

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101123\
 Data File : VN079516.D
 Acq On : 11 Oct 2023 14:48
 Operator : JC\MD
 Sample : 04819-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 12 06:09:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

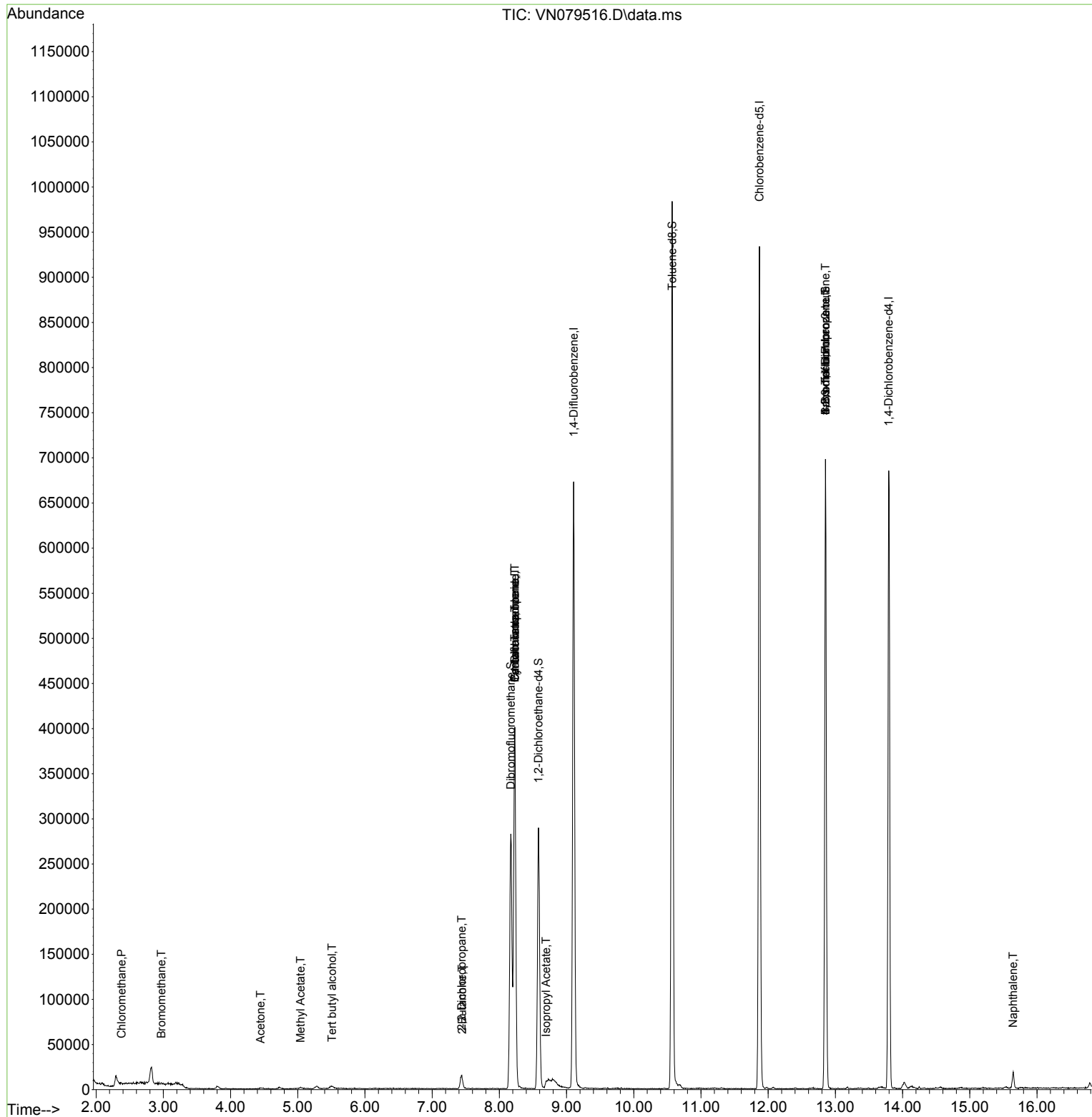
Internal Standards						
1) Pentafluorobenzene	8.230	168	284642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	567695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	538763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	180580	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	230236	49.886	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	99.780%	
35) Dibromofluoromethane	8.171	113	202831	49.718	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	99.440%	
50) Toluene-d8	10.571	98	664500	45.016	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	90.040%	
62) 4-Bromofluorobenzene	12.853	95	232296	49.036	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	98.080%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1121	0.220	ug/l #	42
5) Bromomethane	2.971	94	838	0.264	ug/l #	52
11) Tert butyl alcohol	5.512	59	2129	3.065	ug/l #	72
16) Acetone	4.448	43	2163	1.182	ug/l #	74
18) Methyl Acetate	5.042	43	2425	0.271	ug/l #	49
20) Methylene Chloride	5.271	84	1919	Below Cal	#	78
25) 2-Butanone	7.447	43	776	0.286	ug/l #	37
26) 2,2-Dichloropropane	7.441	77	1241	0.218	ug/l #	53
31) Cyclohexane	8.230	56	7072	1.080	ug/l #	8
36) 1,1-Dichloropropene	8.230	75	25714	4.200	ug/l #	47
38) Carbon Tetrachloride	8.230	117	31081	5.071	ug/l #	16
43) Isopropyl Acetate	8.694	43	6452	0.604	ug/l #	49
71) Bromoform	12.853	173	2584	0.804	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	128498	24.680	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	128498	71.609	ug/l #	15
95) Naphthalene	15.647	128	16245	2.695	ug/l	98

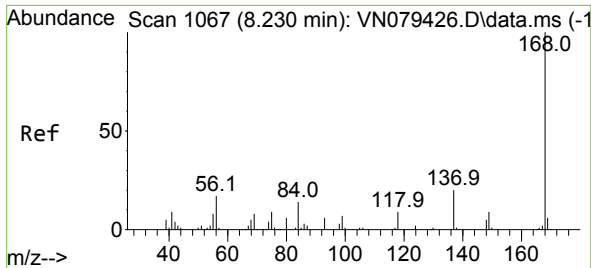
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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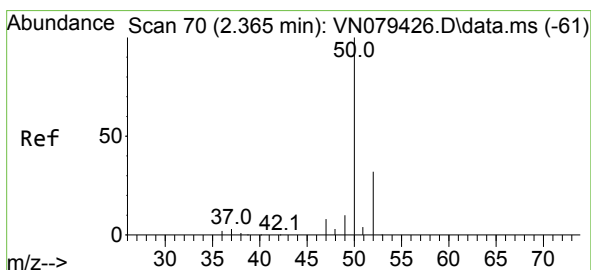
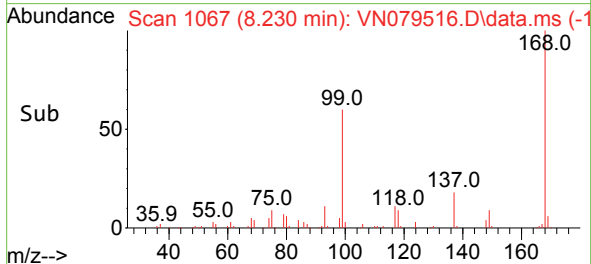
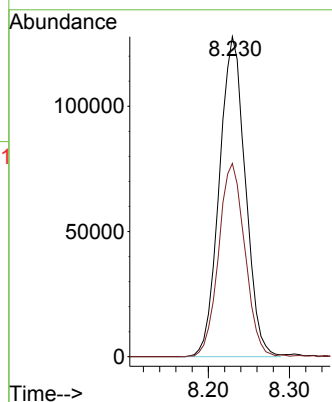
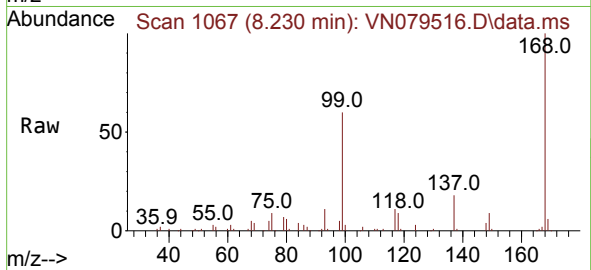




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079516.D
Acq: 11 Oct 2023 14:48

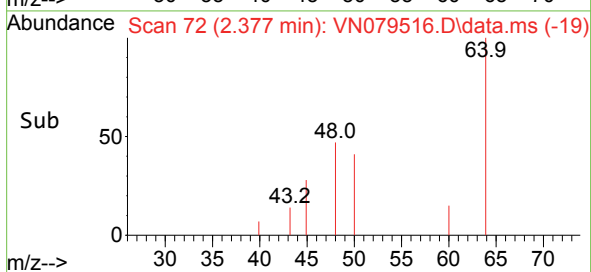
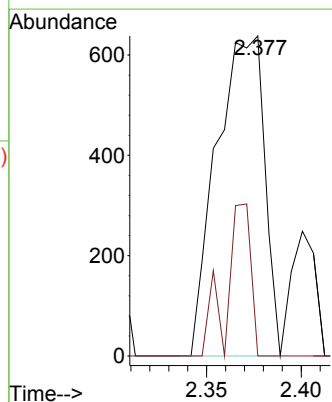
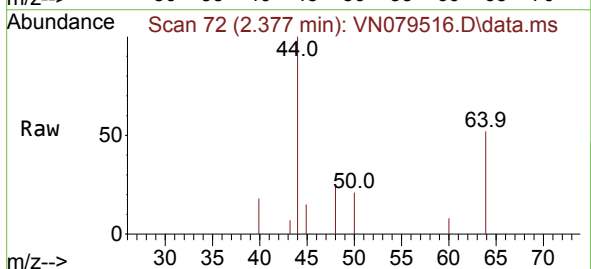
Instrument :
MSVOA_N
ClientSampleId :

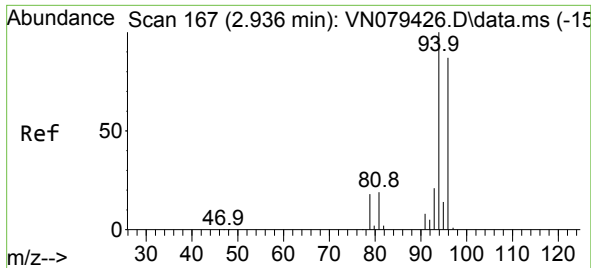
Tgt Ion:168 Resp: 284642
Ion Ratio Lower Upper
168 100
99 60.4 53.0 79.6



#3
Chloromethane
Concen: 0.220 ug/l
RT: 2.377 min Scan# 72
Delta R.T. 0.012 min
Lab File: VN079516.D
Acq: 11 Oct 2023 14:48

Tgt Ion: 50 Resp: 1121
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

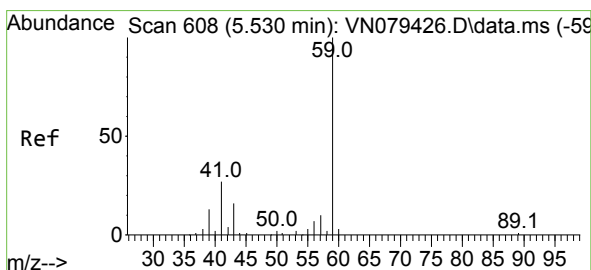
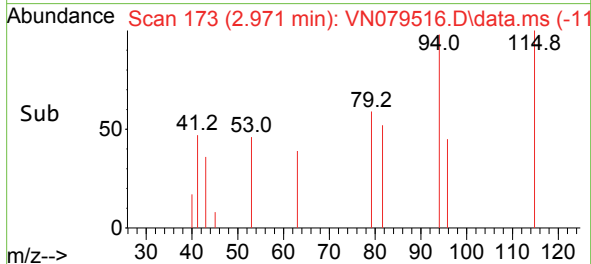
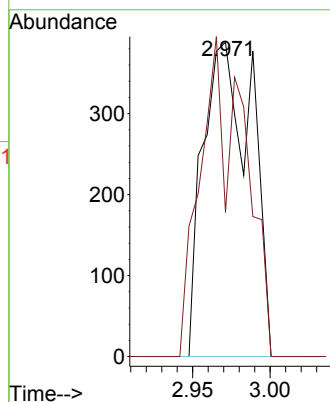
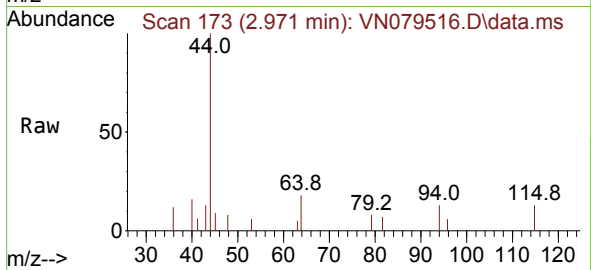




#5
Bromomethane
Concen: 0.264 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN079516.D
Acq: 11 Oct 2023 14:48

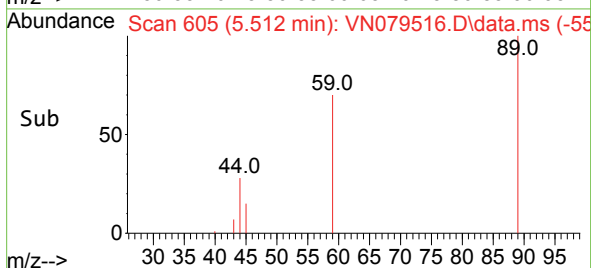
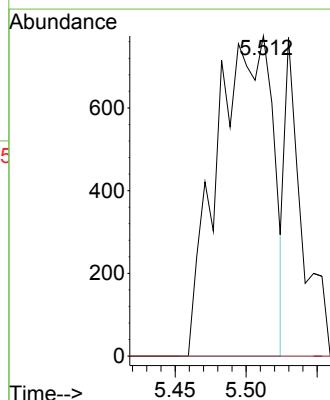
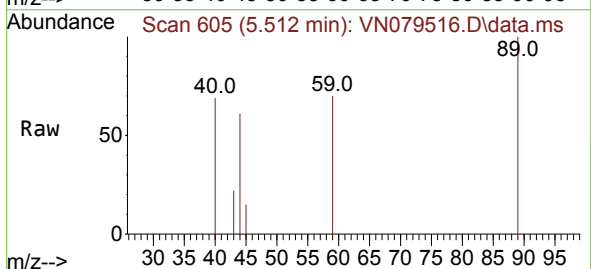
Instrument :
MSVOA_N
ClientSampleId :

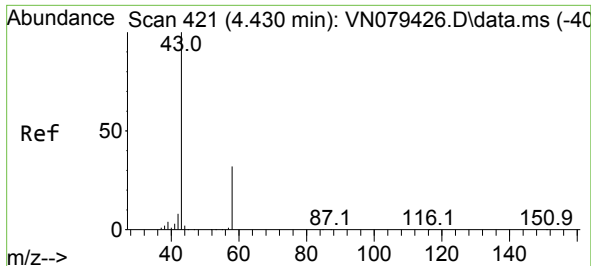
Tgt Ion: 94 Resp: 838
Ion Ratio Lower Upper
94 100
96 45.9 73.1 109.7#



#11
Tert butyl alcohol
Concen: 3.065 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.018 min
Lab File: VN079516.D
Acq: 11 Oct 2023 14:48

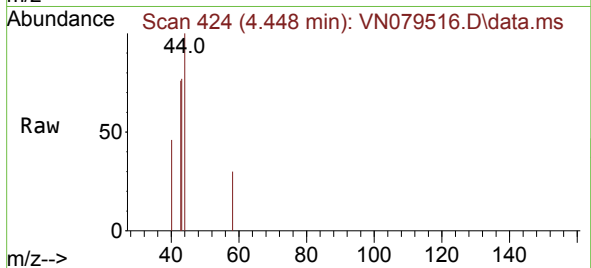
Tgt Ion: 59 Resp: 2129
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



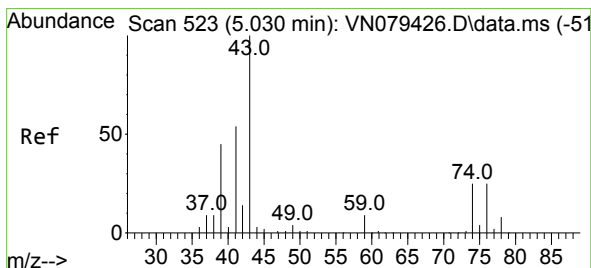
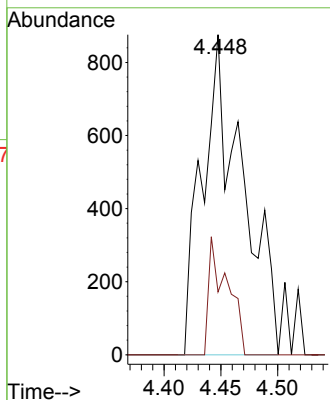
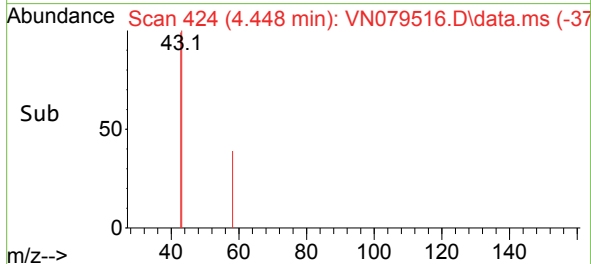


#16
Acetone
Concen: 1.182 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN079516.D
Acq: 11 Oct 2023 14:48

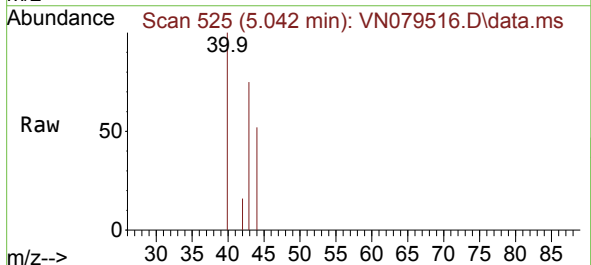
Instrument :
MSVOA_N
ClientSampleId :



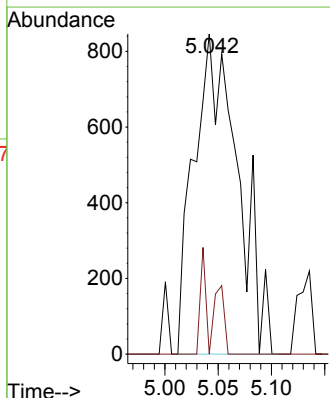
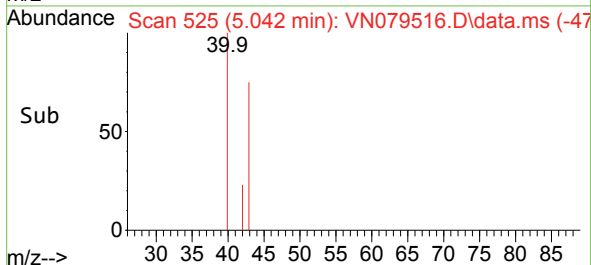
Tgt Ion: 43 Resp: 2163
Ion Ratio Lower Upper
43 100
58 19.6 28.0 42.0#

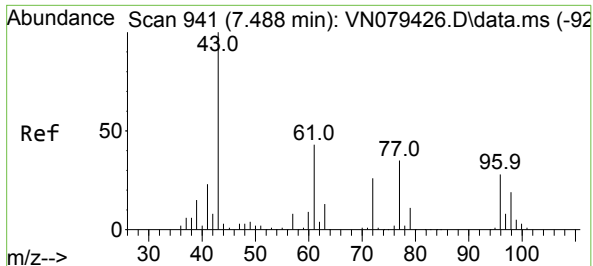


#18
Methyl Acetate
Concen: 0.271 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.012 min
Lab File: VN079516.D
Acq: 11 Oct 2023 14:48



Tgt Ion: 43 Resp: 2425
Ion Ratio Lower Upper
43 100
74 4.1 26.2 39.4#





#25

2-Butanone

Concen: 0.286 ug/l

RT: 7.447 min Scan# 91

Delta R.T. -0.041 min

Lab File: VN079516.D

Acq: 11 Oct 2023 14:48

Instrument :

MSVOA_N

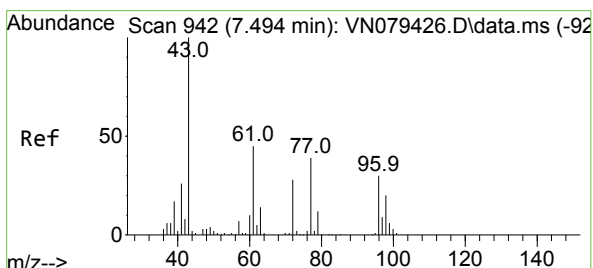
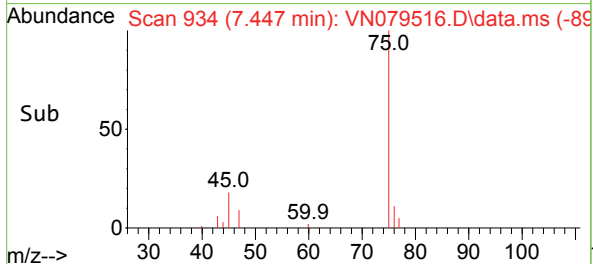
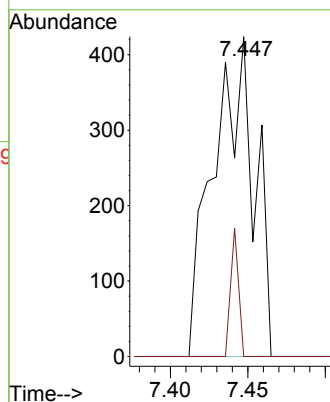
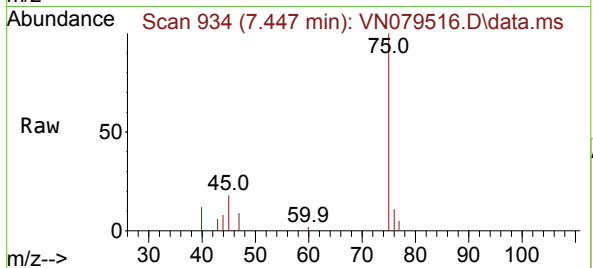
ClientSampleId :

Tgt Ion: 43 Resp: 776

Ion Ratio Lower Upper

43 100

72 0.0 30.2 45.2#



#26

2,2-Dichloropropane

Concen: 0.218 ug/l

RT: 7.441 min Scan# 933

Delta R.T. -0.053 min

Lab File: VN079516.D

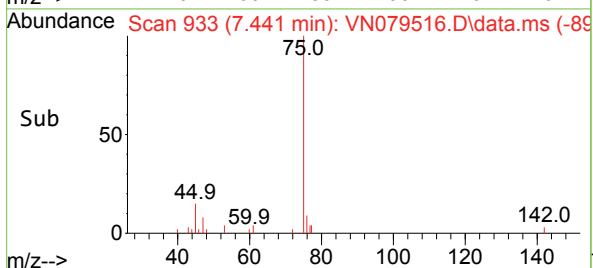
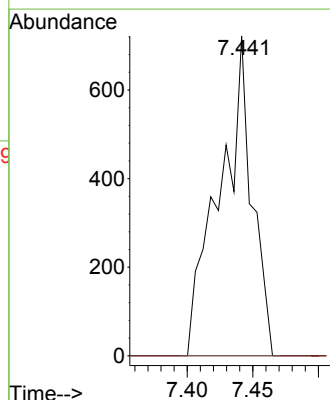
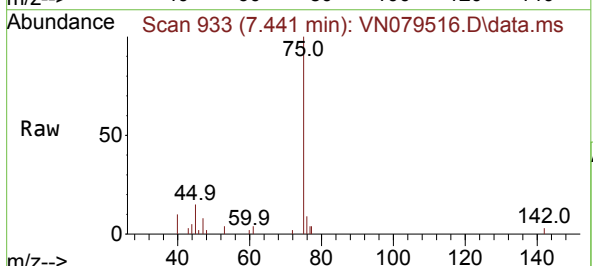
Acq: 11 Oct 2023 14:48

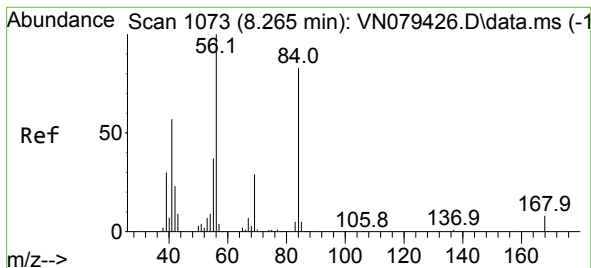
Tgt Ion: 77 Resp: 1241

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.6#





#31

Cyclohexane

Concen: 1.080 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

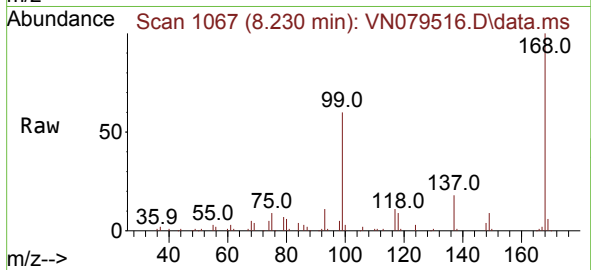
Lab File: VN079516.D

Acq: 11 Oct 2023 14:48

Instrument :

MSVOA_N

ClientSampleId :



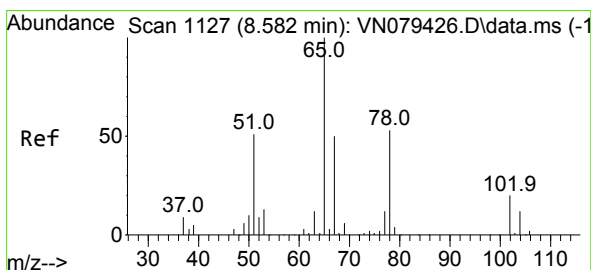
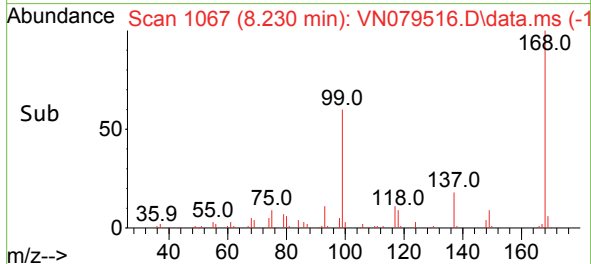
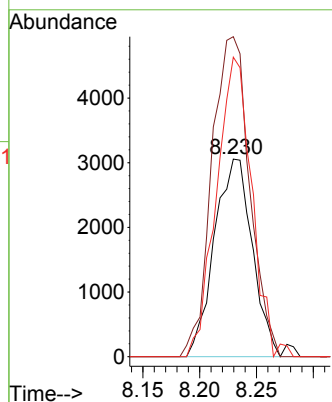
Tgt Ion: 56 Resp: 7072

Ion Ratio Lower Upper

56 100

69 161.9 26.8 40.2#

84 151.5 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 49.886 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079516.D

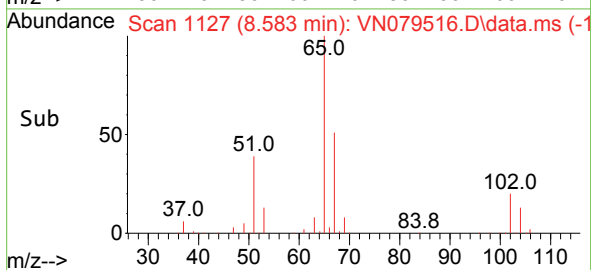
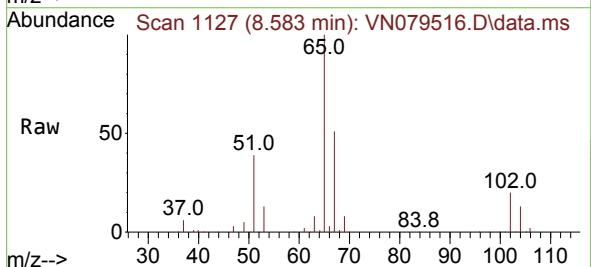
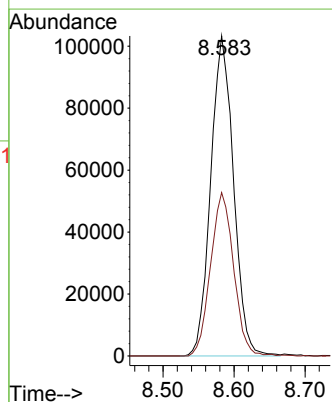
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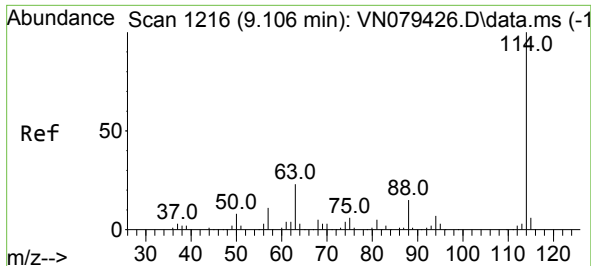
Tgt Ion: 65 Resp: 230236

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.6

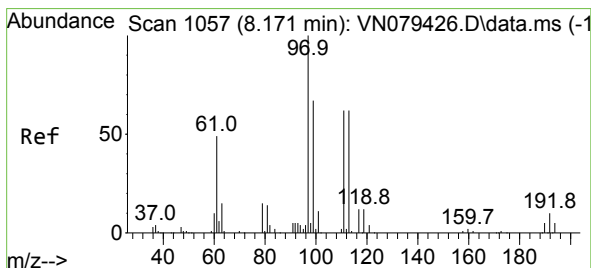
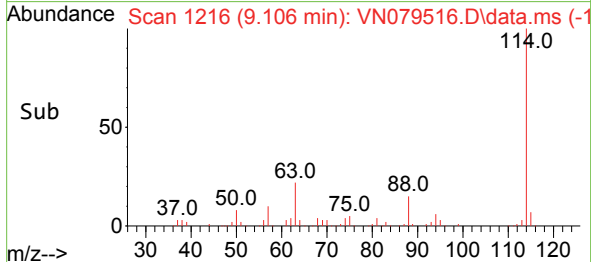
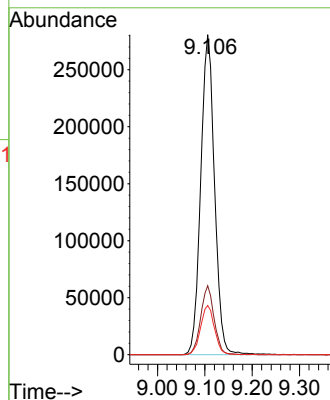
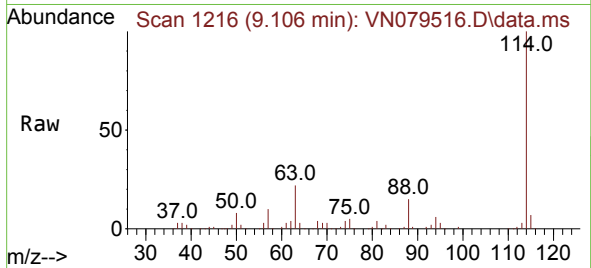




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079516.D
Acq: 11 Oct 2023 14:48

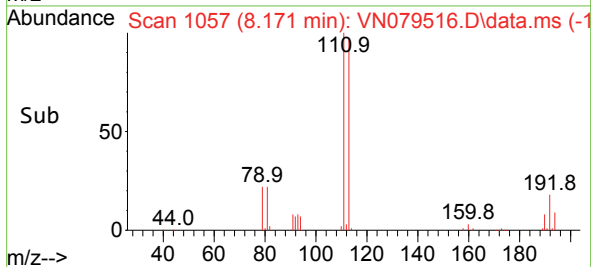
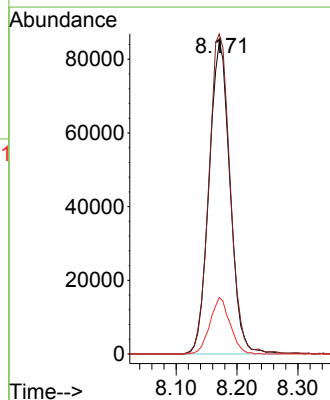
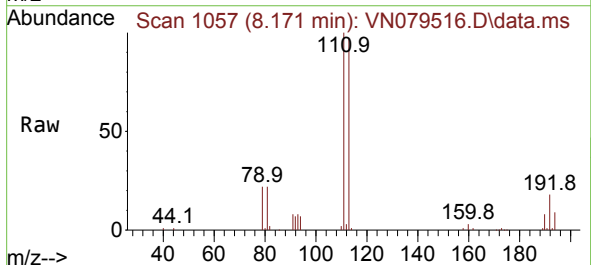
Instrument :
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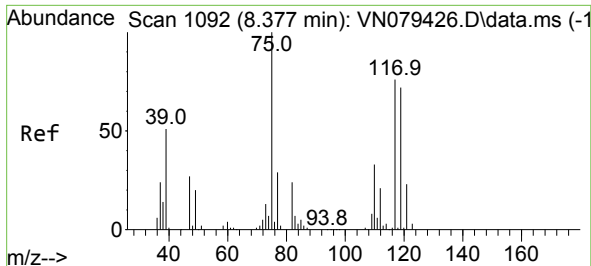
Tgt Ion:114 Resp: 567695
Ion Ratio Lower Upper
114 100
63 21.6 0.0 36.4
88 15.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.718 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079516.D
Acq: 11 Oct 2023 14:48

Tgt Ion:113 Resp: 202831
Ion Ratio Lower Upper
113 100
111 103.6 82.6 123.8
192 17.3 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.200 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

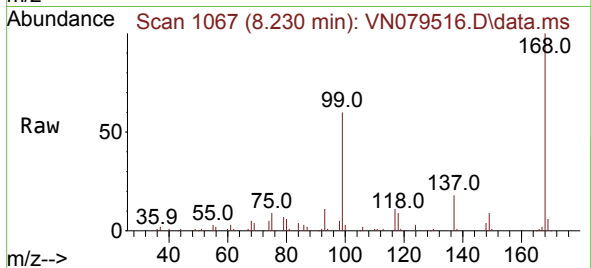
Lab File: VN079516.D

Acq: 11 Oct 2023 14:48

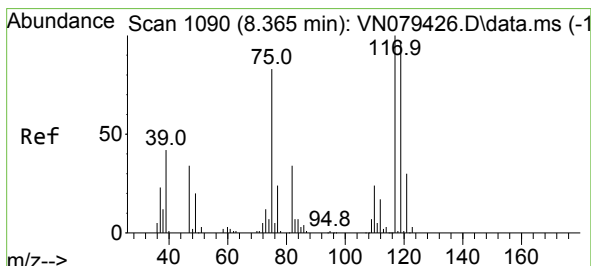
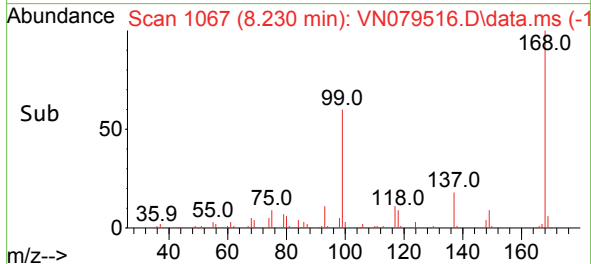
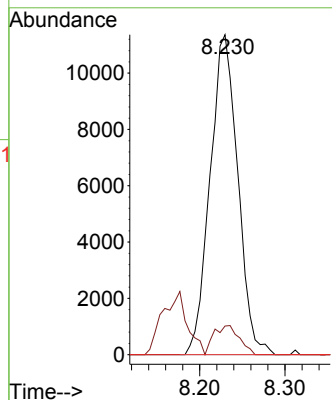
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 25714
Ion Ratio	Lower Upper
75	100
110	8.4 19.1 57.3#
77	0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.071 ug/l

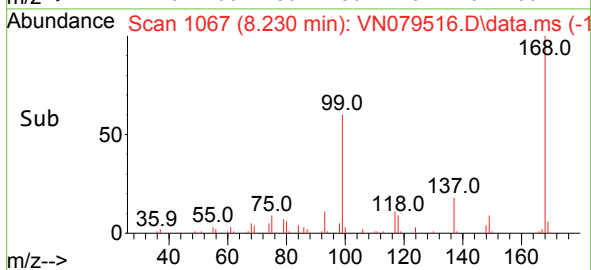
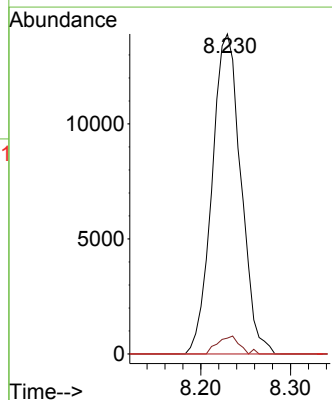
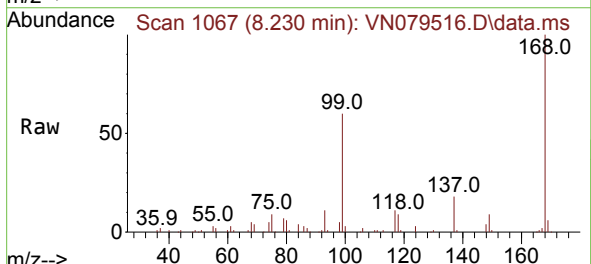
RT: 8.230 min Scan# 1067

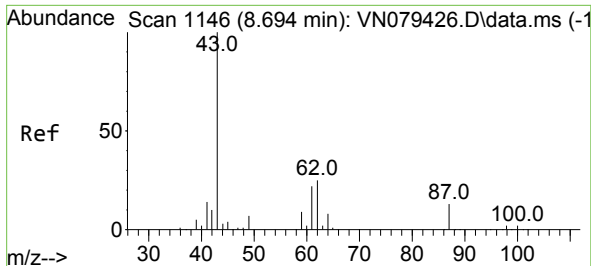
Delta R.T. -0.135 min

Lab File: VN079516.D

Acq: 11 Oct 2023 14:48

Tgt Ion: 117	Resp: 31081
Ion Ratio	Lower Upper
117	100
119	4.9 77.3 115.9#
121	0.0 23.3 34.9#

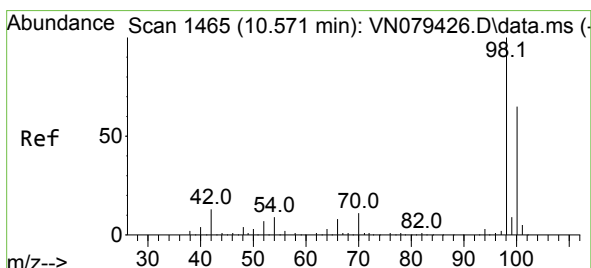
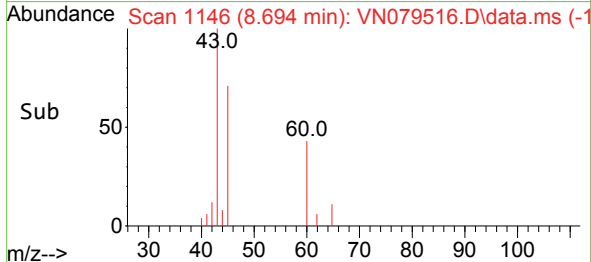
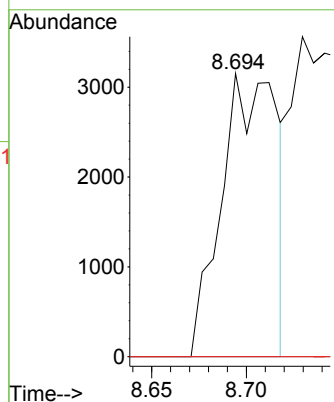
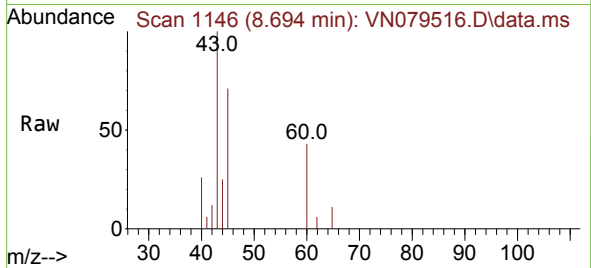




#43
Isopropyl Acetate
Concen: 0.604 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079516.D
Acq: 11 Oct 2023 14:48

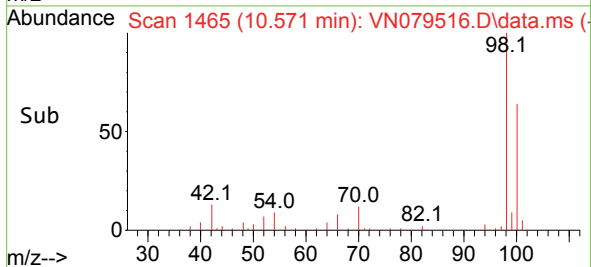
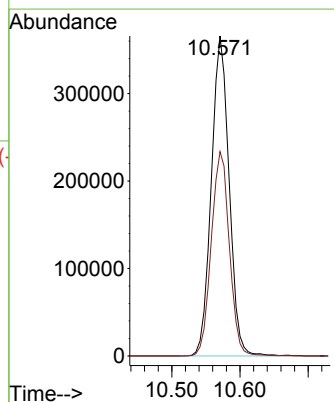
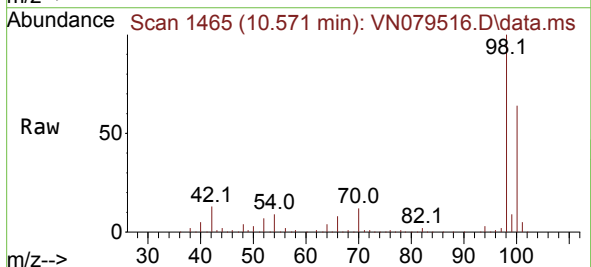
Instrument :
MSVOA_N
ClientSampleId :

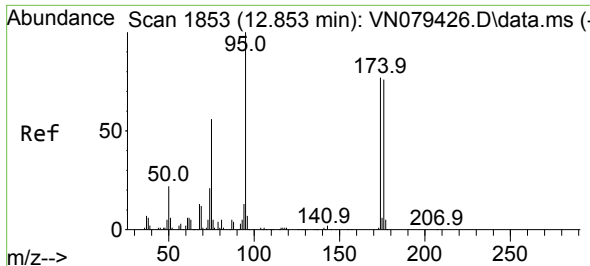
Tgt Ion: 43 Resp: 6452
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 45.016 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079516.D
Acq: 11 Oct 2023 14:48

Tgt Ion: 98 Resp: 664500
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0

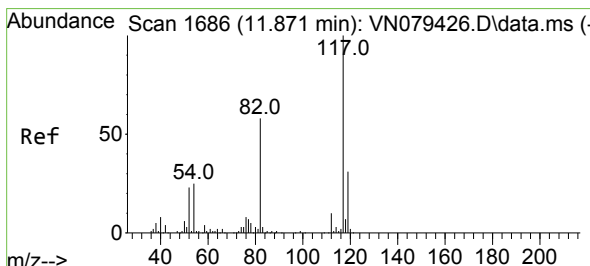
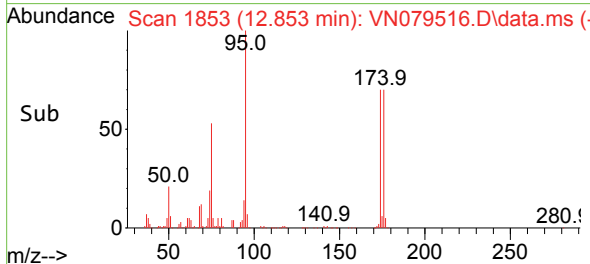
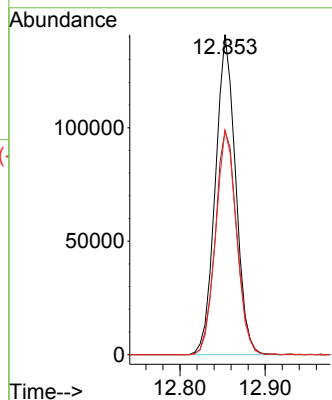
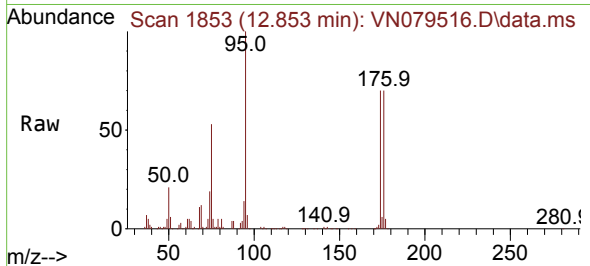




#62
4-Bromofluorobenzene
Concen: 49.036 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079516.D
Acq: 11 Oct 2023 14:48

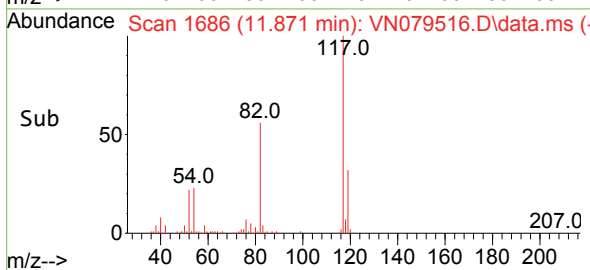
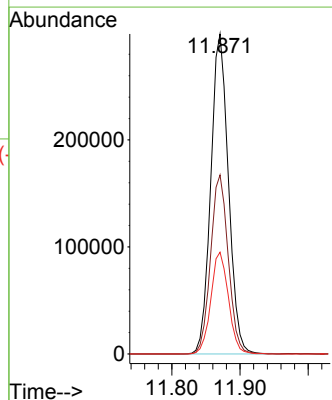
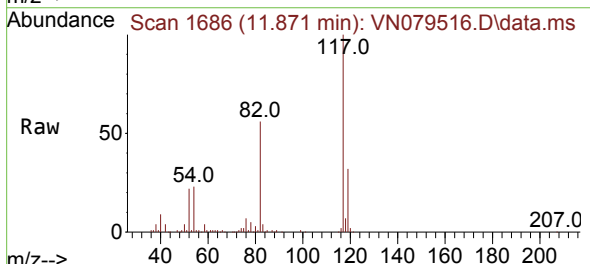
Instrument :
MSVOA_N
ClientSampleId :

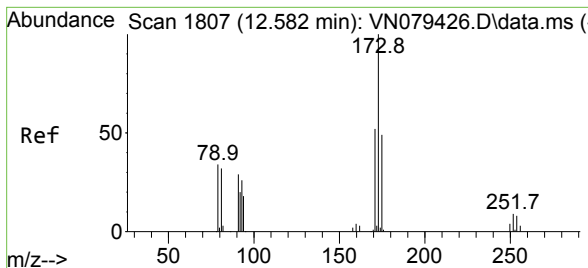
Tgt Ion: 95 Resp: 232296
Ion Ratio Lower Upper
95 100
174 74.3 0.0 143.8
176 71.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079516.D
Acq: 11 Oct 2023 14:48

Tgt Ion: 117 Resp: 538763
Ion Ratio Lower Upper
117 100
82 55.9 44.0 66.0
119 31.8 25.6 38.4





#71

Bromoform

Concen: 0.804 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

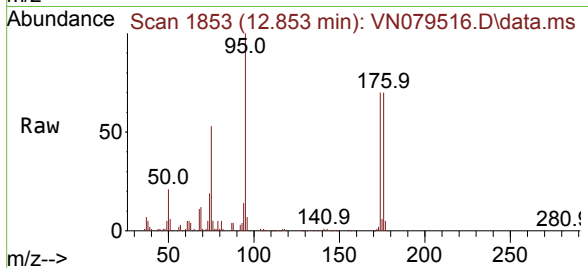
Lab File: VN079516.D

Acq: 11 Oct 2023 14:48

Instrument :

MSVOA_N

ClientSampleId :



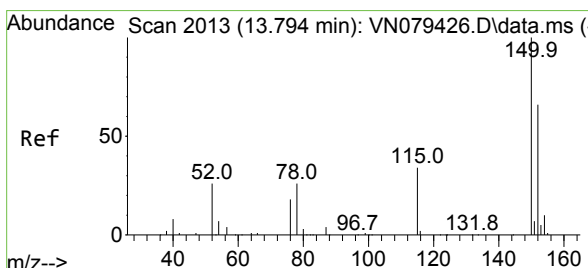
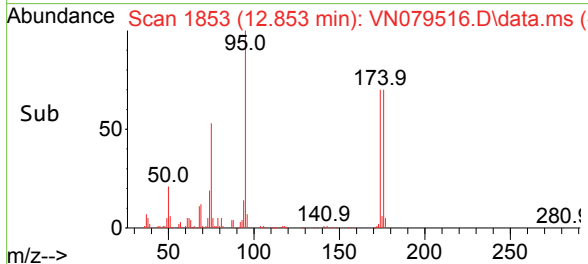
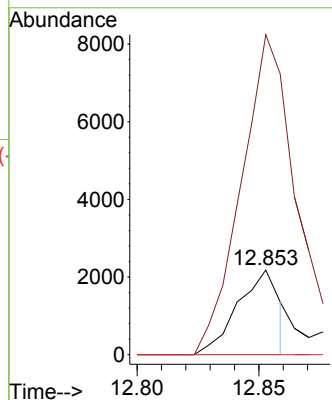
Tgt Ion:173 Resp: 2584

Ion Ratio Lower Upper

173 100

175 380.0 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: VN079516.D

Acq: 11 Oct 2023 14:48

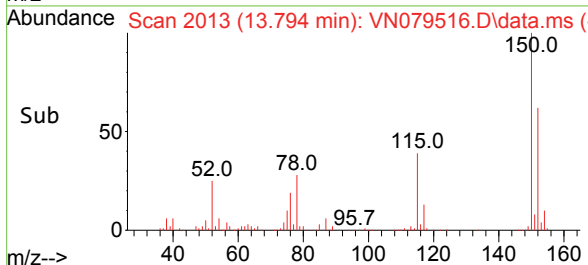
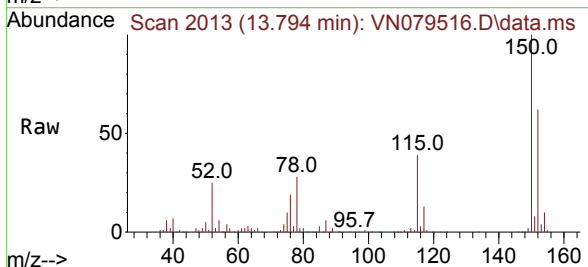
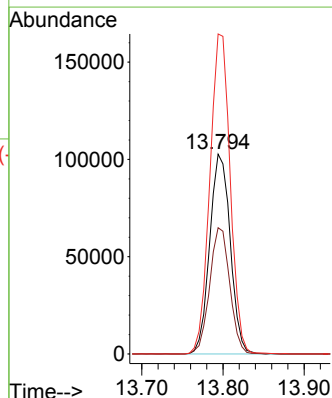
Tgt Ion:152 Resp: 180580

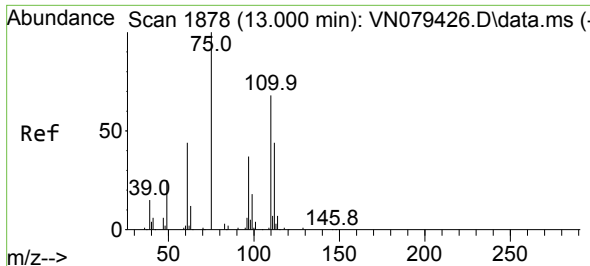
Ion Ratio Lower Upper

152 100

115 62.0 32.3 96.8

150 158.4 0.0 355.8

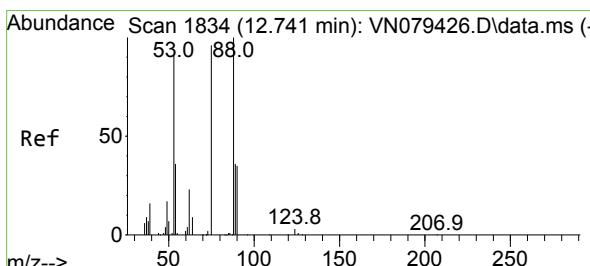
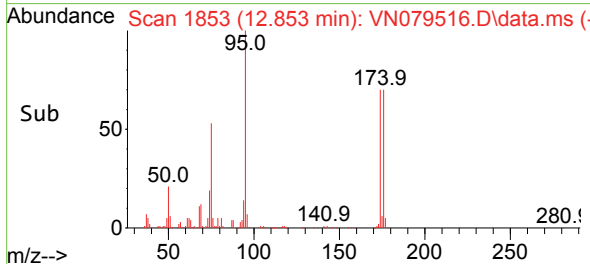
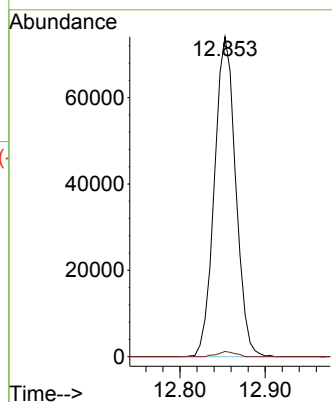
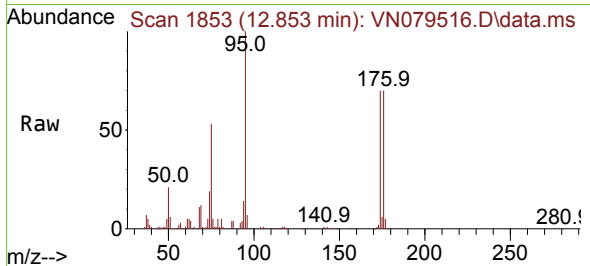




#76
1,2,3-Trichloropropane
Concen: 24.680 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079516.D
Acq: 11 Oct 2023 14:48

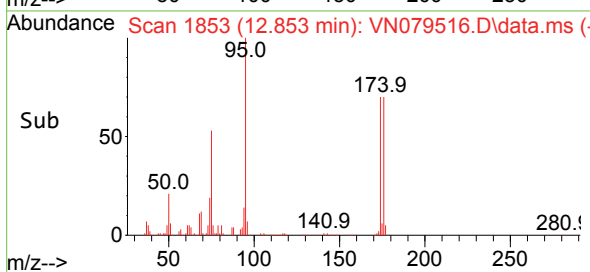
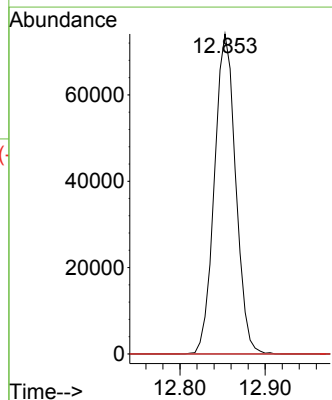
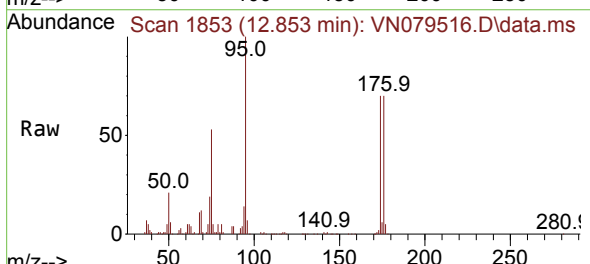
Instrument :
MSVOA_N
ClientSampleId :

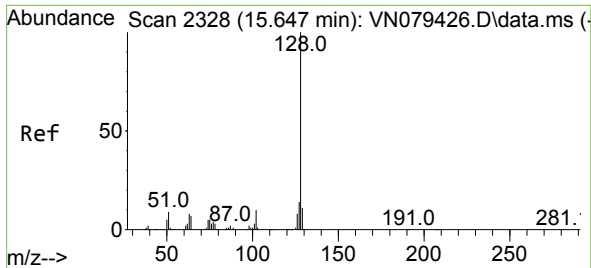
Tgt Ion: 75 Resp: 128498
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.609 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079516.D
Acq: 11 Oct 2023 14:48

Tgt Ion: 75 Resp: 128498
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#95

Naphthalene

Concen: 2.695 ug/l

RT: 15.647 min Scan# 21

Delta R.T. -0.000 min

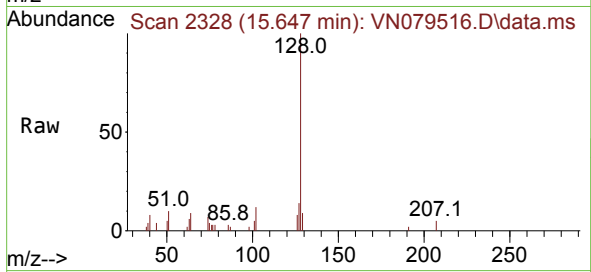
Lab File: VN079516.D

Acq: 11 Oct 2023 14:48

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 16245

Ion Ratio Lower Upper

128 100

127 13.0 10.0 15.0

129 9.6 8.7 13.1

