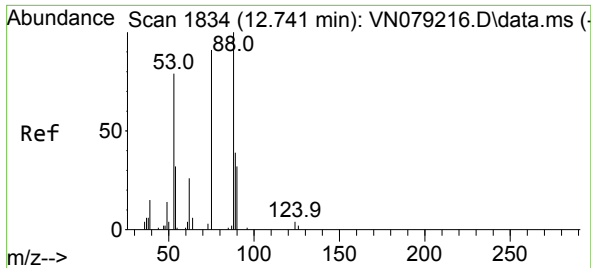
Tgt Ion: 75 Resp: 51920

Ion Ratio Lower Upper

75 100

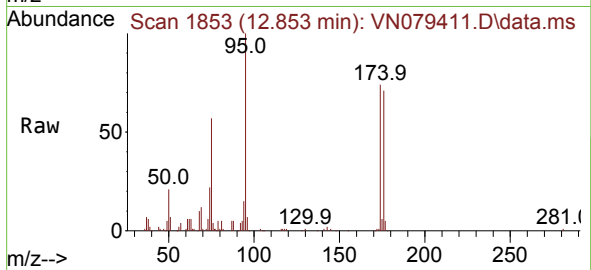
77 1.7 84.5 253.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 84.945 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN079411.D
Acq: 04 Oct 2023 18:24

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 51920
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

