

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101923\
 Data File : VN079609.D
 Acq On : 19 Oct 2023 10:28
 Operator : JC\MD
 Sample : VN1019WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 01:26:16 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)

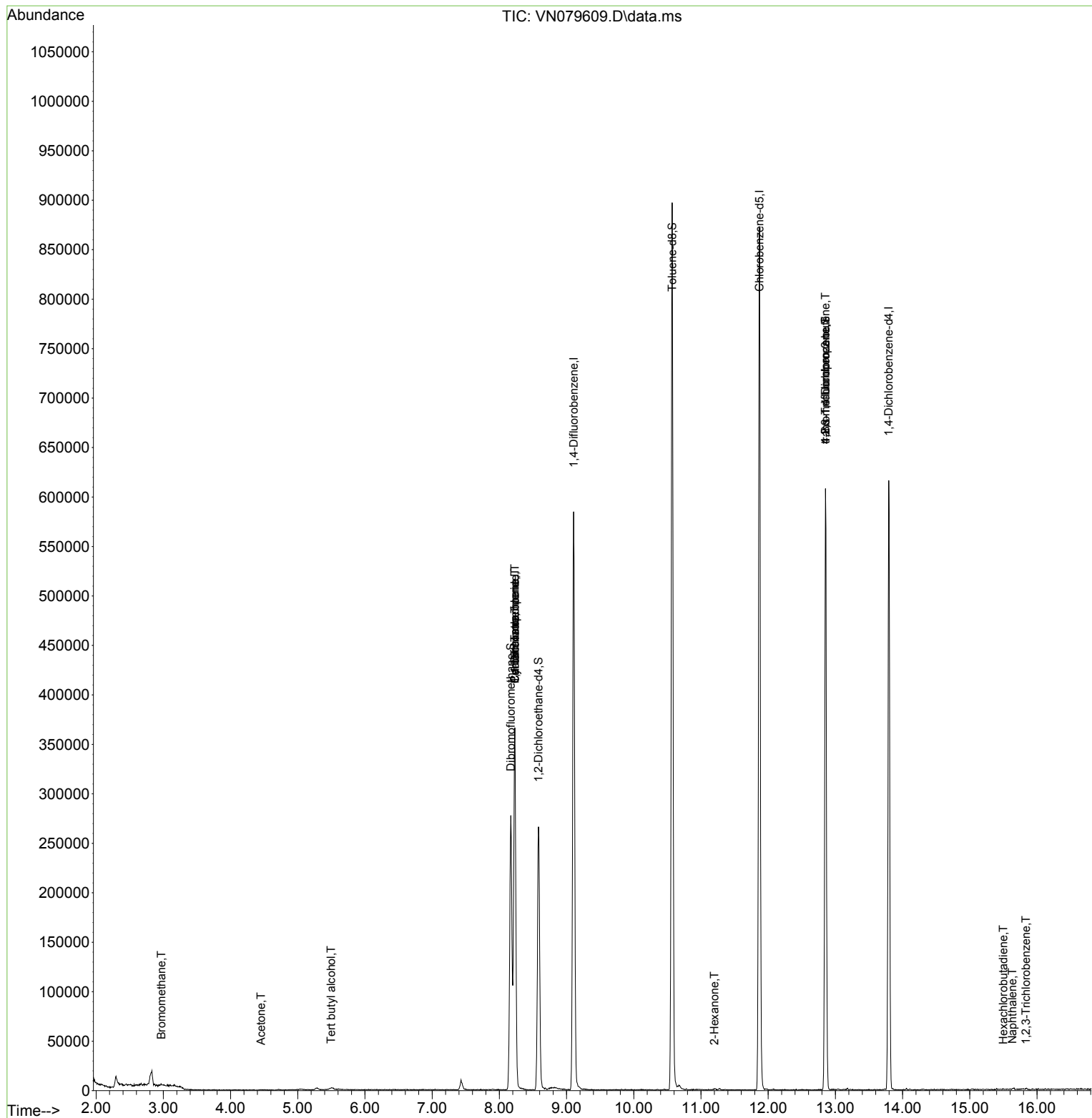
Internal Standards						
1) Pentafluorobenzene	8.229	168	255239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	492321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	490870	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	160787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	219430	53.022	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.040%	
35) Dibromofluoromethane	8.171	113	192357	54.369	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.740%	
50) Toluene-d8	10.570	98	595096	46.486	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.980%	
62) 4-Bromofluorobenzene	12.853	95	203220	49.466	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.940%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	1030	0.362	ug/l #	46
11) Tert butyl alcohol	5.494	59	1217	1.954	ug/l #	72
16) Acetone	4.453	43	536	0.327	ug/l #	40
20) Methylene Chloride	5.288	84	1349	Below Cal	#	53
31) Cyclohexane	8.229	56	7465	1.272	ug/l #	55
36) 1,1-Dichloropropene	8.229	75	23379	4.403	ug/l #	47
38) Carbon Tetrachloride	8.229	117	27475	5.168	ug/l #	17
59) 2-Hexanone	11.200	43	925	0.245	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.941	83	55	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	113886	24.566	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	113886	71.279	ug/l #	15
94) Hexachlorobutadiene	15.500	225	335	0.245	ug/l #	19
95) Naphthalene	15.635	128	1832	0.341	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.835	180	711	0.339	ug/l #	46

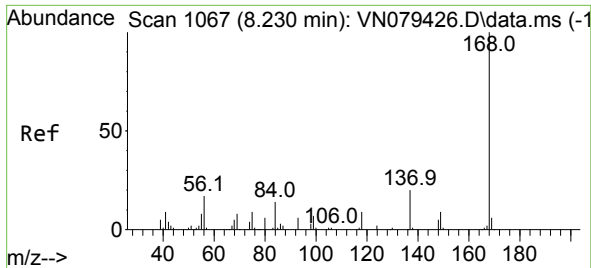
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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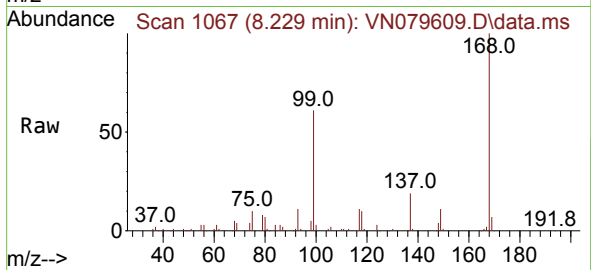
Quant Time: Oct 20 01:26:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
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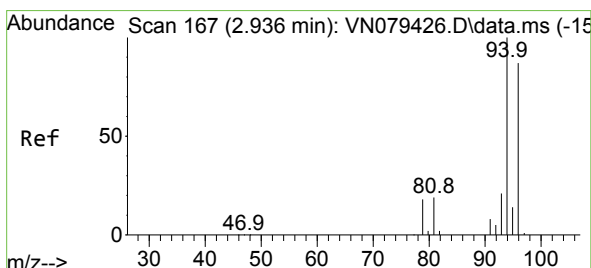
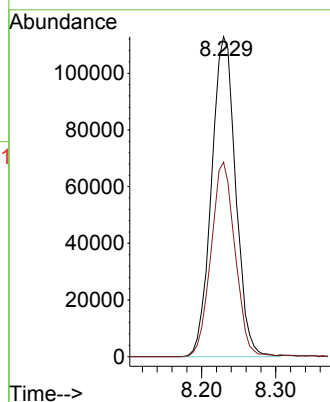
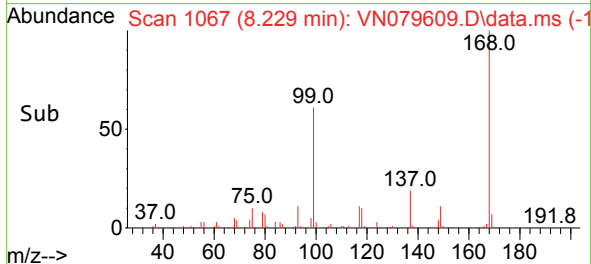


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN079609.D
Acq: 19 Oct 2023 10:28

Instrument :
MSVOA_N
ClientSampleId :

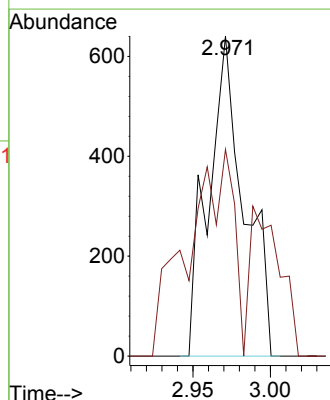
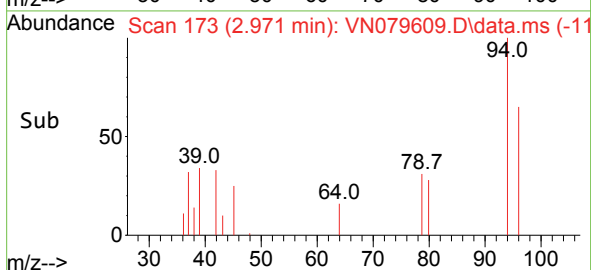
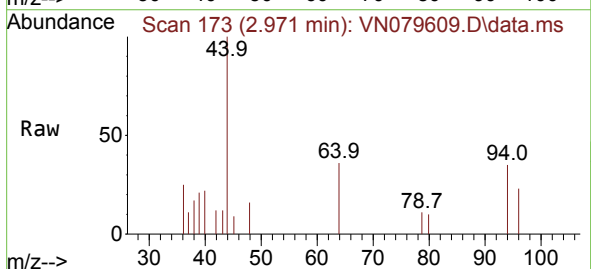


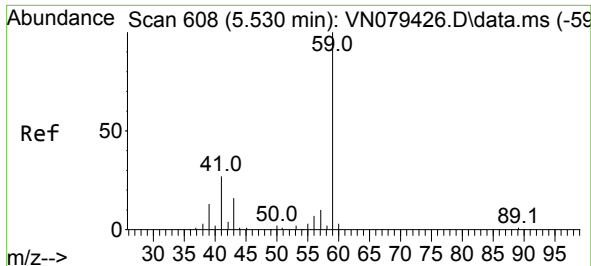
Tgt Ion:168 Resp: 255239
Ion Ratio Lower Upper
168 100
99 60.8 53.0 79.6



#5
Bromomethane
Concen: 0.362 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.035 min
Lab File: VN079609.D
Acq: 19 Oct 2023 10:28

Tgt Ion: 94 Resp: 1030
Ion Ratio Lower Upper
94 100
96 39.9 73.1 109.7#

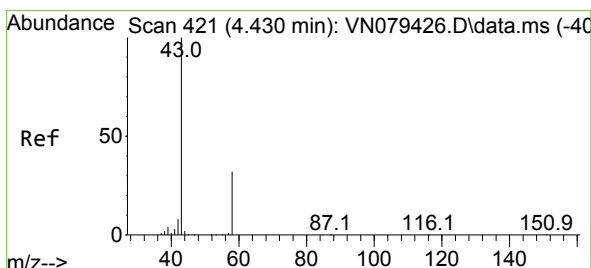
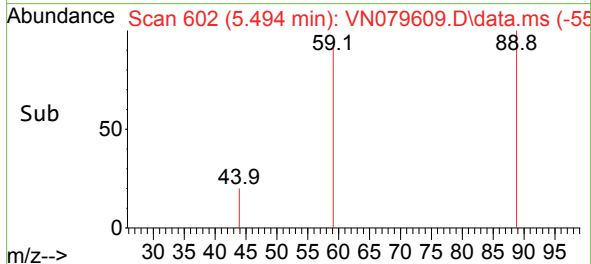
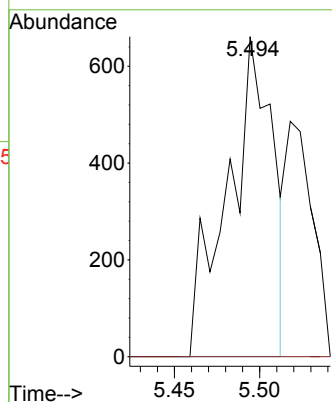
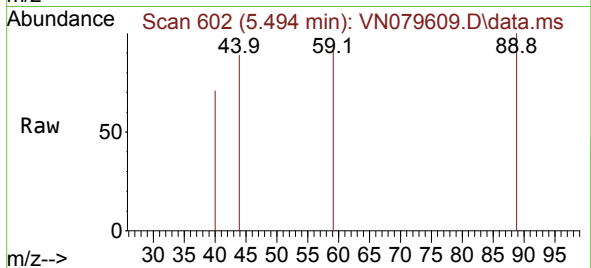




#11
Tert butyl alcohol
Concen: 1.954 ug/l
RT: 5.494 min Scan# 608
Delta R.T. -0.036 min
Lab File: VN079609.D
Acq: 19 Oct 2023 10:28

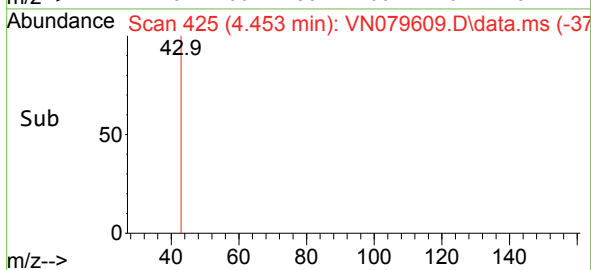
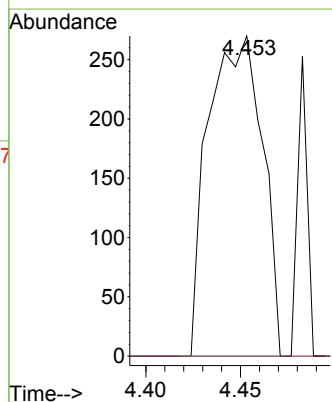
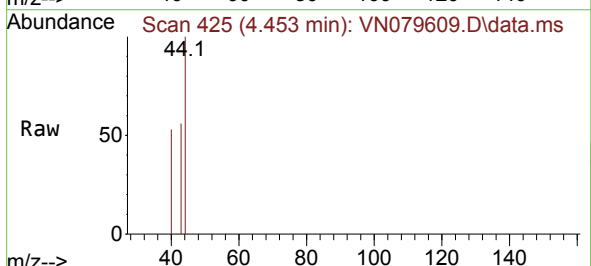
Instrument :
MSVOA_N
ClientSampleId :

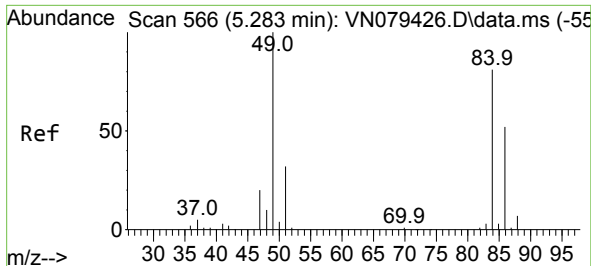
Tgt Ion: 59 Resp: 1217
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 0.327 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.023 min
Lab File: VN079609.D
Acq: 19 Oct 2023 10:28

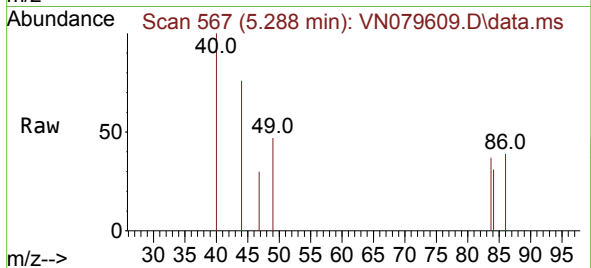
Tgt Ion: 43 Resp: 536
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



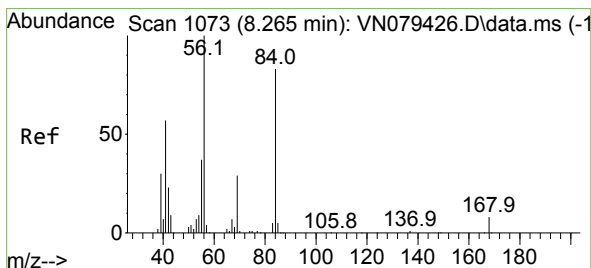
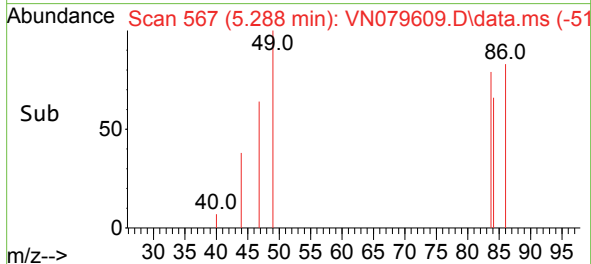
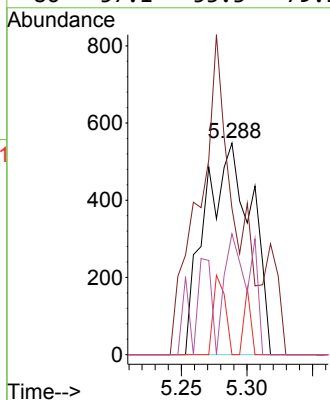


#20
Methylene Chloride
Concen: Below Cal
RT: 5.288 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN079609.D
Acq: 19 Oct 2023 10:28

Instrument :
MSVOA_N
ClientSampleId :

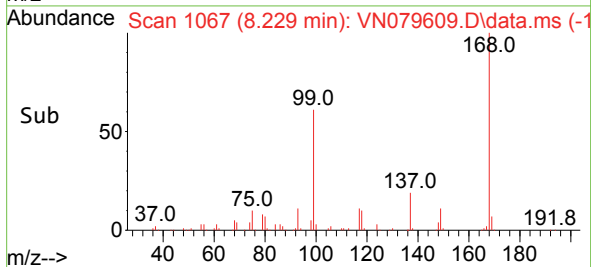
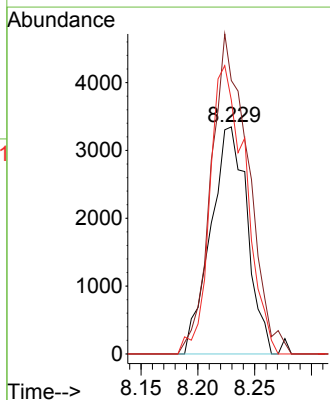
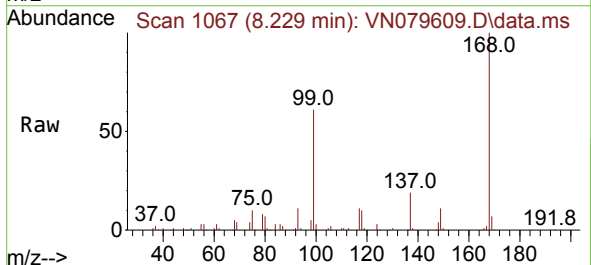


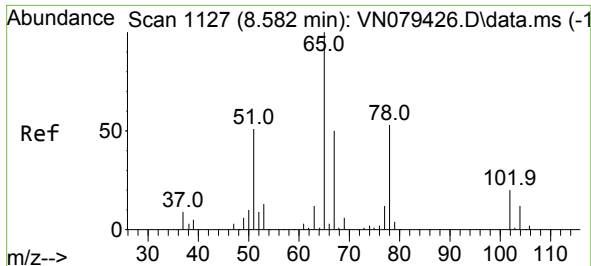
Tgt Ion: 84 Resp: 1349
Ion Ratio Lower Upper
84 100
49 32.1 79.7 119.5#
51 0.0 25.2 37.8#
86 57.1 53.3 79.9



#31
Cyclohexane
Concen: 1.272 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079609.D
Acq: 19 Oct 2023 10:28

Tgt Ion: 56 Resp: 7465
Ion Ratio Lower Upper
56 100
69 120.5 26.8 40.2#
84 111.9 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 53.022 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079609.D

Acq: 19 Oct 2023 10:28

Instrument :

MSVOA_N

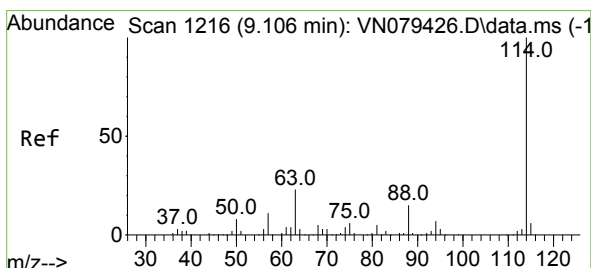
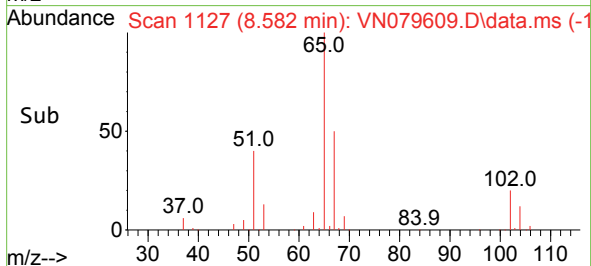
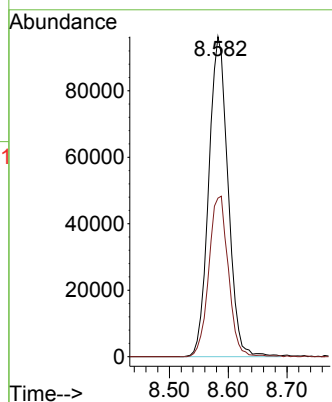
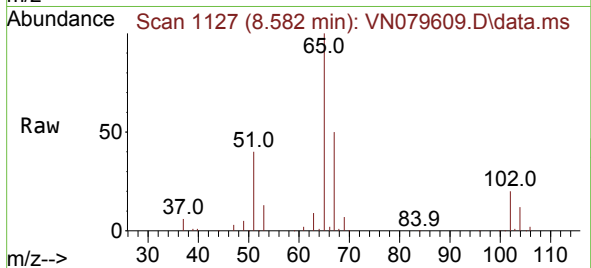
ClientSampleId :

Tgt Ion: 65 Resp: 219430

Ion Ratio Lower Upper

65 100

67 50.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN079609.D

Acq: 19 Oct 2023 10:28

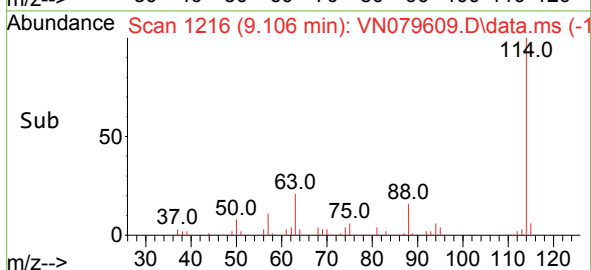
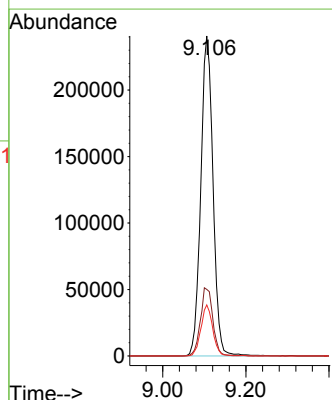
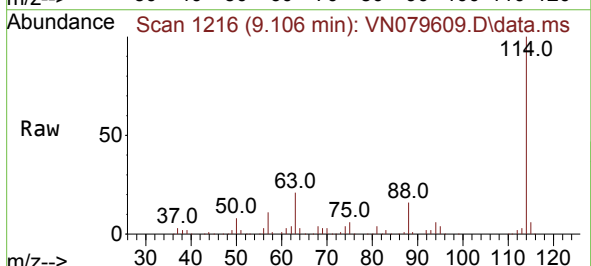
Tgt Ion: 114 Resp: 492321

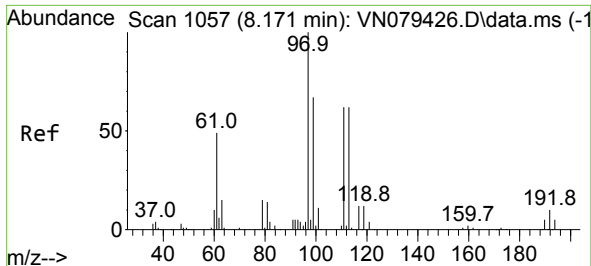
Ion Ratio Lower Upper

114 100

63 20.8 0.0 36.4

88 16.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 54.369 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

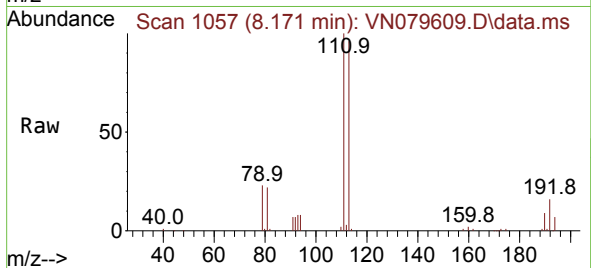
Lab File: VN079609.D

Acq: 19 Oct 2023 10:28

Instrument :

MSVOA_N

ClientSampleId :



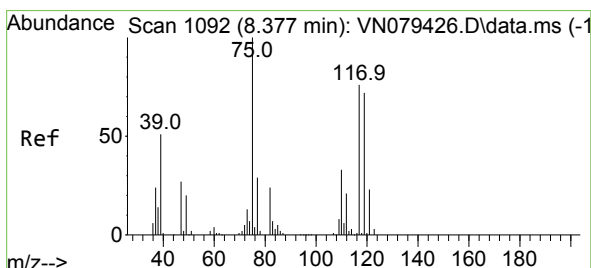
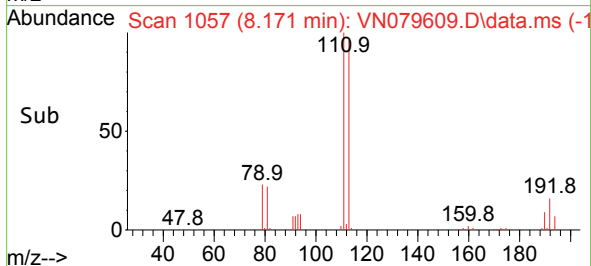
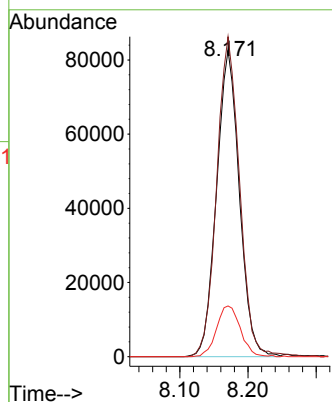
Tgt Ion:113 Resp: 192357

Ion Ratio Lower Upper

113 100

111 104.8 82.6 123.8

192 17.3 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.403 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079609.D

Acq: 19 Oct 2023 10:28

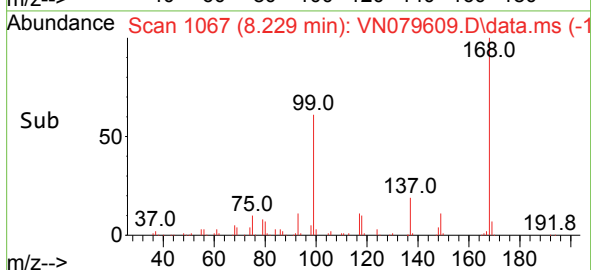
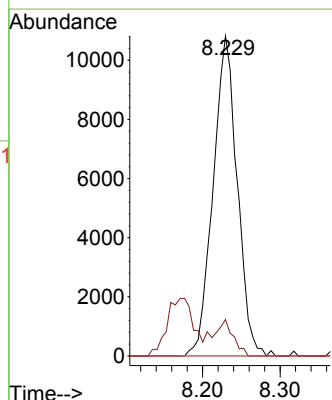
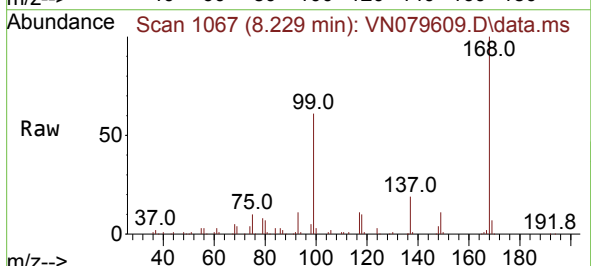
Tgt Ion: 75 Resp: 23379

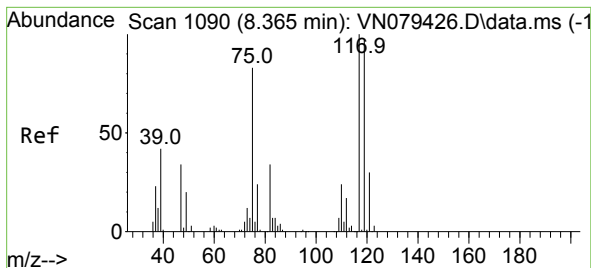
Ion Ratio Lower Upper

75 100

110 7.4 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.168 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.135 min

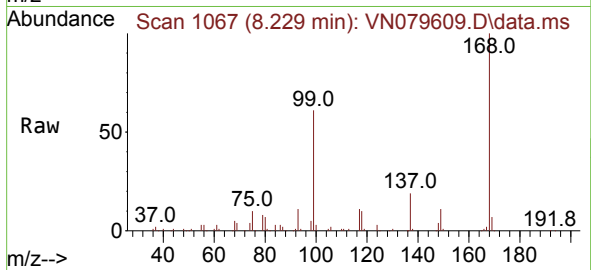
Lab File: VN079609.D

Acq: 19 Oct 2023 10:28

Instrument :

MSVOA_N

ClientSampleId :



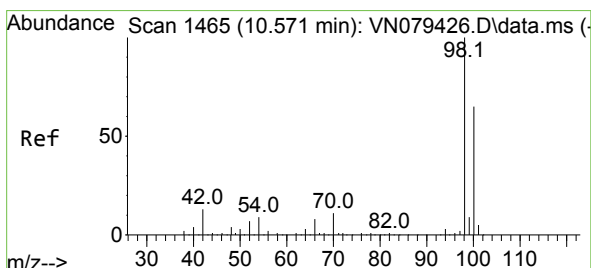
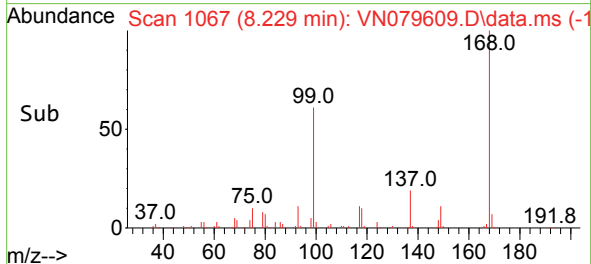
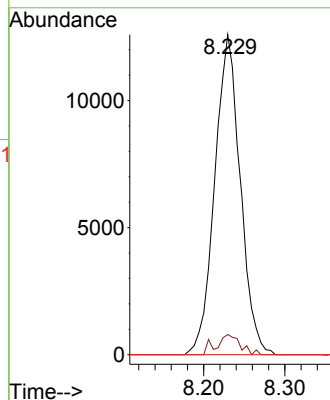
Tgt Ion:117 Resp: 27475

Ion Ratio Lower Upper

117 100

119 6.3 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 46.486 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079609.D

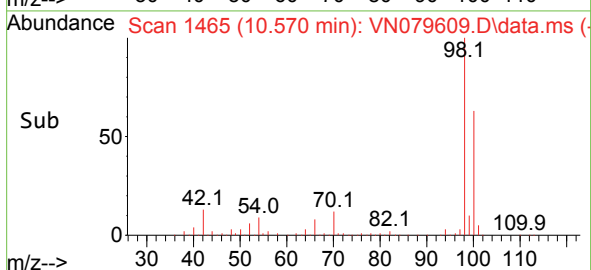
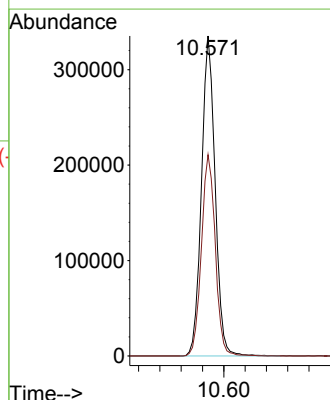
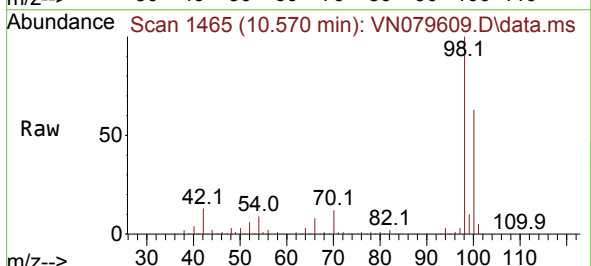
Acq: 19 Oct 2023 10:28

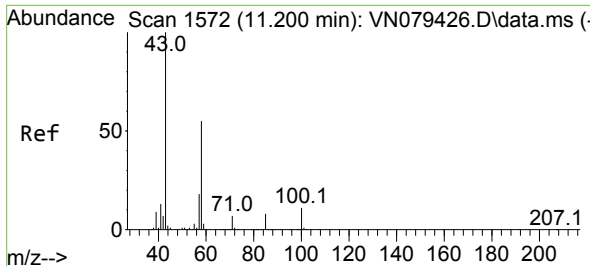
Tgt Ion: 98 Resp: 595096

Ion Ratio Lower Upper

98 100

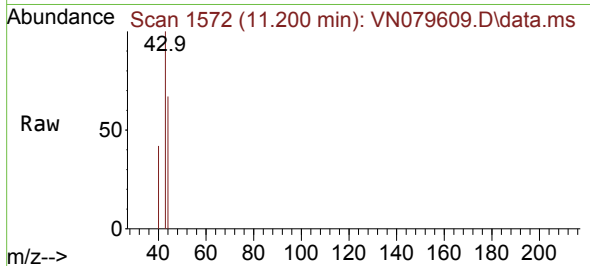
100 63.9 52.0 78.0



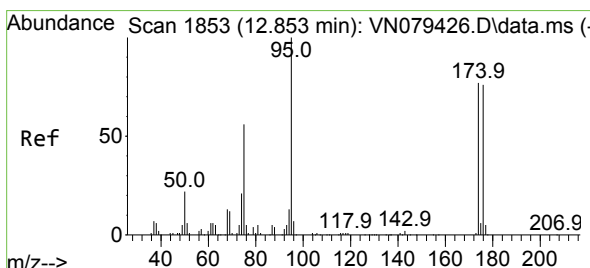
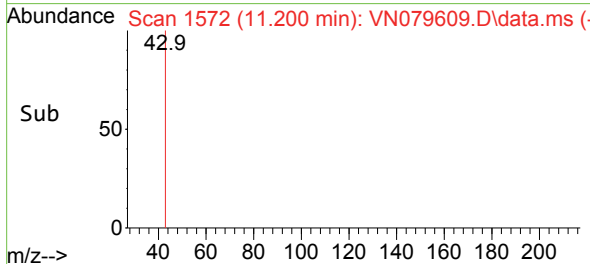
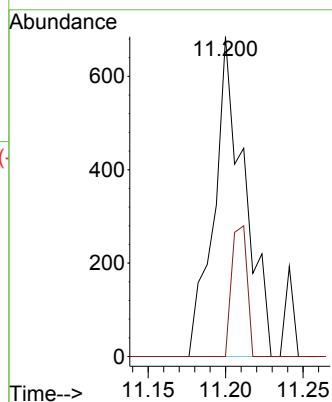


#59
2-Hexanone
Concen: 0.245 ug/l
RT: 11.200 min Scan# 111
Delta R.T. -0.000 min
Lab File: VN079609.D
Acq: 19 Oct 2023 10:28

Instrument :
MSVOA_N
ClientSampleId :

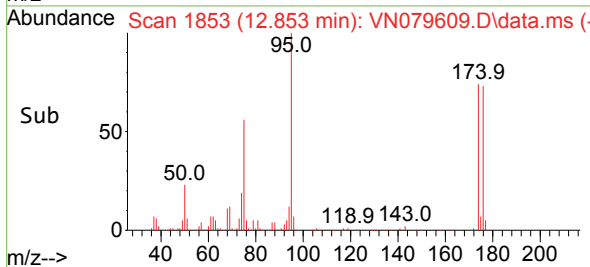
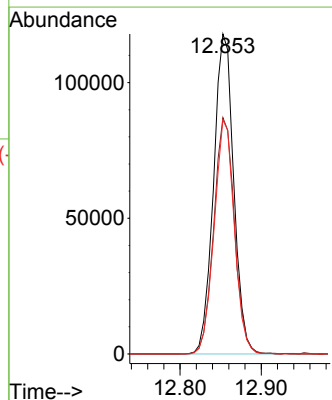
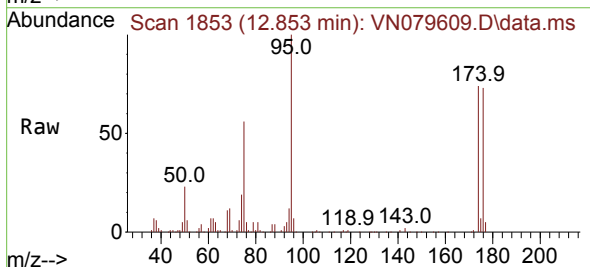


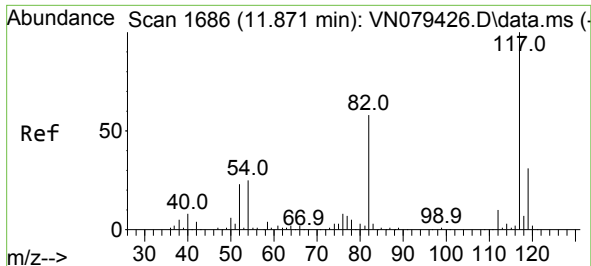
Tgt Ion: 43 Resp: 925
Ion Ratio Lower Upper
43 100
58 20.9 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 49.466 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079609.D
Acq: 19 Oct 2023 10:28

Tgt Ion: 95 Resp: 203220
Ion Ratio Lower Upper
95 100
174 76.0 0.0 143.8
176 73.1 0.0 135.8

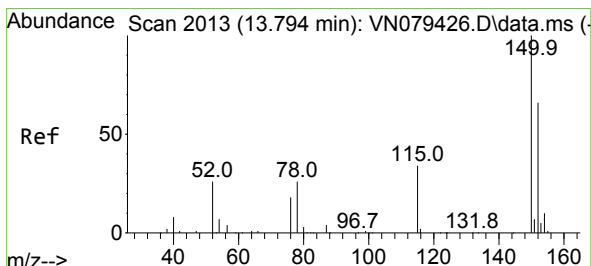
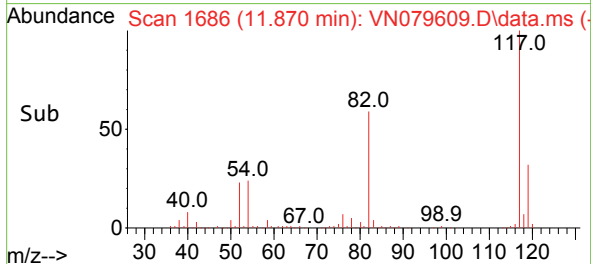
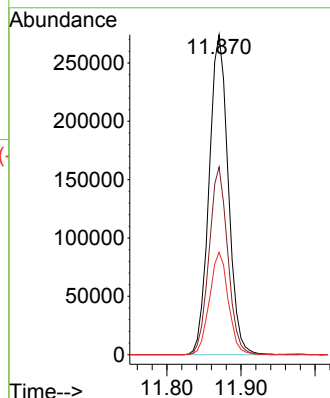
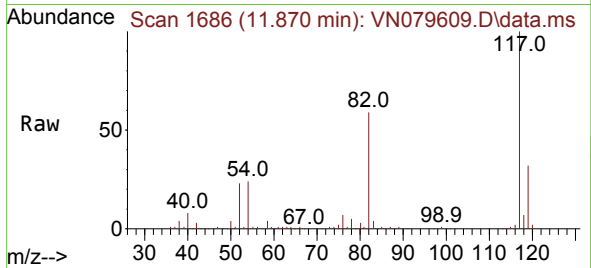




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN079609.D
Acq: 19 Oct 2023 10:28

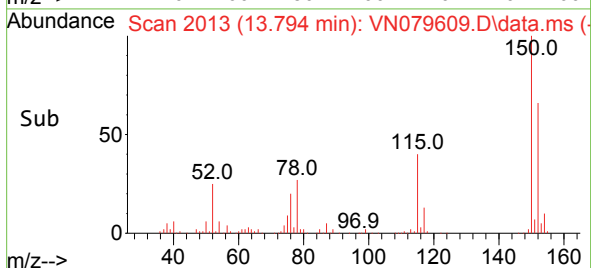
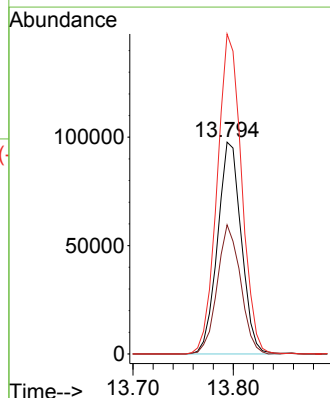
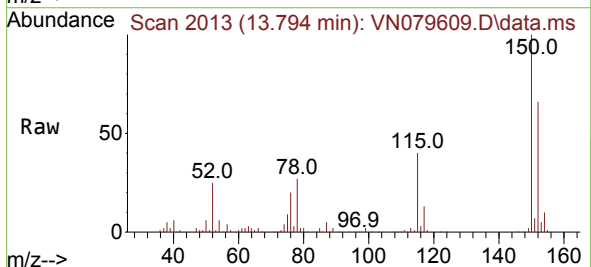
Instrument :
MSVOA_N
ClientSampleId :

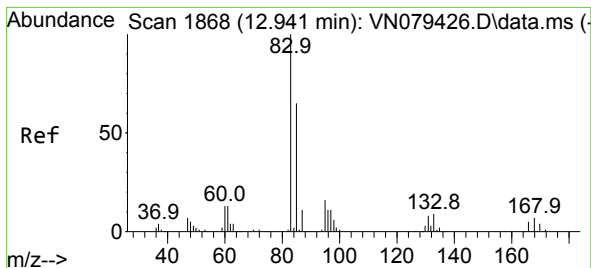
Tgt Ion:117 Resp: 490870
Ion Ratio Lower Upper
117 100
82 58.6 44.0 66.0
119 31.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN079609.D
Acq: 19 Oct 2023 10:28

Tgt Ion:152 Resp: 160787
Ion Ratio Lower Upper
152 100
115 59.7 32.3 96.8
150 155.5 0.0 355.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.941 min Scan# 1868

Delta R.T. -0.000 min

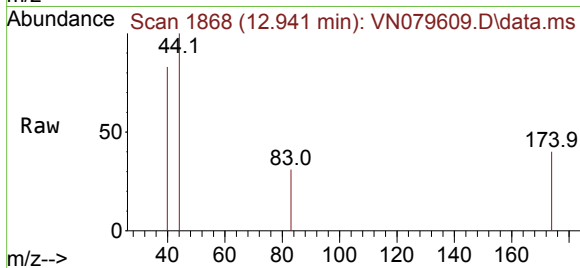
Lab File: VN079609.D

Acq: 19 Oct 2023 10:28

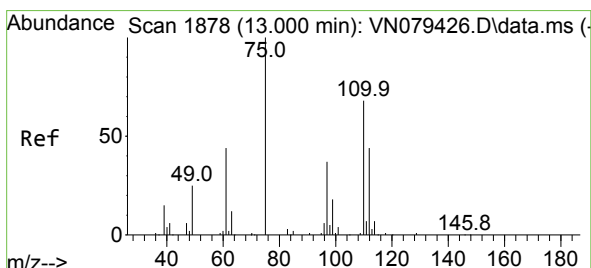
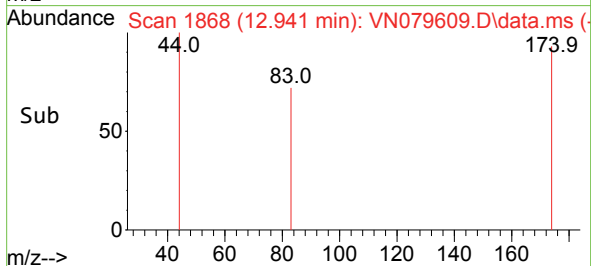
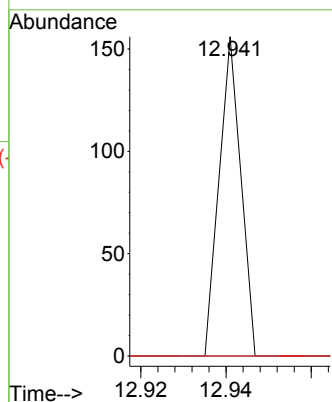
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	83	Resp:	55
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	15.0#
85	0.0	31.9	95.7#



#76

1,2,3-Trichloropropane

Concen: 24.566 ug/l

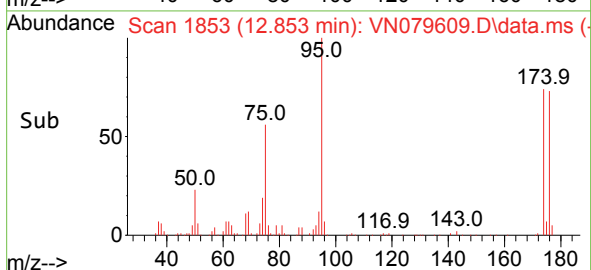
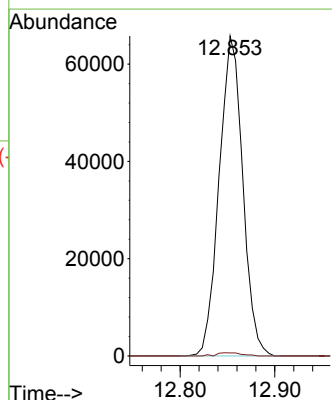
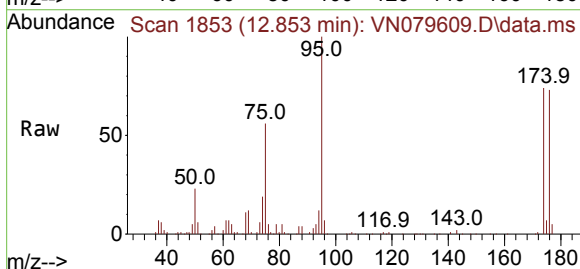
RT: 12.853 min Scan# 1853

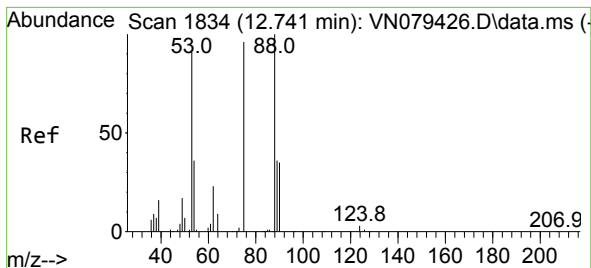
Delta R.T. -0.147 min

Lab File: VN079609.D

Acq: 19 Oct 2023 10:28

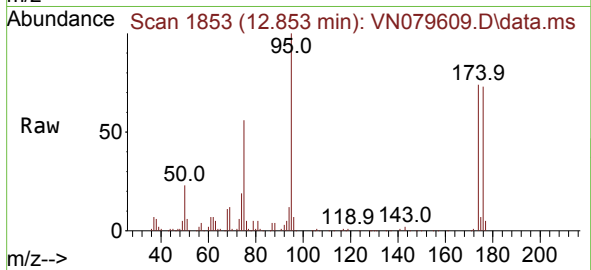
Tgt Ion:	75	Resp:	113886
Ion	Ratio	Lower	Upper
75	100		
77	1.1	84.5	253.5#



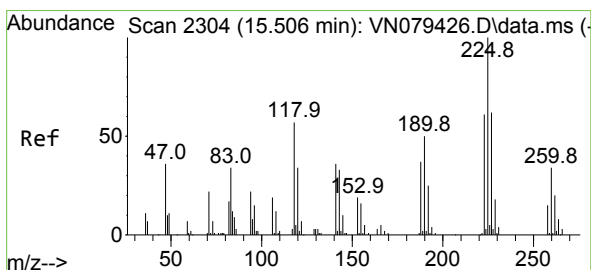
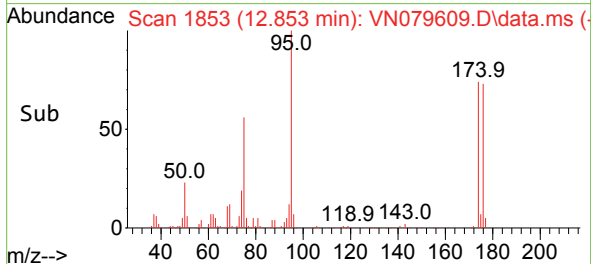
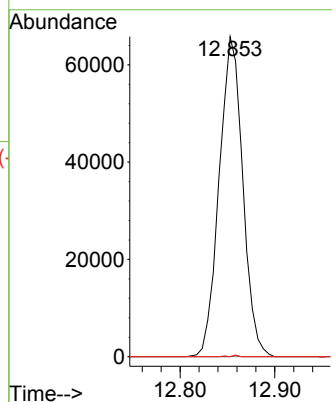


#81
trans-1,4-Dichloro-2-butene
Concen: 71.279 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN079609.D
Acq: 19 Oct 2023 10:28

Instrument :
MSVOA_N
ClientSampleId :

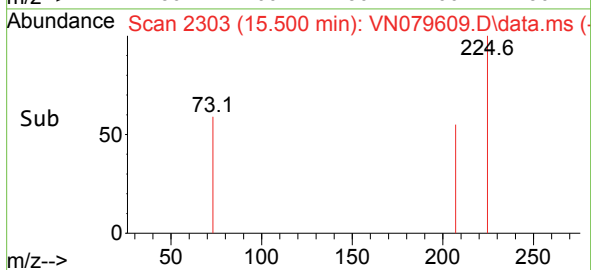
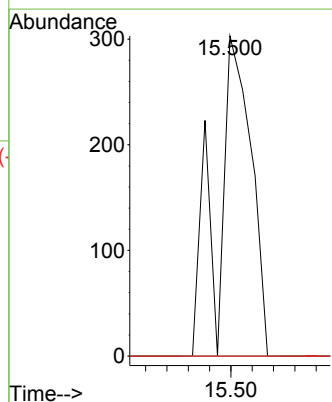
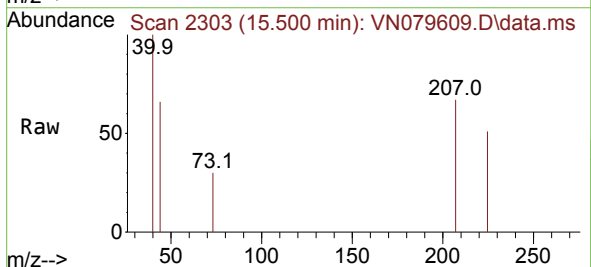


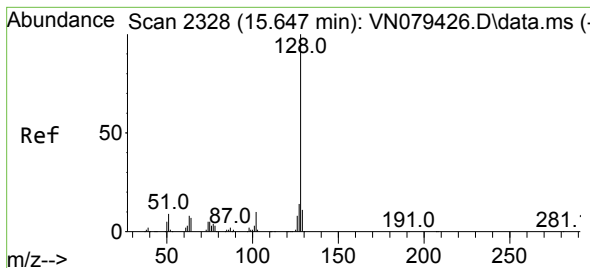
Tgt Ion: 75 Resp: 113886
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.2 38.8 58.2#



#94
Hexachlorobutadiene
Concen: 0.245 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.006 min
Lab File: VN079609.D
Acq: 19 Oct 2023 10:28

Tgt Ion: 225 Resp: 335
Ion Ratio Lower Upper
225 100
223 0.0 31.3 93.8#
227 0.0 31.9 95.9#





#95

Naphthalene

Concen: 0.341 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.012 min

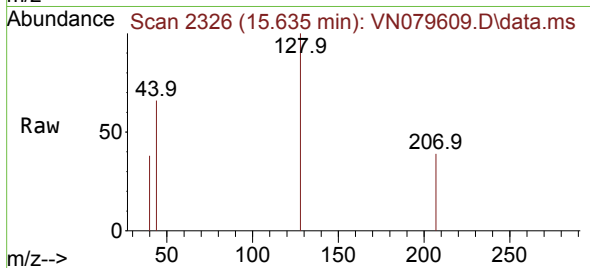
Lab File: VN079609.D

Acq: 19 Oct 2023 10:28

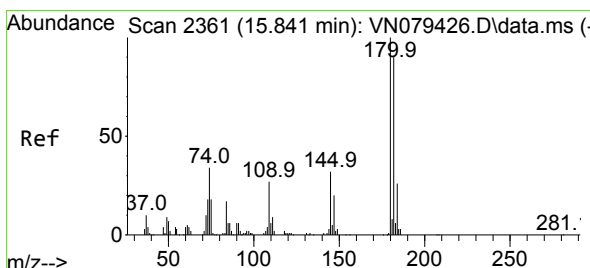
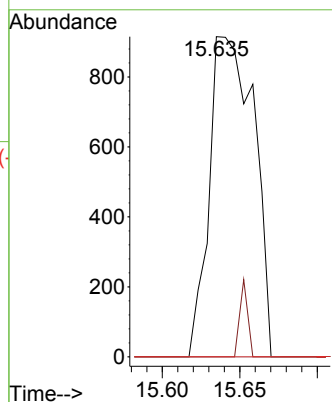
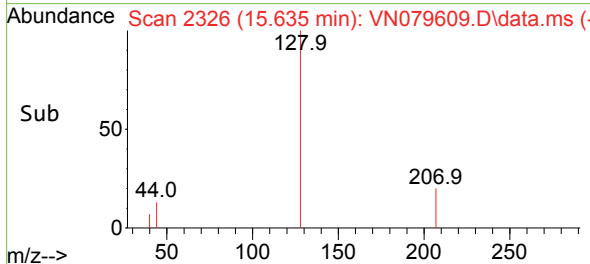
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	128	Resp:	1832
Ion	Ratio	Lower	Upper
128	100		
127	4.3	10.0	15.0#
129	0.0	8.7	13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.339 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.006 min

Lab File: VN079609.D

Acq: 19 Oct 2023 10:28

Tgt Ion:	180	Resp:	711
Ion	Ratio	Lower	Upper
180	100		
182	42.5	46.2	138.6#
145	0.0	17.5	52.6#

