

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093023\
 Data File : VN079395.D
 Acq On : 30 Sep 2023 18:34
 Operator : JC\MD
 Sample : PB155992ZHE#15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 02 02:00:25 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)

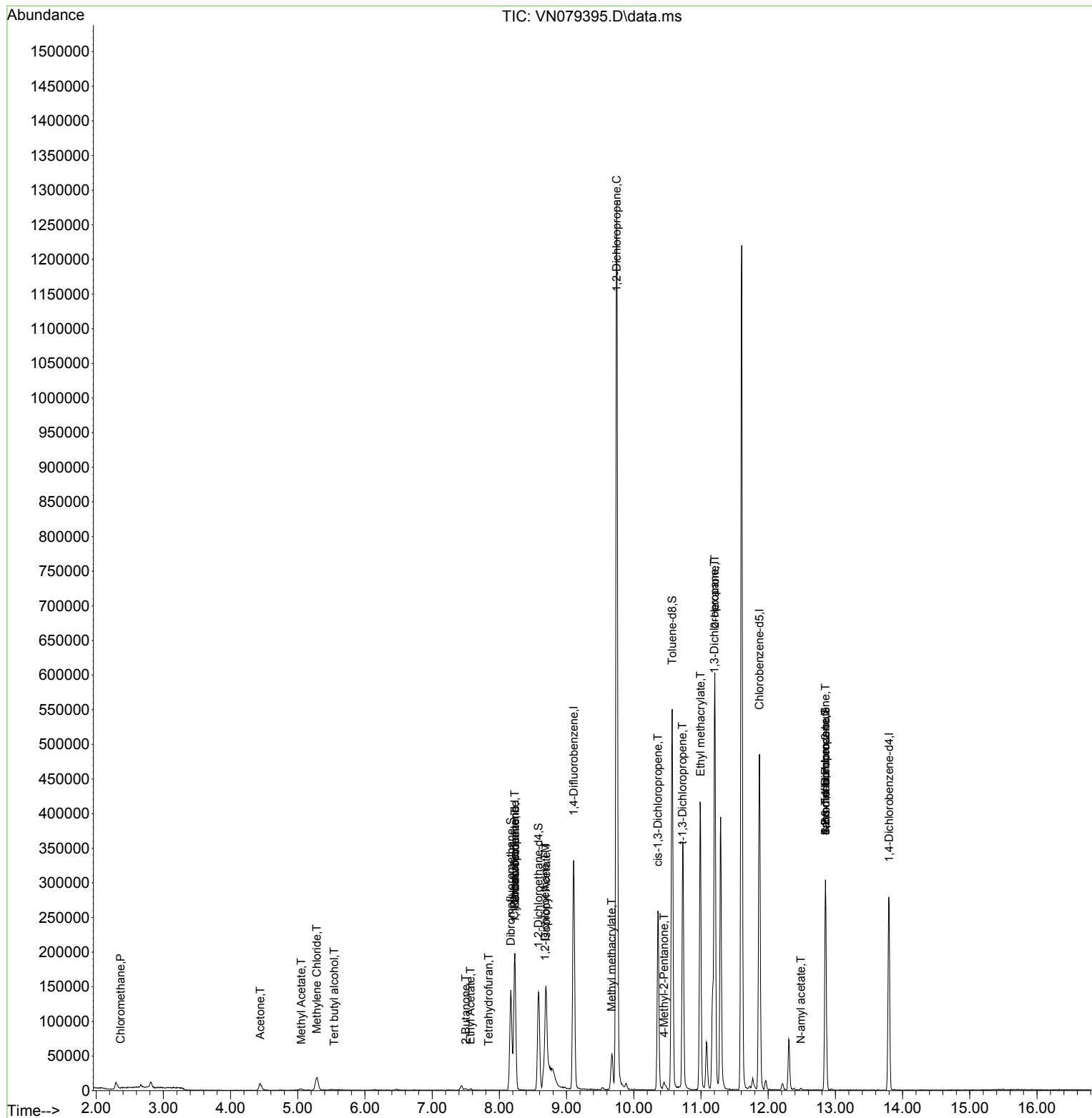
Internal Standards						
1) Pentafluorobenzene	8.230	168	134101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	279331	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	272615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	72275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	119777	66.167	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 132.340%#			
35) Dibromofluoromethane	8.171	113	99616	53.613	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.220%			
50) Toluene-d8	10.571	98	368293	53.982	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.960%			
62) 4-Bromofluorobenzene	12.853	95	100425	46.146	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.300%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	454	0.261	ug/l #	42
6) Chloroethane	3.106	64	173	Below Cal	#	43
11) Tert butyl alcohol	5.542	59	79	0.236	ug/l #	72
16) Acetone	4.442	43	18977	24.683	ug/l	90
18) Methyl Acetate	5.053	43	5050	1.598	ug/l #	42
20) Methylene Chloride	5.283	84	13803	7.378	ug/l #	78
25) 2-Butanone	7.500	43	3895	3.492	ug/l #	71
29) Tetrahydrofuran	7.841	42	142	0.200	ug/l #	20
31) Cyclohexane	8.224	56	3582	1.355	ug/l #	26
36) 1,1-Dichloropropene	8.236	75	12809	4.472	ug/l #	48
37) Ethyl Acetate	7.571	43	3671	1.285	ug/l #	70
38) Carbon Tetrachloride	8.230	117	13976	4.716	ug/l #	21
42) 1,2-Dichloroethane	8.683	62	821	0.272	ug/l #	73
43) Isopropyl Acetate	8.694	43	214144	45.943	ug/l #	69
45) 1,2-Dichloropropane	9.747	63	1565	0.719	ug/l #	45
48) Methyl methacrylate	9.671	41	3870	1.854	ug/l #	33
51) 4-Methyl-2-Pentanone	10.453	43	11395	4.211	ug/l #	67
53) t-1,3-Dichloropropene	10.724	75	694	0.218	ug/l #	1
54) cis-1,3-Dichloropropene	10.359	75	43483	12.744	ug/l #	70
56) Ethyl methacrylate	10.994	69	2507	0.840	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6448	1.764	ug/l #	42
59) 2-Hexanone	11.206	43	73172	37.338	ug/l #	48
71) Bromoform	12.853	173	661	0.387	ug/l #	1
74) N-amyl acetate	12.488	43	1509	0.605	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	55350	28.415	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	55350	78.119	ug/l #	15

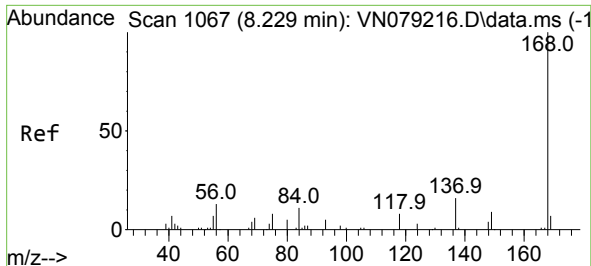
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093023\
Data File : VN079395.D
Acq On : 30 Sep 2023 18:34
Operator : JC\MD
Sample : PB155992ZHE#15
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

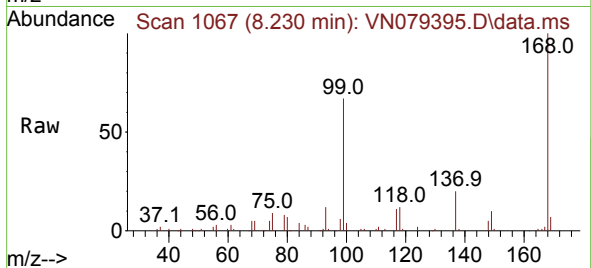
Quant Time: Oct 02 02:00:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 05:05:24 2023
Response via : Initial Calibration



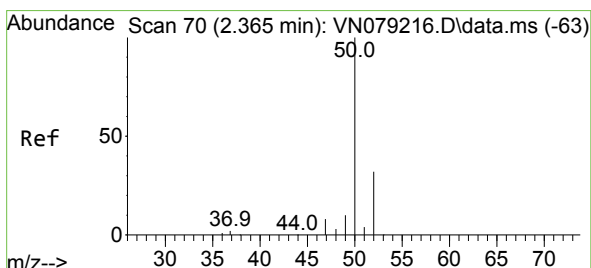
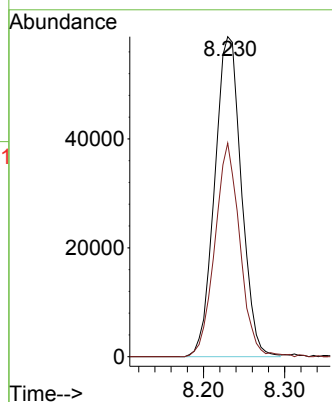
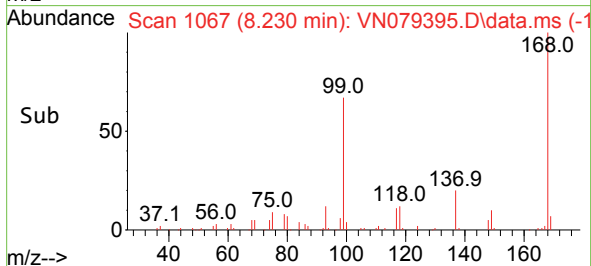


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079395.D
Acq: 30 Sep 2023 18:34

Instrument :
MSVOA_N
ClientSampleId :

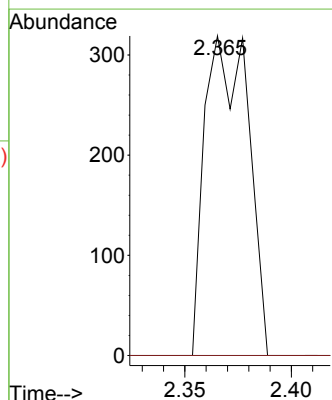
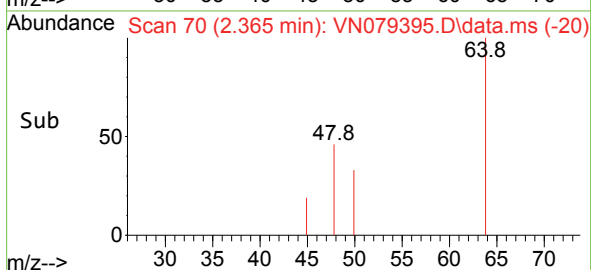
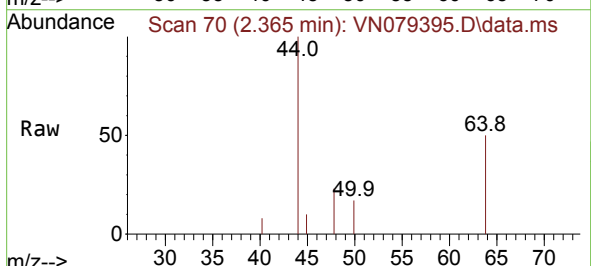


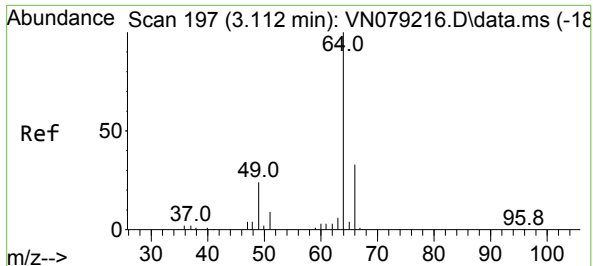
Tgt Ion:168 Resp: 134101
Ion Ratio Lower Upper
168 100
99 66.8 53.0 79.6



#3
Chloromethane
Concen: 0.261 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN079395.D
Acq: 30 Sep 2023 18:34

Tgt Ion: 50 Resp: 454
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

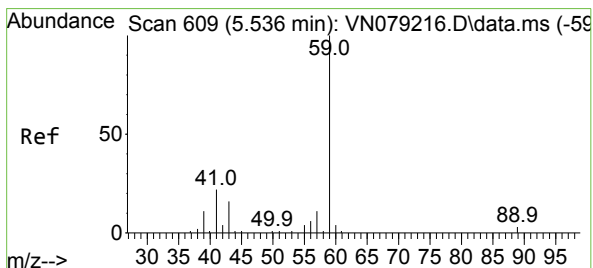
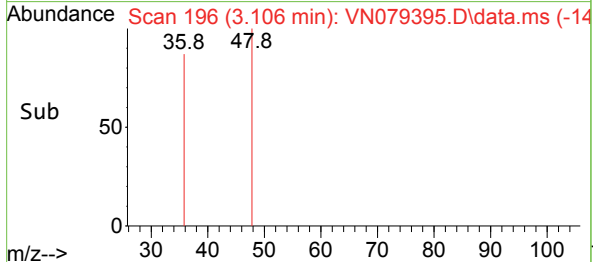
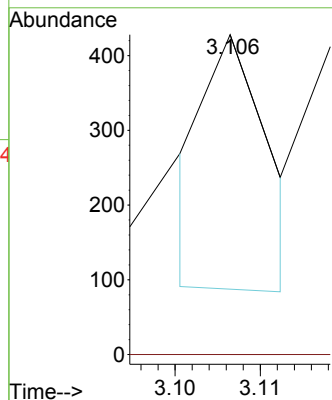
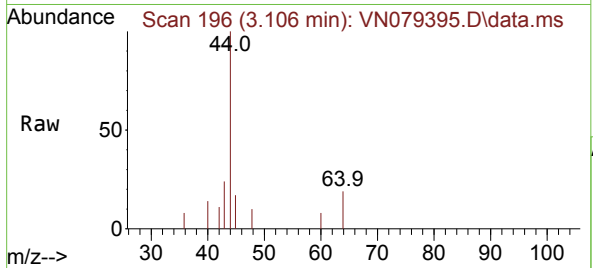




#6
Chloroethane
Concen: Below Cal
RT: 3.106 min Scan# 197
Delta R.T. -0.012 min
Lab File: VN079395.D
Acq: 30 Sep 2023 18:34

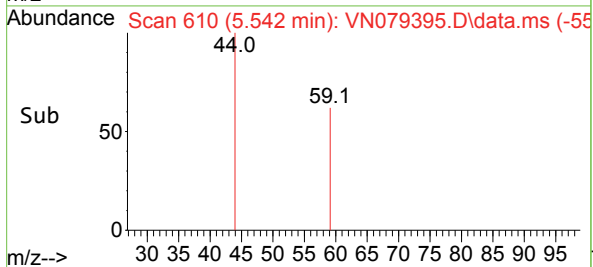
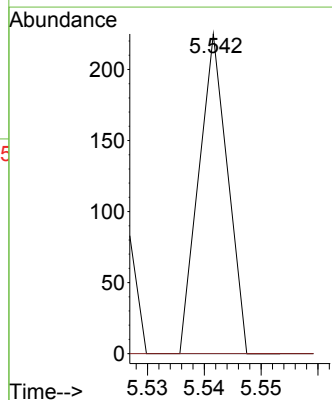
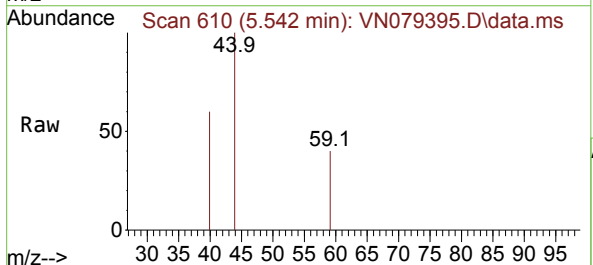
Instrument :
MSVOA_N
ClientSampleId :

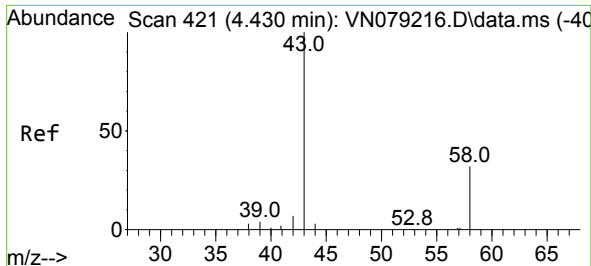
Tgt Ion: 64 Resp: 173
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.236 ug/l
RT: 5.542 min Scan# 610
Delta R.T. -0.000 min
Lab File: VN079395.D
Acq: 30 Sep 2023 18:34

Tgt Ion: 59 Resp: 79
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

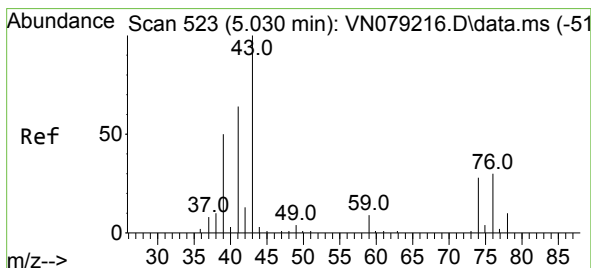
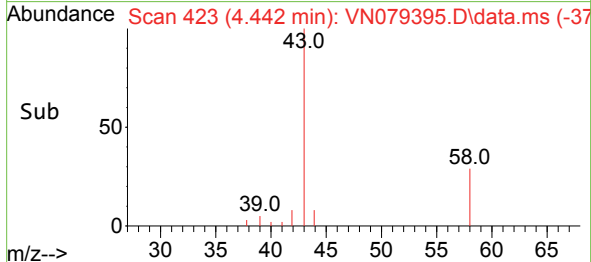
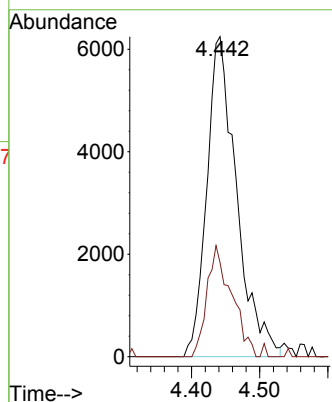
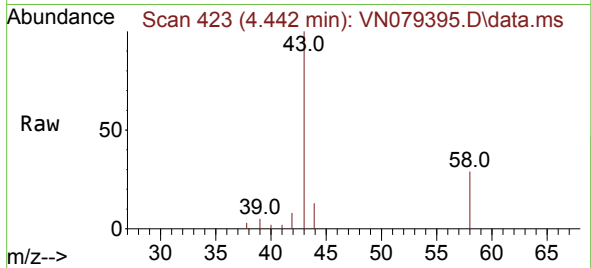




#16
Acetone
Concen: 24.683 ug/l
RT: 4.442 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN079395.D
Acq: 30 Sep 2023 18:34

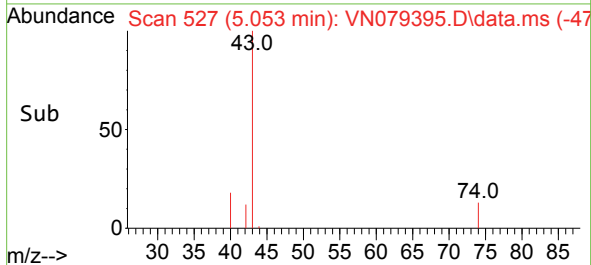
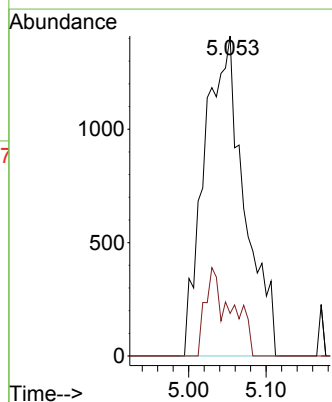
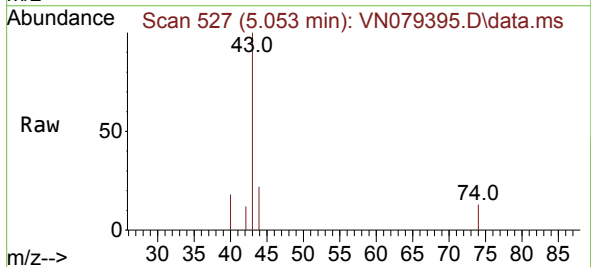
Instrument :
MSVOA_N
ClientSampleId :

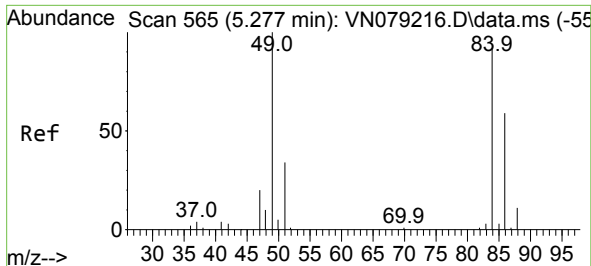
Tgt Ion: 43 Resp: 18977
Ion Ratio Lower Upper
43 100
58 29.4 28.0 42.0



#18
Methyl Acetate
Concen: 1.598 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.011 min
Lab File: VN079395.D
Acq: 30 Sep 2023 18:34

Tgt Ion: 43 Resp: 5050
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#





#20

Methylene Chloride

Concen: 7.378 ug/l

RT: 5.283 min Scan# 5

Delta R.T. -0.000 min

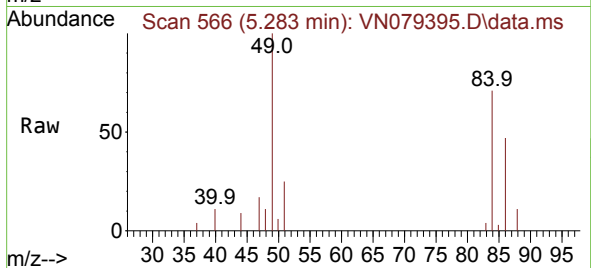
Lab File: VN079395.D

Acq: 30 Sep 2023 18:34

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 13803

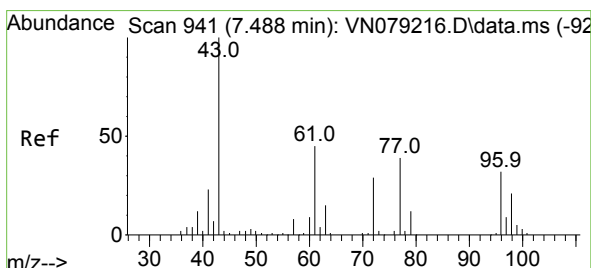
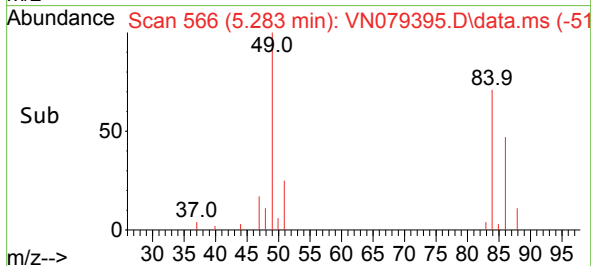
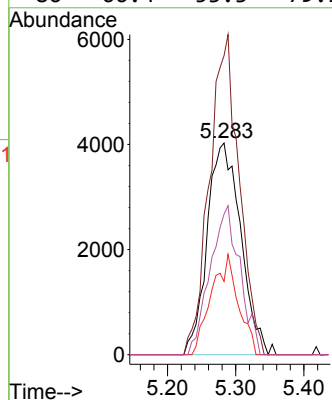
Ion Ratio Lower Upper

84 100

49 141.3 79.7 119.5#

51 34.7 25.2 37.8

86 66.4 53.3 79.9



#25

2-Butanone

Concen: 3.492 ug/l

RT: 7.500 min Scan# 943

Delta R.T. 0.006 min

Lab File: VN079395.D

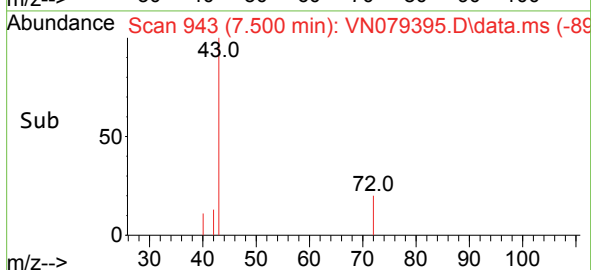
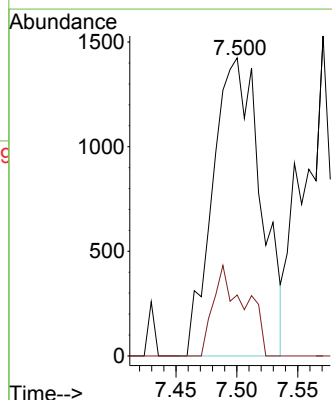
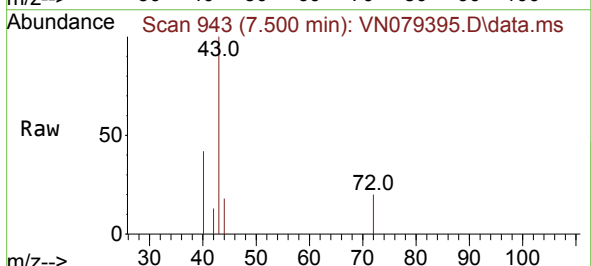
Acq: 30 Sep 2023 18:34

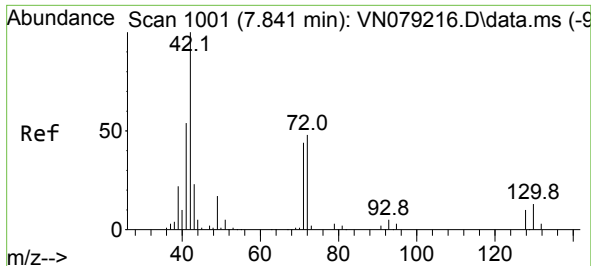
Tgt Ion: 43 Resp: 3895

Ion Ratio Lower Upper

43 100

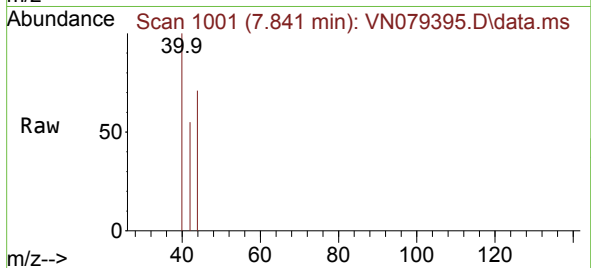
72 20.4 30.2 45.2#



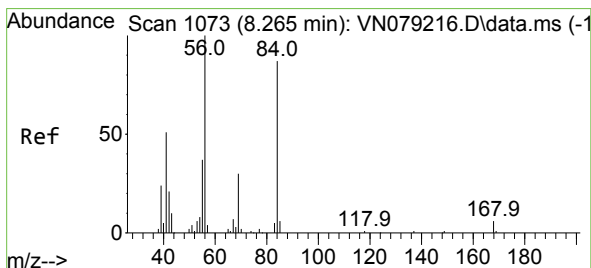
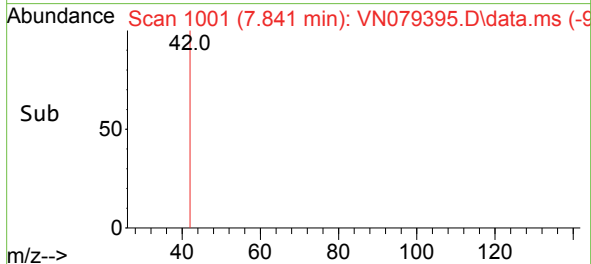
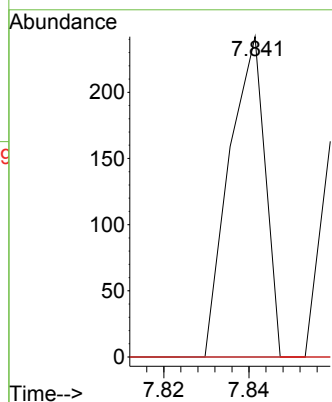


#29
Tetrahydrofuran
Concen: 0.200 ug/l
RT: 7.841 min Scan# 1066
Delta R.T. -0.006 min
Lab File: VN079395.D
Acq: 30 Sep 2023 18:34

Instrument :
MSVOA_N
ClientSampleId :

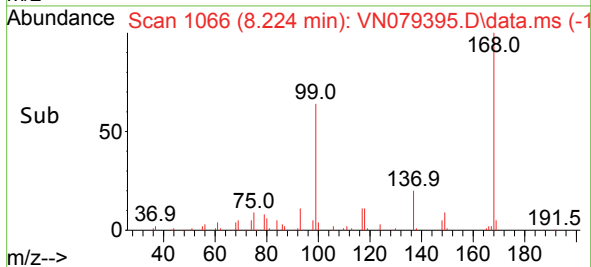
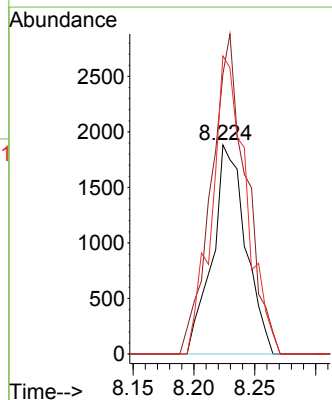
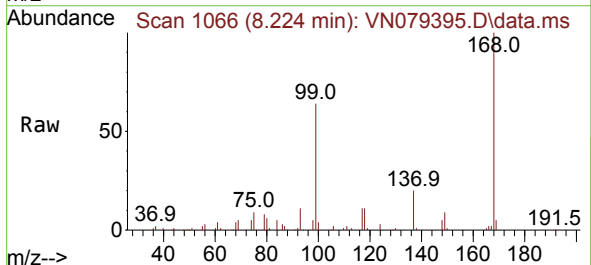


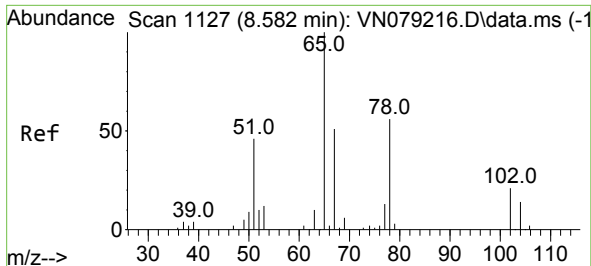
Tgt Ion: 42 Resp: 142
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



#31
Cyclohexane
Concen: 1.355 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN079395.D
Acq: 30 Sep 2023 18:34

Tgt Ion: 56 Resp: 3582
Ion Ratio Lower Upper
56 100
69 134.0 26.8 40.2#
84 142.7 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 66.167 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079395.D

Acq: 30 Sep 2023 18:34

Instrument :

MSVOA_N

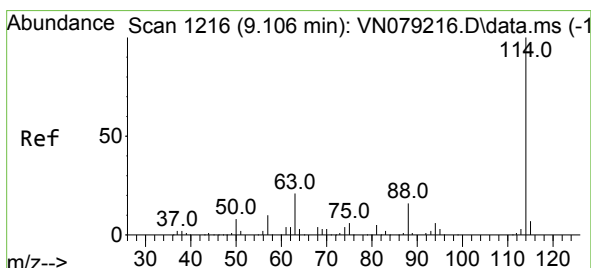
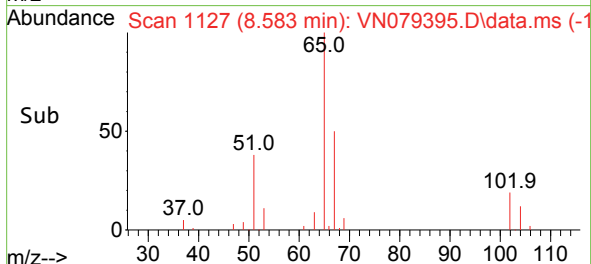
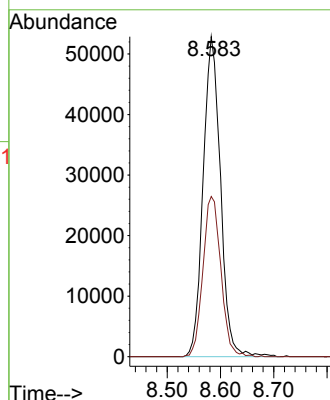
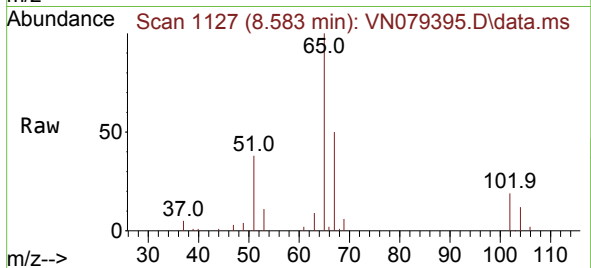
ClientSampleId :

Tgt Ion: 65 Resp: 119777

Ion Ratio Lower Upper

65 100

67 51.7 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: VN079395.D

Acq: 30 Sep 2023 18:34

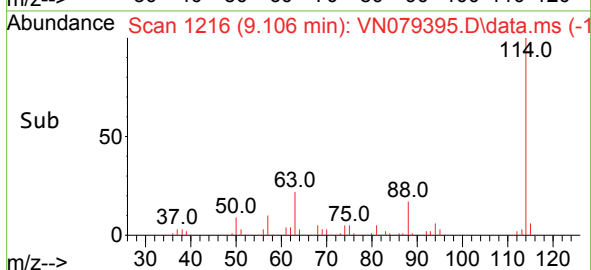
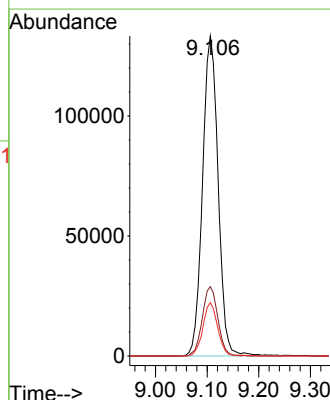
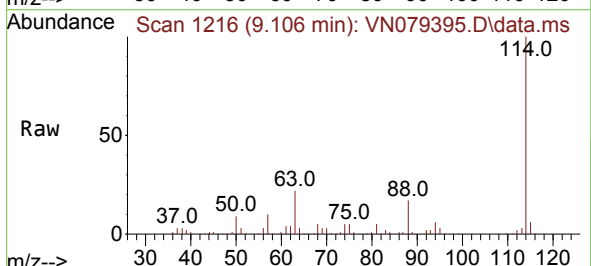
Tgt Ion: 114 Resp: 279331

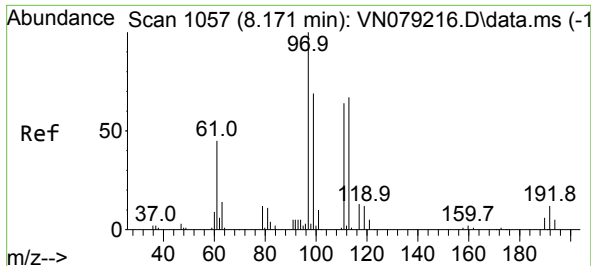
Ion Ratio Lower Upper

114 100

63 21.6 0.0 36.4

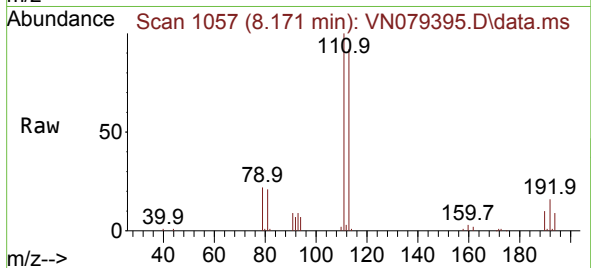
88 16.7 0.0 30.6



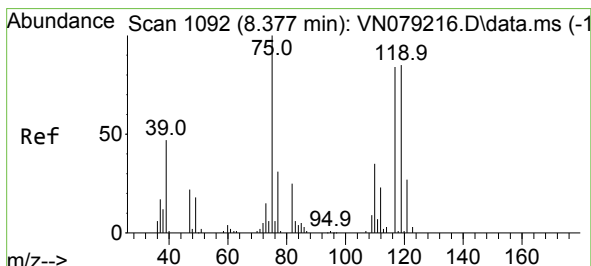
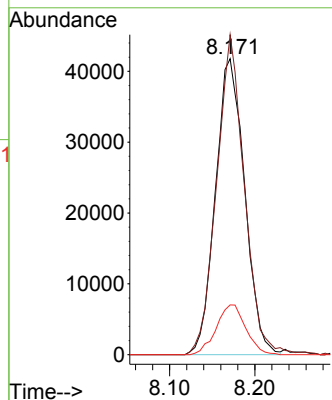
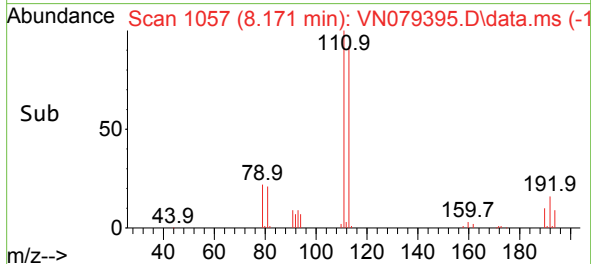


#35
Dibromofluoromethane
Concen: 53.613 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079395.D
Acq: 30 Sep 2023 18:34

Instrument :
MSVOA_N
ClientSampleId :

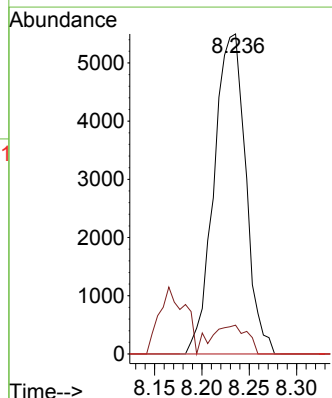
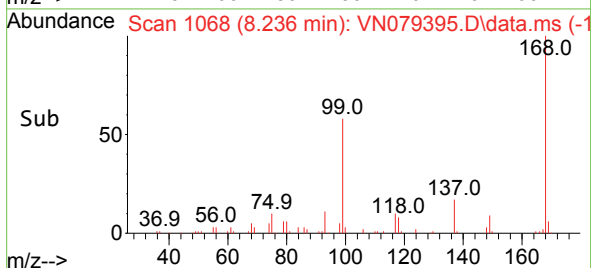
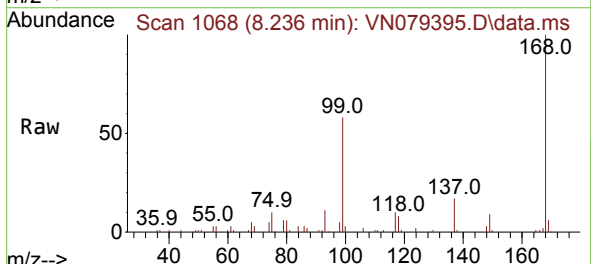


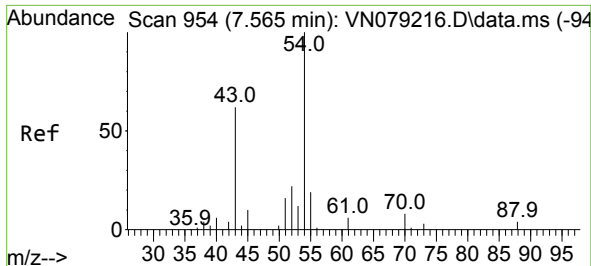
Tgt Ion:113 Resp: 99616
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 17.0 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.472 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN079395.D
Acq: 30 Sep 2023 18:34

Tgt Ion: 75 Resp: 12809
Ion Ratio Lower Upper
75 100
110 8.8 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.285 ug/l

RT: 7.571 min Scan# 91

Delta R.T. -0.000 min

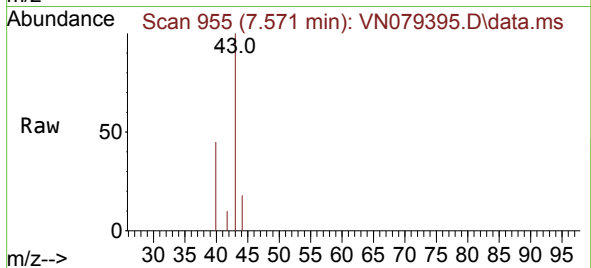
Lab File: VN079395.D

Acq: 30 Sep 2023 18:34

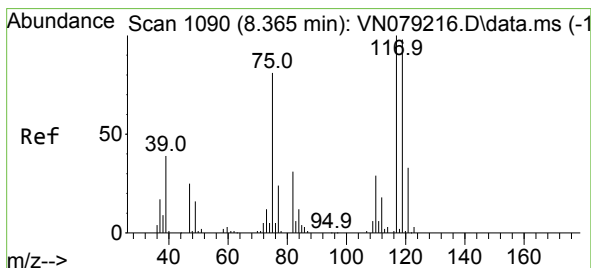
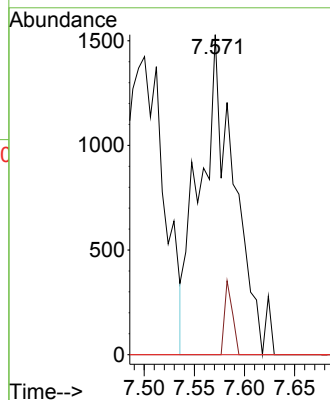
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp:	3671
Ion	Ratio	Lower Upper
43	100	
61	5.2	13.2 19.8#
70	0.0	11.3 16.9#



#38

Carbon Tetrachloride

Concen: 4.716 ug/l

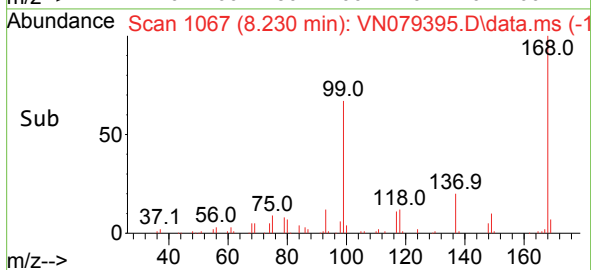
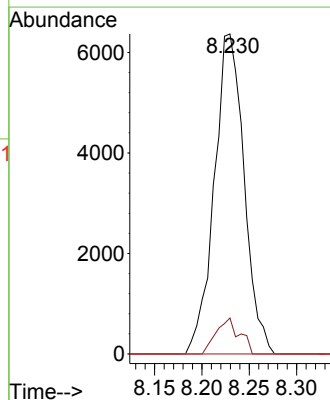
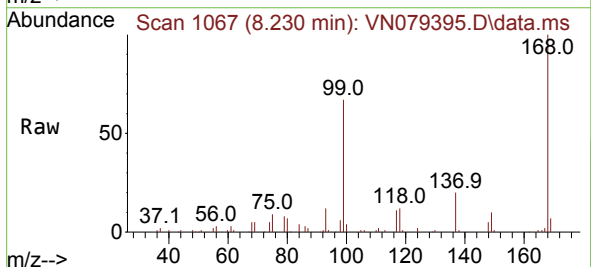
RT: 8.230 min Scan# 1067

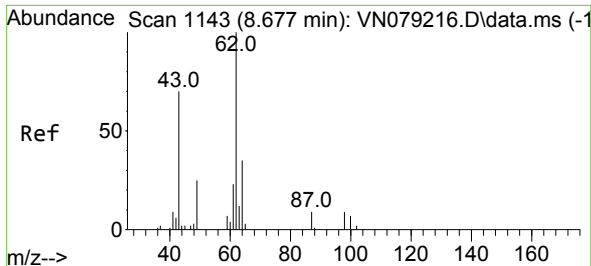
Delta R.T. -0.141 min

Lab File: VN079395.D

Acq: 30 Sep 2023 18:34

Tgt Ion: 117	Resp:	13976
Ion	Ratio	Lower Upper
117	100	
119	11.3	77.3 115.9#
121	0.0	23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.272 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN079395.D

Acq: 30 Sep 2023 18:34

Instrument :

MSVOA_N

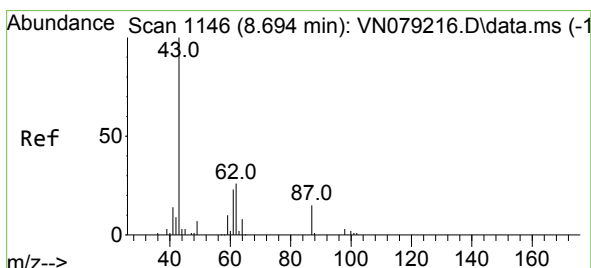
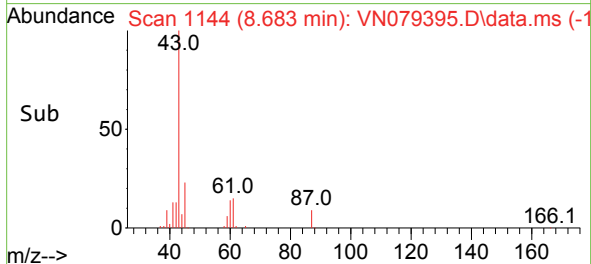
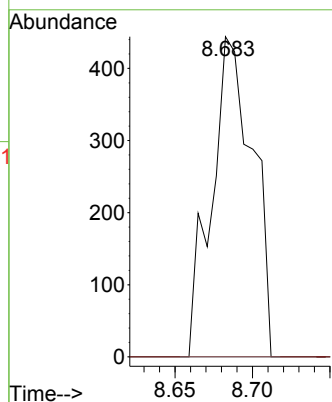
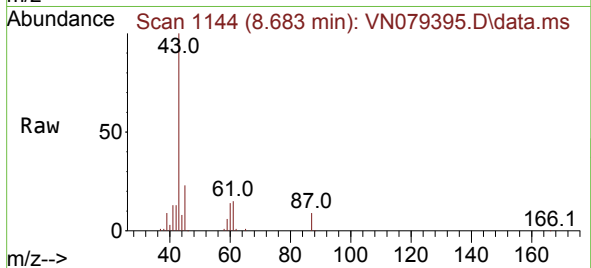
ClientSampleId :

Tgt Ion: 62 Resp: 821

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 45.943 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079395.D

Acq: 30 Sep 2023 18:34

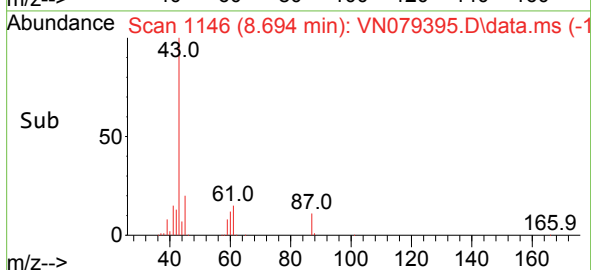
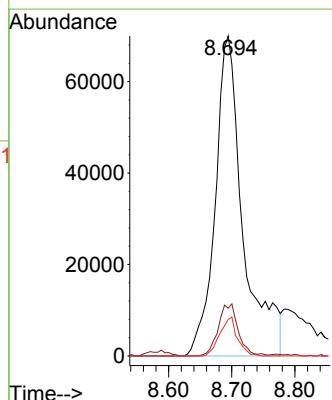
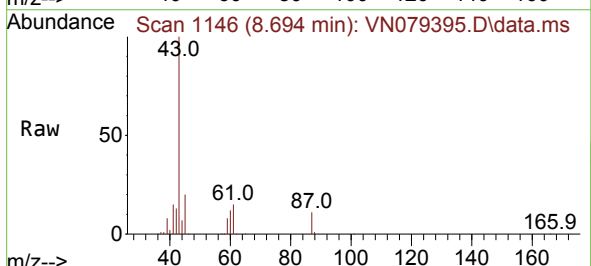
Tgt Ion: 43 Resp: 214144

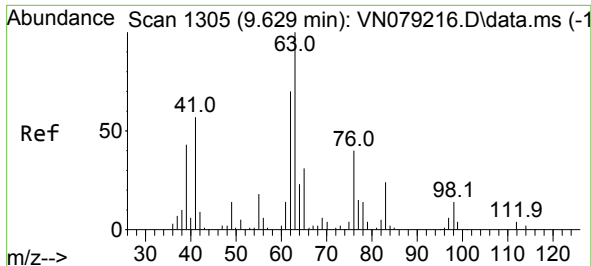
Ion Ratio Lower Upper

43 100

61 11.7 24.7 37.1#

87 7.7 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.719 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN079395.D

Acq: 30 Sep 2023 18:34

Instrument :

MSVOA_N

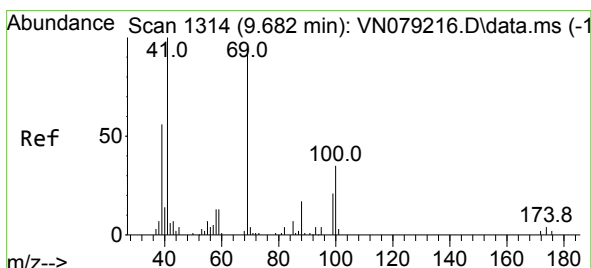
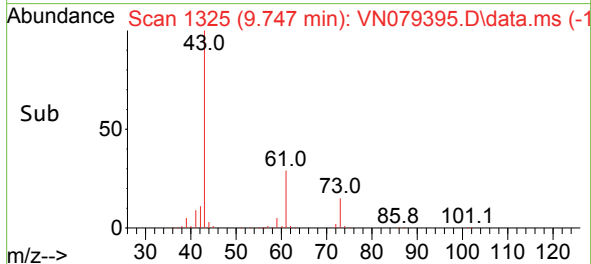
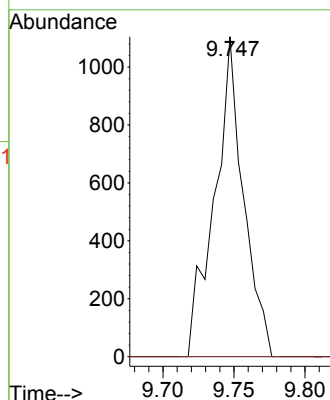
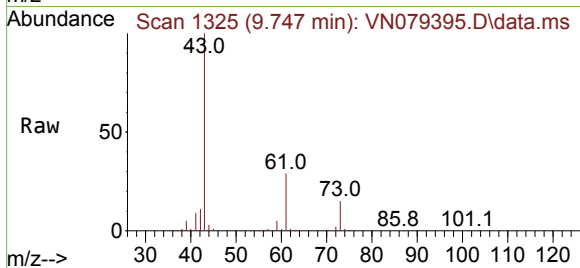
ClientSampleId :

Tgt Ion: 63 Resp: 1565

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.854 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.017 min

Lab File: VN079395.D

Acq: 30 Sep 2023 18:34

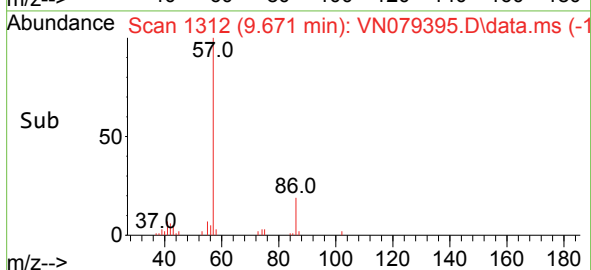
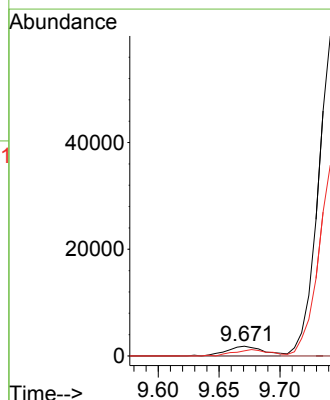
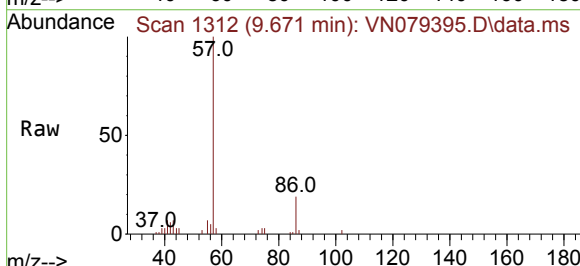
Tgt Ion: 41 Resp: 3870

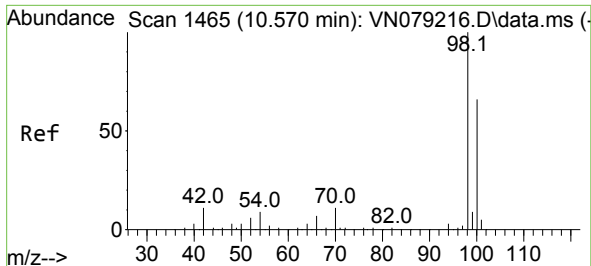
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 64.6 54.6 81.8

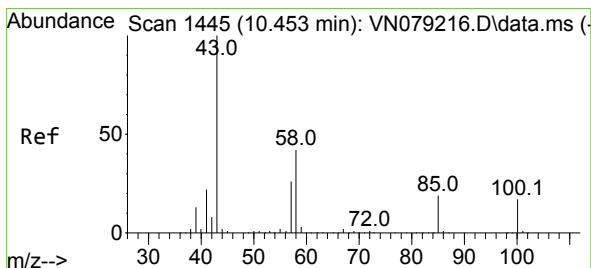
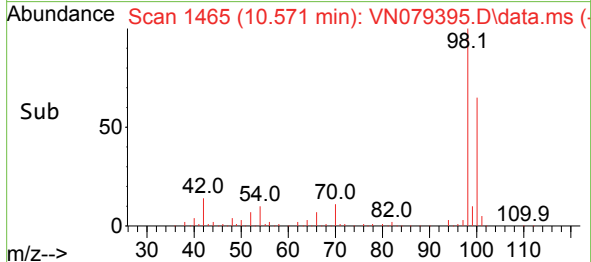
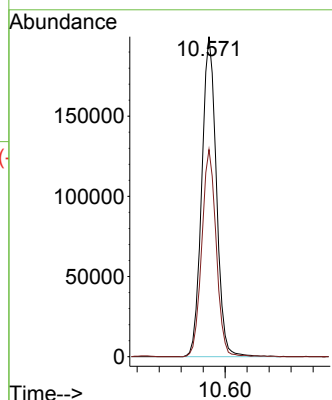
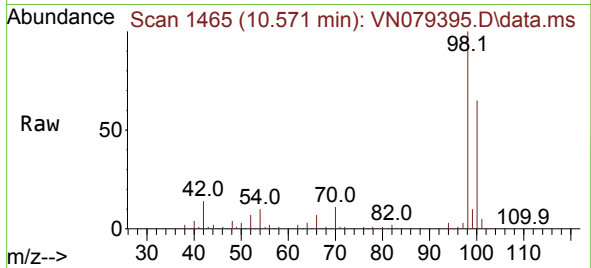




#50
Toluene-d8
Concen: 53.982 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079395.D
Acq: 30 Sep 2023 18:34

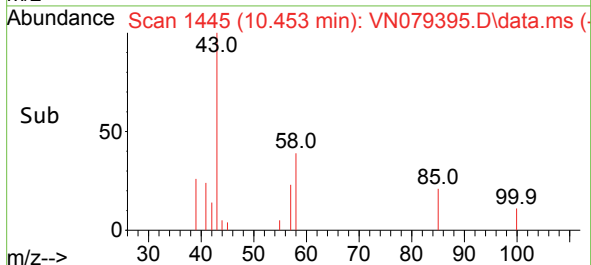
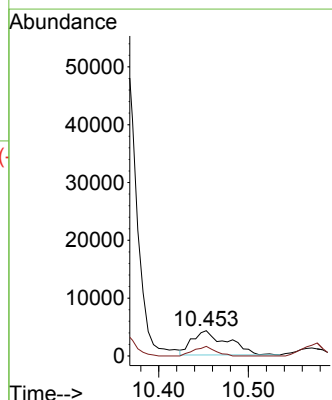
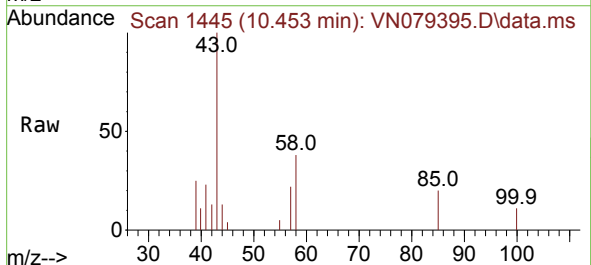
Instrument :
MSVOA_N
ClientSampleId :

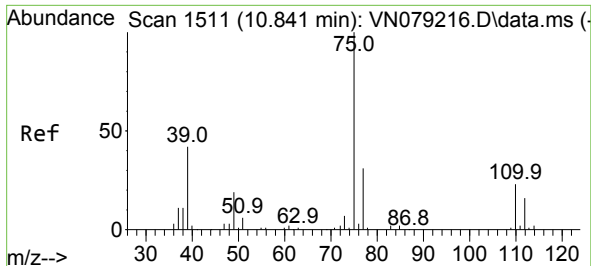
Tgt Ion: 98 Resp: 368293
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.211 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN079395.D
Acq: 30 Sep 2023 18:34

Tgt Ion: 43 Resp: 11395
Ion Ratio Lower Upper
43 100
58 24.0 36.6 54.8#

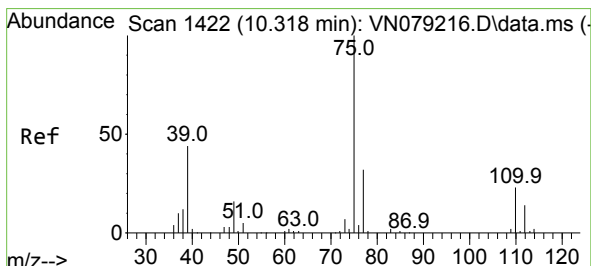
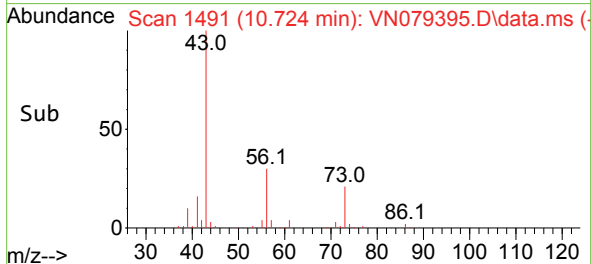
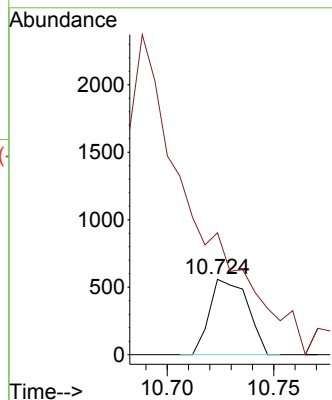
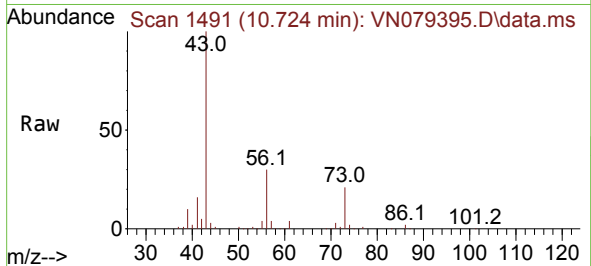




#53
 t-1,3-Dichloropropene
 Concen: 0.218 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.117 min
 Lab File: VN079395.D
 Acq: 30 Sep 2023 18:34

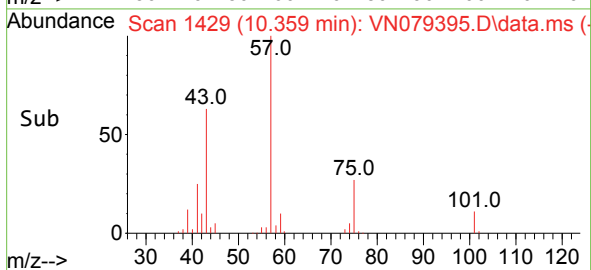
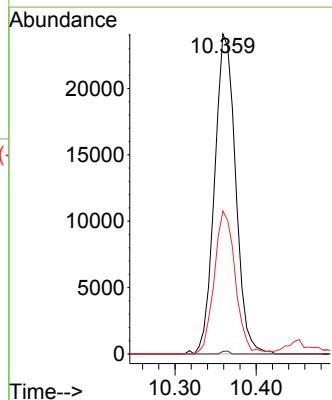
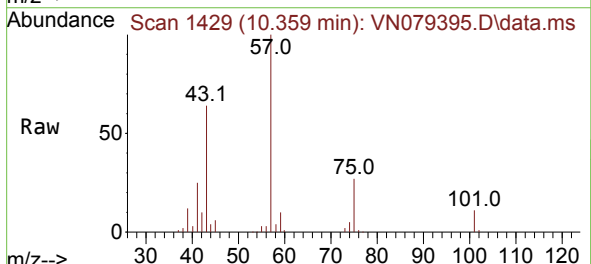
Instrument :
 MSVOA_N
 ClientSampleId :

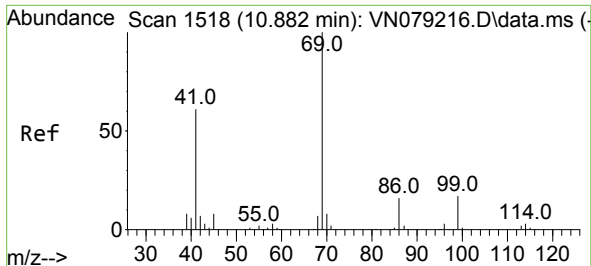
Tgt Ion: 75 Resp: 694
 Ion Ratio Lower Upper
 75 100
 77 116.6 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 12.744 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN079395.D
 Acq: 30 Sep 2023 18:34

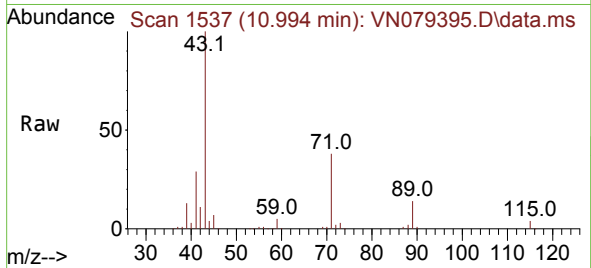
Tgt Ion: 75 Resp: 43483
 Ion Ratio Lower Upper
 75 100
 77 0.8 26.1 39.1#
 39 44.6 31.6 47.4



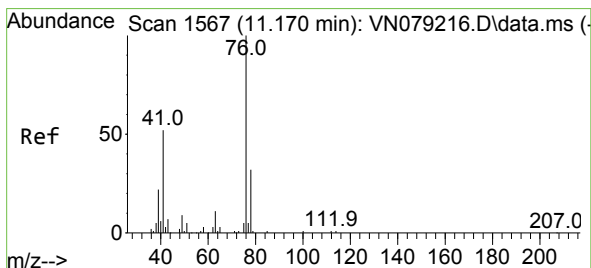
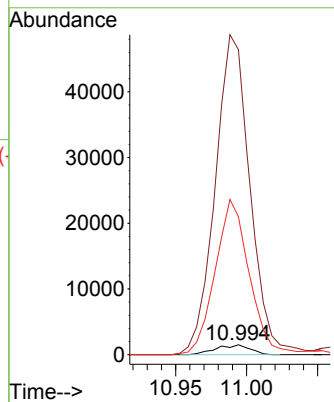
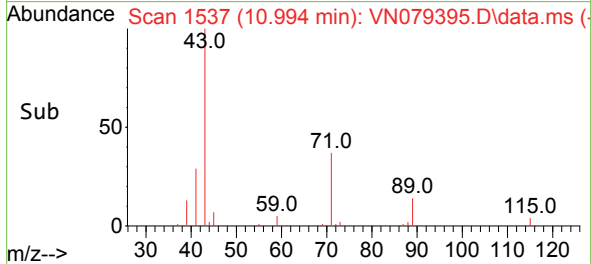


#56
Ethyl methacrylate
Concen: 0.840 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.117 min
Lab File: VN079395.D
Acq: 30 Sep 2023 18:34

Instrument :
MSVOA_N
ClientSampleId :

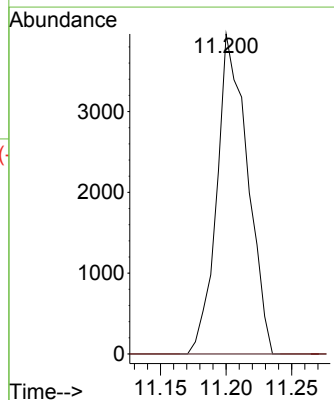
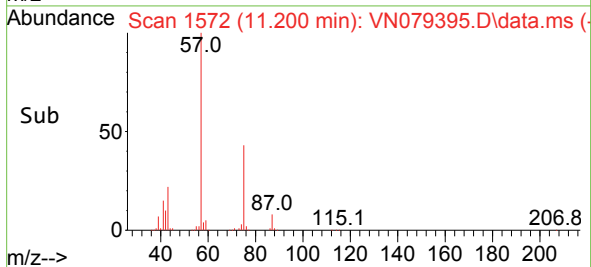
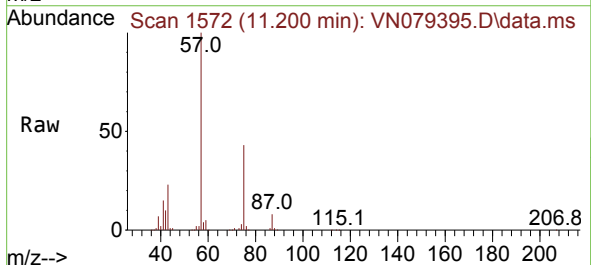


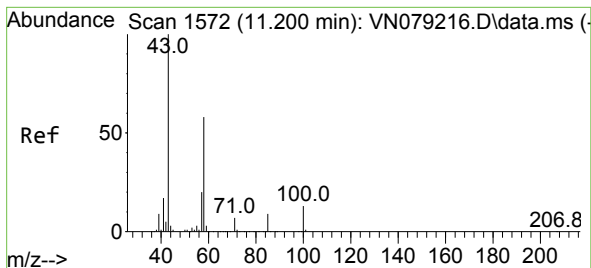
Tgt Ion: 69 Resp: 2507
Ion Ratio Lower Upper
69 100
41 3326.5 39.6 59.4#
39 1576.5 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.764 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN079395.D
Acq: 30 Sep 2023 18:34

Tgt Ion: 76 Resp: 6448
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

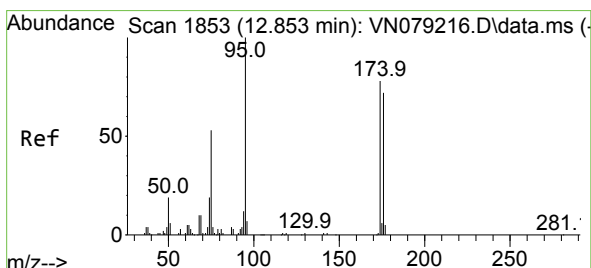
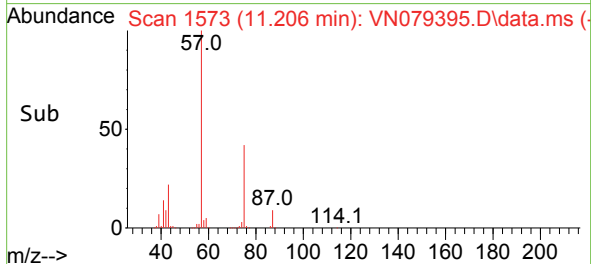
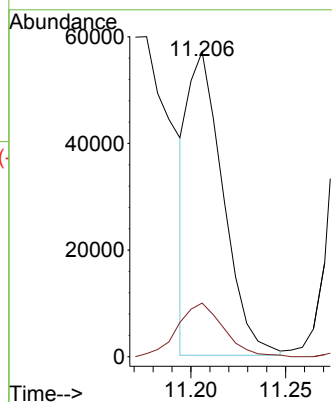
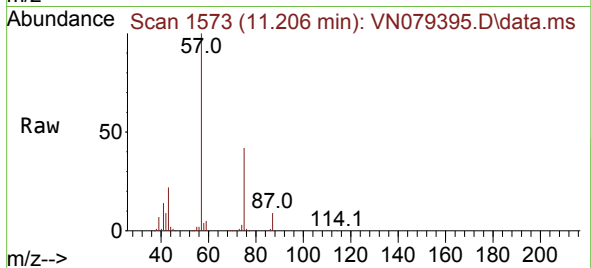




#59
2-Hexanone
Concen: 37.338 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079395.D
Acq: 30 Sep 2023 18:34

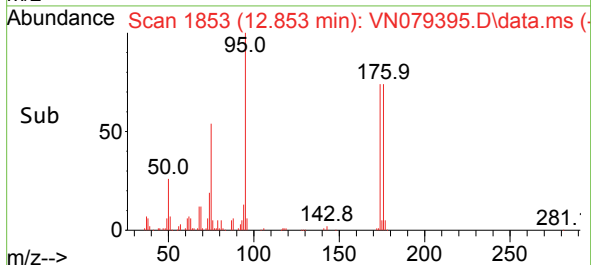
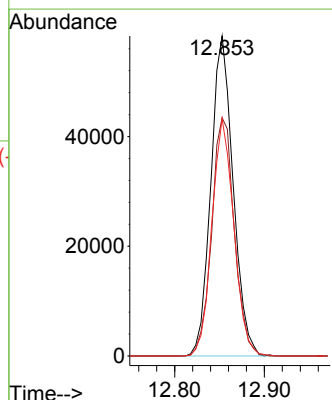
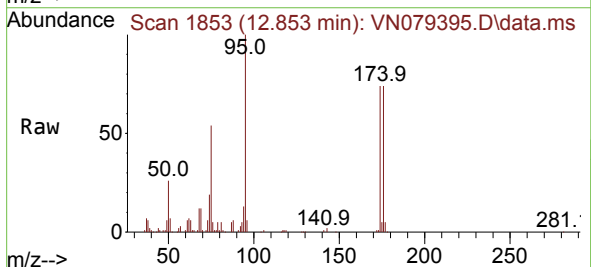
Instrument :
MSVOA_N
ClientSampleId :

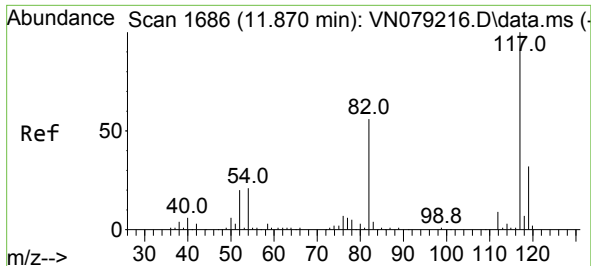
Tgt Ion: 43 Resp: 73172
Ion Ratio Lower Upper
43 100
58 23.3 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 46.146 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079395.D
Acq: 30 Sep 2023 18:34

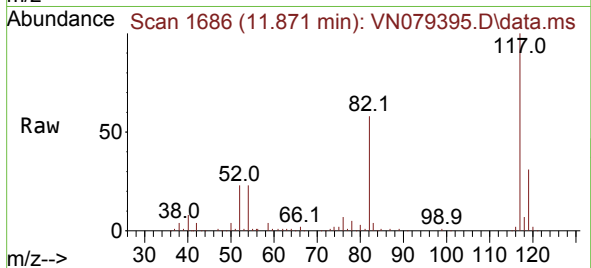
Tgt Ion: 95 Resp: 100425
Ion Ratio Lower Upper
95 100
174 75.6 0.0 143.8
176 73.2 0.0 135.8



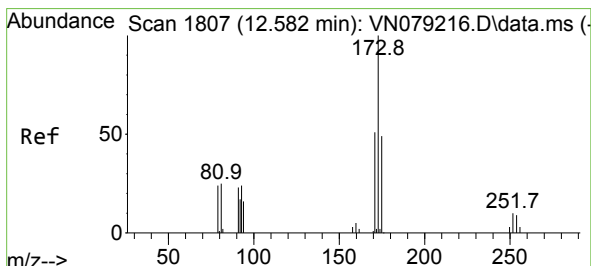
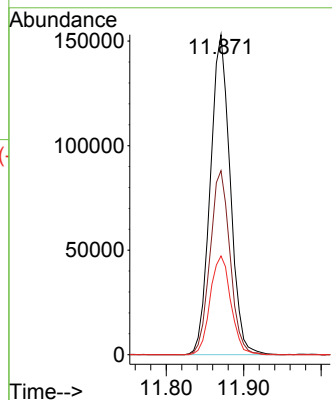
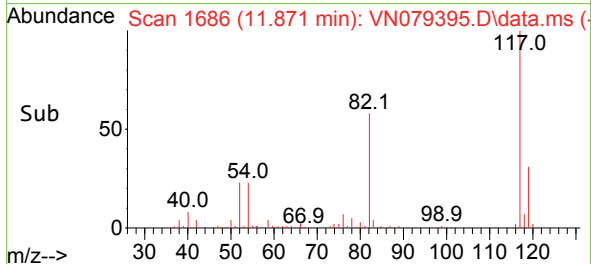


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN079395.D
Acq: 30 Sep 2023 18:34

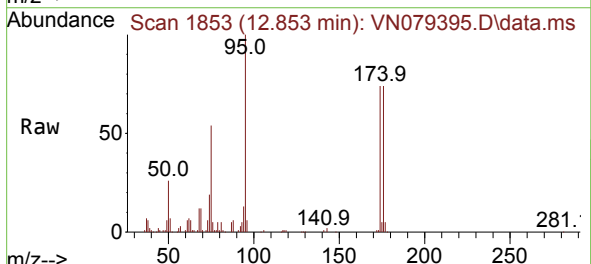
Instrument :
MSVOA_N
ClientSampleId :



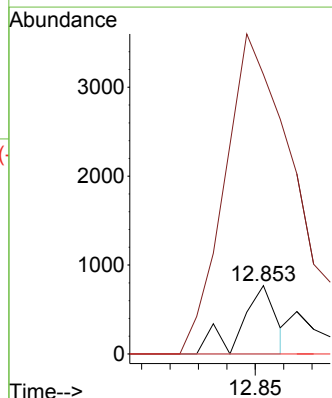
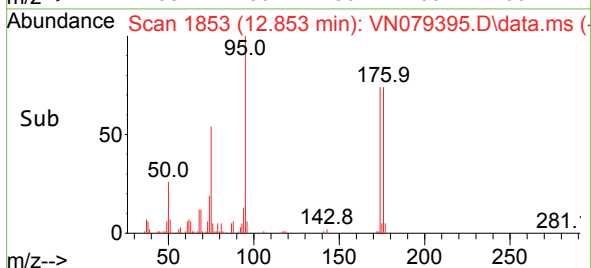
Tgt Ion:117 Resp: 272615
Ion Ratio Lower Upper
117 100
82 57.5 44.0 66.0
119 30.9 25.6 38.4

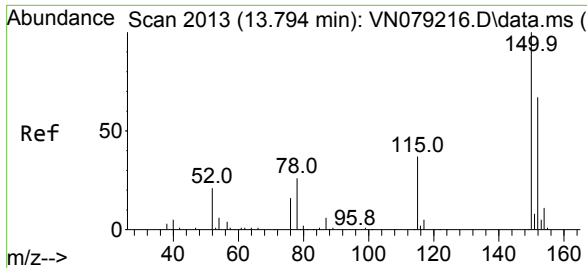


#71
Bromoform
Concen: 0.387 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079395.D
Acq: 30 Sep 2023 18:34



Tgt Ion:173 Resp: 661
Ion Ratio Lower Upper
173 100
175 709.7 24.3 73.0#
254 0.0 0.0 0.0

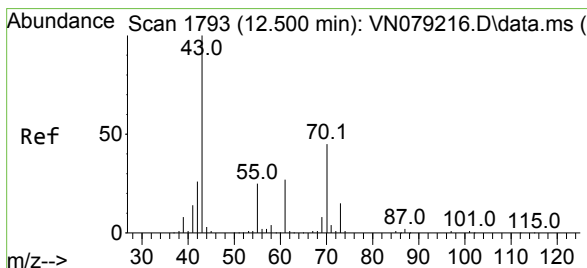
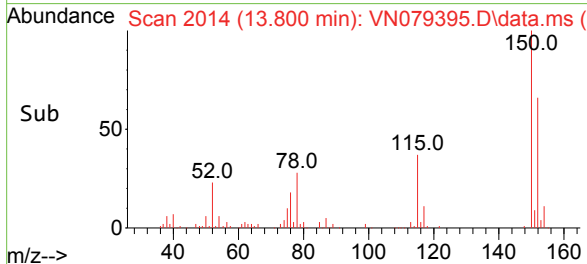
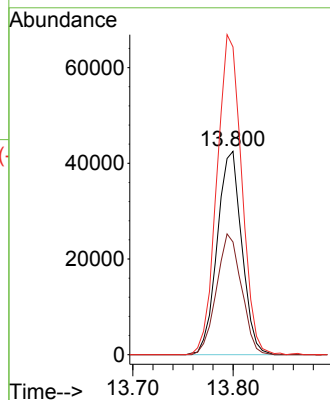
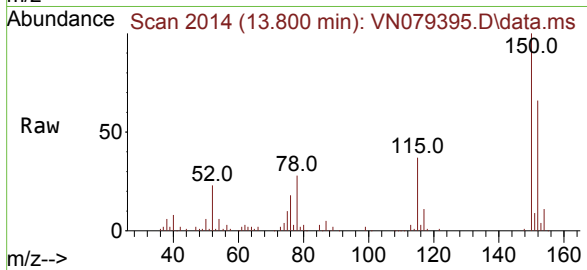




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN079395.D
 Acq: 30 Sep 2023 18:34

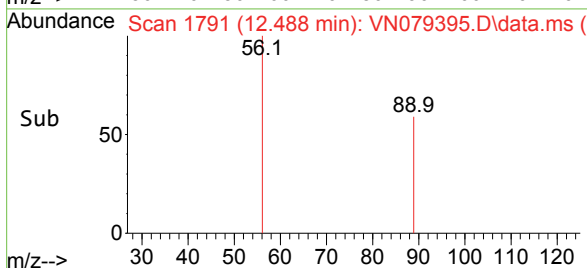
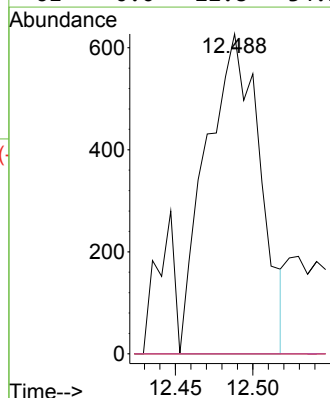
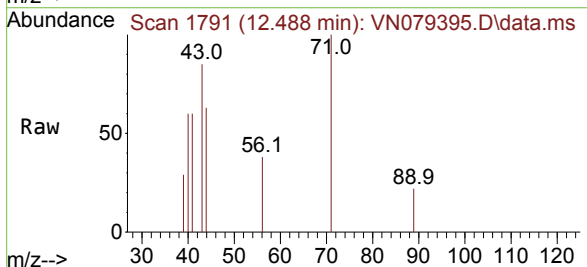
Instrument :
 MSVOA_N
 ClientSampleId :

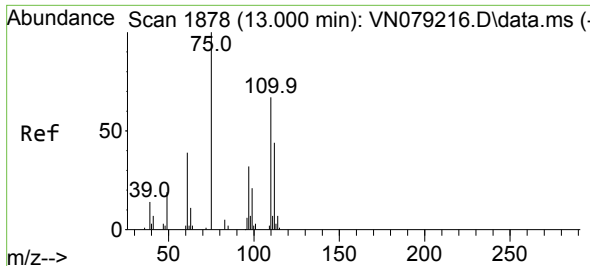
Tgt Ion:152 Resp: 72275
 Ion Ratio Lower Upper
 152 100
 115 60.2 32.3 96.8
 150 158.9 0.0 355.8



#74
 N-ethyl acetate
 Concen: 0.605 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.012 min
 Lab File: VN079395.D
 Acq: 30 Sep 2023 18:34

Tgt Ion: 43 Resp: 1509
 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#

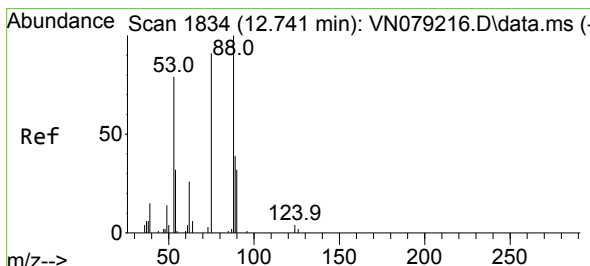
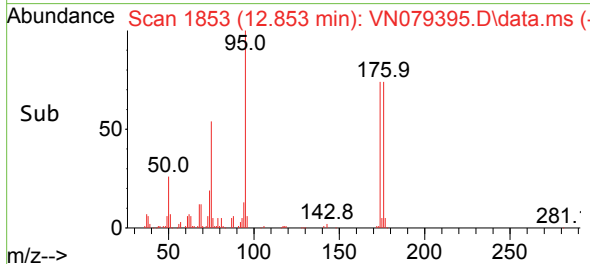
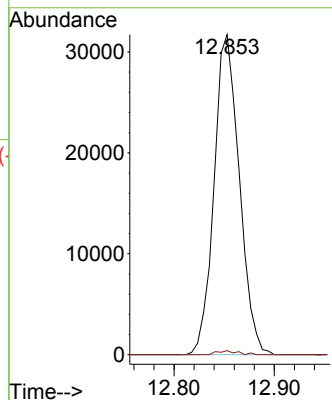
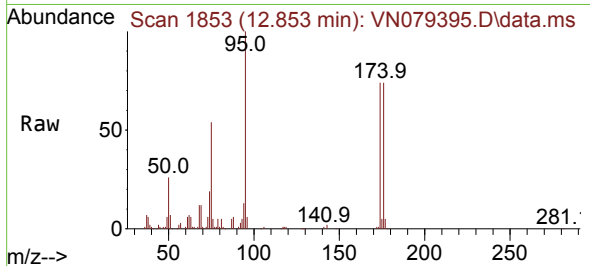




#76
1,2,3-Trichloropropane
Concen: 28.415 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079395.D
Acq: 30 Sep 2023 18:34

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 55350
Ion Ratio Lower Upper
75 100
77 1.0 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.119 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079395.D
Acq: 30 Sep 2023 18:34

Tgt Ion: 75 Resp: 55350
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

