

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093023\
 Data File : VN079389.D
 Acq On : 30 Sep 2023 16:10
 Operator : JC\MD
 Sample : PB155992ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 02 01:57:29 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)

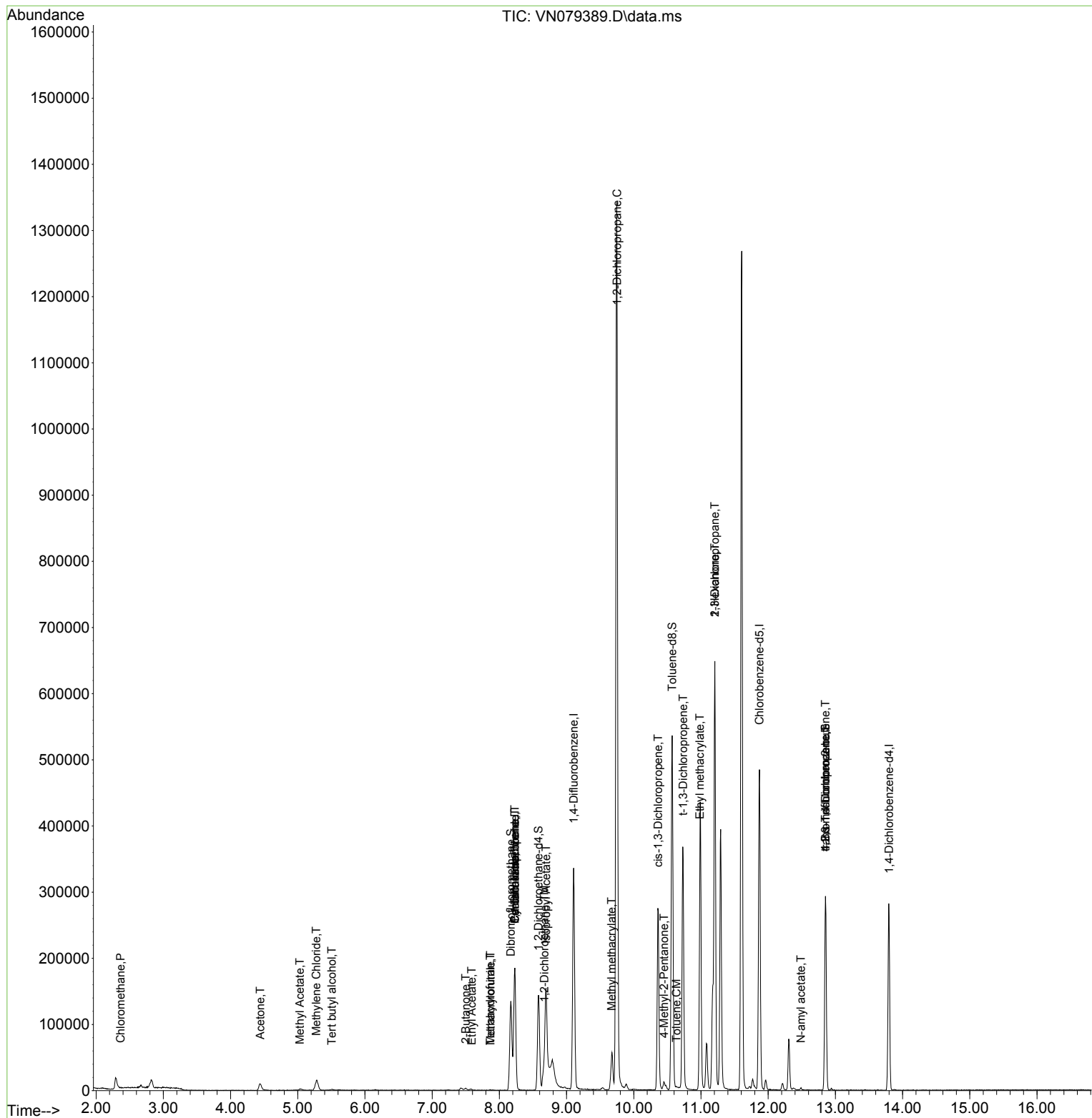
Internal Standards						
1) Pentafluorobenzene	8.229	168	127699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	274397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	273172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	72319	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	117744	68.304	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 136.600%#	
35) Dibromofluoromethane	8.171	113	95169	52.141	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.280%	
50) Toluene-d8	10.570	98	365921	54.599	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.200%	
62) 4-Bromofluorobenzene	12.853	95	102116	47.767	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.540%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	634	0.382	ug/l #	42
6) Chloroethane	3.059	64	536	Below Cal	#	43
11) Tert butyl alcohol	5.506	59	653	2.052	ug/l #	72
16) Acetone	4.441	43	19125	26.123	ug/l	96
18) Methyl Acetate	5.030	43	3823	1.271	ug/l #	73
20) Methylene Chloride	5.277	84	11639	6.533	ug/l #	82
25) 2-Butanone	7.500	43	5060	4.764	ug/l	96
29) Tetrahydrofuran	7.865	42	261	0.386	ug/l #	36
31) Cyclohexane	8.229	56	3918	1.557	ug/l #	47
36) 1,1-Dichloropropene	8.229	75	11348	4.034	ug/l #	40
37) Ethyl Acetate	7.588	43	3610	1.286	ug/l #	63
38) Carbon Tetrachloride	8.229	117	14095	4.841	ug/l #	17
41) Methacrylonitrile	7.871	41	441	0.312	ug/l #	15
42) 1,2-Dichloroethane	8.671	62	1051	0.354	ug/l #	73
43) Isopropyl Acetate	8.694	43	203128	44.363	ug/l #	72
45) 1,2-Dichloropropane	9.753	63	1595	0.746	ug/l #	45
48) Methyl methacrylate	9.671	41	3973	1.937	ug/l #	30
51) 4-Methyl-2-Pentanone	10.453	43	11804	4.441	ug/l #	69
52) Toluene	10.635	92	1531	0.289	ug/l	92
53) t-1,3-Dichloropropene	10.735	75	855	0.273	ug/l #	55
54) cis-1,3-Dichloropropene	10.365	75	46215	13.789	ug/l #	74
56) Ethyl methacrylate	10.982	69	2242	0.765	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6767	1.885	ug/l #	42
59) 2-Hexanone	11.206	43	78379	40.714	ug/l #	50
74) N-amyl acetate	12.488	43	2052	0.822	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	55830	28.644	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	55830	78.749	ug/l #	15

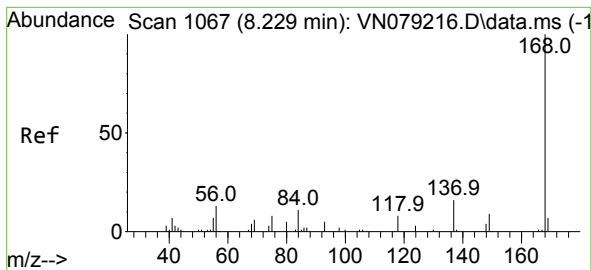
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093023\
Data File : VN079389.D
Acq On : 30 Sep 2023 16:10
Operator : JC\MD
Sample : PB155992ZHE#09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 02 01:57:29 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: 8.229 min Scan# 1067

Delta R.T. -0.001 min

Lab File: VN079389.D

Acq: 30 Sep 2023 16:10

Instrument :

MSVOA_N

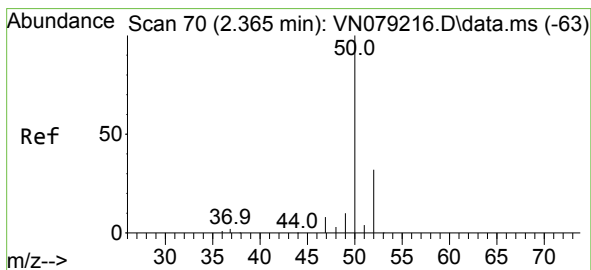
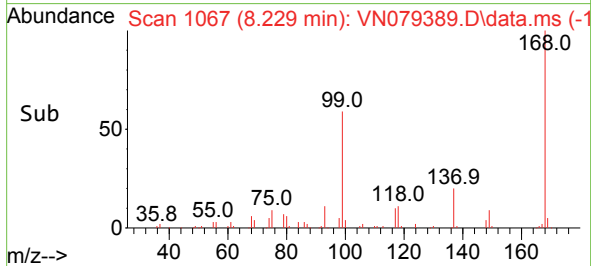
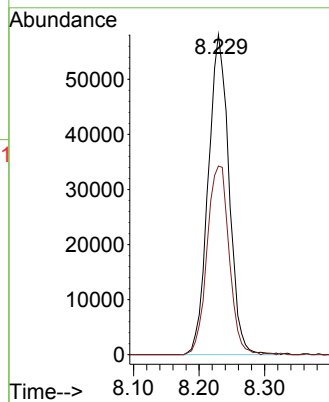
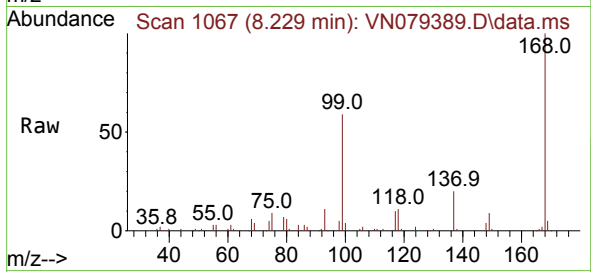
ClientSampleId :

Tgt Ion:168 Resp: 127699

Ion Ratio Lower Upper

168 100

99 58.9 53.0 79.6



#3

Chloromethane

Concen: 0.382 ug/l

RT: 2.365 min Scan# 70

Delta R.T. -0.006 min

Lab File: VN079389.D

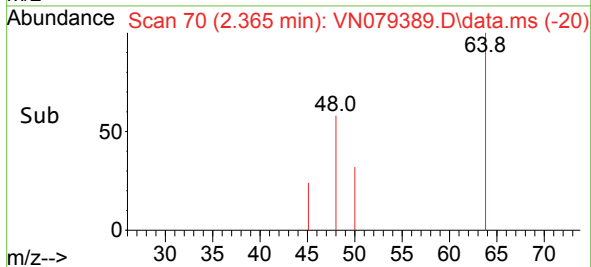
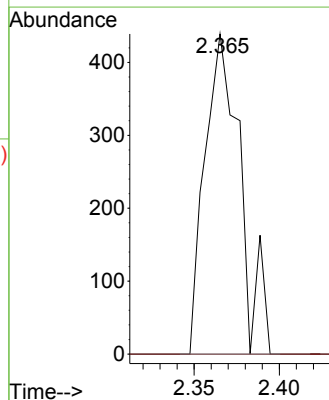
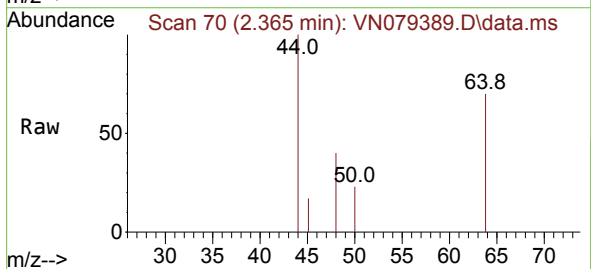
Acq: 30 Sep 2023 16:10

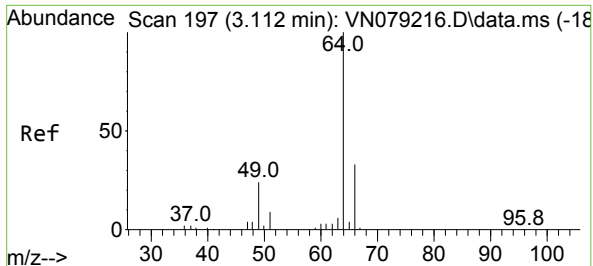
Tgt Ion: 50 Resp: 634

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

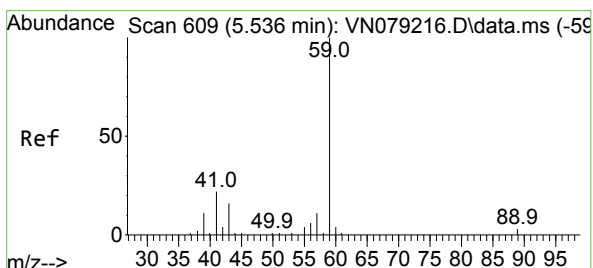
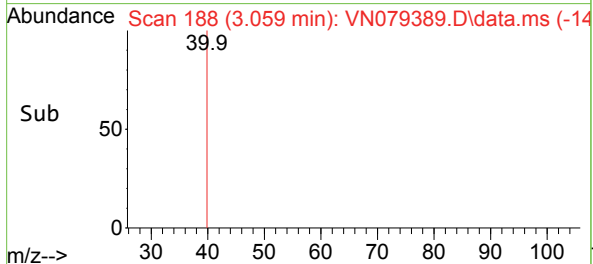
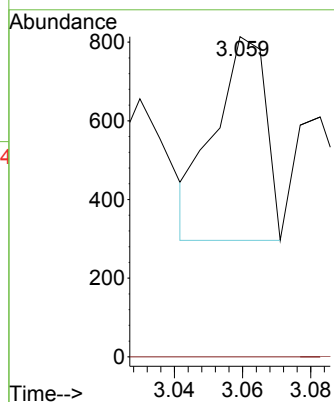
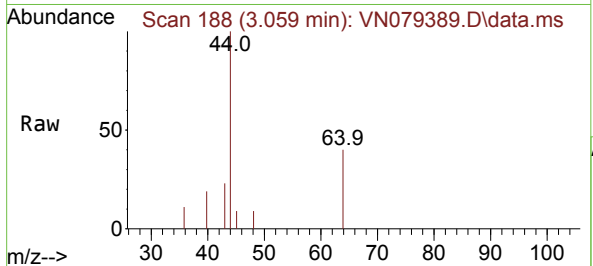




#6
Chloroethane
Concen: Below Cal
RT: 3.059 min Scan# 11
Delta R.T. -0.059 min
Lab File: VN079389.D
Acq: 30 Sep 2023 16:10

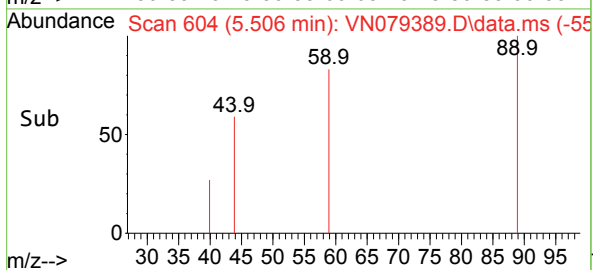
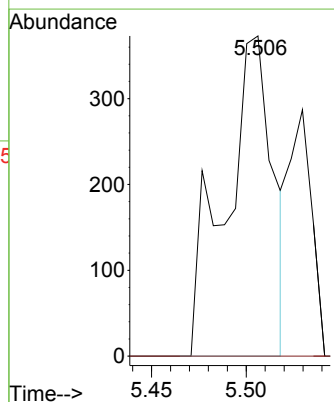
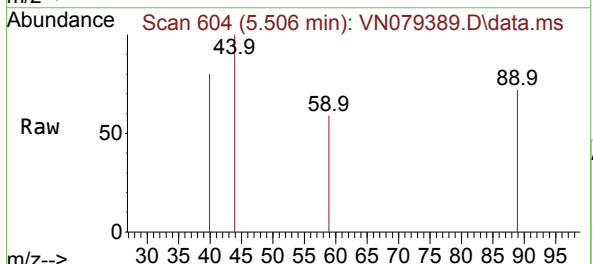
Instrument :
MSVOA_N
ClientSampleId :

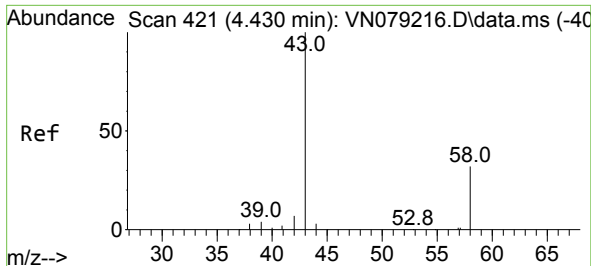
Tgt Ion: 64 Resp: 536
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 2.052 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.036 min
Lab File: VN079389.D
Acq: 30 Sep 2023 16:10

Tgt Ion: 59 Resp: 653
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

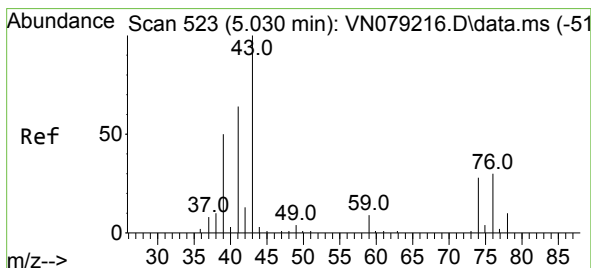
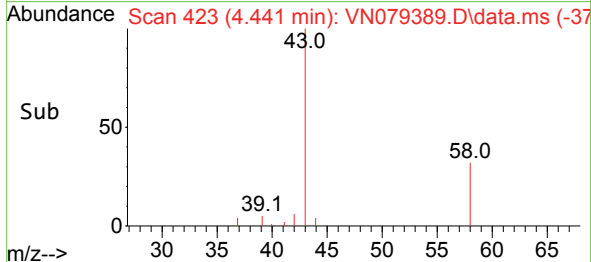
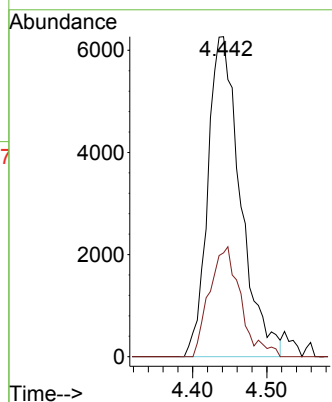
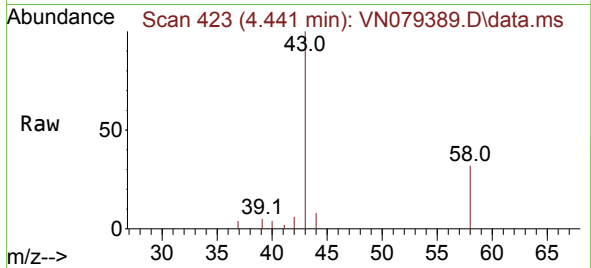




#16
Acetone
Concen: 26.123 ug/l
RT: 4.441 min Scan# 41
Delta R.T. -0.001 min
Lab File: VN079389.D
Acq: 30 Sep 2023 16:10

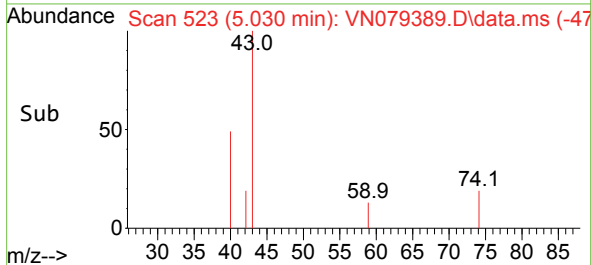
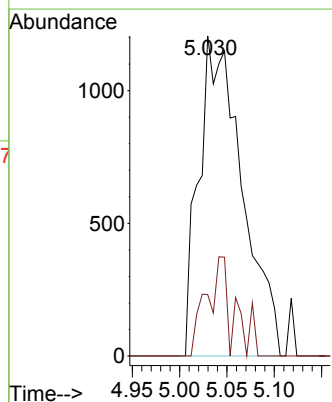
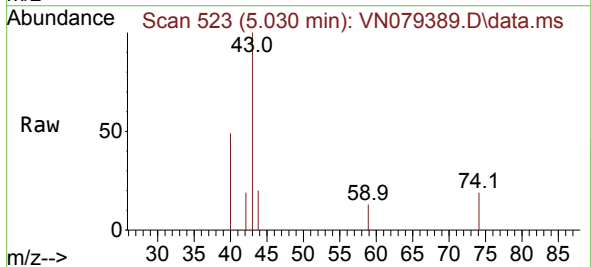
Instrument :
MSVOA_N
ClientSampleId :

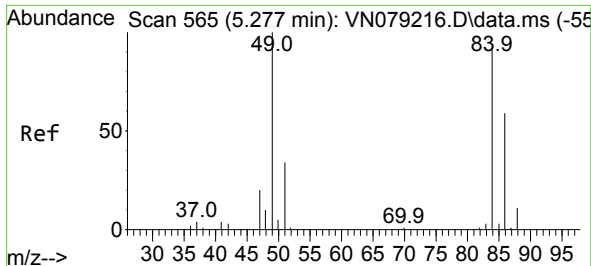
Tgt Ion: 43 Resp: 19125
Ion Ratio Lower Upper
43 100
58 32.5 28.0 42.0



#18
Methyl Acetate
Concen: 1.271 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.012 min
Lab File: VN079389.D
Acq: 30 Sep 2023 16:10

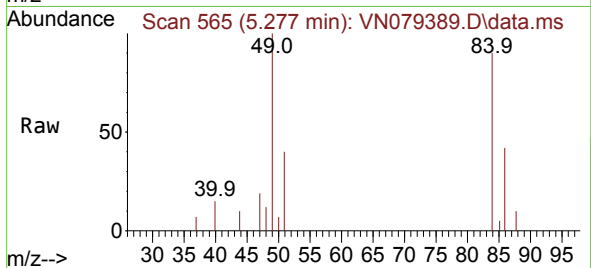
Tgt Ion: 43 Resp: 3823
Ion Ratio Lower Upper
43 100
74 17.6 26.2 39.4#



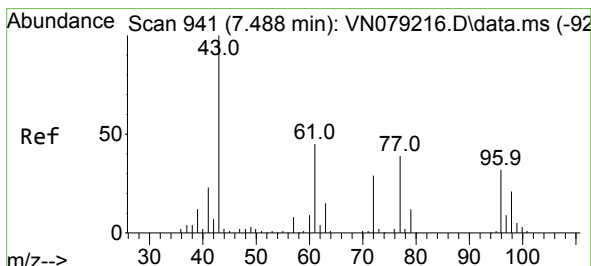
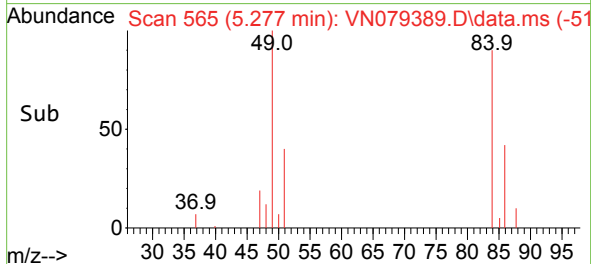
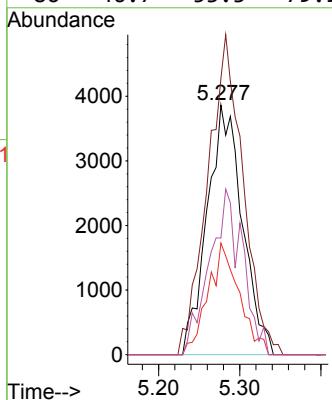


#20
Methylene Chloride
Concen: 6.533 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN079389.D
Acq: 30 Sep 2023 16:10

Instrument :
MSVOA_N
ClientSampleId :

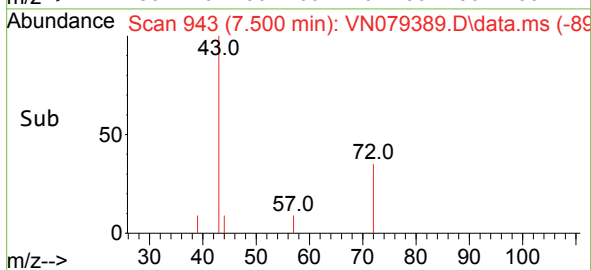
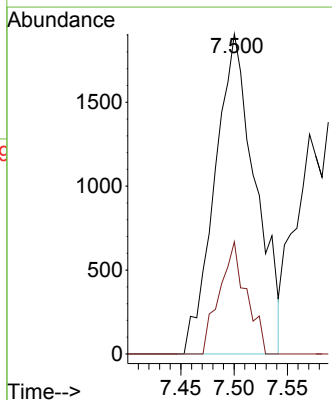
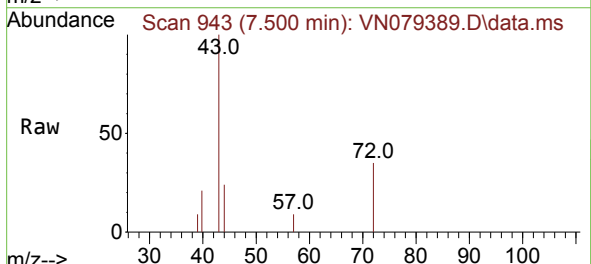


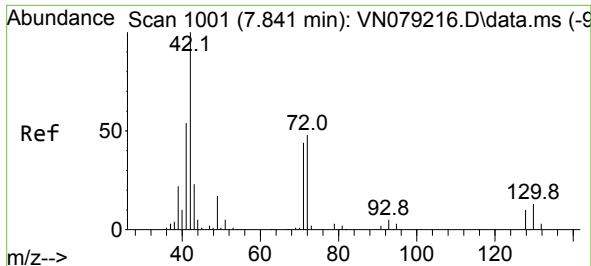
Tgt Ion: 84 Resp: 11639
Ion Ratio Lower Upper
84 100
49 110.7 79.7 119.5
51 44.7 25.2 37.8#
86 46.7 53.3 79.9#



#25
2-Butanone
Concen: 4.764 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN079389.D
Acq: 30 Sep 2023 16:10

Tgt Ion: 43 Resp: 5060
Ion Ratio Lower Upper
43 100
72 35.1 30.2 45.2





#29

Tetrahydrofuran

Concen: 0.386 ug/l

RT: 7.865 min Scan# 1067

Delta R.T. 0.018 min

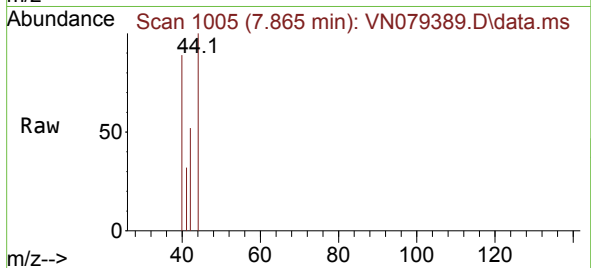
Lab File: VN079389.D

Acq: 30 Sep 2023 16:10

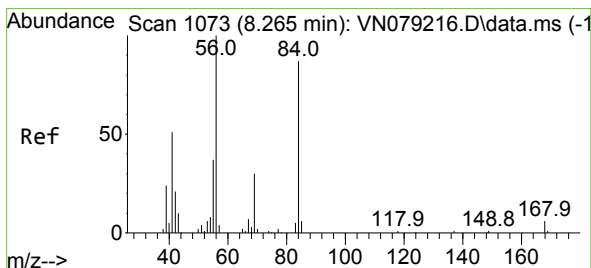
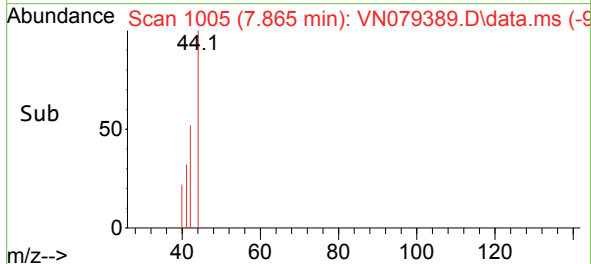
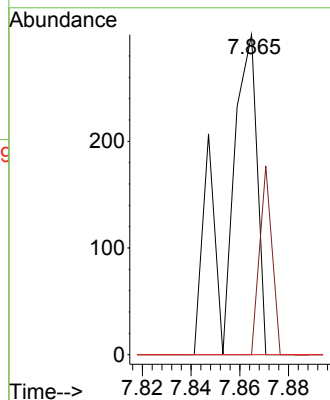
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	261
Ion	Ratio	Lower	Upper
42	100		
72	23.8	49.8	74.6#
71	0.0	47.4	71.2#



#31

Cyclohexane

Concen: 1.557 ug/l

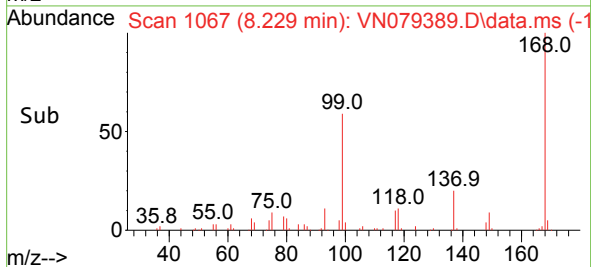
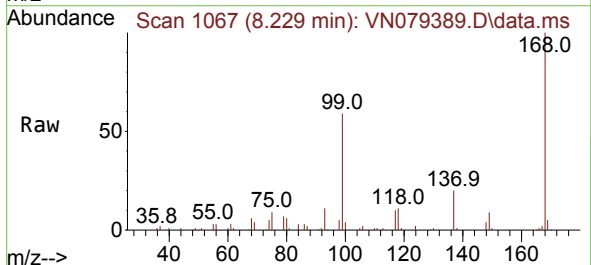
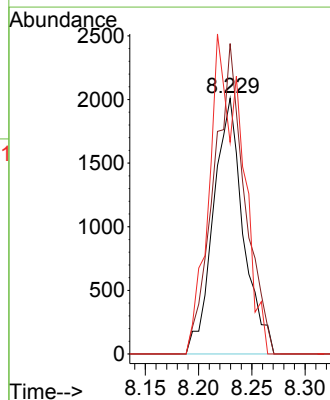
RT: 8.229 min Scan# 1067

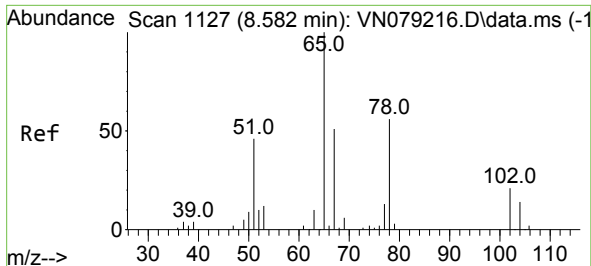
Delta R.T. -0.036 min

Lab File: VN079389.D

Acq: 30 Sep 2023 16:10

Tgt Ion:	56	Resp:	3918
Ion	Ratio	Lower	Upper
56	100		
69	121.4	26.8	40.2#
84	82.8	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 68.304 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN079389.D

Acq: 30 Sep 2023 16:10

Instrument :

MSVOA_N

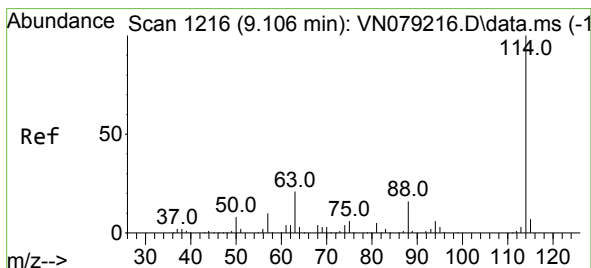
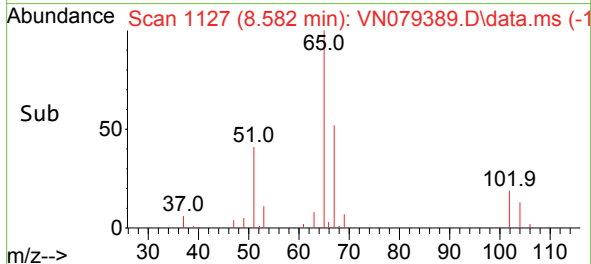
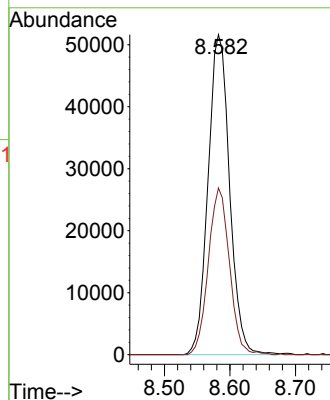
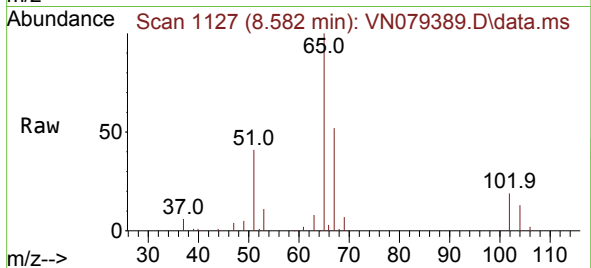
ClientSampleId :

Tgt Ion: 65 Resp: 117744

Ion Ratio Lower Upper

65 100

67 51.1 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: VN079389.D

Acq: 30 Sep 2023 16:10

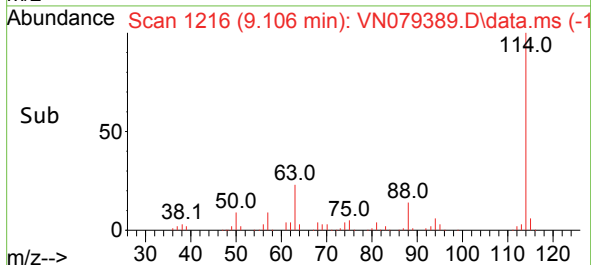
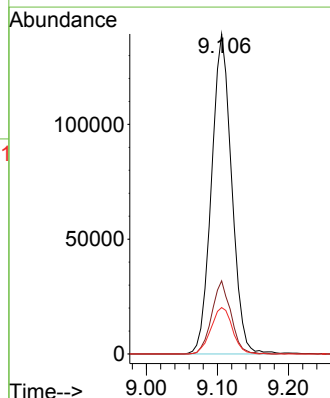
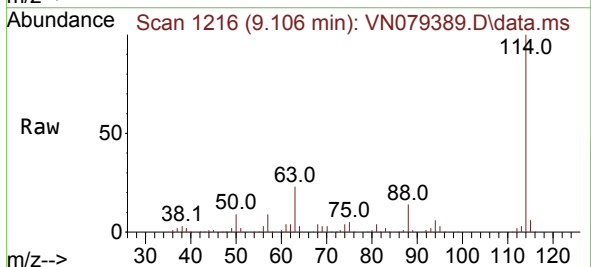
Tgt Ion: 114 Resp: 274397

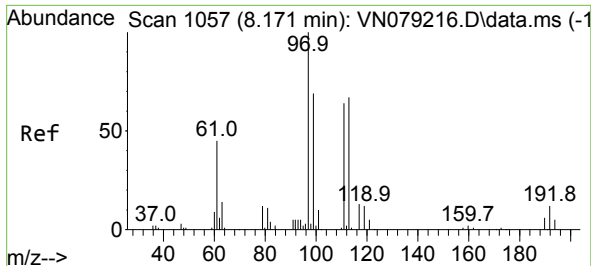
Ion Ratio Lower Upper

114 100

63 22.9 0.0 36.4

88 14.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.141 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

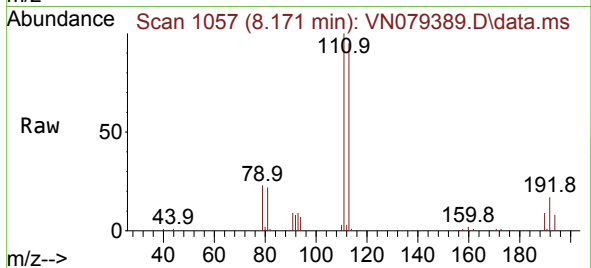
Lab File: VN079389.D

Acq: 30 Sep 2023 16:10

Instrument :

MSVOA_N

ClientSampleId :



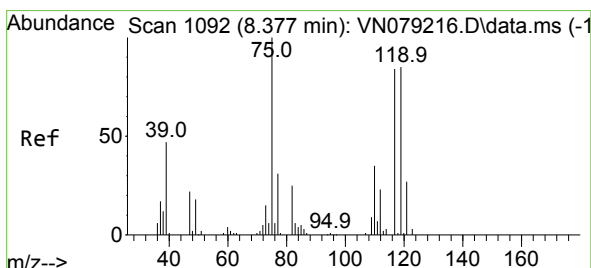
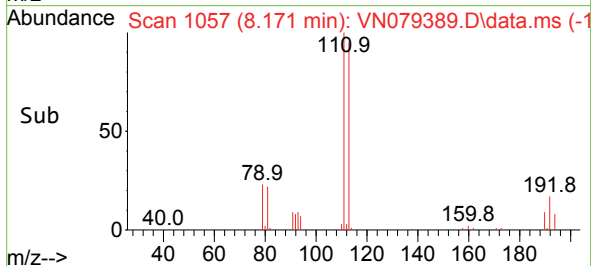
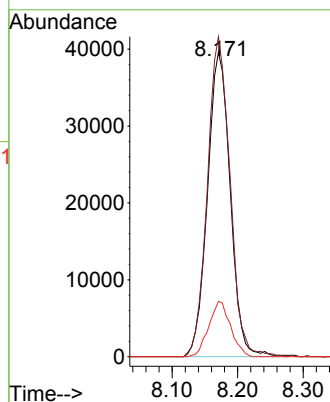
Tgt Ion:113 Resp: 95169

Ion Ratio Lower Upper

113 100

111 104.8 82.6 123.8

192 17.5 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.034 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.148 min

Lab File: VN079389.D

Acq: 30 Sep 2023 16:10

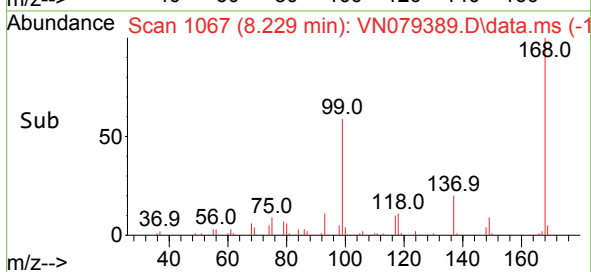
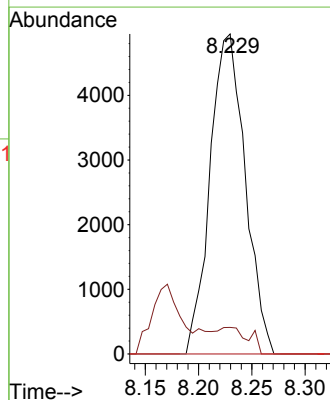
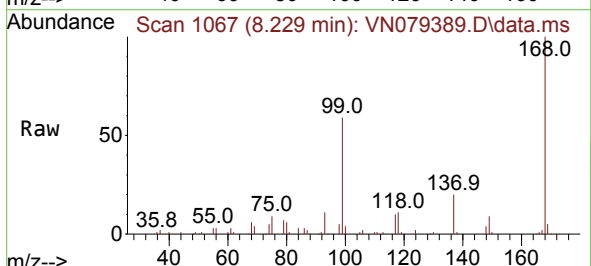
Tgt Ion: 75 Resp: 11348

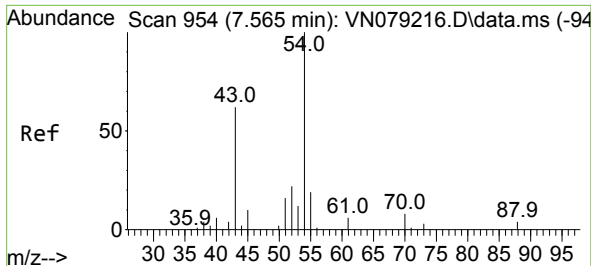
Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.3#

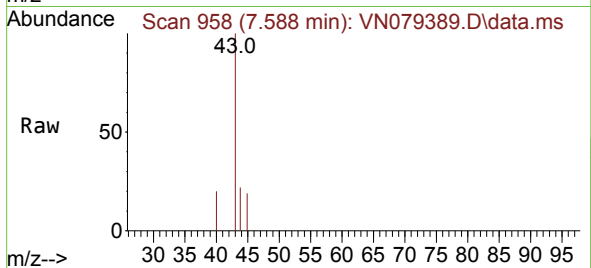
77 0.0 25.0 37.4#



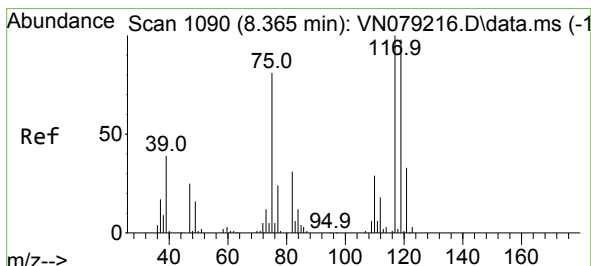
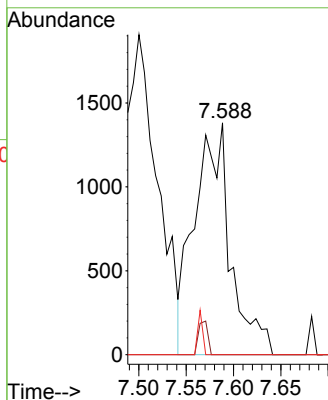
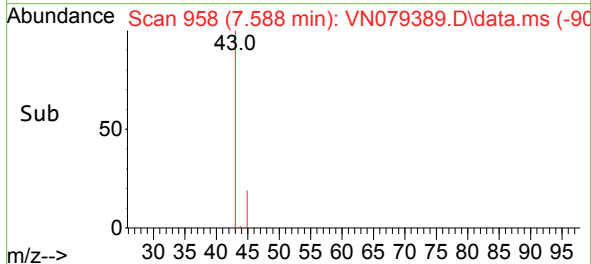


#37
Ethyl Acetate
Concen: 1.286 ug/l
RT: 7.588 min Scan# 91
Delta R.T. 0.017 min
Lab File: VN079389.D
Acq: 30 Sep 2023 16:10

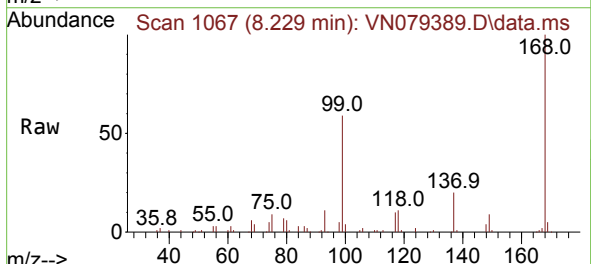
Instrument :
MSVOA_N
ClientSampleId :



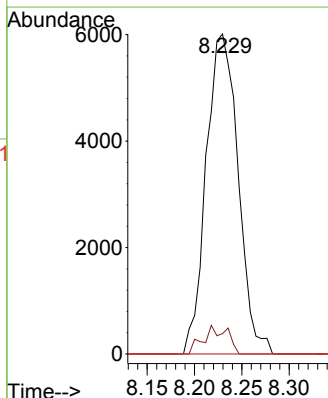
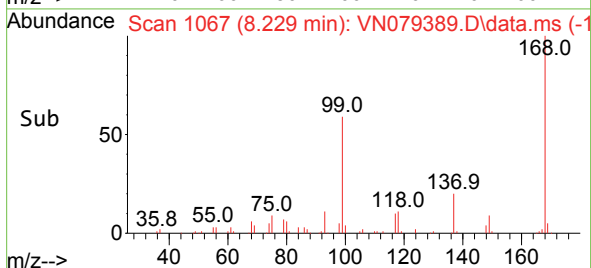
Tgt Ion: 43 Resp: 3610
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8#
70 0.0 11.3 16.9#

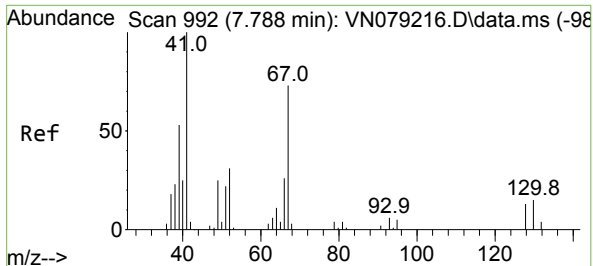


#38
Carbon Tetrachloride
Concen: 4.841 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.142 min
Lab File: VN079389.D
Acq: 30 Sep 2023 16:10



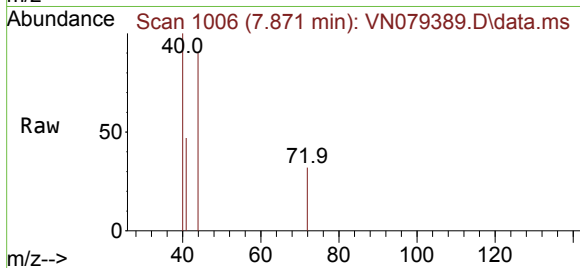
Tgt Ion: 117 Resp: 14095
Ion Ratio Lower Upper
117 100
119 6.4 77.3 115.9#
121 0.0 23.3 34.9#



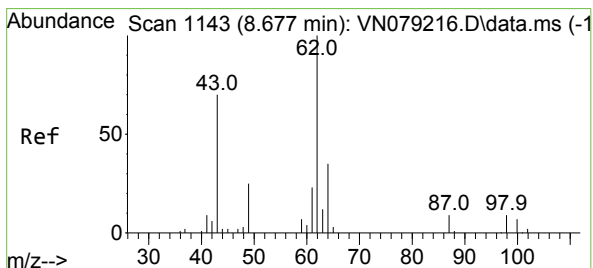
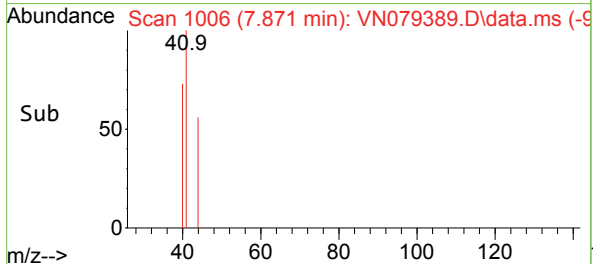
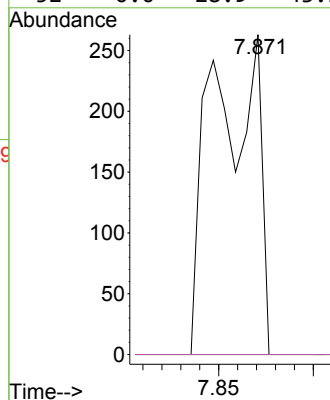


#41
Methacrylonitrile
Concen: 0.312 ug/l
RT: 7.871 min Scan# 1006
Delta R.T. 0.077 min
Lab File: VN079389.D
Acq: 30 Sep 2023 16:10

Instrument :
MSVOA_N
ClientSampleId :

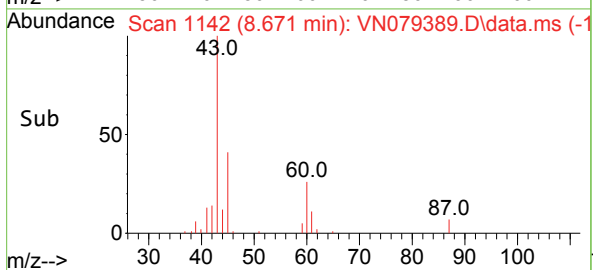
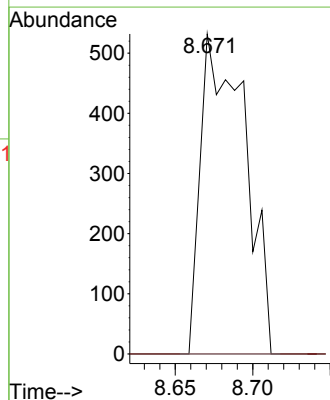
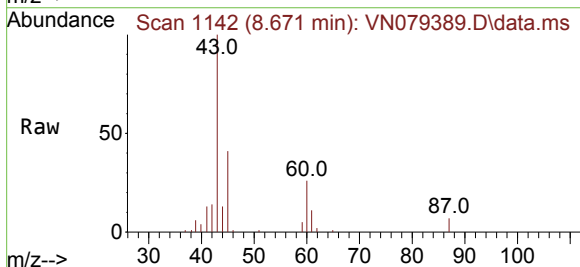


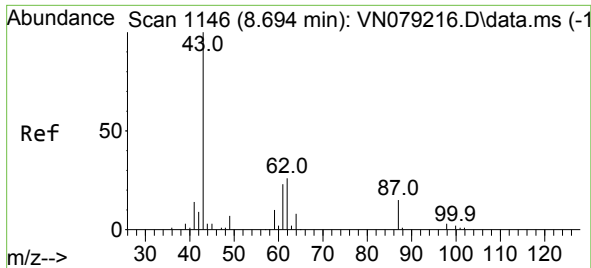
Tgt Ion: 41 Resp: 441
Ion Ratio Lower Upper
41 100
39 0.0 42.6 64.0#
67 0.0 77.5 116.3#
52 0.0 28.9 43.3#



#42
1,2-Dichloroethane
Concen: 0.354 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VN079389.D
Acq: 30 Sep 2023 16:10

Tgt Ion: 62 Resp: 1051
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

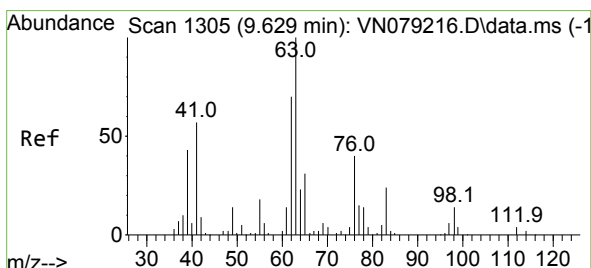
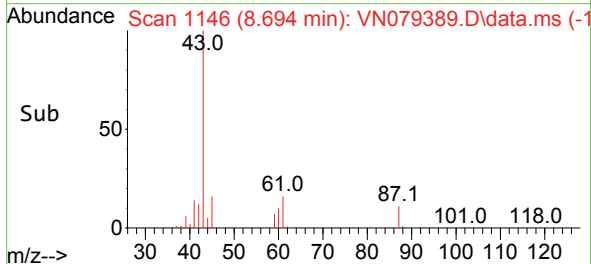
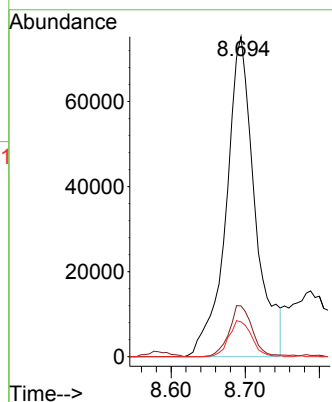
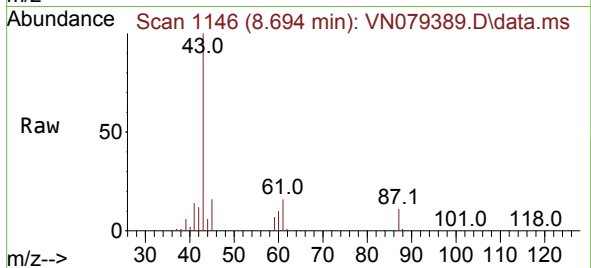




#43
Isopropyl Acetate
Concen: 44.363 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079389.D
Acq: 30 Sep 2023 16:10

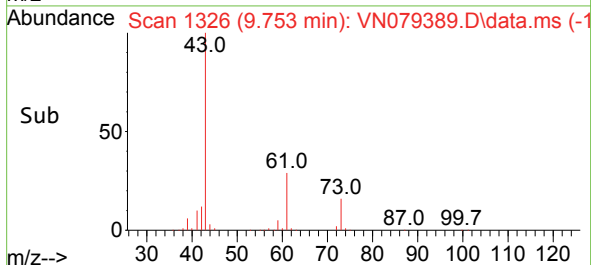
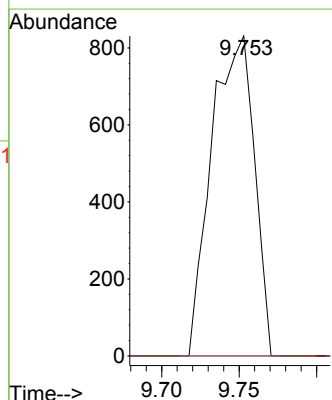
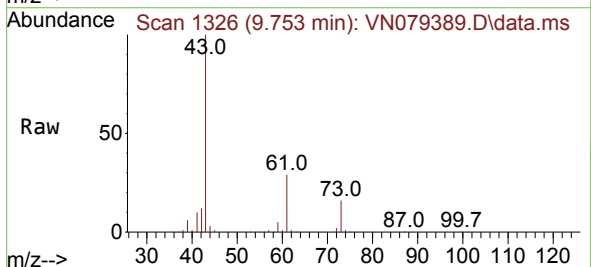
Instrument :
MSVOA_N
ClientSampleId :

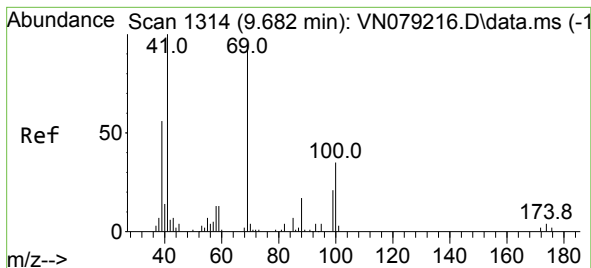
Tgt Ion: 43 Resp: 203128
Ion Ratio Lower Upper
43 100
61 13.0 24.7 37.1#
87 8.9 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.746 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.129 min
Lab File: VN079389.D
Acq: 30 Sep 2023 16:10

Tgt Ion: 63 Resp: 1595
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#





#48

Methyl methacrylate

Concen: 1.937 ug/l

RT: 9.671 min Scan# 1

Delta R.T. -0.017 min

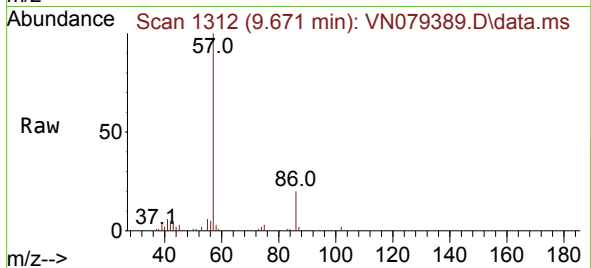
Lab File: VN079389.D

Acq: 30 Sep 2023 16:10

Instrument :

MSVOA_N

ClientSampleId :



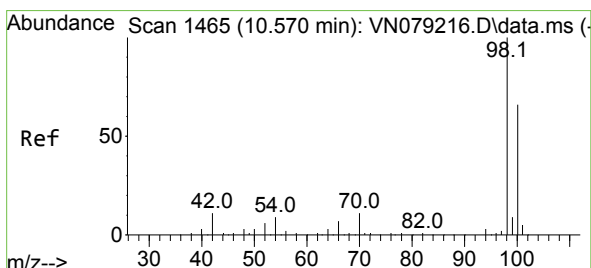
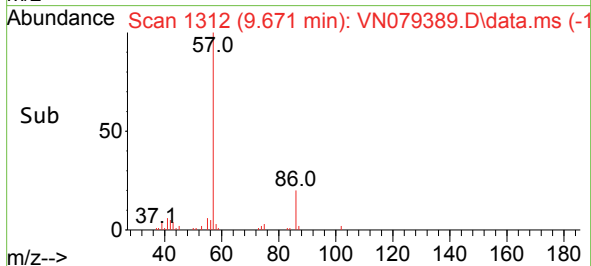
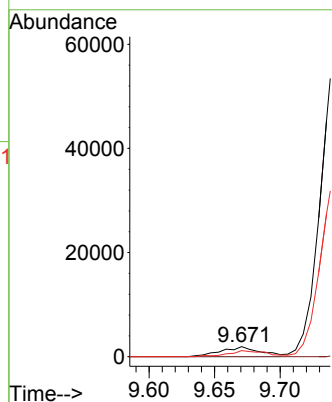
Tgt Ion: 41 Resp: 3973

Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 60.0 54.6 81.8



#50

Toluene-d8

Concen: 54.599 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.001 min

Lab File: VN079389.D

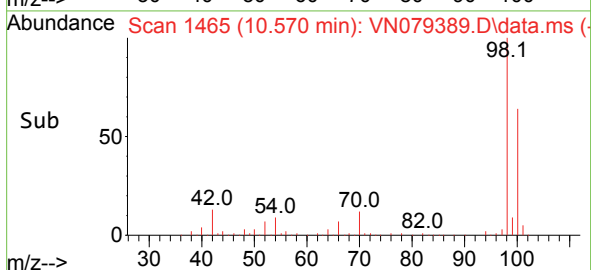
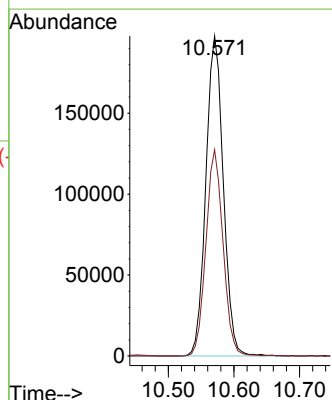
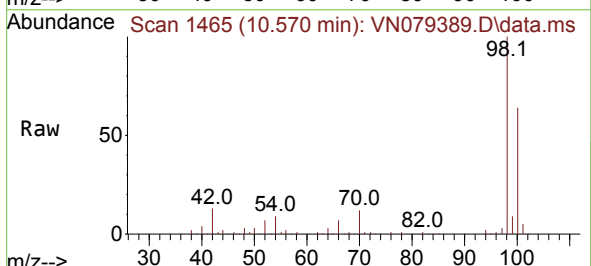
Acq: 30 Sep 2023 16:10

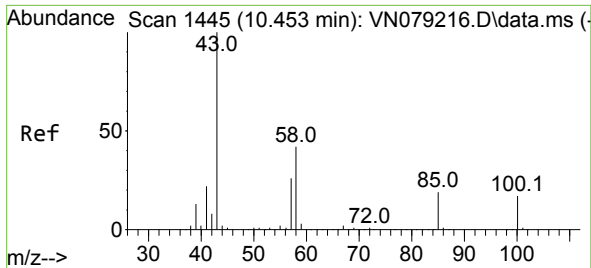
Tgt Ion: 98 Resp: 365921

Ion Ratio Lower Upper

98 100

100 63.3 52.0 78.0

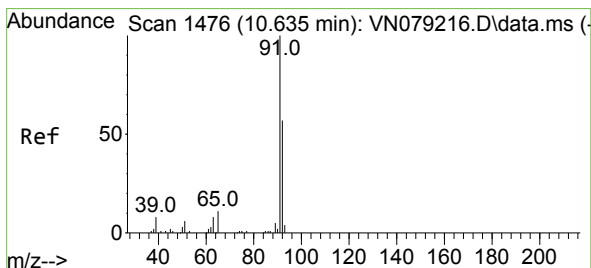
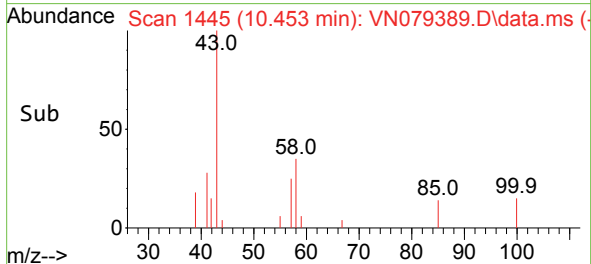
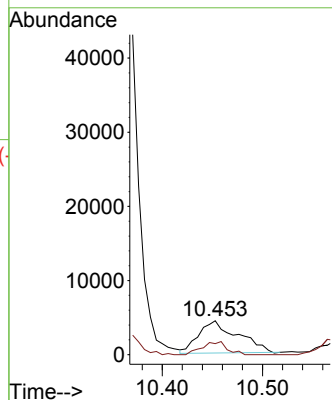
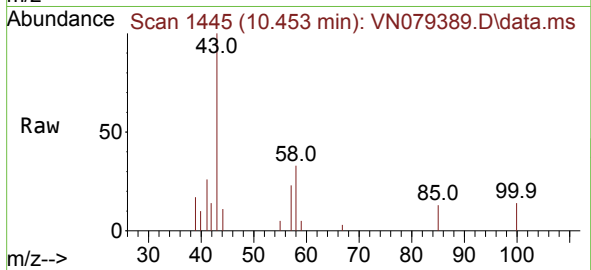




#51
4-Methyl-2-Pentanone
Concen: 4.441 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN079389.D
Acq: 30 Sep 2023 16:10

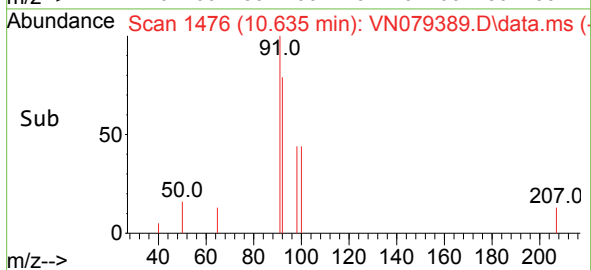
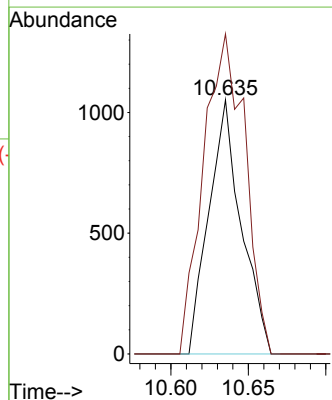
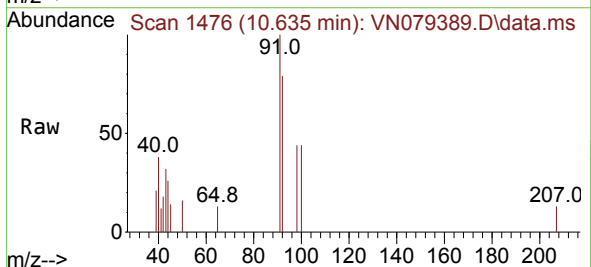
Instrument :
MSVOA_N
ClientSampleId :

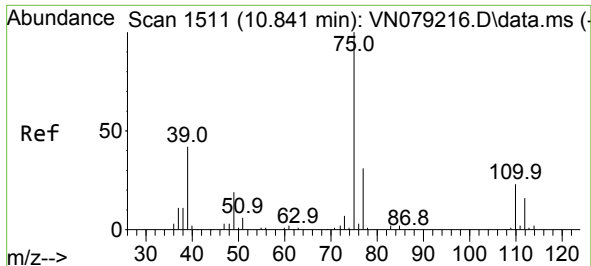
Tgt Ion: 43 Resp: 11804
Ion Ratio Lower Upper
43 100
58 25.5 36.6 54.8#



#52
Toluene
Concen: 0.289 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079389.D
Acq: 30 Sep 2023 16:10

Tgt Ion: 92 Resp: 1531
Ion Ratio Lower Upper
92 100
91 161.1 137.4 206.0

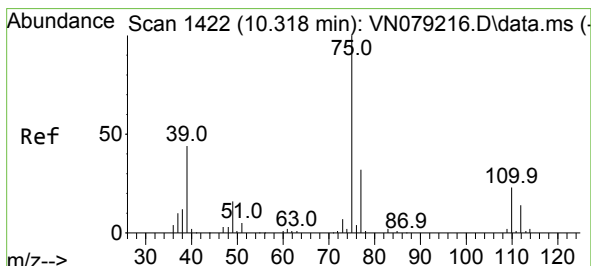
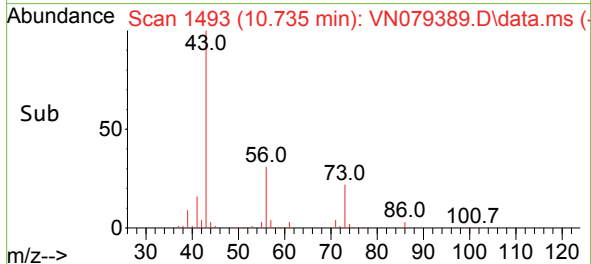
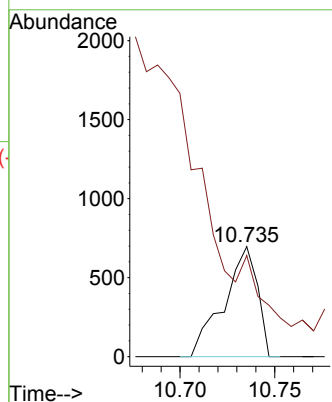
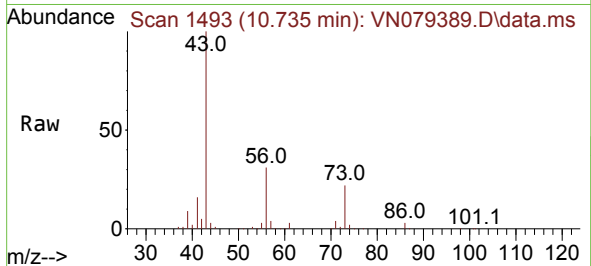




#53
 t-1,3-Dichloropropene
 Concen: 0.273 ug/l
 RT: 10.735 min Scan# 1493
 Delta R.T. -0.106 min
 Lab File: VN079389.D
 Acq: 30 Sep 2023 16:10

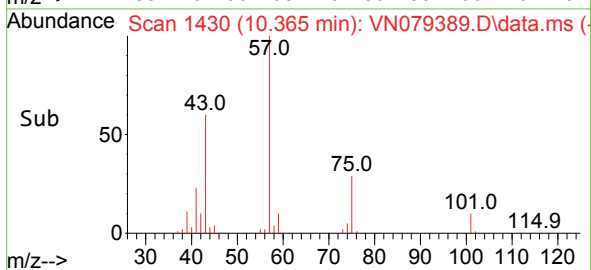
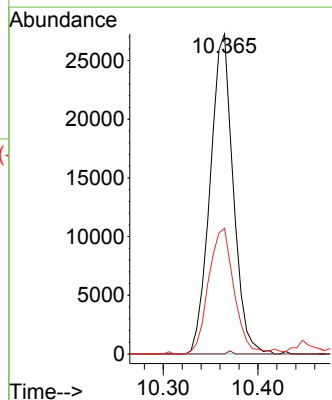
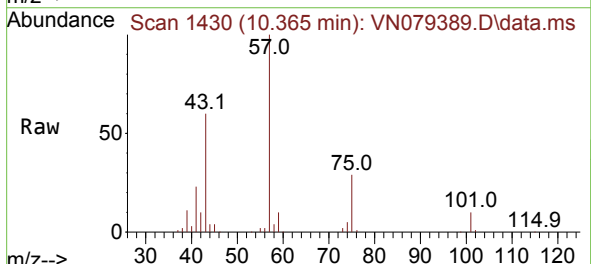
Instrument :
 MSVOA_N
 ClientSampleId :

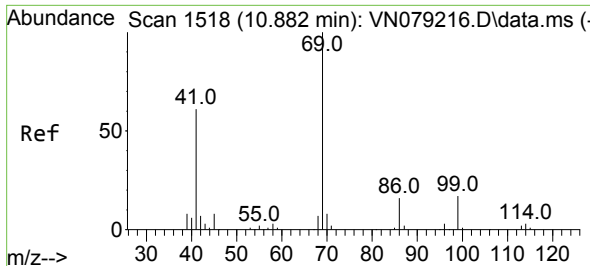
Tgt Ion: 75 Resp: 855
 Ion Ratio Lower Upper
 75 100
 77 56.6 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 13.789 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN079389.D
 Acq: 30 Sep 2023 16:10

Tgt Ion: 75 Resp: 46215
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 39.3 31.6 47.4

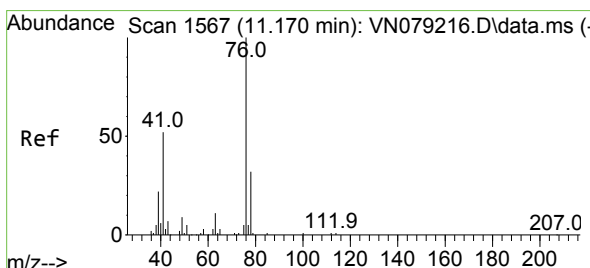
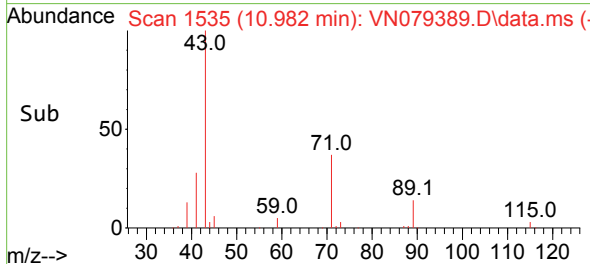
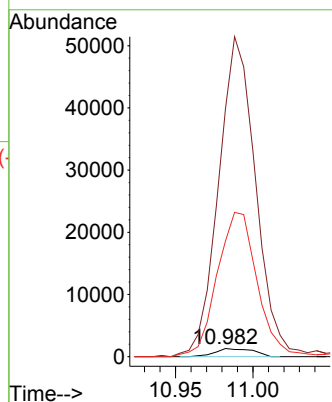
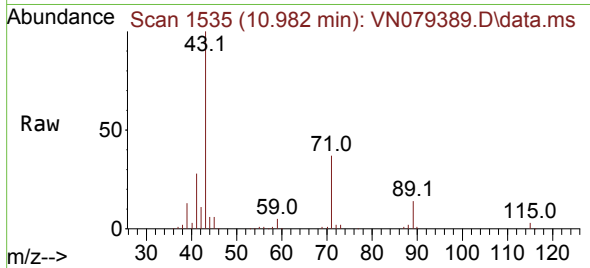




#56
Ethyl methacrylate
Concen: 0.765 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN079389.D
Acq: 30 Sep 2023 16:10

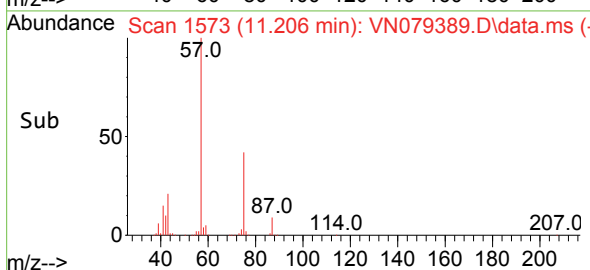
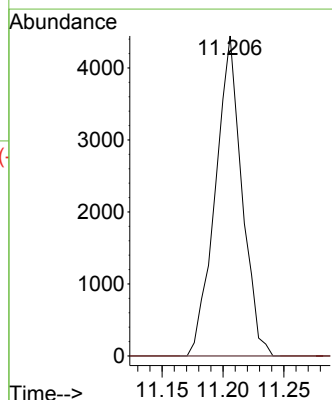
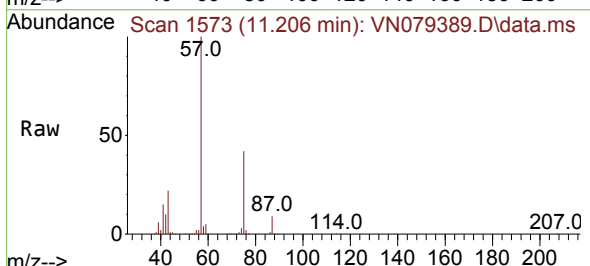
Instrument :
MSVOA_N
ClientSampleId :

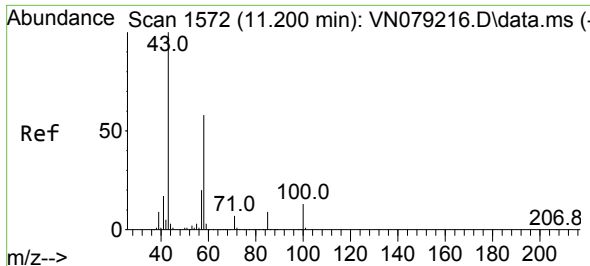
Tgt Ion: 69 Resp: 2242
Ion Ratio Lower Upper
69 100
41 3847.0 39.6 59.4#
39 1857.3 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.885 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079389.D
Acq: 30 Sep 2023 16:10

Tgt Ion: 76 Resp: 6767
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

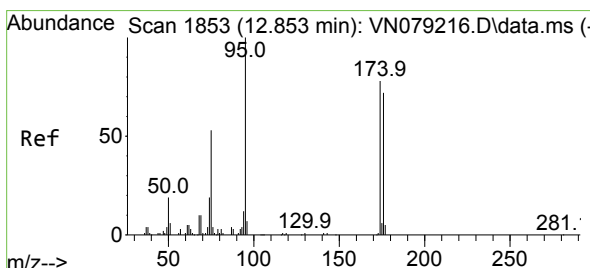
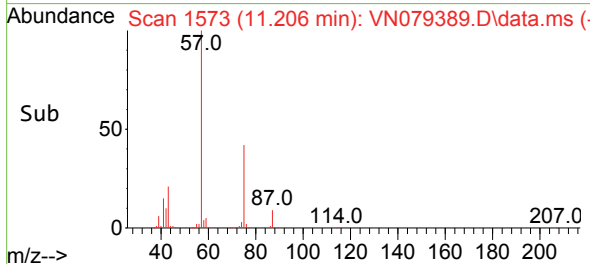
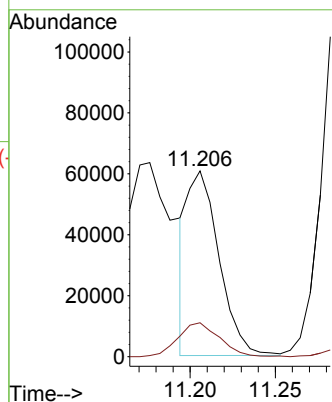
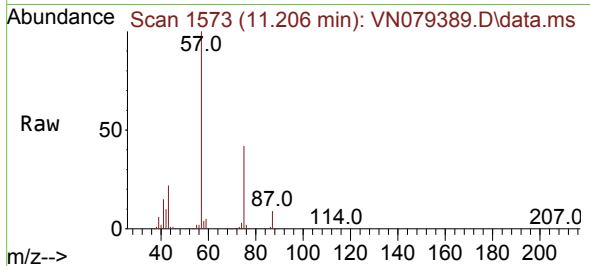




#59
2-Hexanone
Concen: 40.714 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079389.D
Acq: 30 Sep 2023 16:10

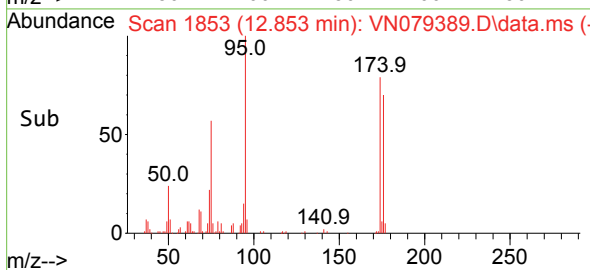
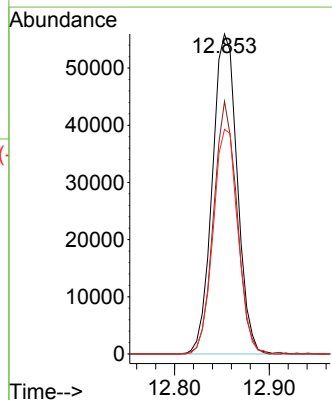
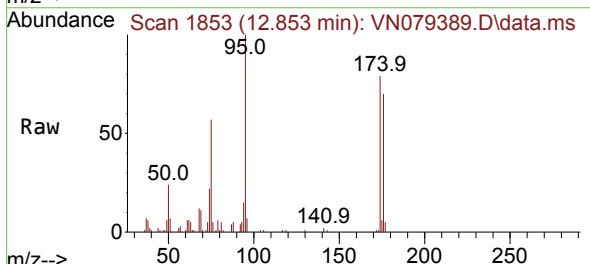
Instrument :
MSVOA_N
ClientSampleId :

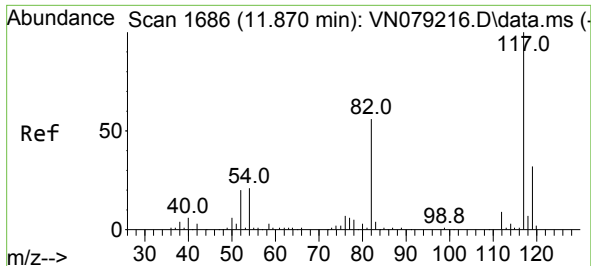
Tgt Ion: 43 Resp: 78379
Ion Ratio Lower Upper
43 100
58 24.2 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 47.767 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079389.D
Acq: 30 Sep 2023 16:10

Tgt Ion: 95 Resp: 102116
Ion Ratio Lower Upper
95 100
174 74.1 0.0 143.8
176 70.0 0.0 135.8

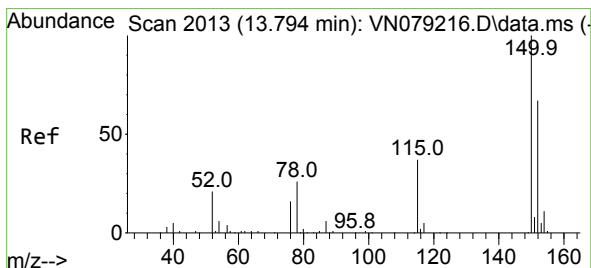
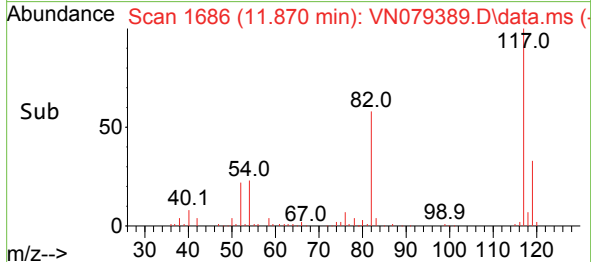
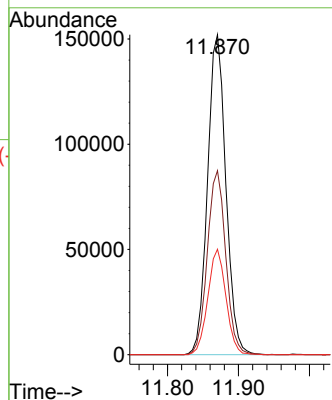
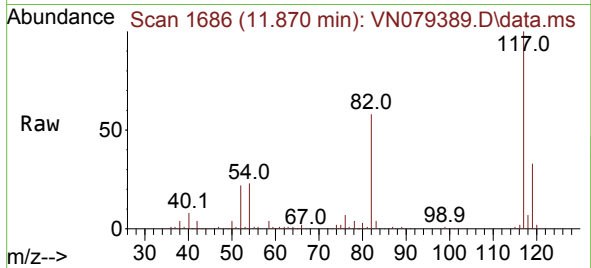




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN079389.D
Acq: 30 Sep 2023 16:10

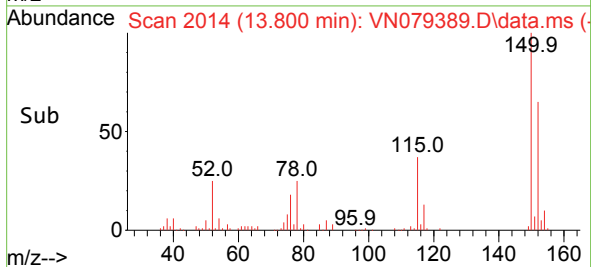
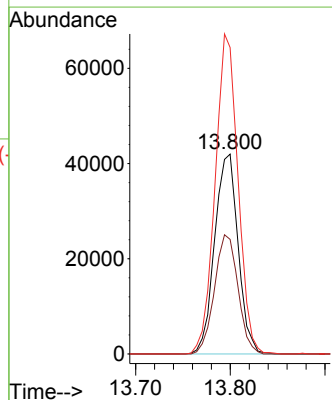
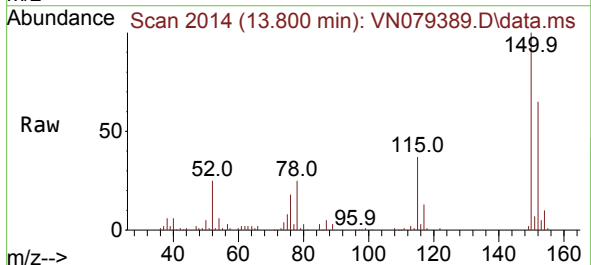
Instrument :
MSVOA_N
ClientSampleId :

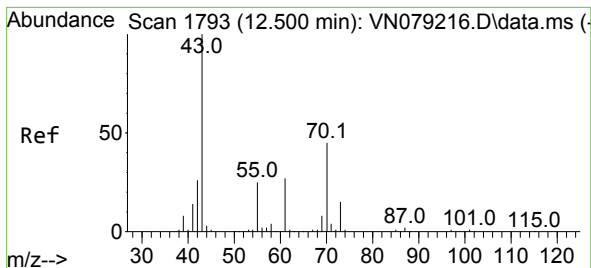
Tgt Ion:117 Resp: 273172
Ion Ratio Lower Upper
117 100
82 57.5 44.0 66.0
119 33.0 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.006 min
Lab File: VN079389.D
Acq: 30 Sep 2023 16:10

Tgt Ion:152 Resp: 72319
Ion Ratio Lower Upper
152 100
115 59.7 32.3 96.8
150 155.8 0.0 355.8





#74

N-amy1 acetate

Concen: 0.822 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.012 min

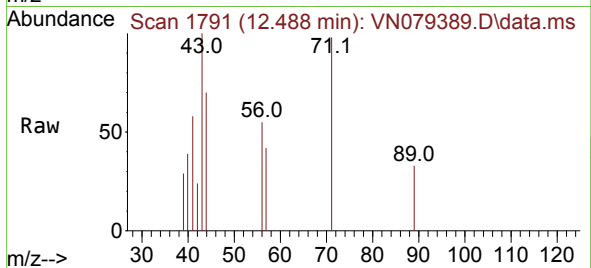
Lab File: VN079389.D

Acq: 30 Sep 2023 16:10

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 2052

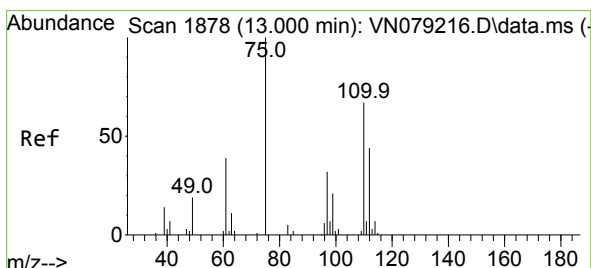
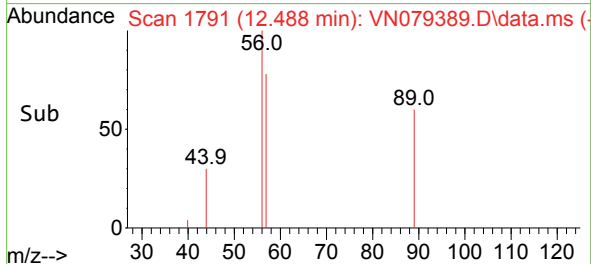
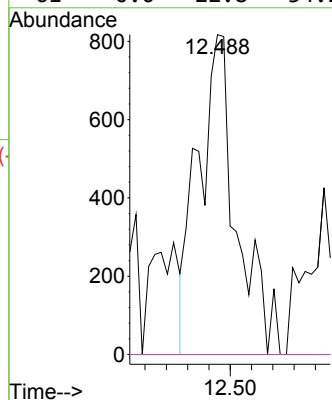
Ion Ratio Lower Upper

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: 28.644 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079389.D

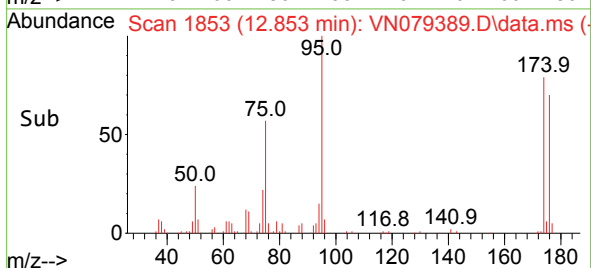
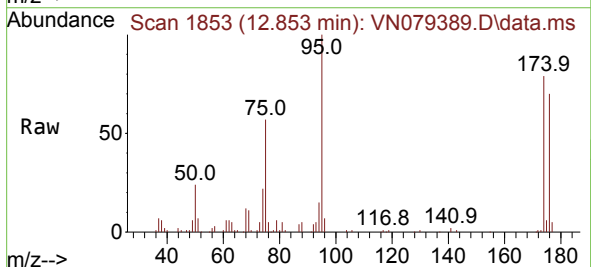
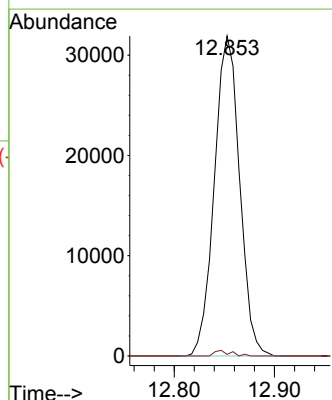
Acq: 30 Sep 2023 16:10

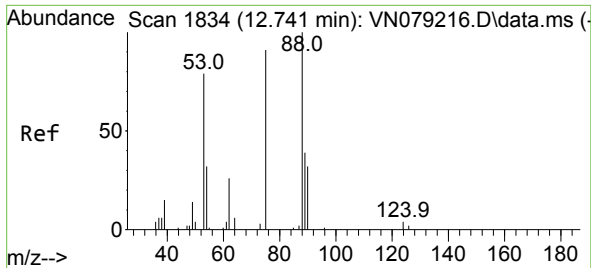
Tgt Ion: 75 Resp: 55830

Ion Ratio Lower Upper

75 100

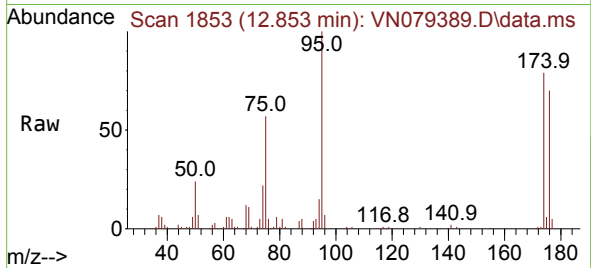
77 1.1 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.749 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079389.D
 Acq: 30 Sep 2023 16:10

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 55830
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.1 38.8 58.2#

