

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093023\
 Data File : VN079383.D
 Acq On : 30 Sep 2023 13:46
 Operator : JC\MD
 Sample : PB155992ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 02 01:54:35 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

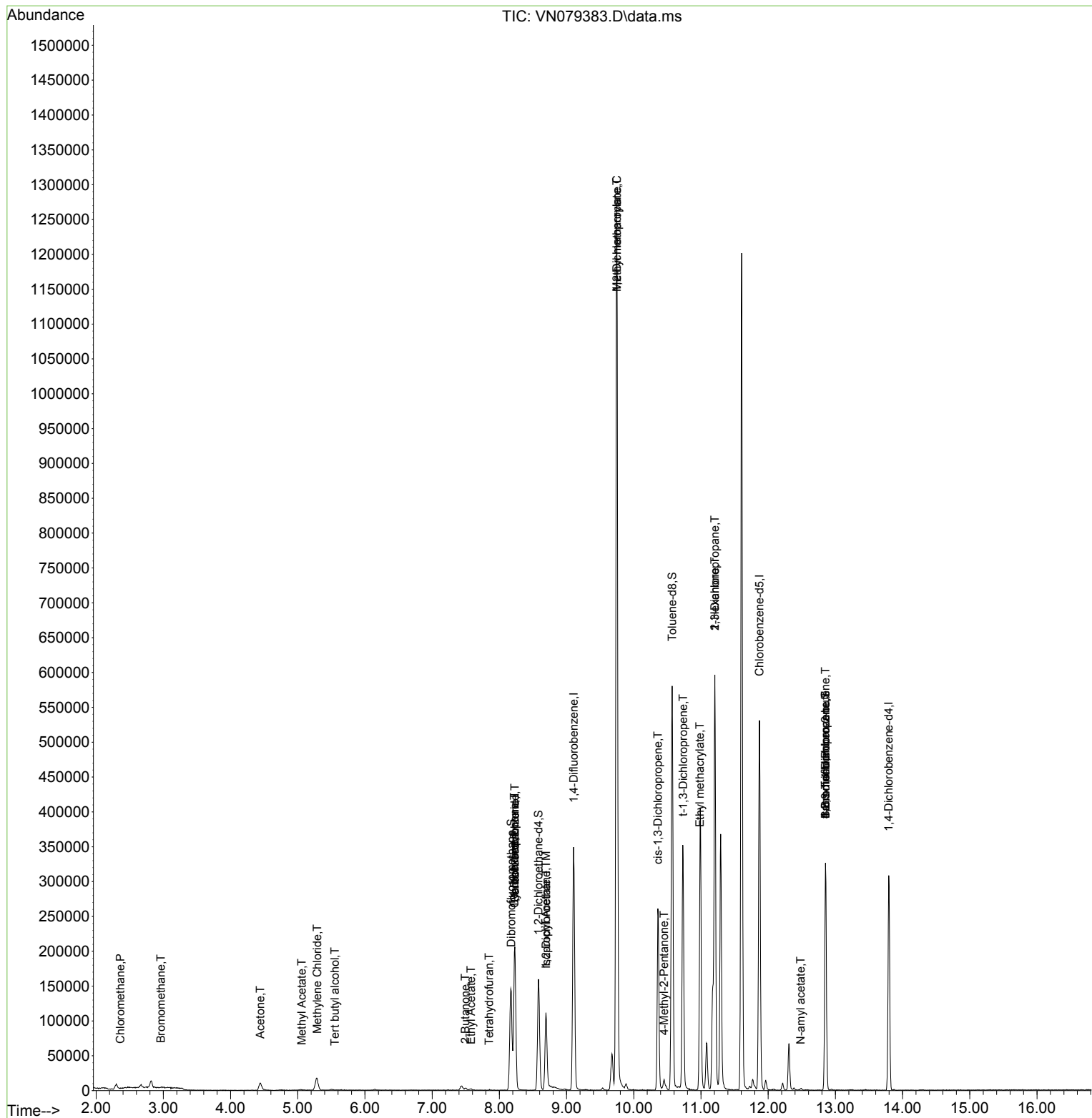
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	145332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	291149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	298888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	80108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	127115	64.794	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 129.580%#		
35) Dibromofluoromethane	8.177	113	105626	54.540	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 109.080%		
50) Toluene-d8	10.571	98	392773	55.233	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 110.460%		
62) 4-Bromofluorobenzene	12.853	95	109576	48.307	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 96.620%		
Target Compounds						Qvalue
3) Chloromethane	2.359	50	464	0.246	ug/l #	81
5) Bromomethane	2.965	94	349	0.295	ug/l	87
6) Chloroethane	3.124	64	305	Below Cal	#	43
11) Tert butyl alcohol	5.553	59	117	0.323	ug/l #	72
16) Acetone	4.441	43	21629	25.959	ug/l #	80
18) Methyl Acetate	5.059	43	1559	0.455	ug/l #	42
20) Methylene Chloride	5.289	84	12585	6.207	ug/l #	76
25) 2-Butanone	7.494	43	5146	4.257	ug/l #	65
29) Tetrahydrofuran	7.847	42	320	0.416	ug/l #	20
31) Cyclohexane	8.224	56	4132	1.442	ug/l #	43
36) 1,1-Dichloropropene	8.224	75	14057	4.709	ug/l #	47
37) Ethyl Acetate	7.577	43	2721	0.914	ug/l #	66
38) Carbon Tetrachloride	8.229	117	15621	5.057	ug/l #	15
42) 1,2-Dichloroethane	8.694	62	756	0.240	ug/l #	73
43) Isopropyl Acetate	8.694	43	129247	26.604	ug/l #	79
45) 1,2-Dichloropropane	9.747	63	1355	0.597	ug/l #	45
48) Methyl methacrylate	9.747	41	118478	54.445	ug/l #	30
51) 4-Methyl-2-Pentanone	10.453	43	15287	5.421	ug/l #	70
53) t-1,3-Dichloropropene	10.735	75	962	0.289	ug/l	93
54) cis-1,3-Dichloropropene	10.359	75	43134	12.129	ug/l #	71
56) Ethyl methacrylate	10.982	69	2104	0.676	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6050	1.588	ug/l #	42
59) 2-Hexanone	11.206	43	76724	37.561	ug/l #	47
71) Bromoform	12.853	173	860	0.459	ug/l #	28
74) N-amyl acetate	12.482	43	1336	0.483	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	61570	28.518	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	61570	78.401	ug/l #	15

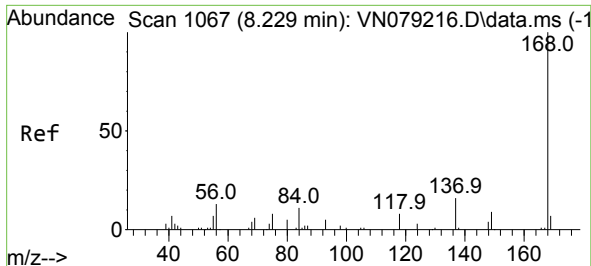
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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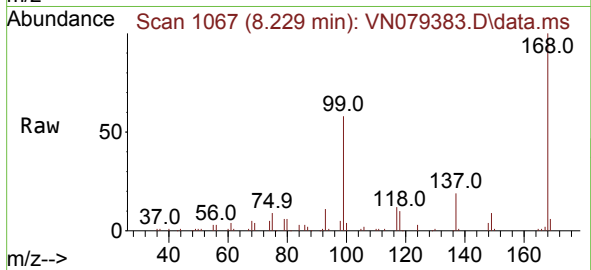
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 05:05:24 2023
Response via : Initial Calibration



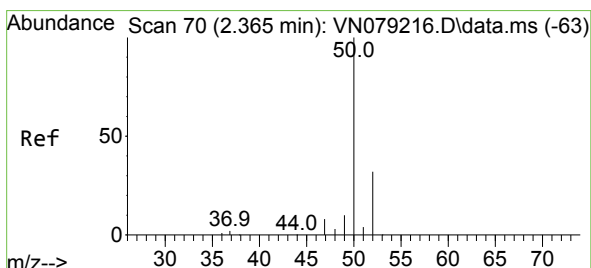
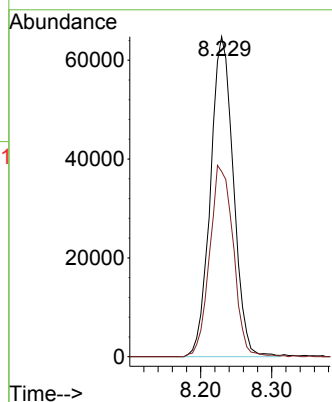
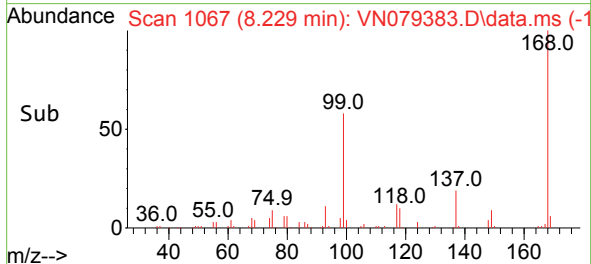


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN079383.D
Acq: 30 Sep 2023 13:46

Instrument :
MSVOA_N
ClientSampleId :

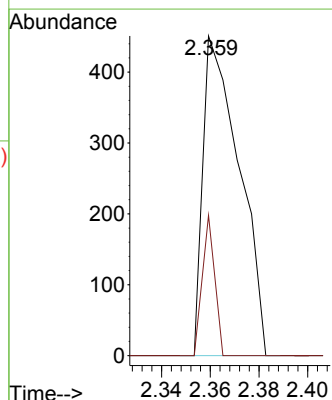
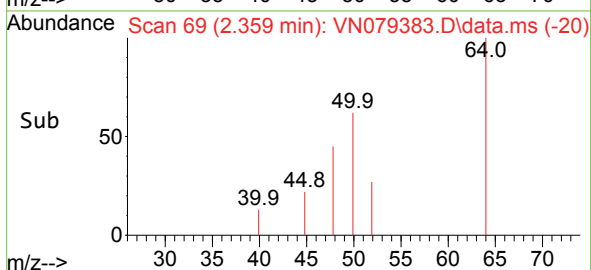
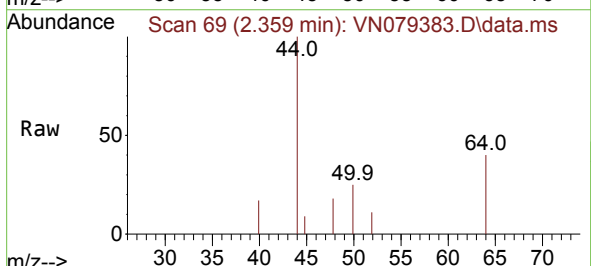


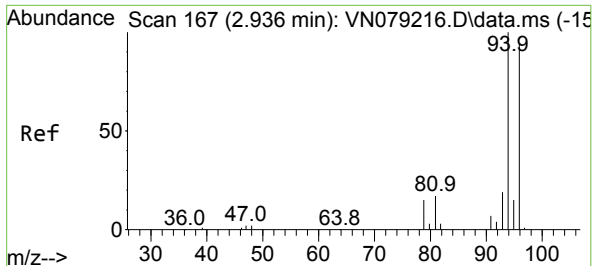
Tgt Ion:168 Resp: 145332
Ion Ratio Lower Upper
168 100
99 57.9 53.0 79.6



#3
Chloromethane
Concen: 0.246 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.012 min
Lab File: VN079383.D
Acq: 30 Sep 2023 13:46

Tgt Ion: 50 Resp: 464
Ion Ratio Lower Upper
50 100
52 43.9 26.5 39.7#

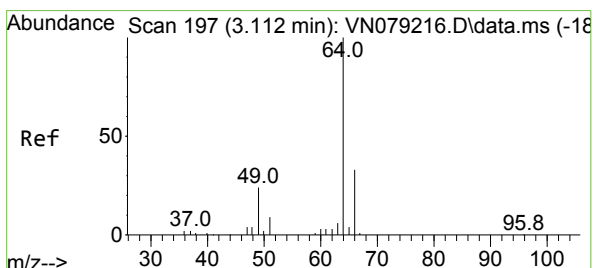
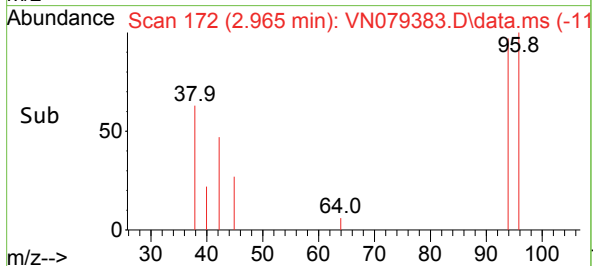
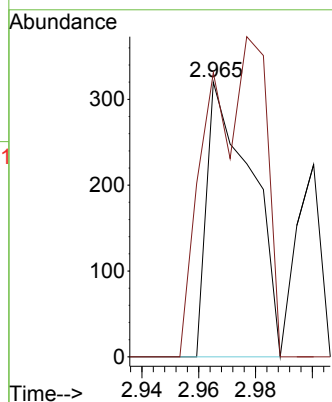
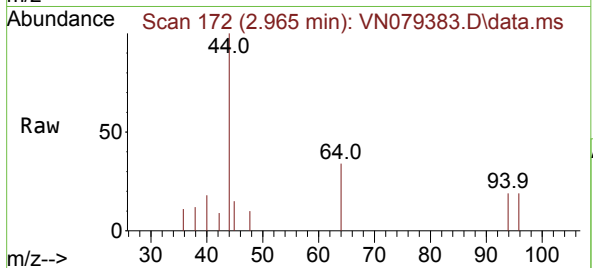




#5
Bromomethane
Concen: 0.295 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN079383.D
Acq: 30 Sep 2023 13:46

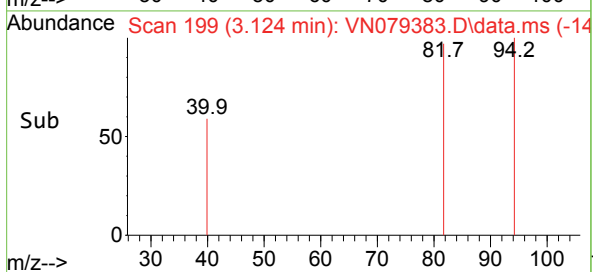
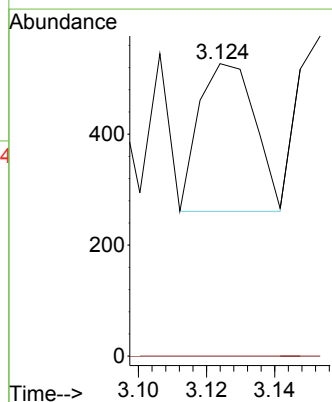
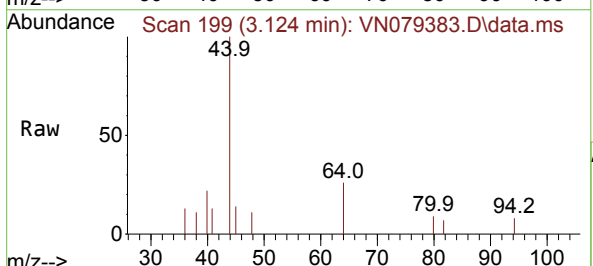
Instrument :
MSVOA_N
ClientSampleId :

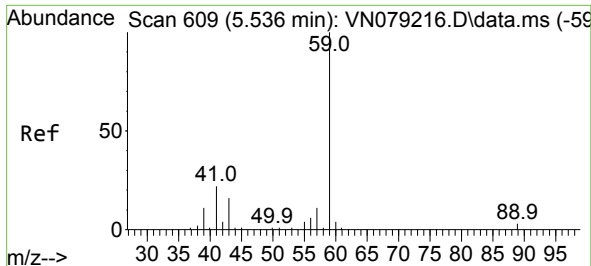
Tgt Ion: 94 Resp: 349
Ion Ratio Lower Upper
94 100
96 103.4 73.1 109.7



#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN079383.D
Acq: 30 Sep 2023 13:46

Tgt Ion: 64 Resp: 305
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

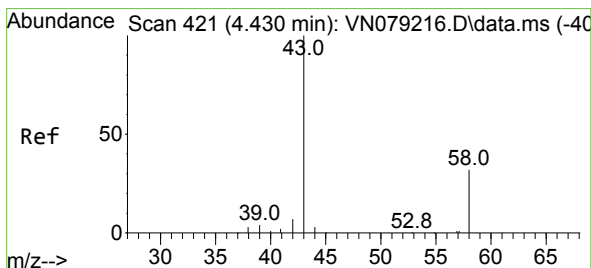
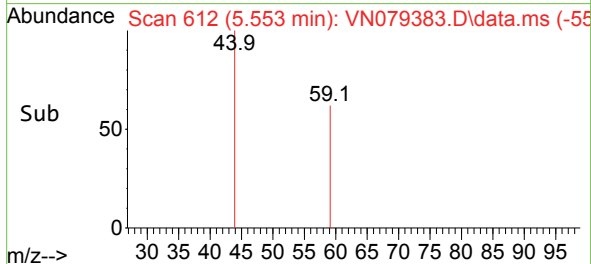
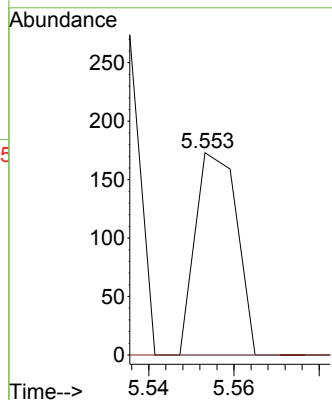
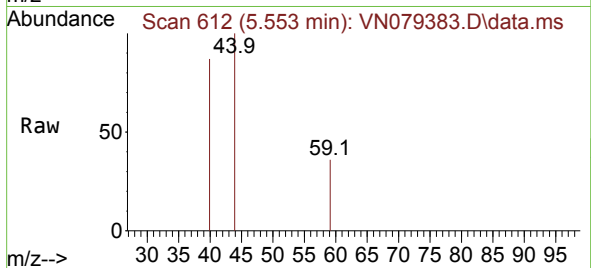




#11
Tert butyl alcohol
Concen: 0.323 ug/l
RT: 5.553 min Scan# 611
Delta R.T. 0.011 min
Lab File: VN079383.D
Acq: 30 Sep 2023 13:46

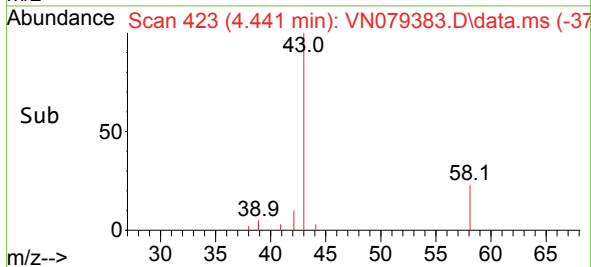
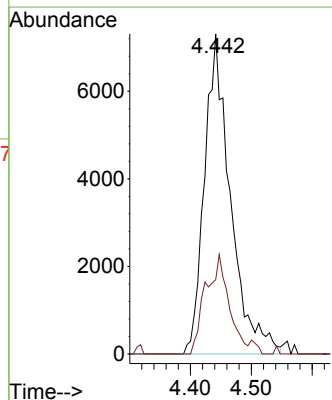
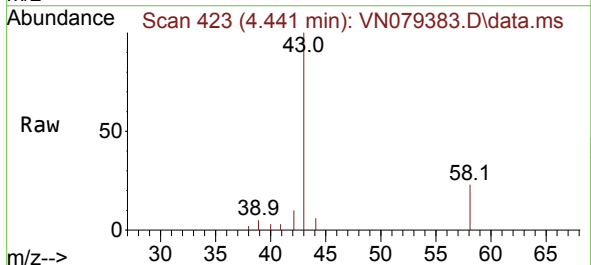
Instrument :
MSVOA_N
ClientSampleId :

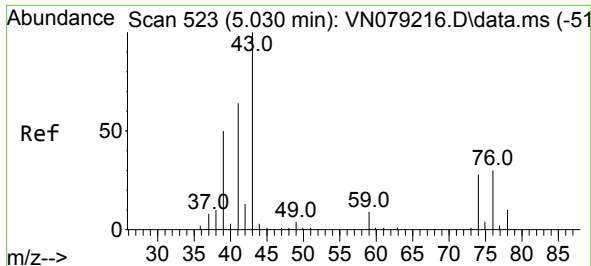
Tgt Ion: 59 Resp: 117
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 25.959 ug/l
RT: 4.441 min Scan# 423
Delta R.T. -0.001 min
Lab File: VN079383.D
Acq: 30 Sep 2023 13:46

Tgt Ion: 43 Resp: 21629
Ion Ratio Lower Upper
43 100
58 23.2 28.0 42.0#





#18

Methyl Acetate

Concen: 0.455 ug/l

RT: 5.059 min Scan# 51

Delta R.T. 0.017 min

Lab File: VN079383.D

Acq: 30 Sep 2023 13:46

Instrument :

MSVOA_N

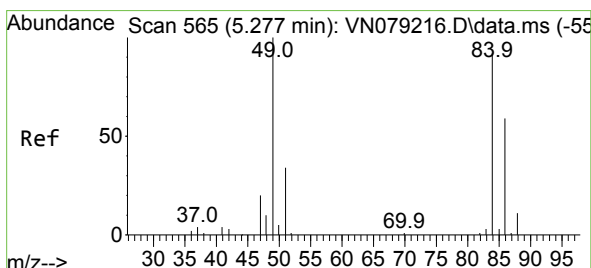
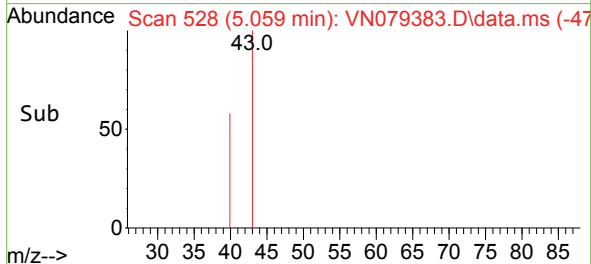
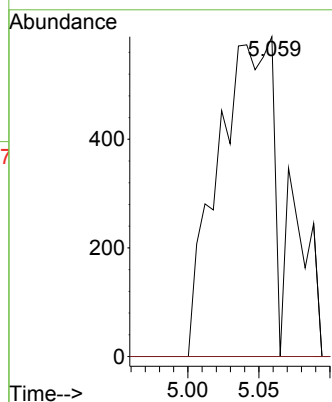
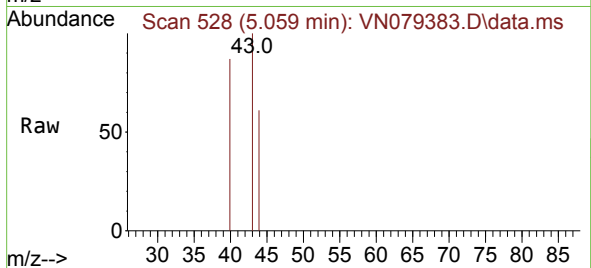
ClientSampleId :

Tgt Ion: 43 Resp: 1559

Ion Ratio Lower Upper

43 100

74 0.0 26.2 39.4#



#20

Methylene Chloride

Concen: 6.207 ug/l

RT: 5.289 min Scan# 567

Delta R.T. 0.005 min

Lab File: VN079383.D

Acq: 30 Sep 2023 13:46

Tgt Ion: 84 Resp: 12585

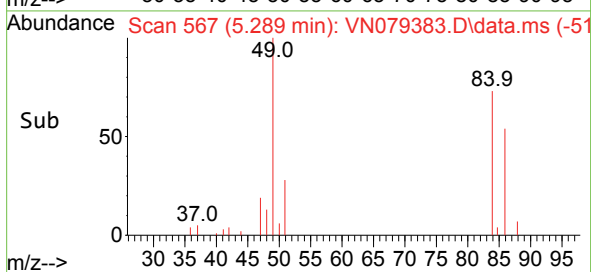
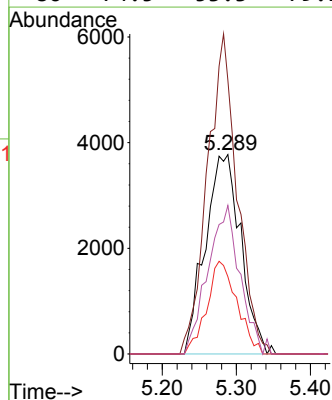
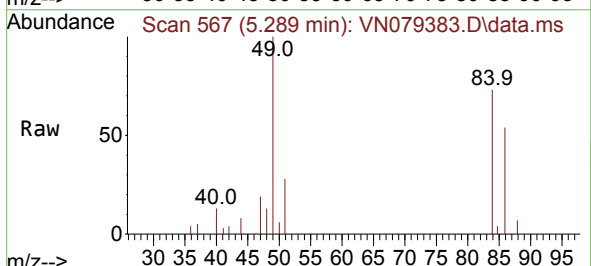
Ion Ratio Lower Upper

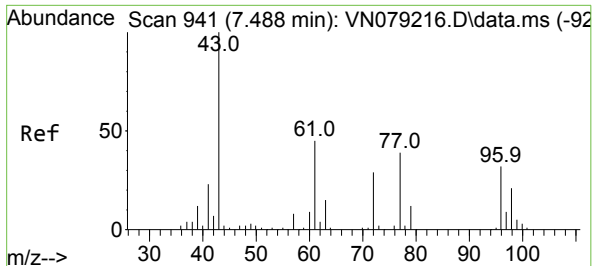
84 100

49 137.4 79.7 119.5#

51 38.8 25.2 37.8#

86 74.5 53.3 79.9





#25

2-Butanone

Concen: 4.257 ug/l

RT: 7.494 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN079383.D

Acq: 30 Sep 2023 13:46

Instrument :

MSVOA_N

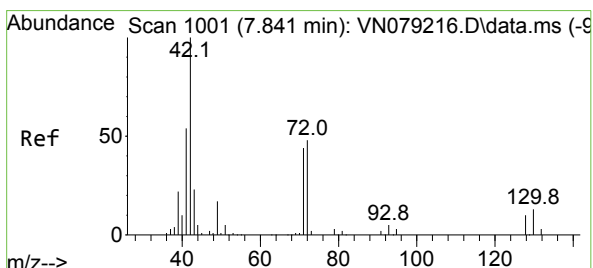
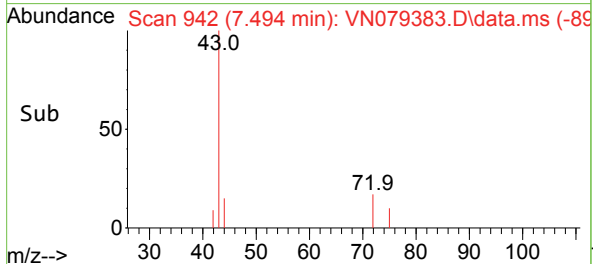
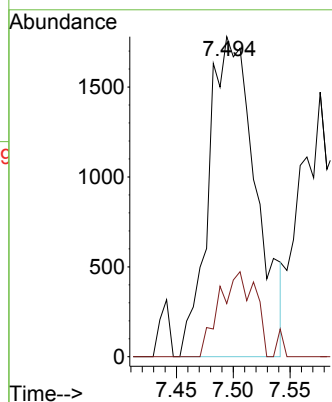
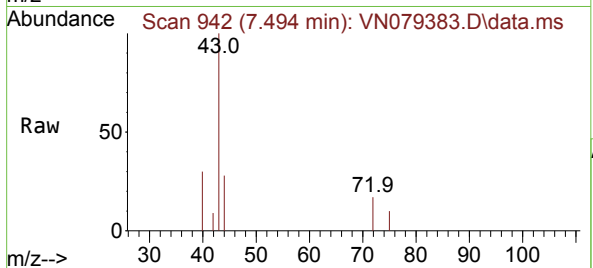
ClientSampleId :

Tgt Ion: 43 Resp: 5146

Ion Ratio Lower Upper

43 100

72 16.6 30.2 45.2#



#29

Tetrahydrofuran

Concen: 0.416 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.000 min

Lab File: VN079383.D

Acq: 30 Sep 2023 13:46

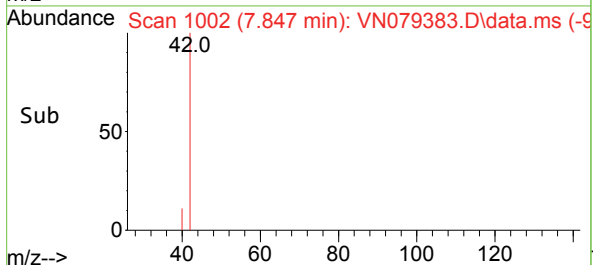
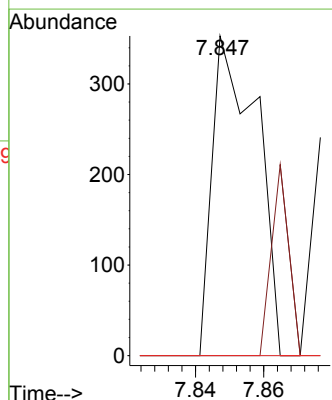
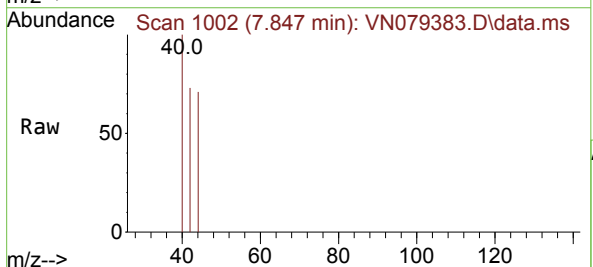
Tgt Ion: 42 Resp: 320

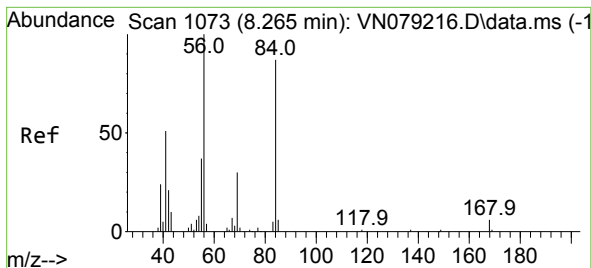
Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

71 0.0 47.4 71.2#





#31

Cyclohexane

Concen: 1.442 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.041 min

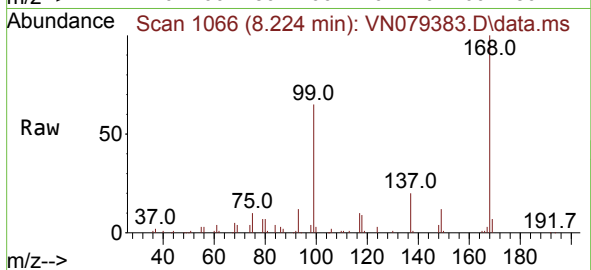
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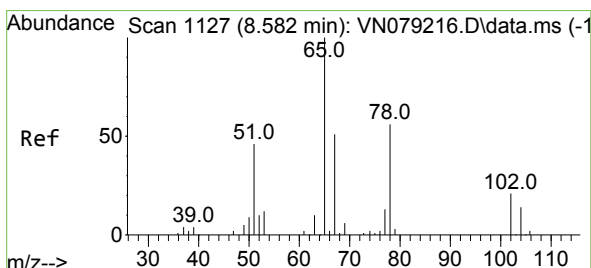
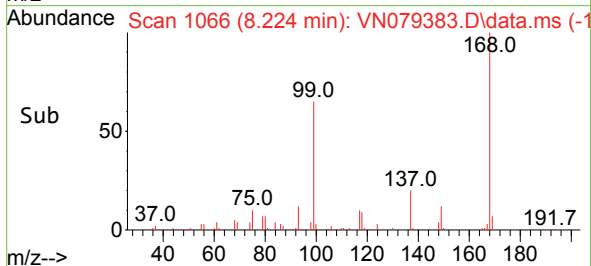
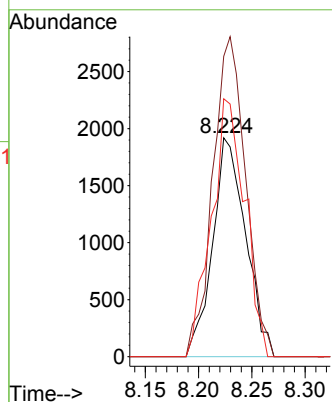
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	56	Resp:	4132
Ion	Ratio	Lower	Upper
56	100		
69	137.2	26.8	40.2#
84	117.9	81.8	122.6



#33

1,2-Dichloroethane-d4

Concen: 64.794 ug/l

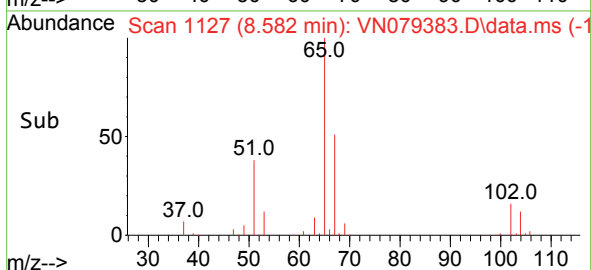
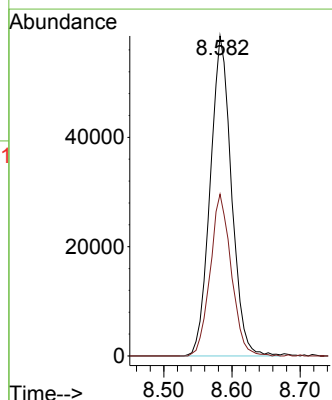
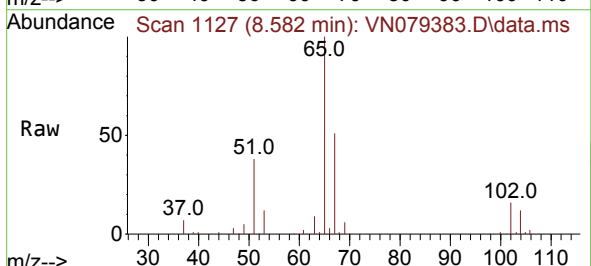
RT: 8.582 min Scan# 1127

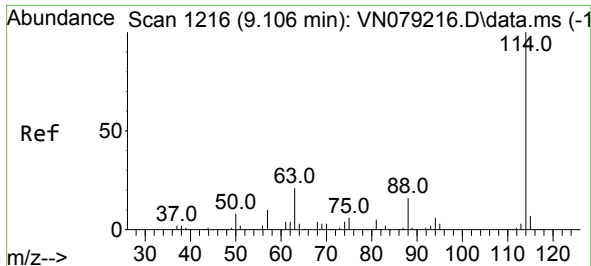
Delta R.T. -0.001 min

Lab File: VN079383.D

Acq: 30 Sep 2023 13:46

Tgt Ion:	65	Resp:	127115
Ion	Ratio	Lower	Upper
65	100		
67	50.1	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: VN079383.D

Acq: 30 Sep 2023 13:46

Instrument :

MSVOA_N

ClientSampleId :

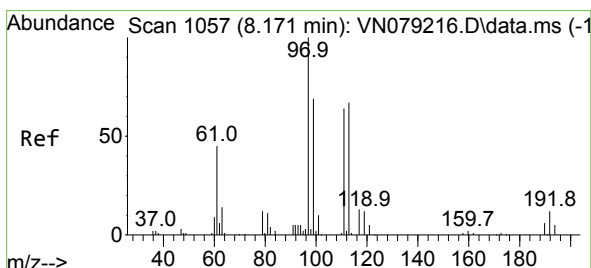
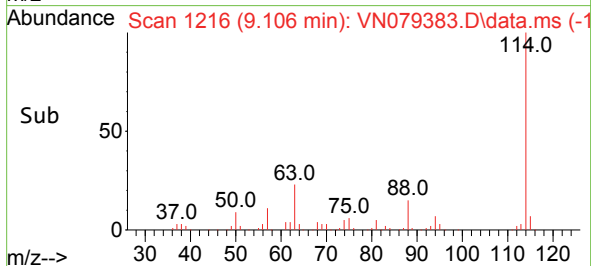
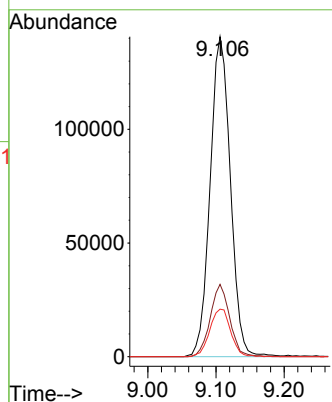
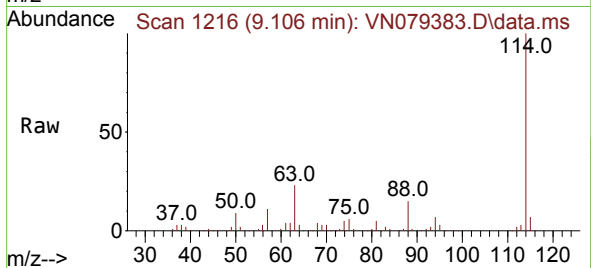
Tgt Ion:114 Resp: 291149

Ion Ratio Lower Upper

114 100

63 22.6 0.0 36.4

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.540 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN079383.D

Acq: 30 Sep 2023 13:46

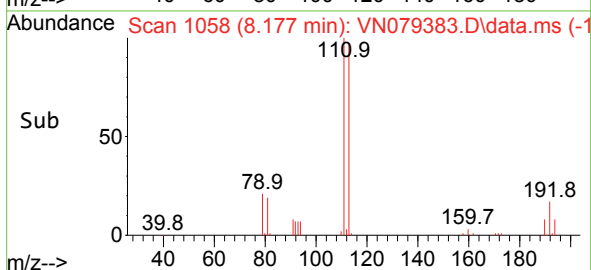
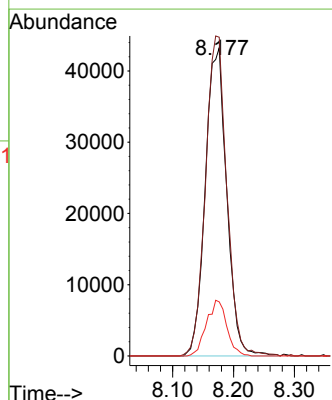
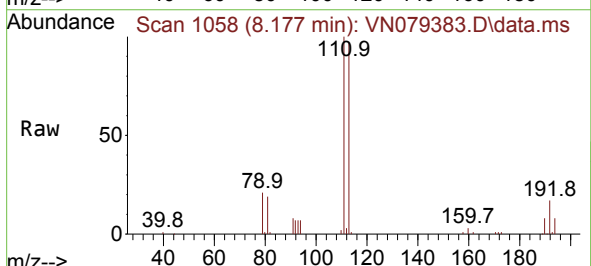
Tgt Ion:113 Resp: 105626

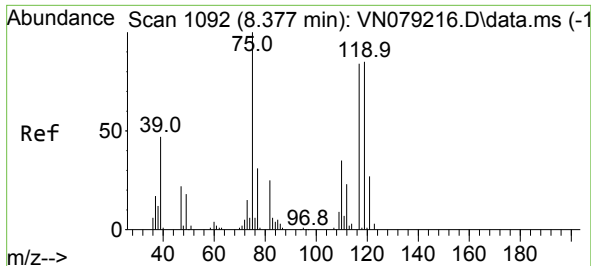
Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

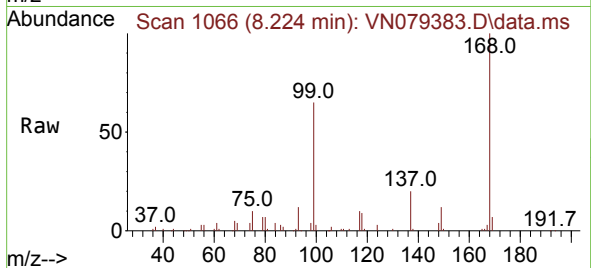
192 17.2 12.7 19.1



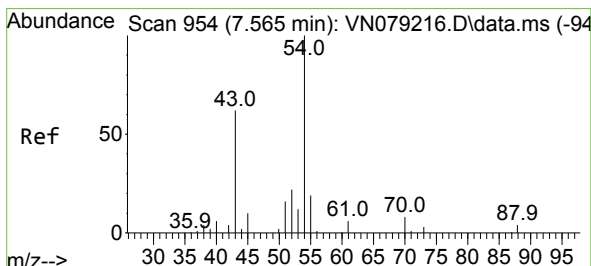
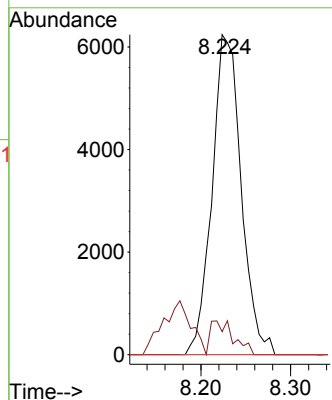
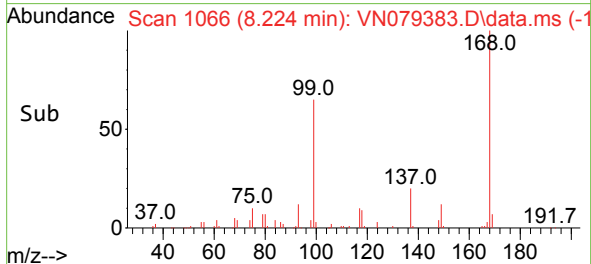


#36
1,1-Dichloropropene
Concen: 4.709 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN079383.D
Acq: 30 Sep 2023 13:46

Instrument :
MSVOA_N
ClientSampleId :

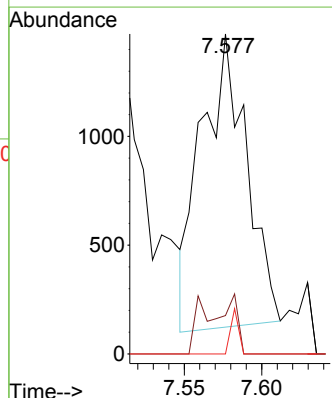
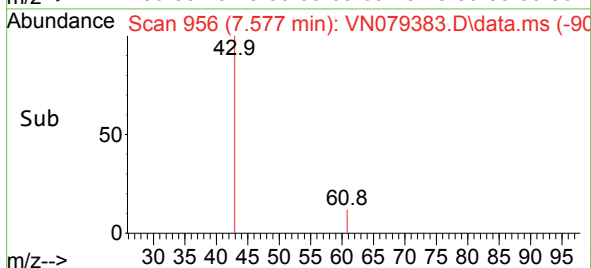
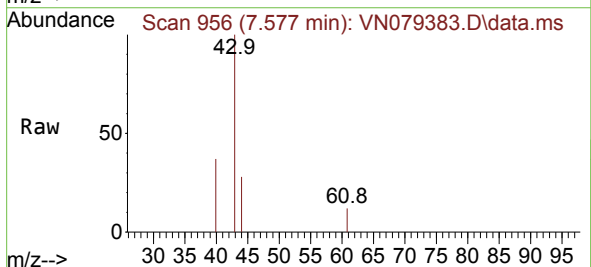


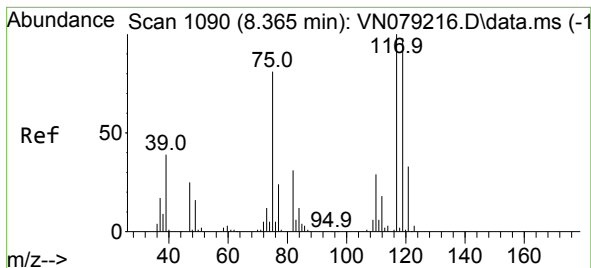
Tgt Ion: 75 Resp: 14057
Ion Ratio Lower Upper
75 100
110 8.4 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.914 ug/l
RT: 7.577 min Scan# 956
Delta R.T. 0.006 min
Lab File: VN079383.D
Acq: 30 Sep 2023 13:46

Tgt Ion: 43 Resp: 2721
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 2.7 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.057 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.142 min

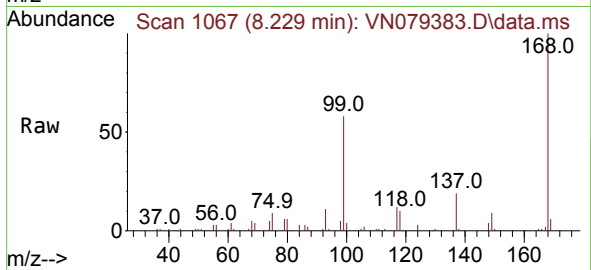
Lab File: VN079383.D

Acq: 30 Sep 2023 13:46

Instrument :

MSVOA_N

ClientSampleId :



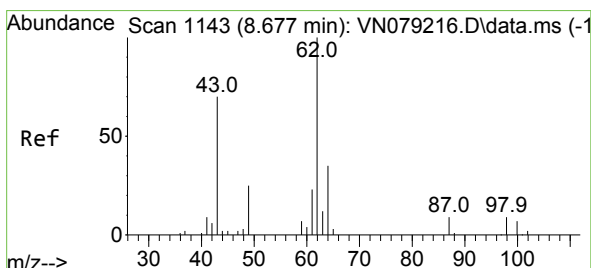
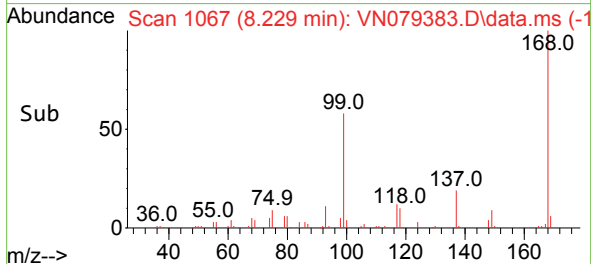
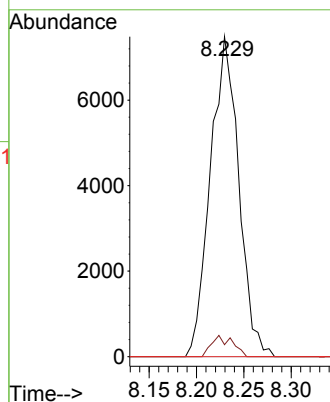
Tgt Ion:117 Resp: 15621

Ion Ratio Lower Upper

117 100

119 3.7 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.240 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.017 min

Lab File: VN079383.D

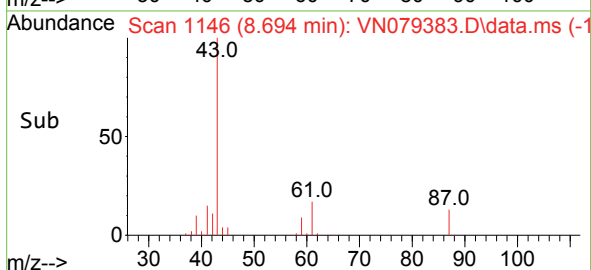
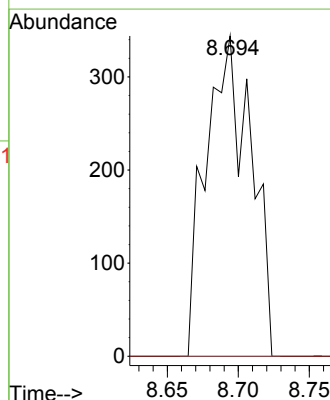
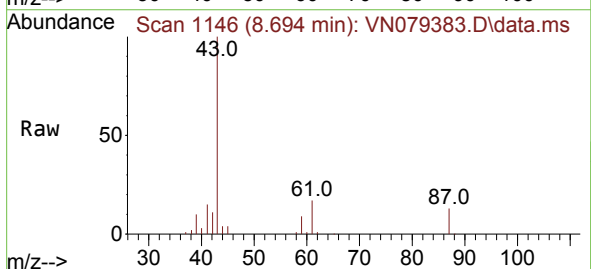
Acq: 30 Sep 2023 13:46

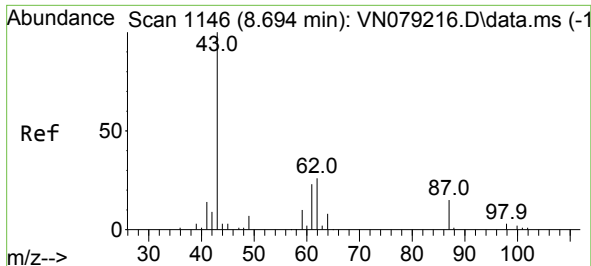
Tgt Ion: 62 Resp: 756

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

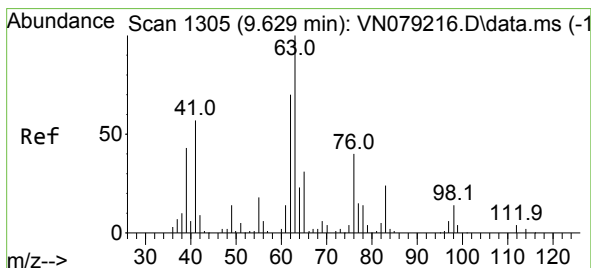
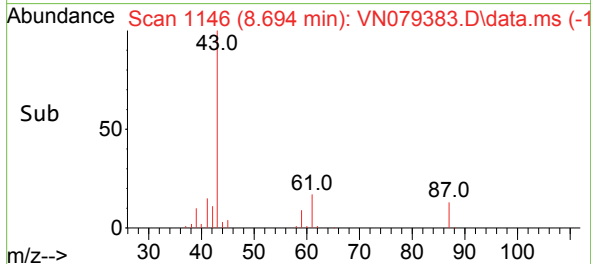
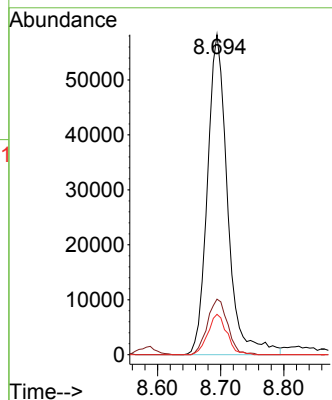
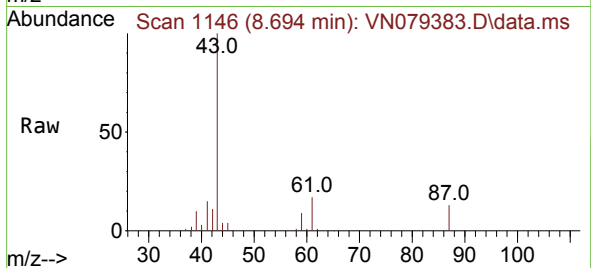




#43
Isopropyl Acetate
Concen: 26.604 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079383.D
Acq: 30 Sep 2023 13:46

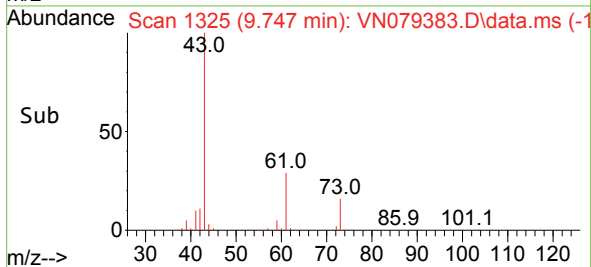
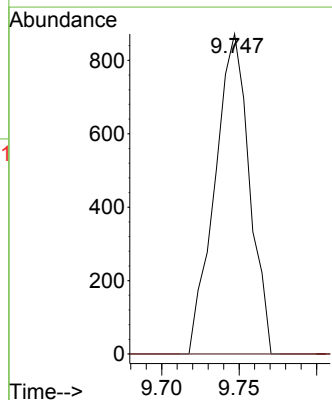
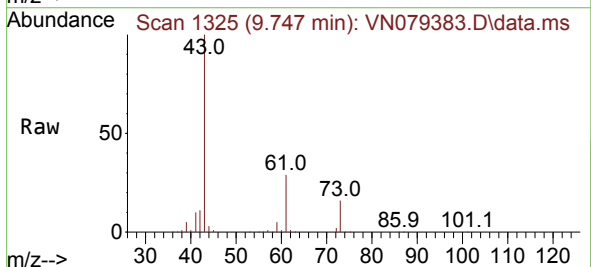
Instrument :
MSVOA_N
ClientSampleId :

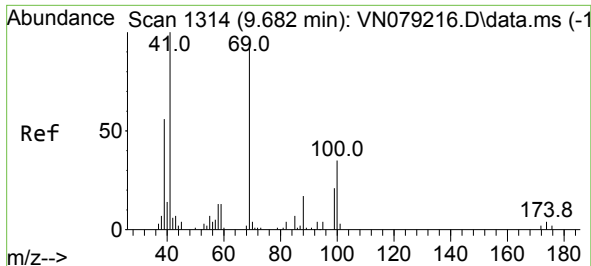
Tgt Ion: 43 Resp: 129247
Ion Ratio Lower Upper
43 100
61 17.4 24.7 37.1#
87 11.8 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.597 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN079383.D
Acq: 30 Sep 2023 13:46

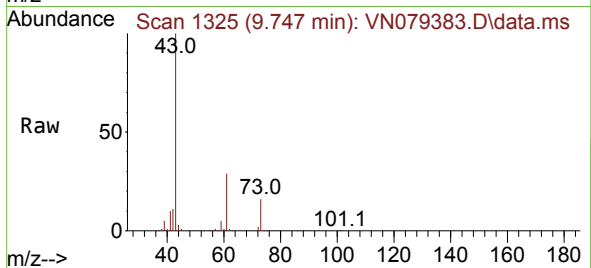
Tgt Ion: 63 Resp: 1355
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



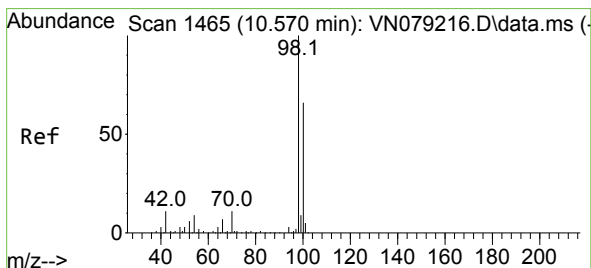
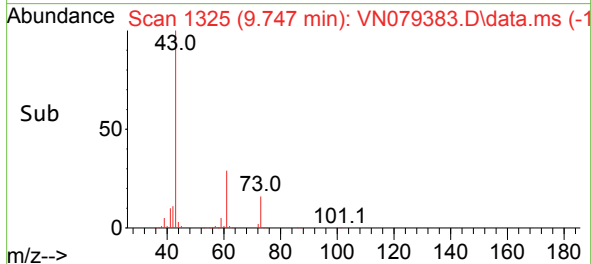
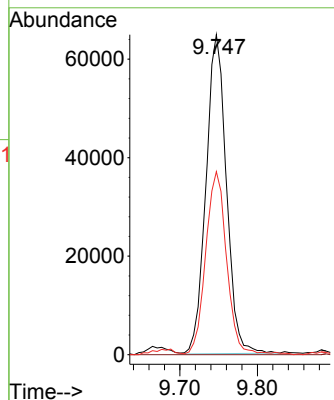


#48
Methyl methacrylate
Concen: 54.445 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN079383.D
Acq: 30 Sep 2023 13:46

Instrument :
MSVOA_N
ClientSampleId :

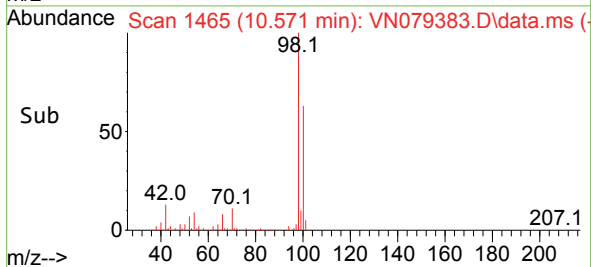
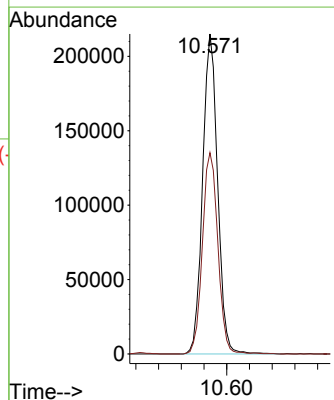
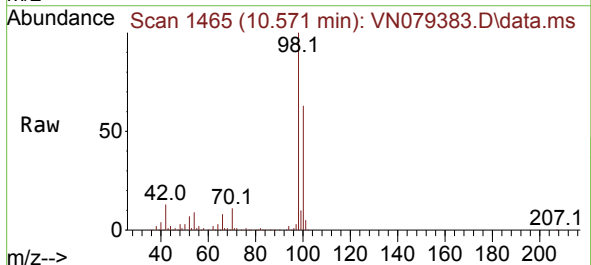


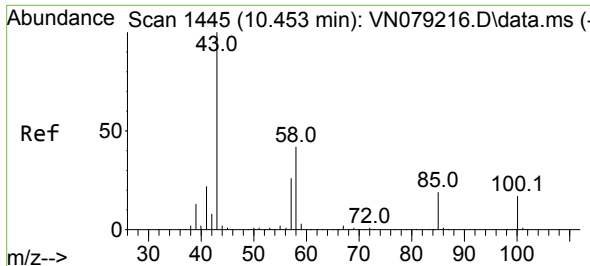
Tgt Ion: 41 Resp: 118478
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 57.9 54.6 81.8



#50
Toluene-d8
Concen: 55.233 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079383.D
Acq: 30 Sep 2023 13:46

Tgt Ion: 98 Resp: 392773
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 5.421 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. -0.000 min

Lab File: VN079383.D

Acq: 30 Sep 2023 13:46

Instrument :

MSVOA_N

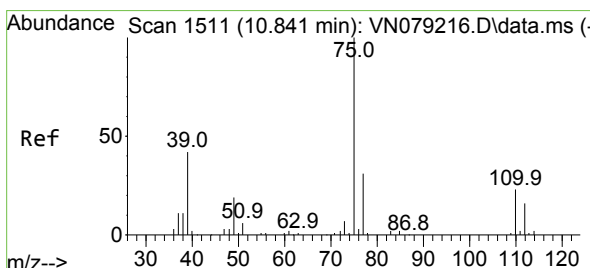
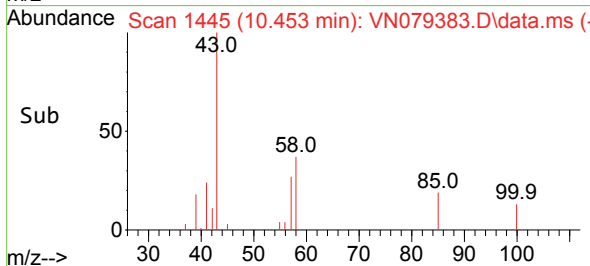
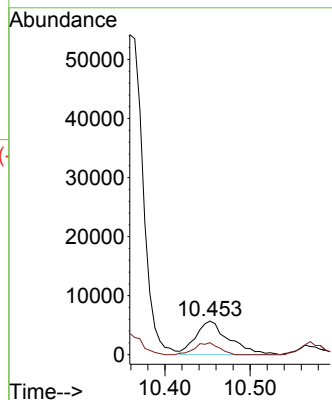
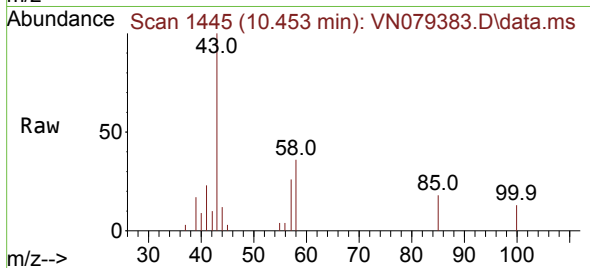
ClientSampleId :

Tgt Ion: 43 Resp: 15287

Ion Ratio Lower Upper

43 100

58 26.1 36.6 54.8#



#53

t-1,3-Dichloropropene

Concen: 0.289 ug/l

RT: 10.735 min Scan# 1493

Delta R.T. -0.106 min

Lab File: VN079383.D

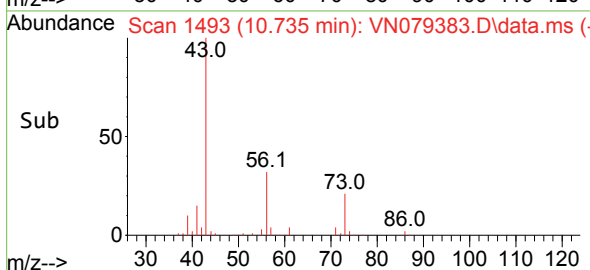
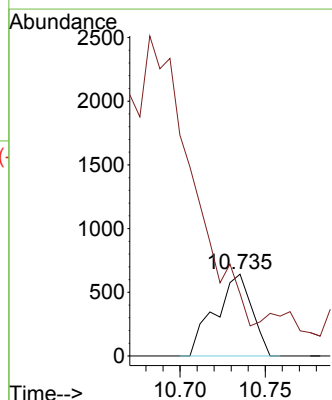
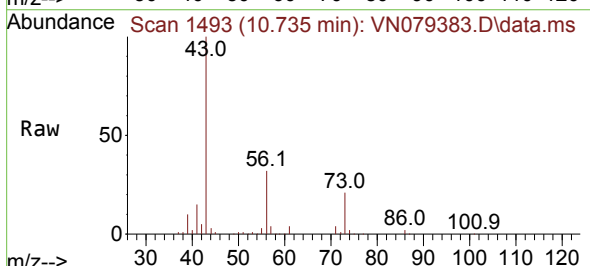
Acq: 30 Sep 2023 13:46

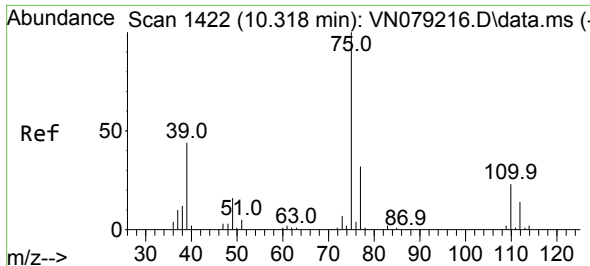
Tgt Ion: 75 Resp: 962

Ion Ratio Lower Upper

75 100

77 27.6 25.4 38.0

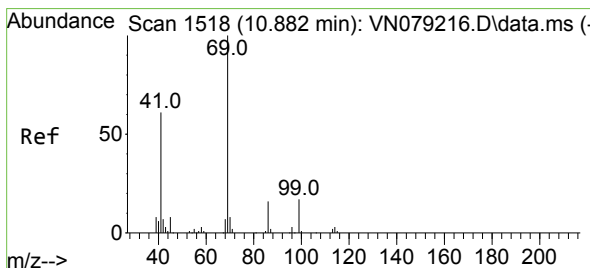
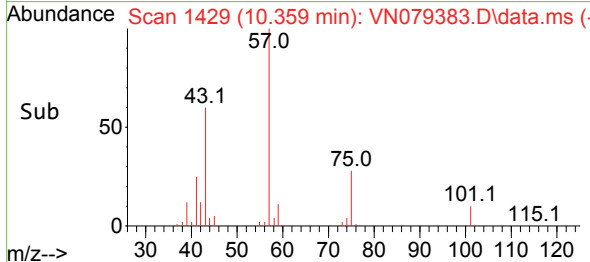
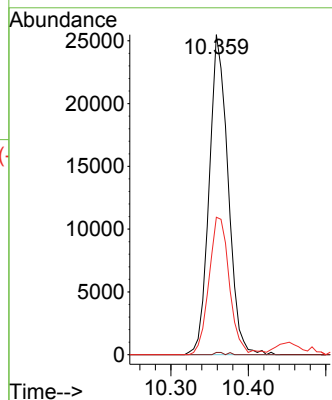
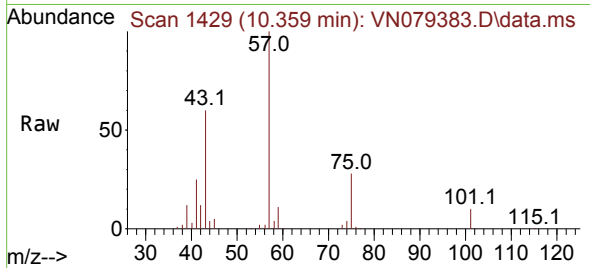




#54
cis-1,3-Dichloropropene
Concen: 12.129 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN079383.D
Acq: 30 Sep 2023 13:46

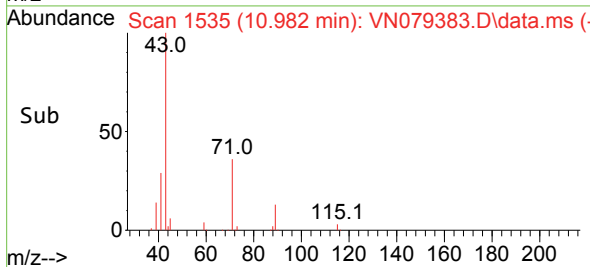
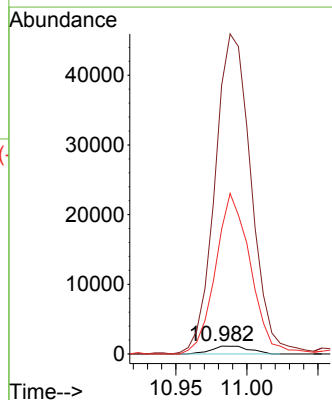
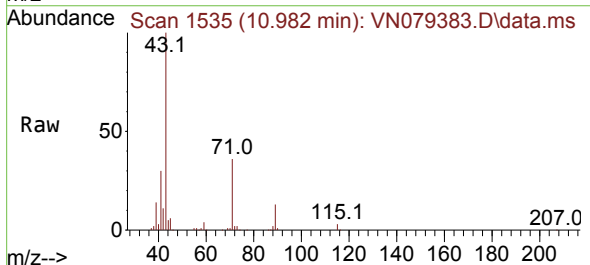
Instrument :
MSVOA_N
ClientSampleId :

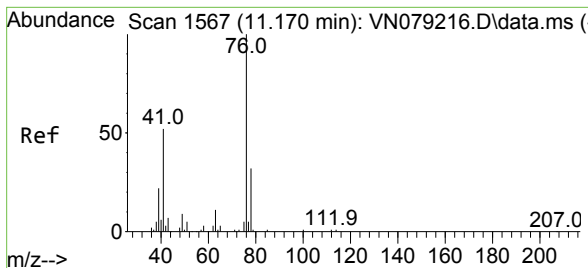
Tgt Ion: 75 Resp: 43134
Ion Ratio Lower Upper
75 100
77 0.7 26.1 39.1#
39 43.0 31.6 47.4



#56
Ethyl methacrylate
Concen: 0.676 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.105 min
Lab File: VN079383.D
Acq: 30 Sep 2023 13:46

Tgt Ion: 69 Resp: 2104
Ion Ratio Lower Upper
69 100
41 3878.9 39.6 59.4#
39 1882.6 28.6 43.0#

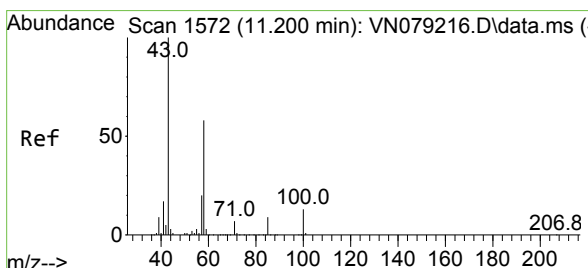
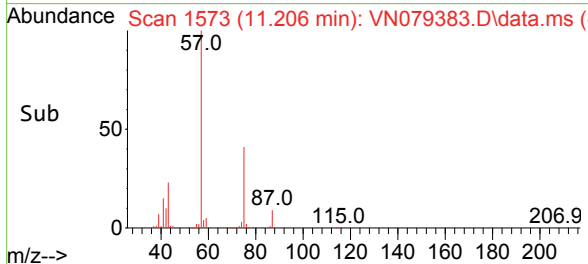
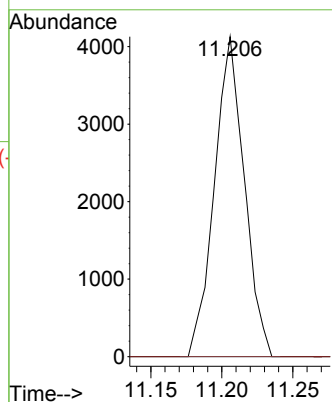
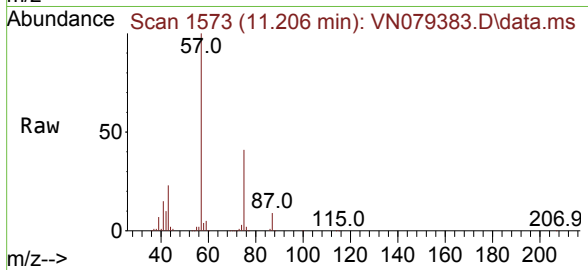




#57
1,3-Dichloropropane
Concen: 1.588 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079383.D
Acq: 30 Sep 2023 13:46

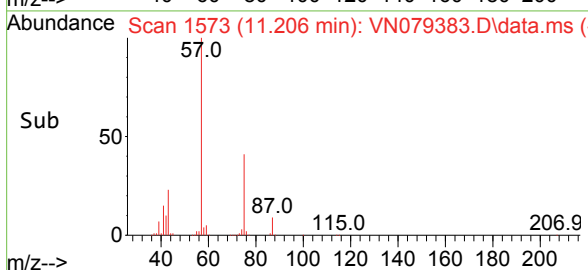
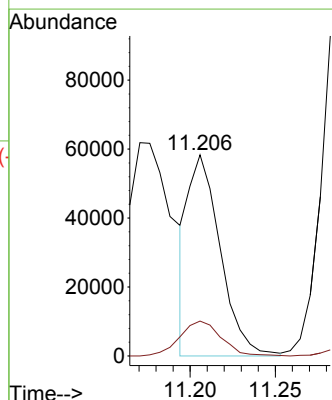
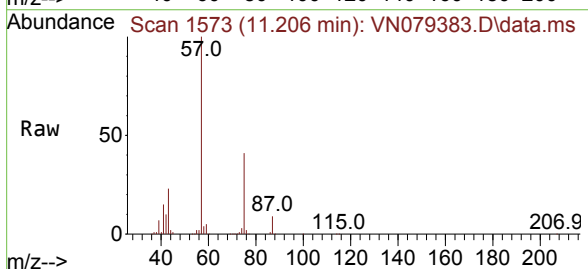
Instrument :
MSVOA_N
ClientSampleId :

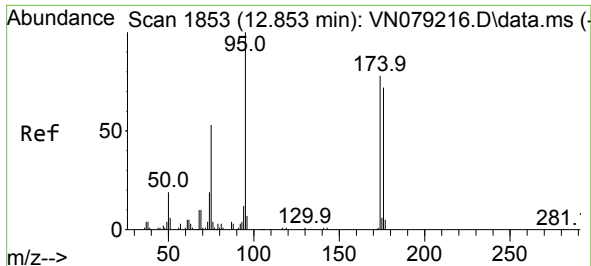
Tgt Ion: 76 Resp: 6050
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 37.561 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN079383.D
Acq: 30 Sep 2023 13:46

Tgt Ion: 43 Resp: 76724
Ion Ratio Lower Upper
43 100
58 22.3 31.7 95.1#

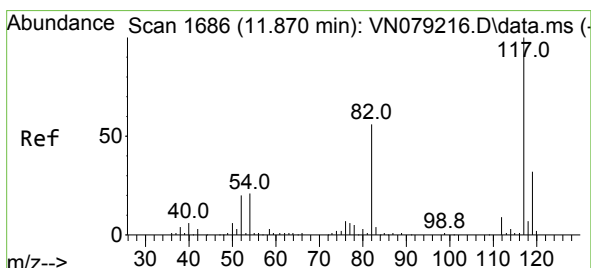
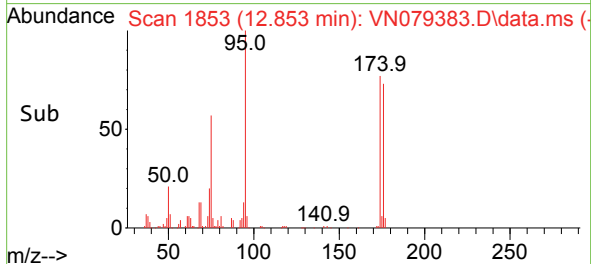
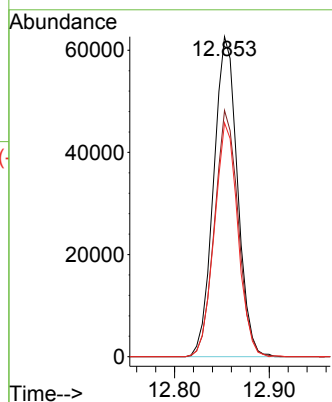
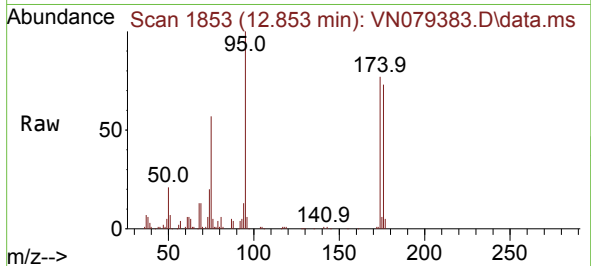




#62
4-Bromofluorobenzene
Concen: 48.307 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079383.D
Acq: 30 Sep 2023 13:46

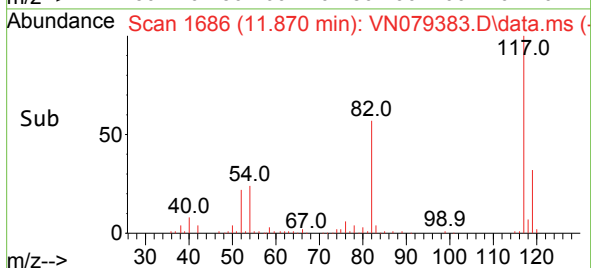
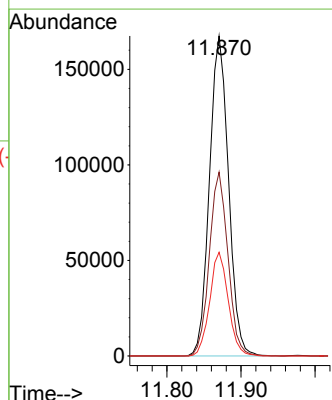
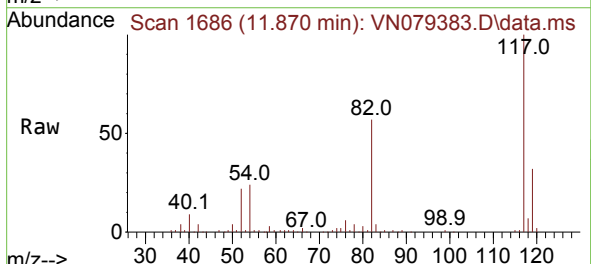
Instrument :
MSVOA_N
ClientSampleId :

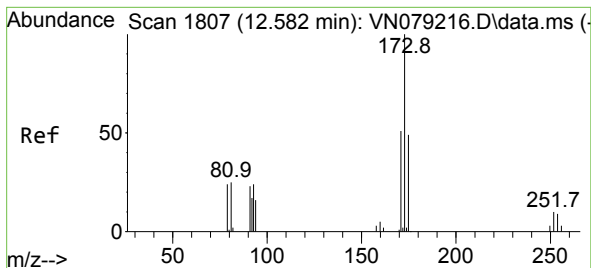
Tgt Ion: 95 Resp: 109576
Ion Ratio Lower Upper
95 100
174 76.4 0.0 143.8
176 72.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN079383.D
Acq: 30 Sep 2023 13:46

Tgt Ion: 117 Resp: 298888
Ion Ratio Lower Upper
117 100
82 57.4 44.0 66.0
119 32.4 25.6 38.4





#71

Bromoform

Concen: 0.459 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

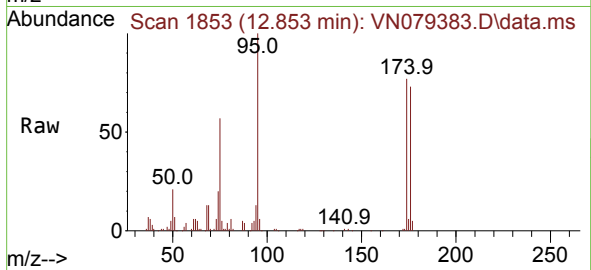
Lab File: VN079383.D

Acq: 30 Sep 2023 13:46

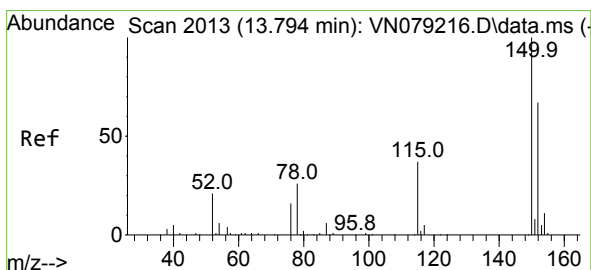
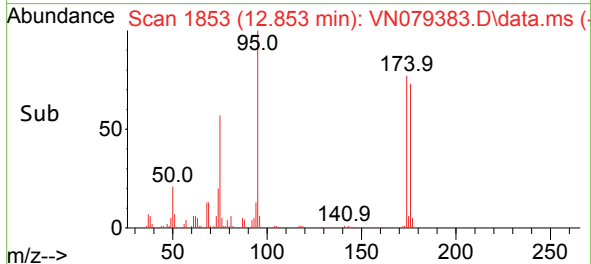
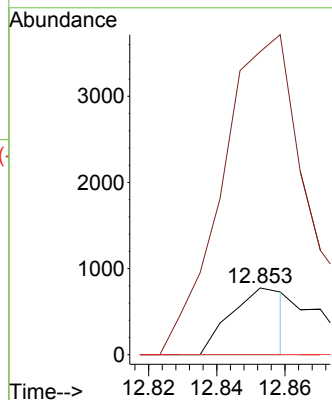
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	860
Ion Ratio	Lower	Upper	
173	100		
175	0.0	24.3	73.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

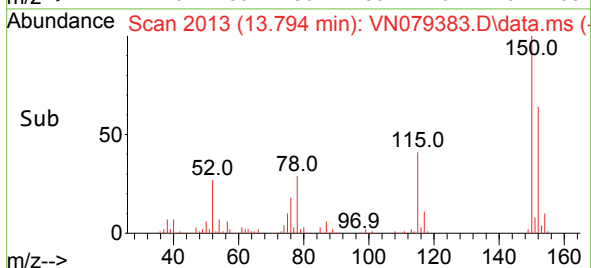
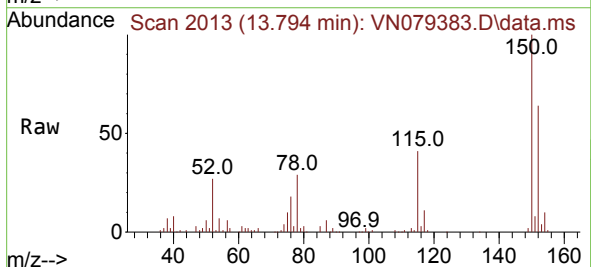
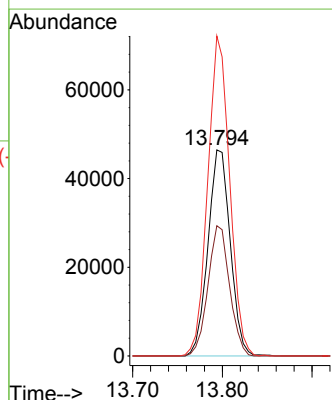
RT: 13.794 min Scan# 2013

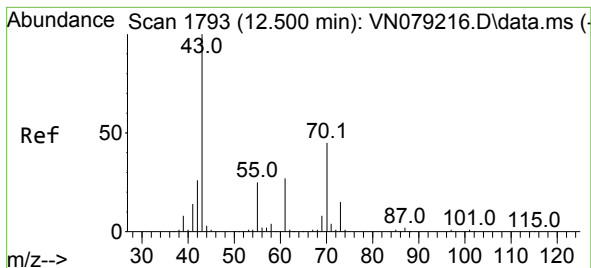
Delta R.T. -0.000 min

Lab File: VN079383.D

Acq: 30 Sep 2023 13:46

Tgt Ion:	152	Resp:	80108
Ion Ratio	Lower	Upper	
152	100		
115	61.3	32.3	96.8
150	152.4	0.0	355.8





#74

N-amy1 acetate

Concen: 0.483 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.018 min

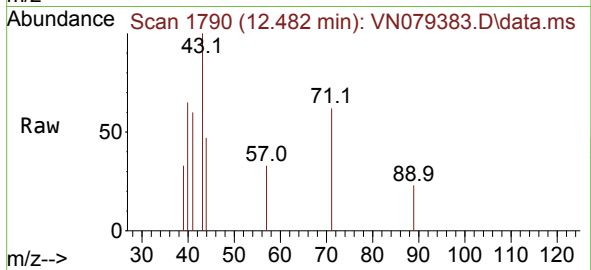
Lab File: VN079383.D

Acq: 30 Sep 2023 13:46

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1336

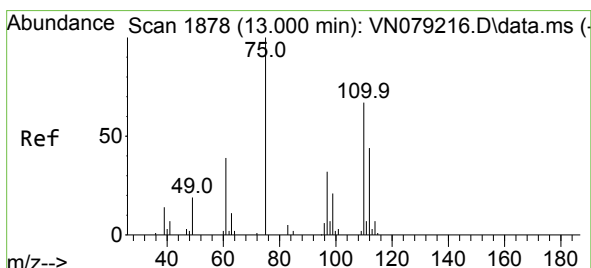
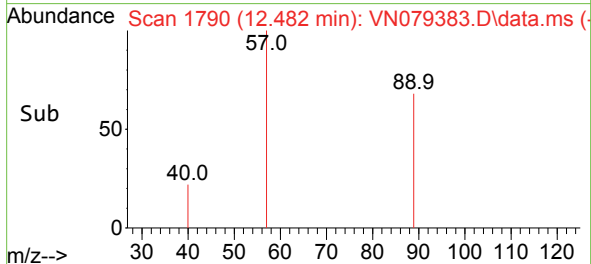
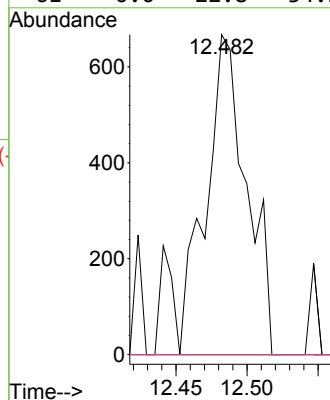
Ion Ratio Lower Upper

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: 28.518 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079383.D

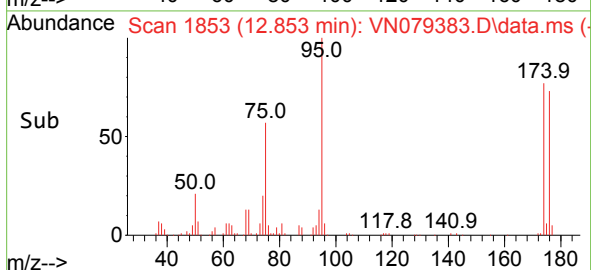
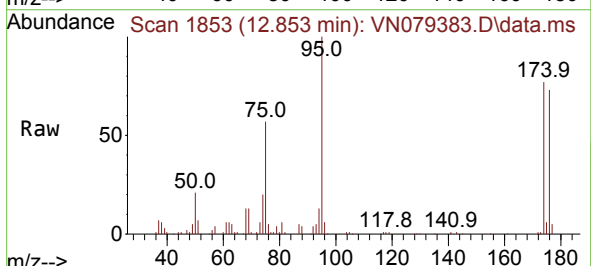
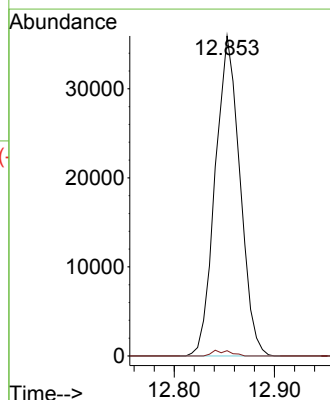
Acq: 30 Sep 2023 13:46

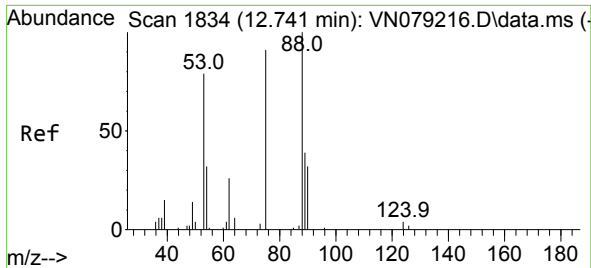
Tgt Ion: 75 Resp: 61570

Ion Ratio Lower Upper

75 100

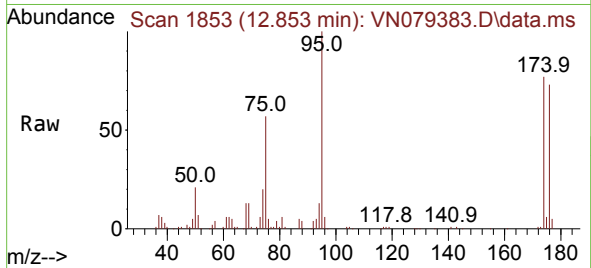
77 1.3 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.401 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079383.D
 Acq: 30 Sep 2023 13:46

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 61570
 Ion Ratio Lower Upper
 75 100
 53 0.2 67.4 101.2#
 89 0.0 38.8 58.2#

