

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110623\
 Data File : VN079942.D
 Acq On : 07 Nov 2023 03:19
 Operator : JC\MD
 Sample : VN1106WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 07 04:57:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

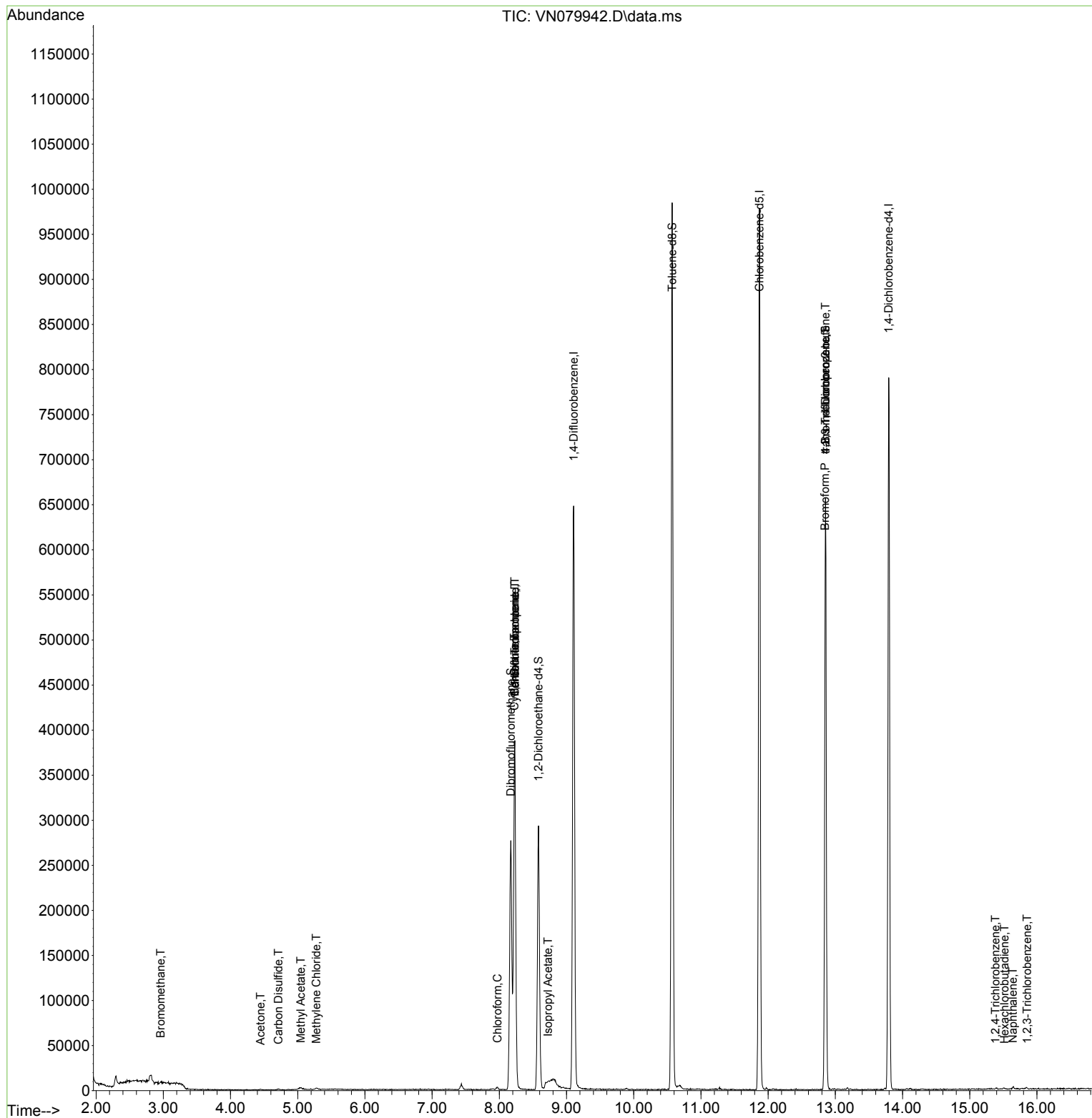
Internal Standards						
1) Pentafluorobenzene	8.230	168	263830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	544100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	547914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	206611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	231603	57.619	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.240%
35) Dibromofluoromethane	8.171	113	196654	51.067	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.140%
50) Toluene-d8	10.571	98	654475	46.166	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.340%
62) 4-Bromofluorobenzene	12.853	95	218898	46.557	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.120%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1246	Below Cal		93
5) Bromomethane	2.959	94	996	0.394	ug/l	91
16) Acetone	4.448	43	490	0.347	ug/l #	40
17) Carbon Disulfide	4.712	76	1752	0.214	ug/l #	75
18) Methyl Acetate	5.048	43	4460	0.660	ug/l #	42
20) Methylene Chloride	5.277	84	859	0.241	ug/l #	47
30) Chloroform	7.971	83	2310	0.347	ug/l	90
31) Cyclohexane	8.224	56	7099	1.337	ug/l #	37
36) 1,1-Dichloropropene	8.230	75	25446	4.628	ug/l #	47
38) Carbon Tetrachloride	8.230	117	28803	5.198	ug/l #	16
43) Isopropyl Acetate	8.724	43	8443	0.955	ug/l #	49
71) Bromoform	12.847	173	1293	0.425	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	120478	24.838	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	120478	67.577	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.382	180	769	0.240	ug/l #	14
94) Hexachlorobutadiene	15.517	225	506	0.348	ug/l #	60
95) Naphthalene	15.641	128	2555	0.235	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.853	180	892	0.284	ug/l #	37

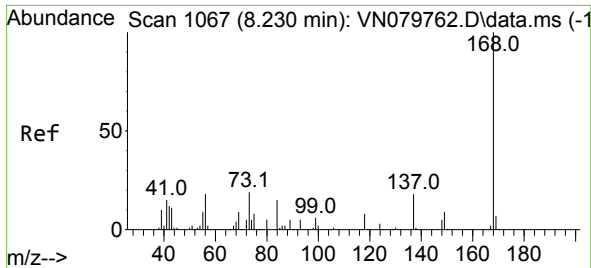
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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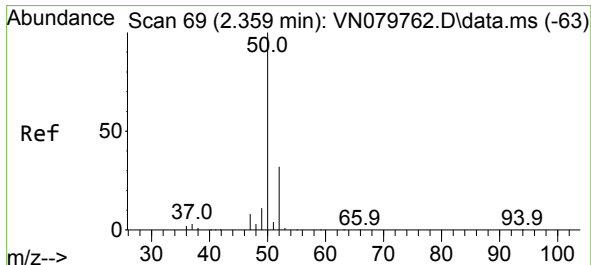
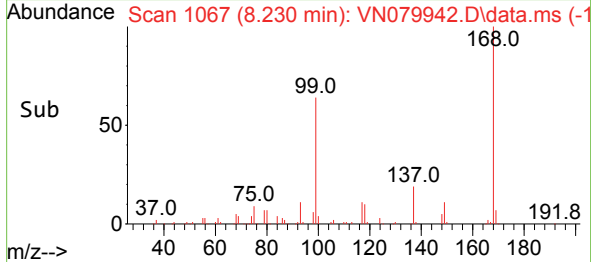
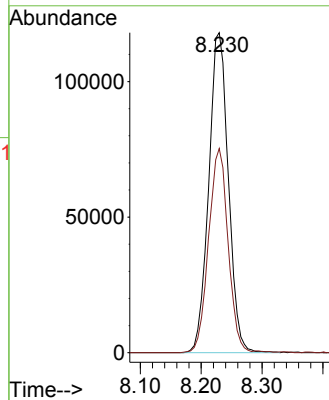
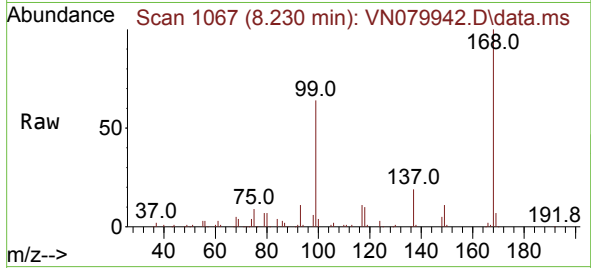




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN079942.D
Acq: 07 Nov 2023 03:19

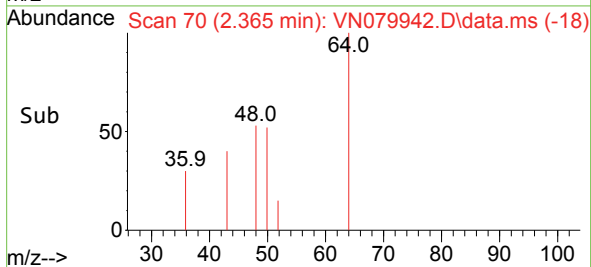
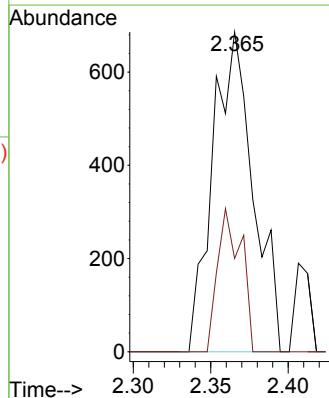
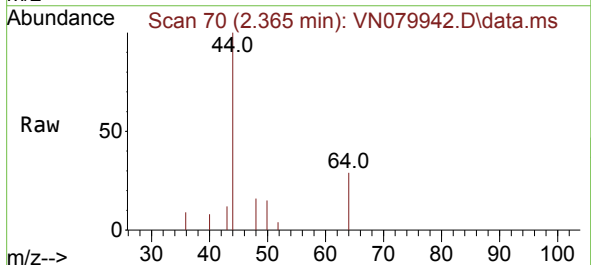
Instrument :
MSVOA_N
ClientSampleId :

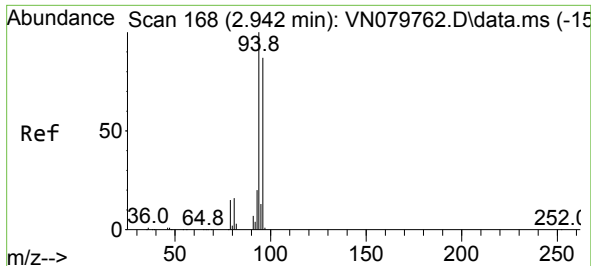
Tgt Ion:168 Resp: 263830
Ion Ratio Lower Upper
168 100
99 63.8 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN079942.D
Acq: 07 Nov 2023 03:19

Tgt Ion: 50 Resp: 1246
Ion Ratio Lower Upper
50 100
52 29.2 26.5 39.7

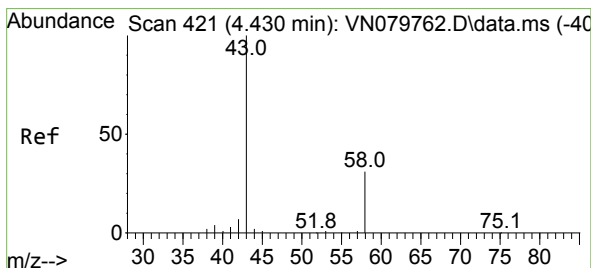
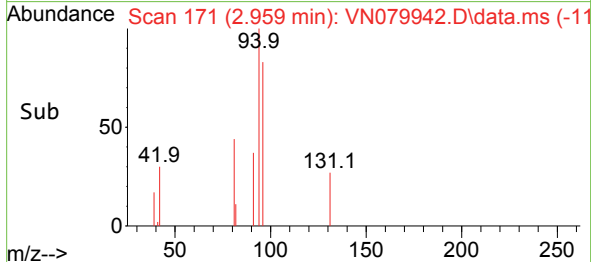
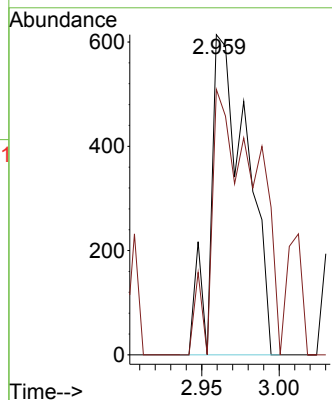
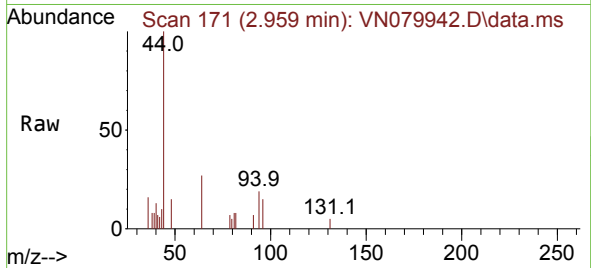




#5
Bromomethane
Concen: 0.394 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079942.D
Acq: 07 Nov 2023 03:19

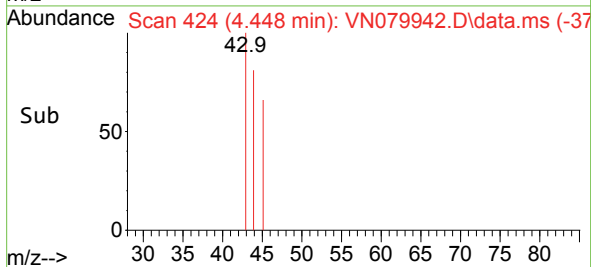
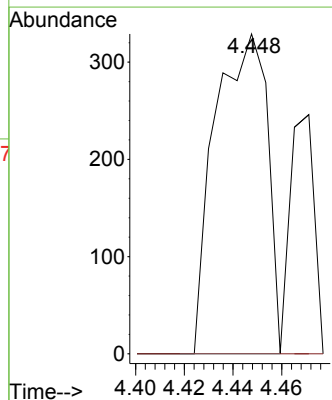
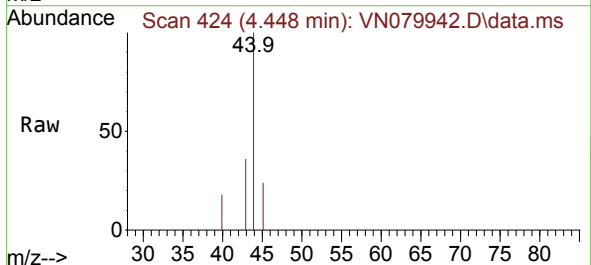
Instrument :
MSVOA_N
ClientSampleId :

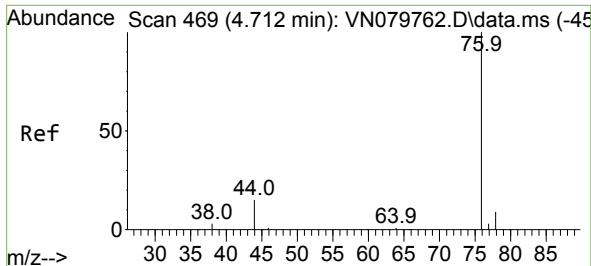
Tgt Ion: 94 Resp: 996
Ion Ratio Lower Upper
94 100
96 82.9 73.1 109.7



#16
Acetone
Concen: 0.347 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN079942.D
Acq: 07 Nov 2023 03:19

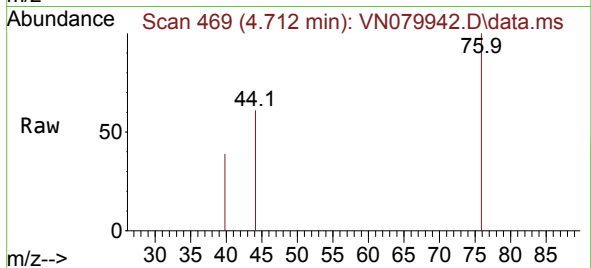
Tgt Ion: 43 Resp: 490
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



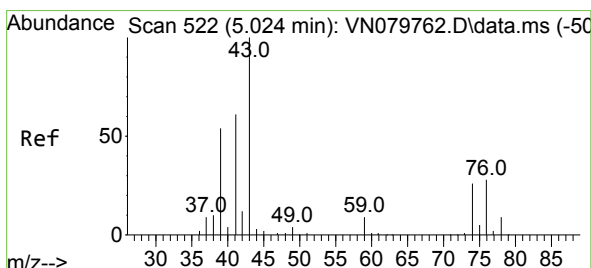
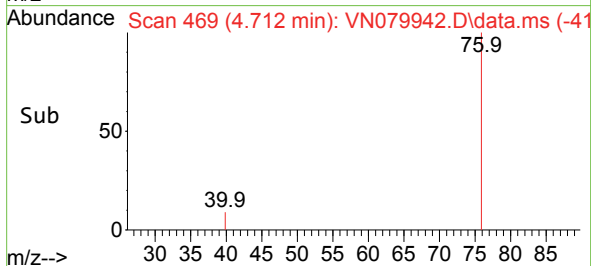
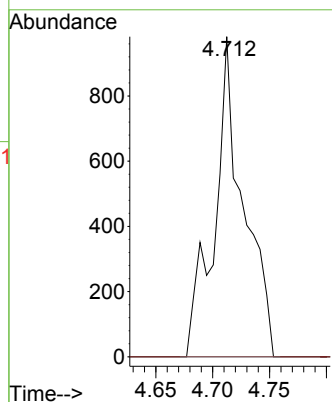


#17
Carbon Disulfide
Concen: 0.214 ug/l
RT: 4.712 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN079942.D
Acq: 07 Nov 2023 03:19

Instrument :
MSVOA_N
ClientSampleId :

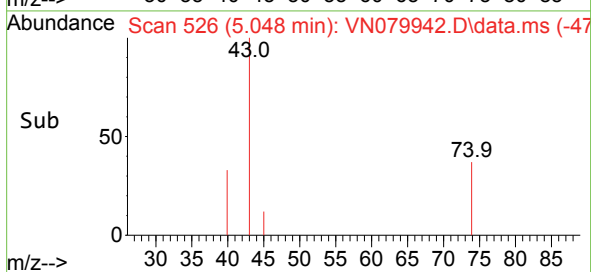
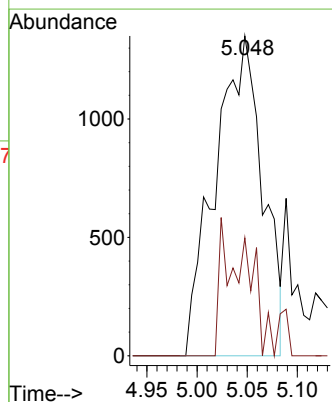
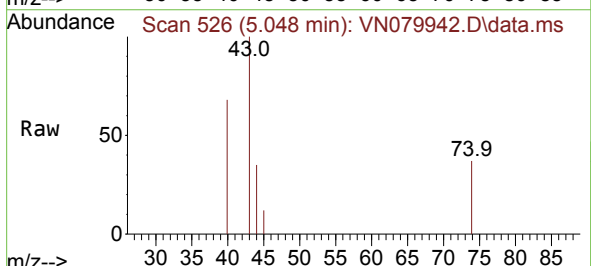


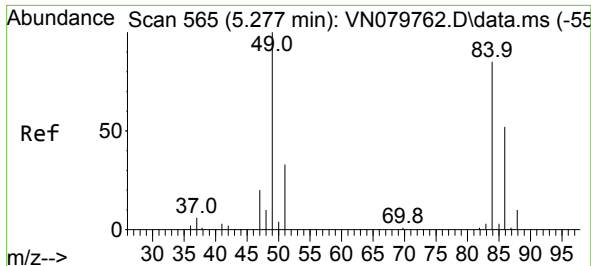
Tgt Ion: 76 Resp: 1752
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.660 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.024 min
Lab File: VN079942.D
Acq: 07 Nov 2023 03:19

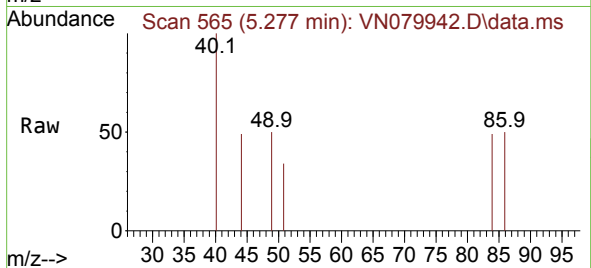
Tgt Ion: 43 Resp: 4460
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



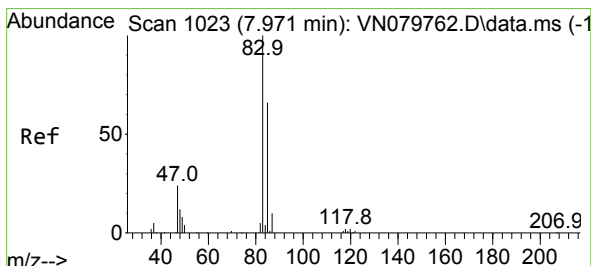
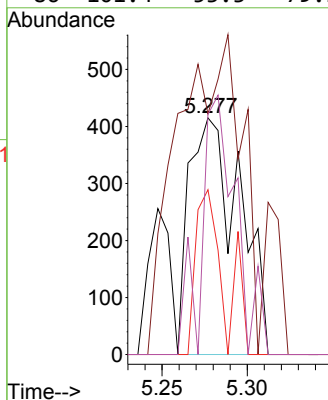
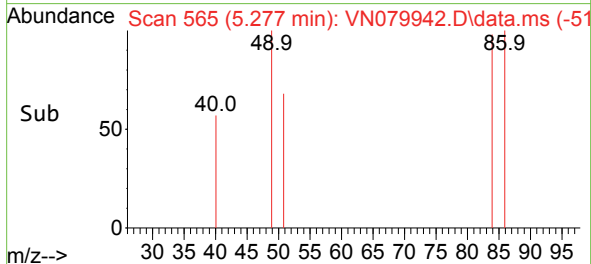


#20
Methylene Chloride
Concen: 0.241 ug/l
RT: 5.277 min Scan# 50
Delta R.T. 0.006 min
Lab File: VN079942.D
Acq: 07 Nov 2023 03:19

Instrument :
MSVOA_N
ClientSampleId :

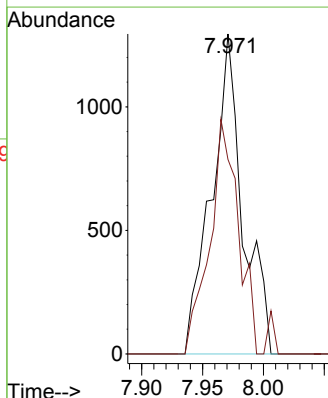
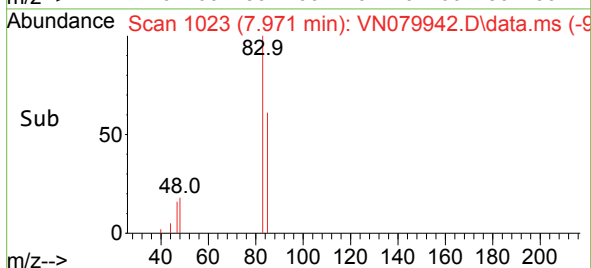
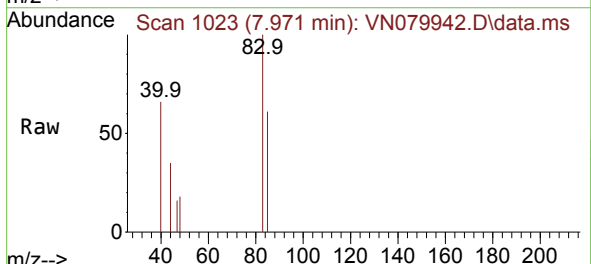


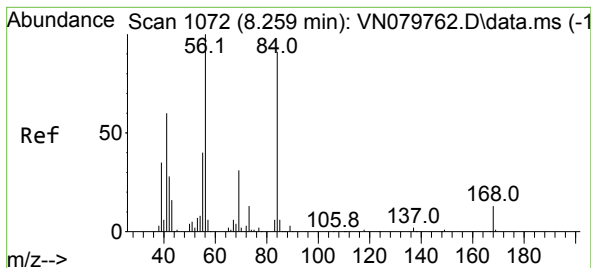
Tgt Ion:	84	Resp:	859
Ion	Ratio	Lower	Upper
84	100		
49	44.6	79.7	119.5#
51	69.6	25.2	37.8#
86	101.4	53.3	79.9#



#30
Chloroform
Concen: 0.347 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.000 min
Lab File: VN079942.D
Acq: 07 Nov 2023 03:19

Tgt Ion:	83	Resp:	2310
Ion	Ratio	Lower	Upper
83	100		
85	60.8	55.4	83.0





#31

Cyclohexane

Concen: 1.337 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

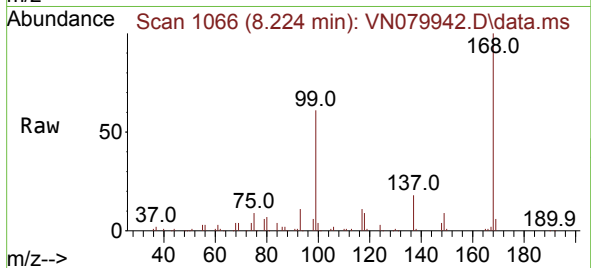
Lab File: VN079942.D

Acq: 07 Nov 2023 03:19

Instrument :

MSVOA_N

ClientSampleId :



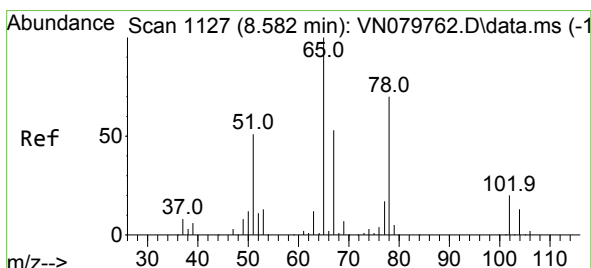
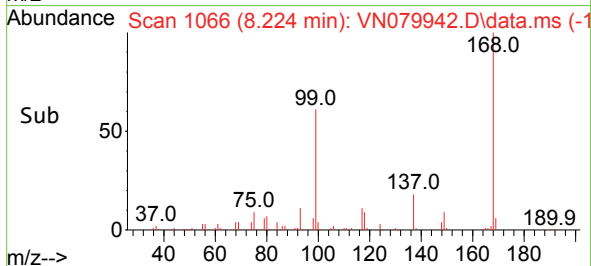
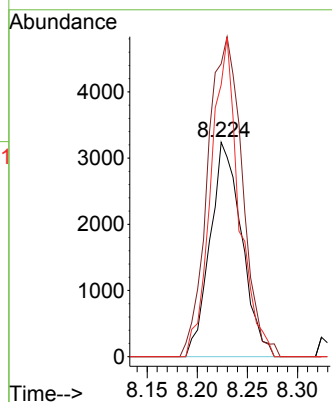
Tgt Ion: 56 Resp: 7099

Ion Ratio Lower Upper

56 100

69 136.5 26.8 40.2#

84 126.8 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 57.619 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079942.D

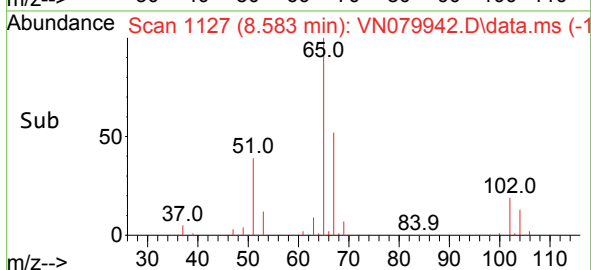
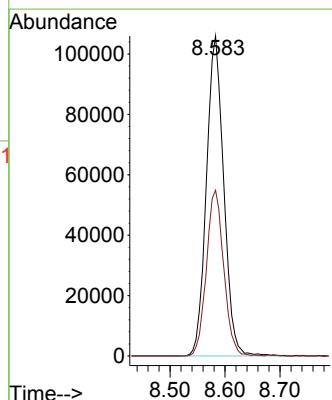
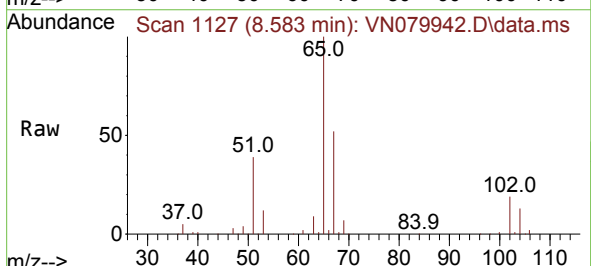
Acq: 07 Nov 2023 03:19

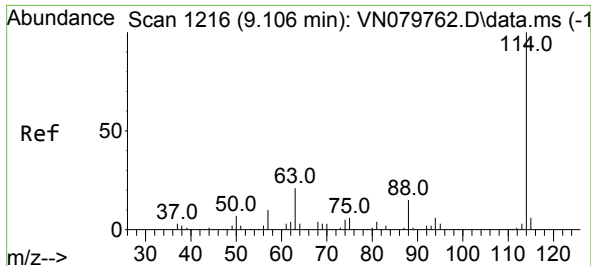
Tgt Ion: 65 Resp: 231603

Ion Ratio Lower Upper

65 100

67 51.8 0.0 106.6

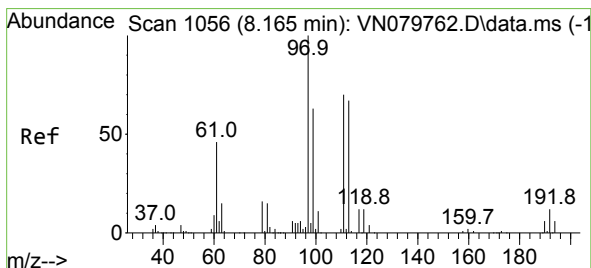
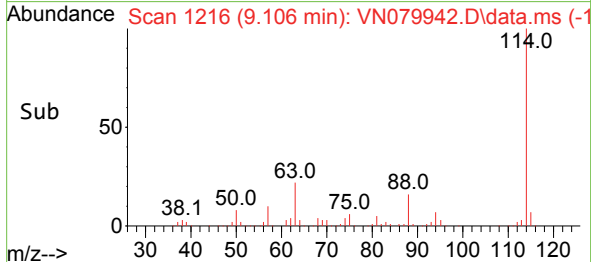
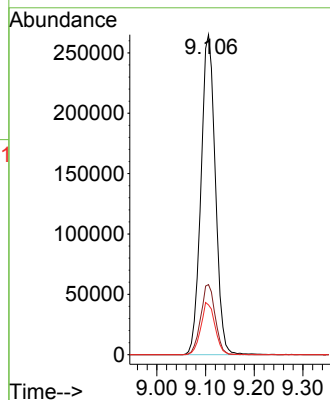
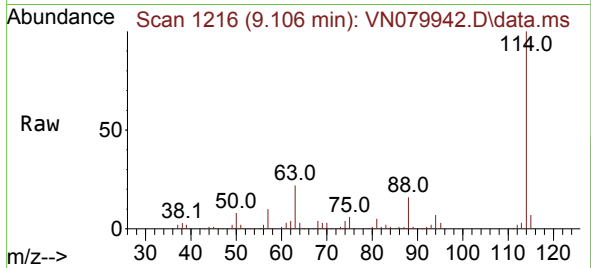




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079942.D
Acq: 07 Nov 2023 03:19

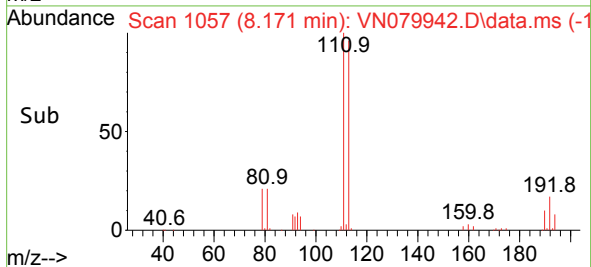
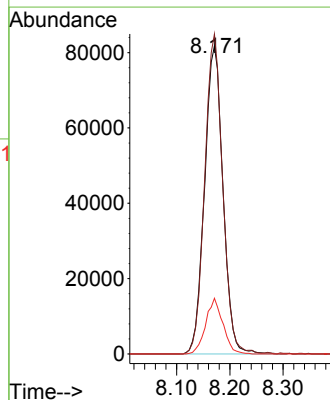
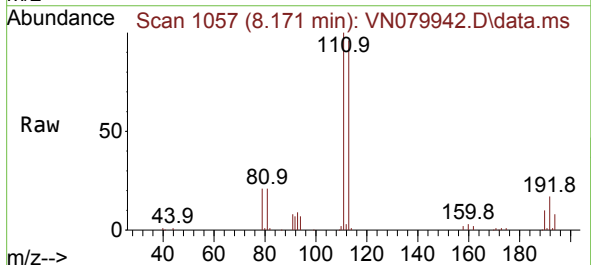
Instrument :
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ClientSampleId :

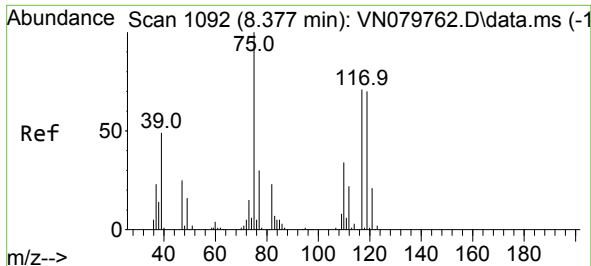
Tgt Ion:114 Resp: 544100
Ion Ratio Lower Upper
114 100
63 21.9 0.0 36.4
88 15.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.067 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079942.D
Acq: 07 Nov 2023 03:19

Tgt Ion:113 Resp: 196654
Ion Ratio Lower Upper
113 100
111 101.2 82.6 123.8
192 16.9 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.628 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

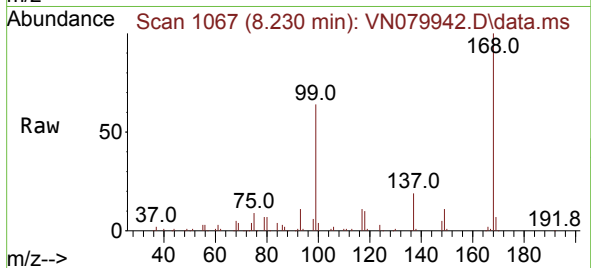
Lab File: VN079942.D

Acq: 07 Nov 2023 03:19

Instrument :

MSVOA_N

ClientSampleId :



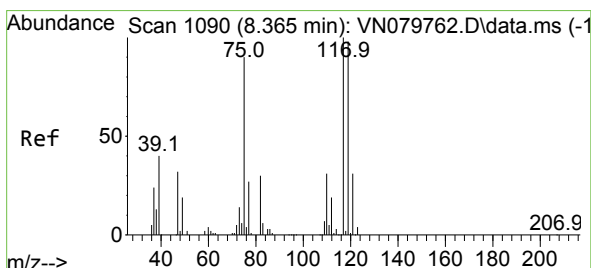
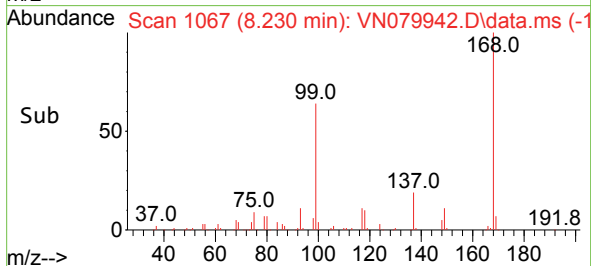
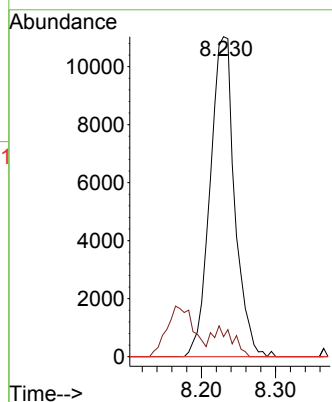
Tgt Ion: 75 Resp: 25446

Ion Ratio Lower Upper

75 100

110 8.0 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.198 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.129 min

Lab File: VN079942.D

Acq: 07 Nov 2023 03:19

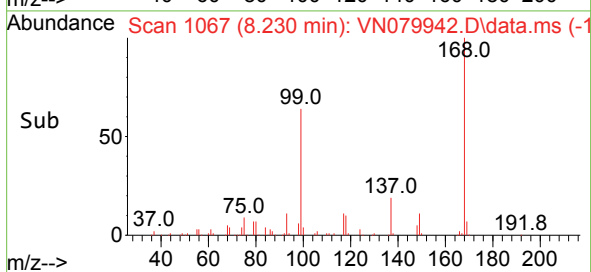
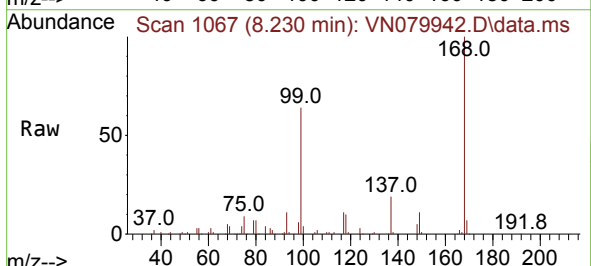
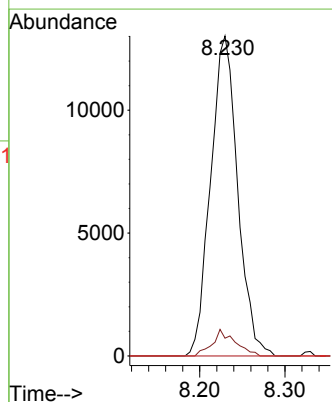
Tgt Ion: 117 Resp: 28803

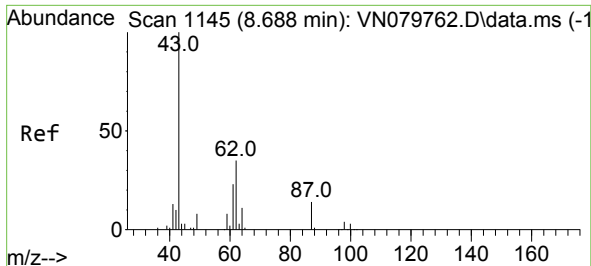
Ion Ratio Lower Upper

117 100

119 5.5 77.3 115.9#

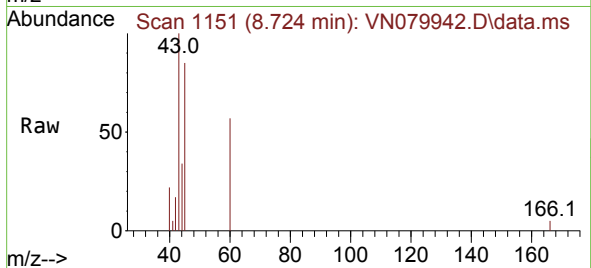
121 0.0 23.3 34.9#



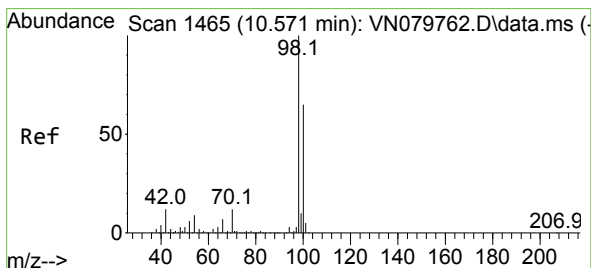
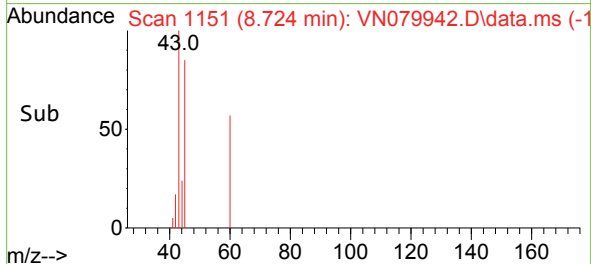
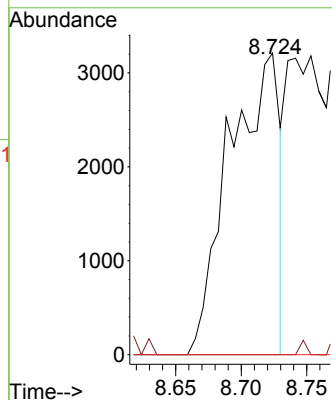


#43
Isopropyl Acetate
Concen: 0.955 ug/l
RT: 8.724 min Scan# 1145
Delta R.T. 0.036 min
Lab File: VN079942.D
Acq: 07 Nov 2023 03:19

Instrument :
MSVOA_N
ClientSampleId :

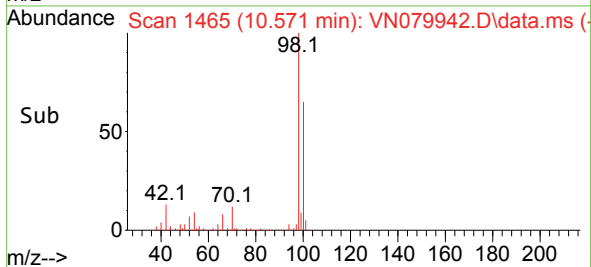
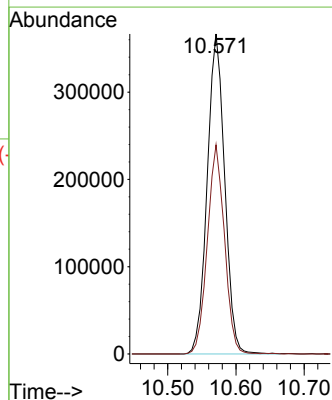
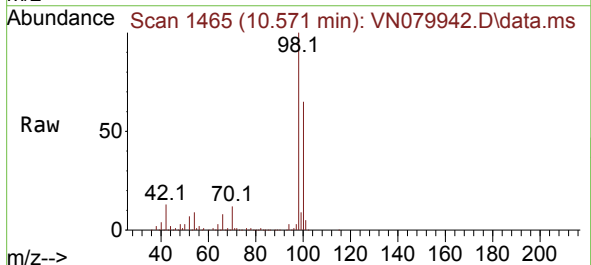


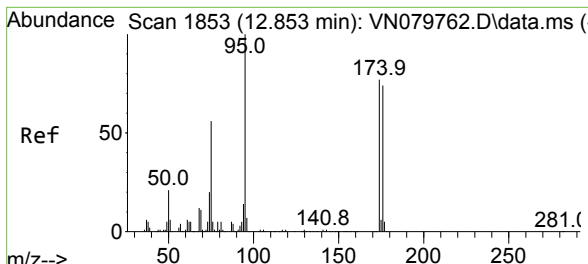
Tgt Ion: 43 Resp: 8443
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 46.166 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079942.D
Acq: 07 Nov 2023 03:19

Tgt Ion: 98 Resp: 654475
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0

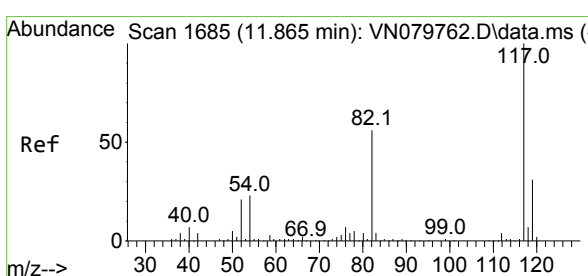
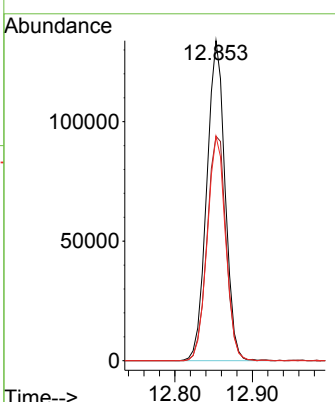
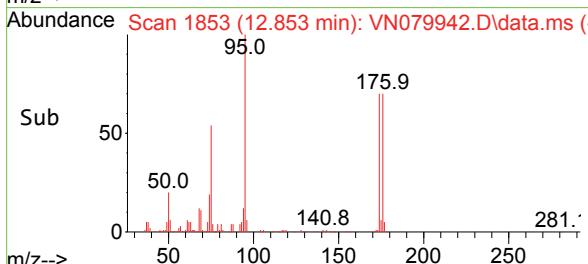
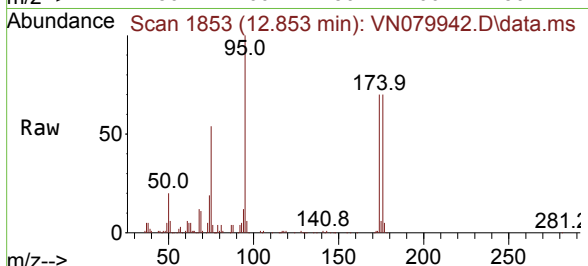




#62
 4-Bromofluorobenzene
 Concen: 46.557 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN079942.D
 Acq: 07 Nov 2023 03:19

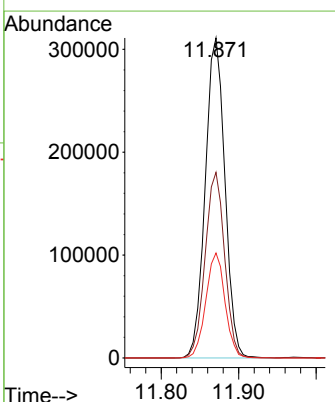
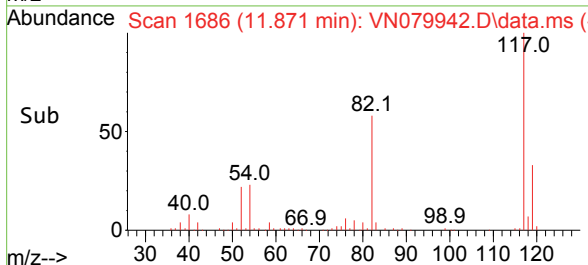
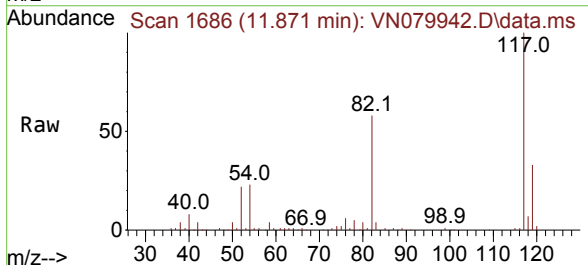
Instrument :
 MSVOA_N
 ClientSampleId :

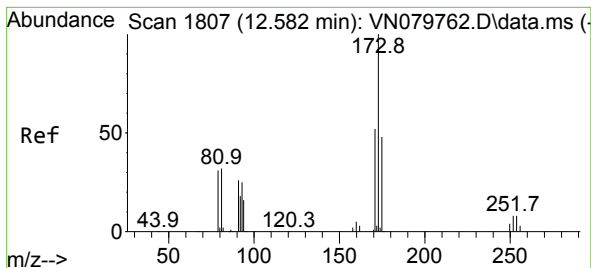
Tgt Ion:	95	Resp:	218898
Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	143.8
176	70.5	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. 0.000 min
 Lab File: VN079942.D
 Acq: 07 Nov 2023 03:19

Tgt Ion:	117	Resp:	547914
Ion	Ratio	Lower	Upper
117	100		
82	58.0	44.0	66.0
119	32.8	25.6	38.4





#71

Bromoform

Concen: 0.425 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

Lab File: VN079942.D

Acq: 07 Nov 2023 03:19

Instrument :

MSVOA_N

ClientSampleId :

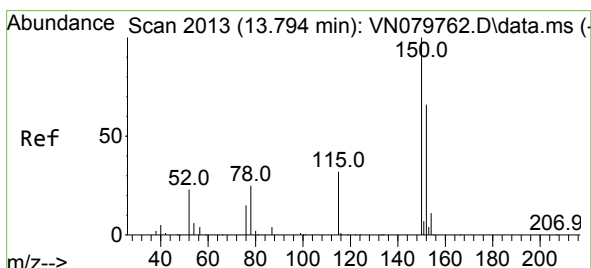
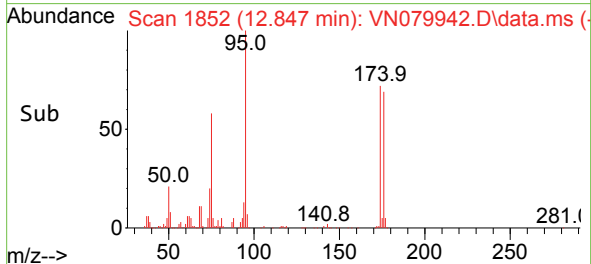
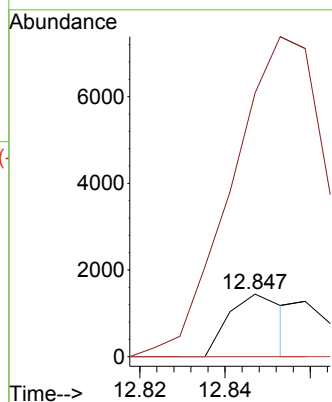
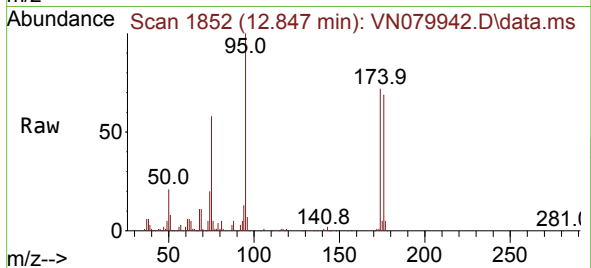
Tgt Ion:173 Resp: 1293

Ion Ratio Lower Upper

173 100

175 740.8 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: VN079942.D

Acq: 07 Nov 2023 03:19

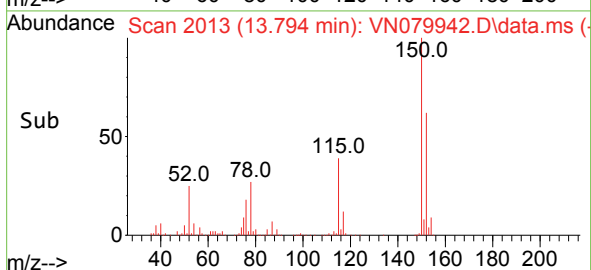
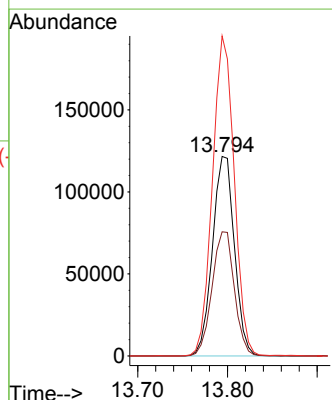
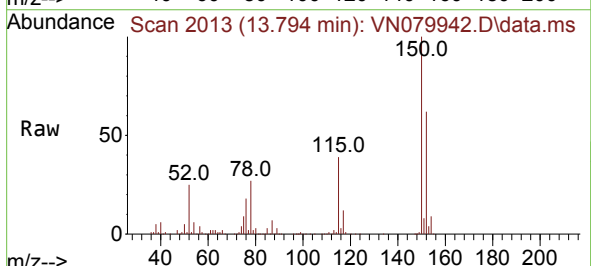
Tgt Ion:152 Resp: 206611

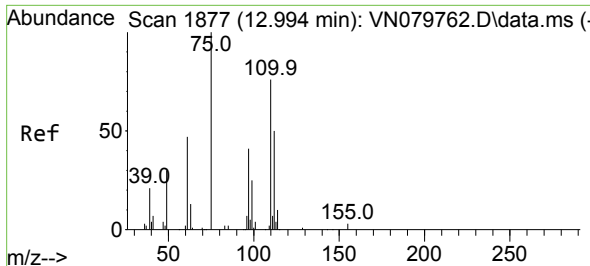
Ion Ratio Lower Upper

152 100

115 63.2 32.3 96.8

150 158.8 0.0 355.8

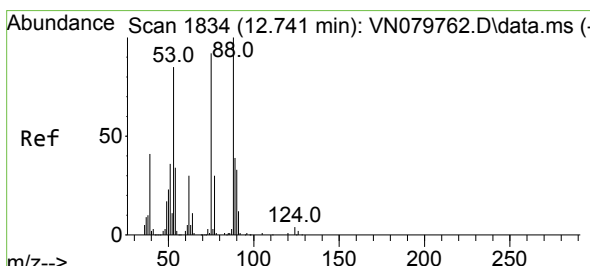
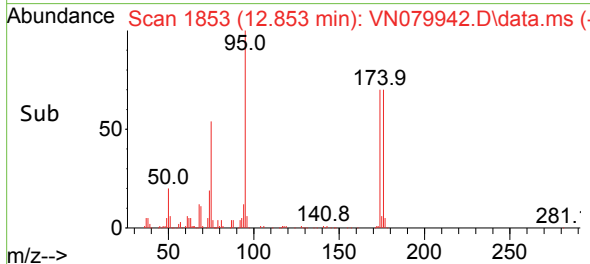
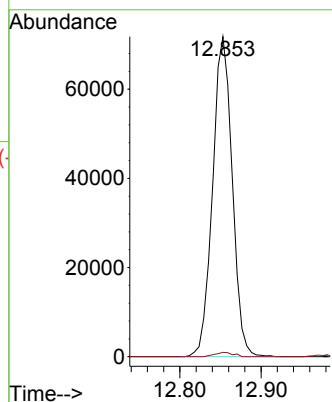
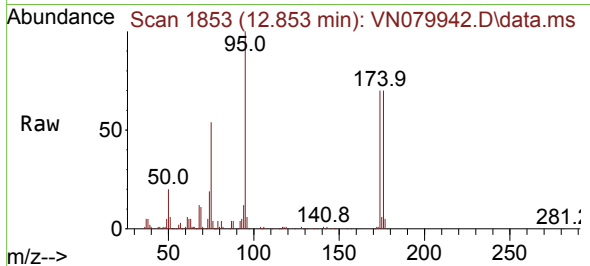




#76
1,2,3-Trichloropropane
Concen: 24.838 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079942.D
Acq: 07 Nov 2023 03:19

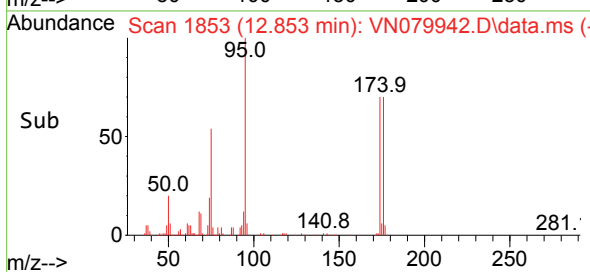
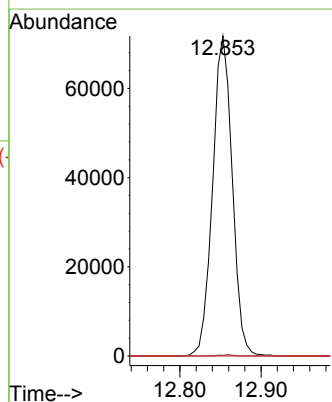
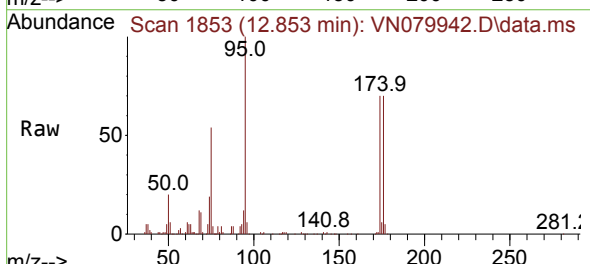
Instrument :
MSVOA_N
ClientSampleId :

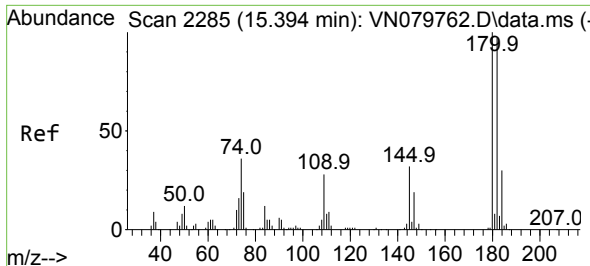
Tgt Ion: 75 Resp: 120478
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.577 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079942.D
Acq: 07 Nov 2023 03:19

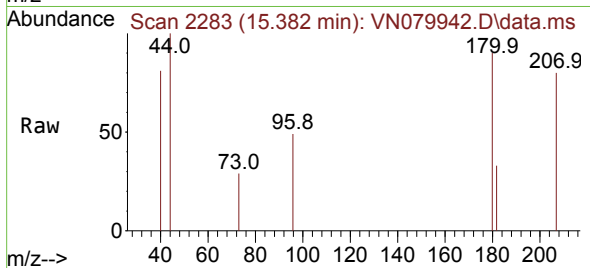
Tgt Ion: 75 Resp: 120478
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#



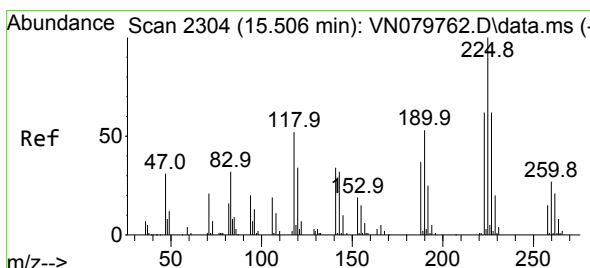
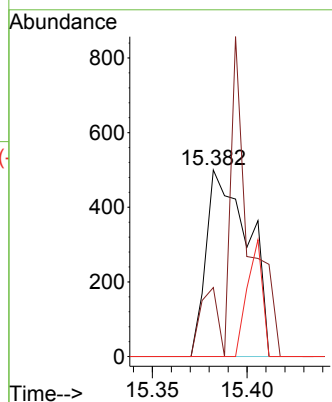
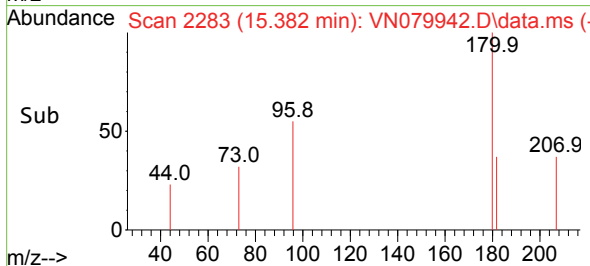


#93
 1,2,4-Trichlorobenzene
 Concen: 0.240 ug/l
 RT: 15.382 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VN079942.D
 Acq: 07 Nov 2023 03:19

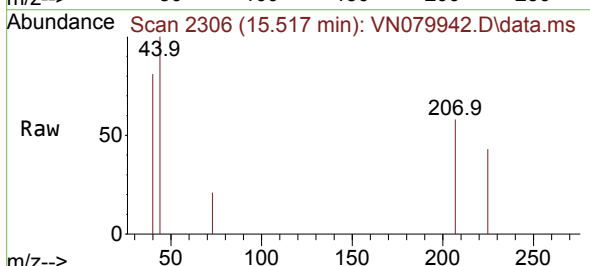
Instrument :
 MSVOA_N
 ClientSampleId :



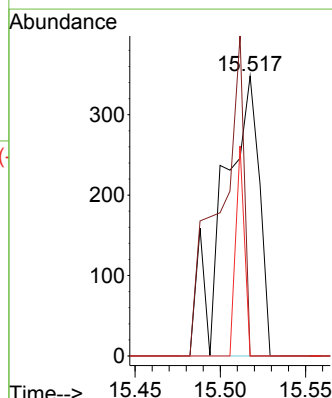
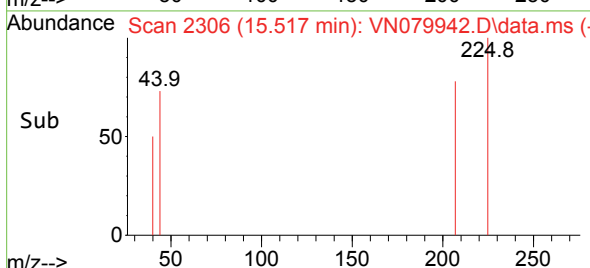
Tgt Ion:180 Resp: 769
 Ion Ratio Lower Upper
 180 100
 182 0.0 46.1 138.2#
 145 0.0 16.6 49.8#

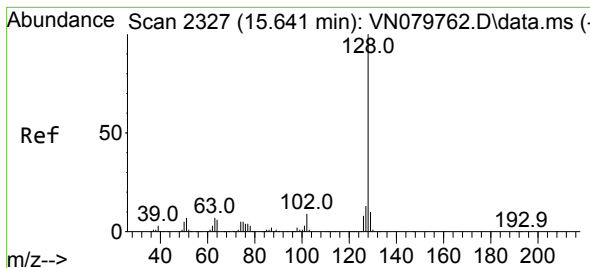


#94
 Hexachlorobutadiene
 Concen: 0.348 ug/l
 RT: 15.517 min Scan# 2306
 Delta R.T. 0.012 min
 Lab File: VN079942.D
 Acq: 07 Nov 2023 03:19



Tgt Ion:225 Resp: 506
 Ion Ratio Lower Upper
 225 100
 223 78.3 31.3 93.8
 227 18.2 31.9 95.9#





#95

Naphthalene

Concen: 0.235 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN079942.D

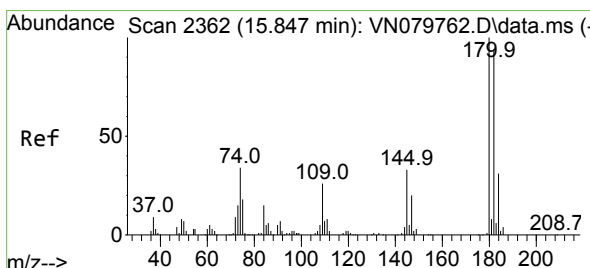
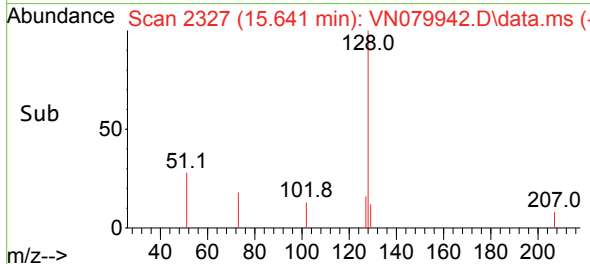
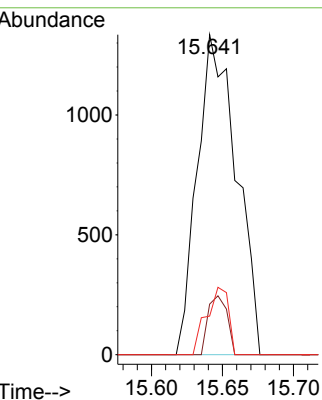
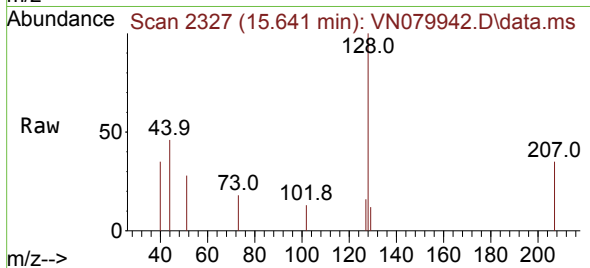
Acq: 07 Nov 2023 03:19

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	128	Resp:	2555
Ion Ratio	Lower	Upper	
128	100		
127	8.9	10.0	15.0#
129	11.8	8.7	13.1



#96

1,2,3-Trichlorobenzene

Concen: 0.284 ug/l

RT: 15.853 min Scan# 2363

Delta R.T. 0.012 min

Lab File: VN079942.D

Acq: 07 Nov 2023 03:19

Tgt Ion:	180	Resp:	892
Ion Ratio	Lower	Upper	
180	100		
182	30.6	46.2	138.6#
145	0.0	17.5	52.6#

