

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102423\
 Data File : VN079657.D
 Acq On : 24 Oct 2023 14:24
 Operator : JC\MD
 Sample : VN1024WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 01:46:20 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

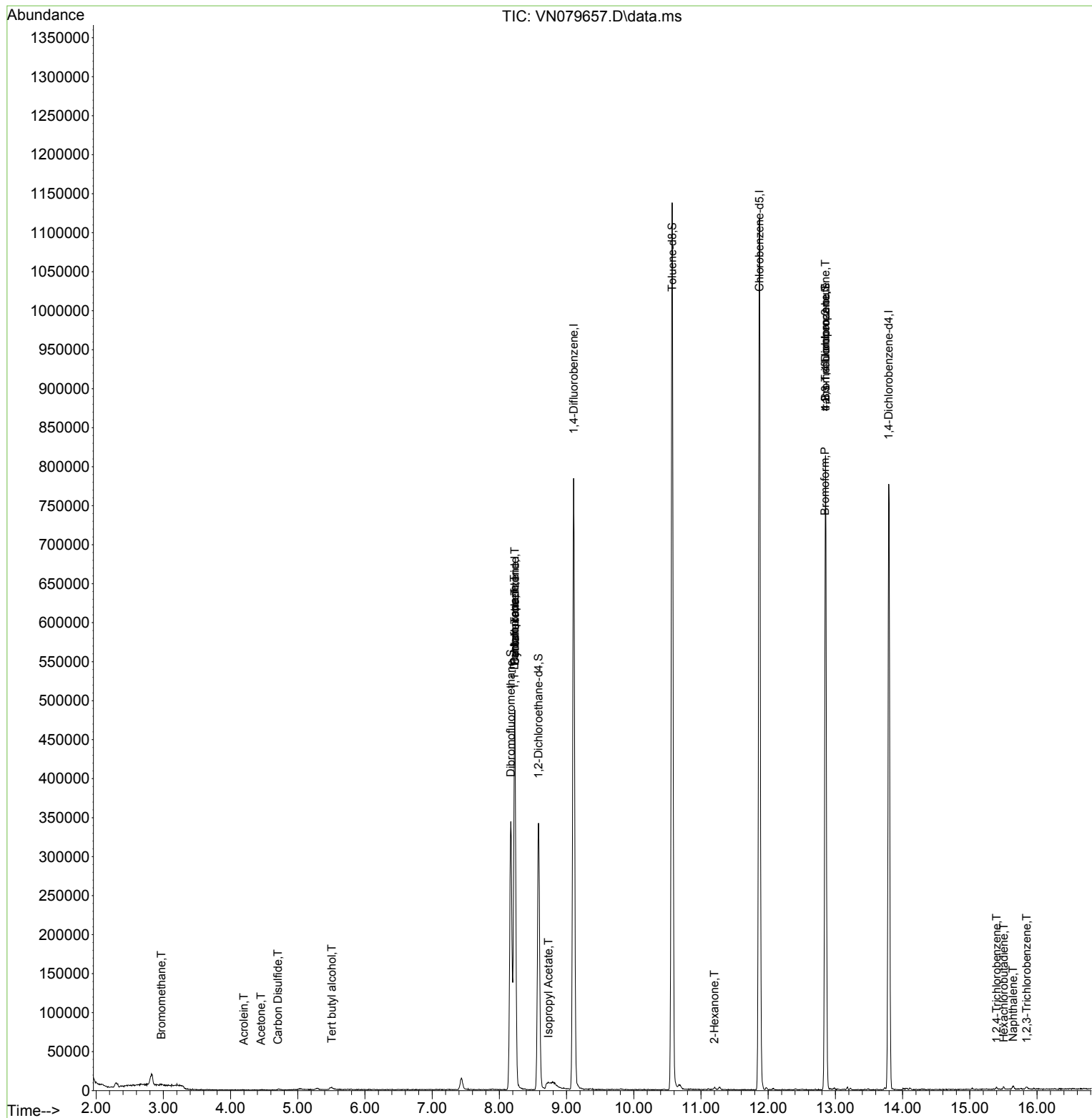
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	339738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	649787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	626565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	202670	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	289936	52.633	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.260%	
35) Dibromofluoromethane	8.171	113	247541	53.011	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.020%	
50) Toluene-d8	10.570	98	765335	45.297	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 90.600%	
62) 4-Bromofluorobenzene	12.853	95	278346	51.334	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.660%	
Target Compounds						Qvalue
5) Bromomethane	2.971	94	1536	0.406	ug/l #	48
11) Tert butyl alcohol	5.506	59	2644	3.189	ug/l #	72
13) Acrolein	4.200	56	304	0.368	ug/l #	64
16) Acetone	4.453	43	685	0.314	ug/l #	40
17) Carbon Disulfide	4.706	76	2719	0.217	ug/l #	75
20) Methylene Chloride	5.283	84	1524	Below Cal	#	54
31) Cyclohexane	8.229	56	9267	1.186	ug/l #	48
36) 1,1-Dichloropropene	8.224	75	31216	4.454	ug/l #	46
38) Carbon Tetrachloride	8.229	117	37012	5.275	ug/l #	17
43) Isopropyl Acetate	8.729	43	8612	0.705	ug/l #	49
59) 2-Hexanone	11.200	43	2074	0.417	ug/l	84
71) Bromoform	12.847	173	1774	0.474	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.947	83	490	Below Cal	#	56
76) 1,2,3-Trichloropropane	12.853	75	152888	26.164	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	152888	75.915	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.400	180	778	0.351	ug/l	74
94) Hexachlorobutadiene	15.505	225	707	0.410	ug/l	84
95) Naphthalene	15.647	128	4202	0.621	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.847	180	1054	0.399	ug/l	60

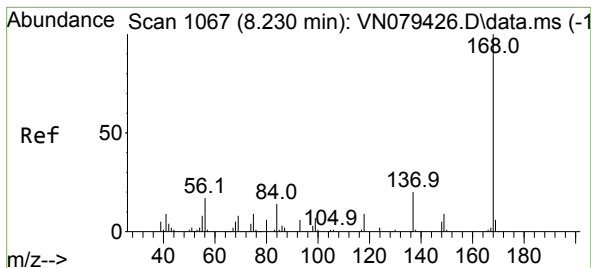
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 06 03:34:49 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN079657.D

Acq: 24 Oct 2023 14:24

Instrument :

MSVOA_N

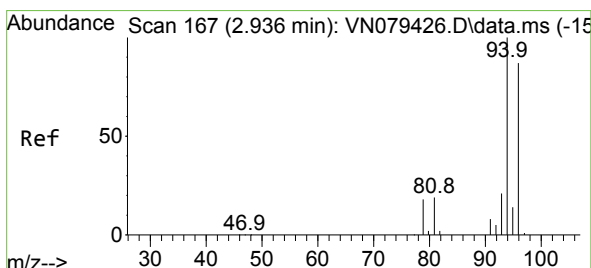
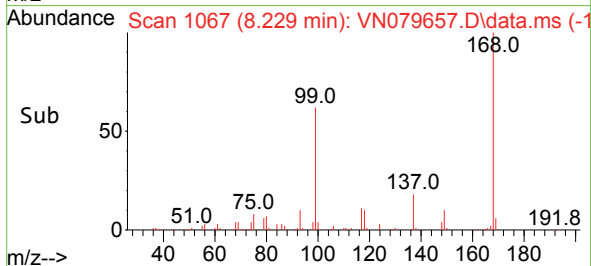
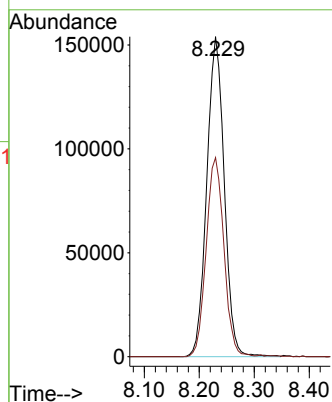
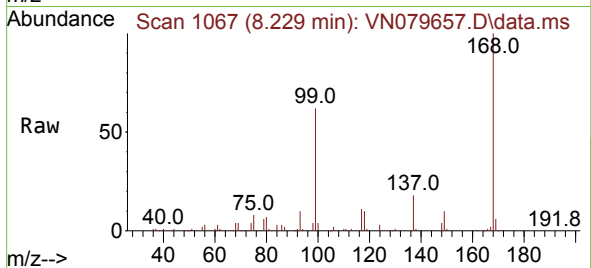
ClientSampleId :

Tgt Ion:168 Resp: 339738

Ion Ratio Lower Upper

168 100

99 62.2 53.0 79.6



#5

Bromomethane

Concen: 0.406 ug/l

RT: 2.971 min Scan# 173

Delta R.T. 0.035 min

Lab File: VN079657.D

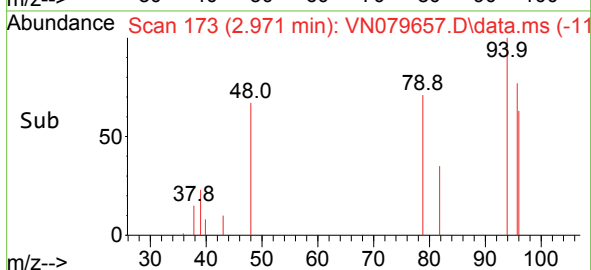
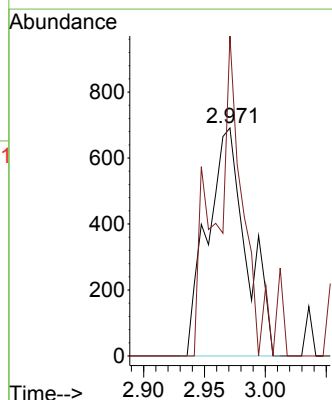
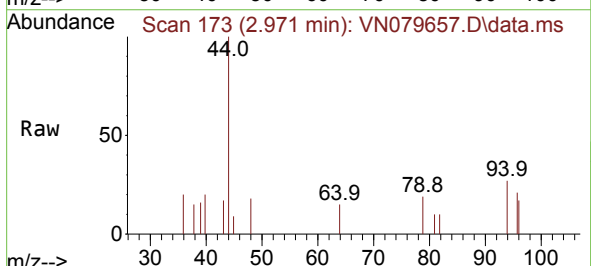
Acq: 24 Oct 2023 14:24

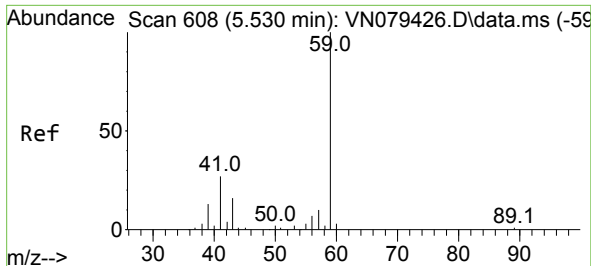
Tgt Ion: 94 Resp: 1536

Ion Ratio Lower Upper

94 100

96 140.4 73.1 109.7#





#11

Tert butyl alcohol

Concen: 3.189 ug/l

RT: 5.506 min Scan# 608

Delta R.T. -0.024 min

Lab File: VN079657.D

Acq: 24 Oct 2023 14:24

Instrument :

MSVOA_N

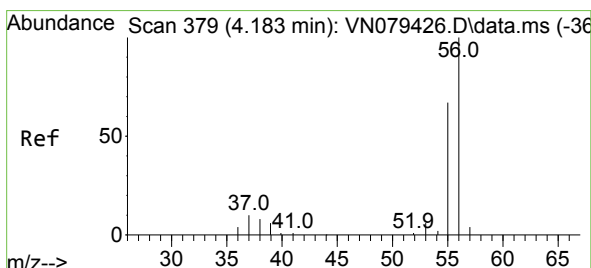
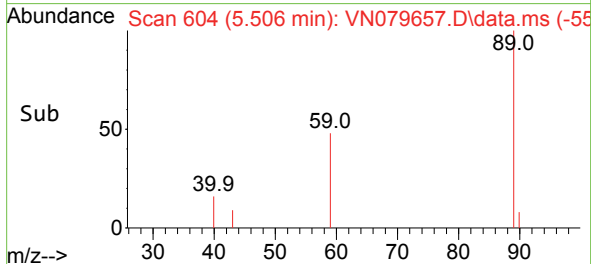
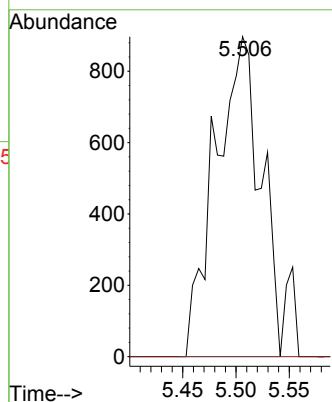
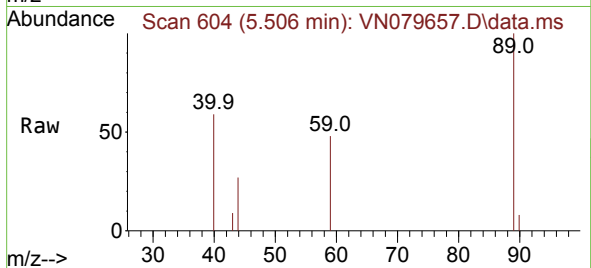
ClientSampleId :

Tgt Ion: 59 Resp: 2644

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: 0.368 ug/l

RT: 4.200 min Scan# 382

Delta R.T. 0.017 min

Lab File: VN079657.D

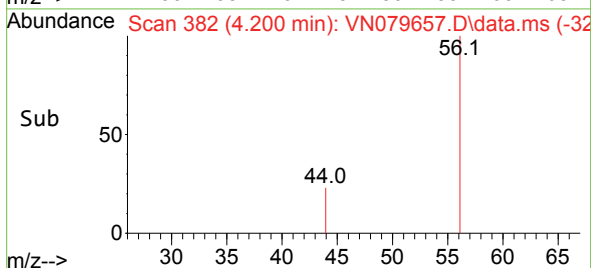
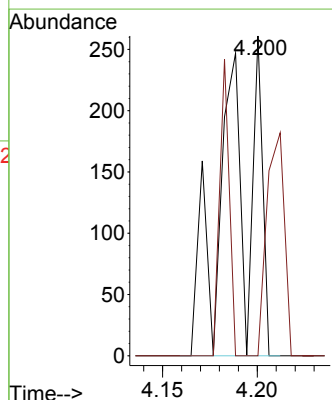
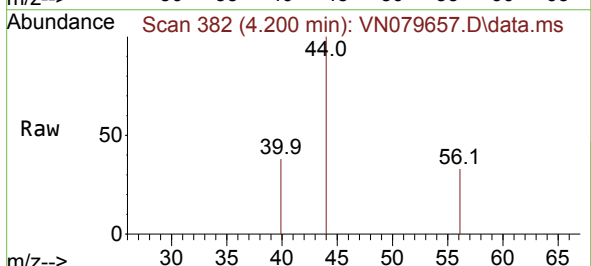
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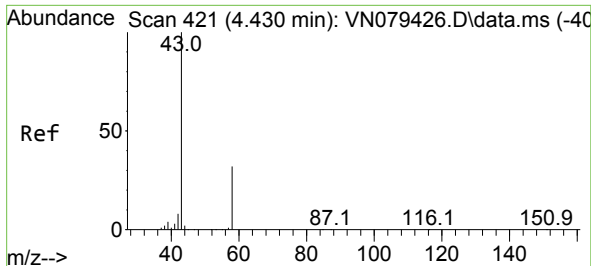
Tgt Ion: 56 Resp: 304

Ion Ratio Lower Upper

56 100

55 38.8 54.5 81.7#

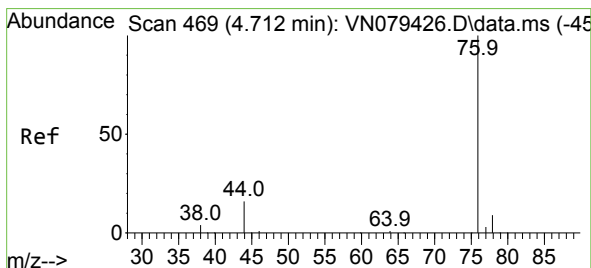
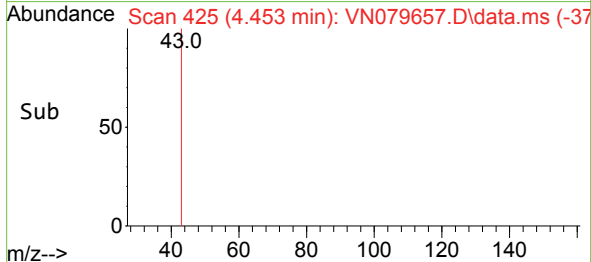
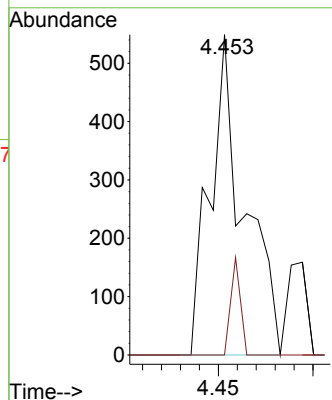
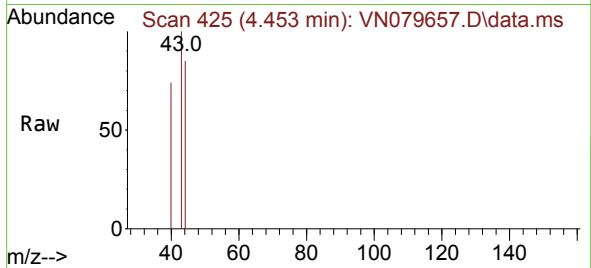




#16
Acetone
Concen: 0.314 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN079657.D
Acq: 24 Oct 2023 14:24

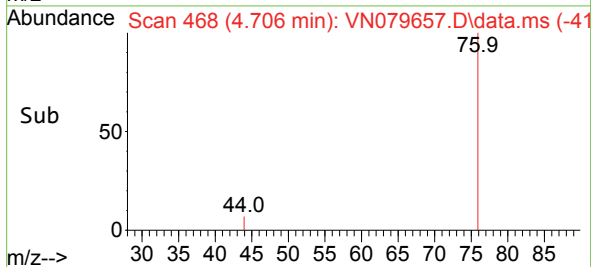
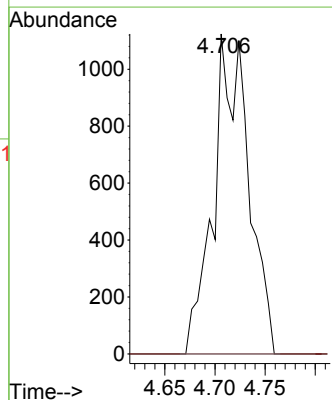
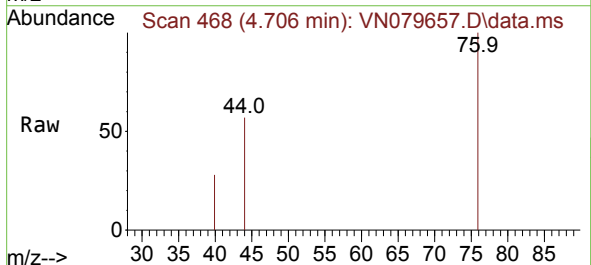
Instrument :
MSVOA_N
ClientSampleId :

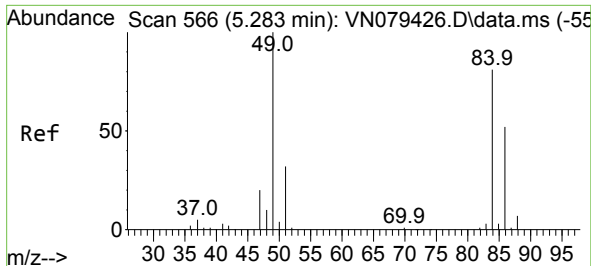
Tgt Ion: 43 Resp: 685
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#17
Carbon Disulfide
Concen: 0.217 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN079657.D
Acq: 24 Oct 2023 14:24

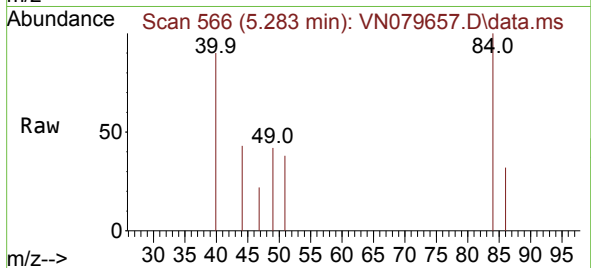
Tgt Ion: 76 Resp: 2719
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





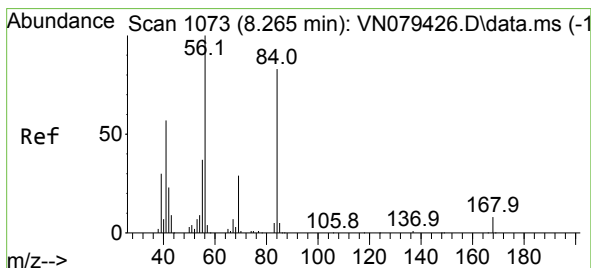
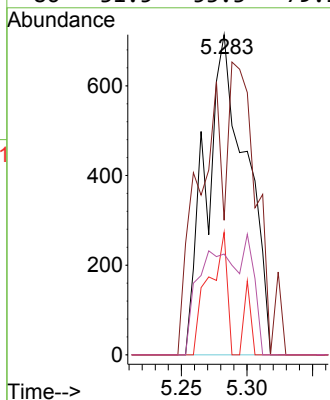
#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079657.D
Acq: 24 Oct 2023 14:24

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1524

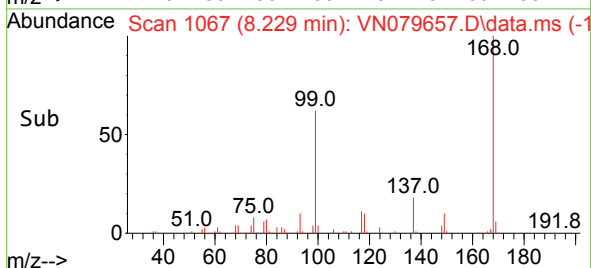
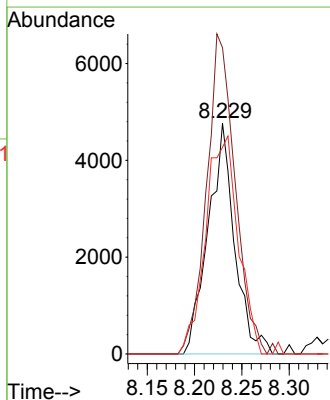
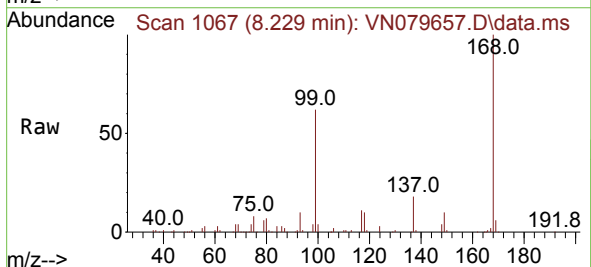
Ion	Ratio	Lower	Upper
84	100		
49	42.0	79.7	119.5#
51	38.2	25.2	37.8#
86	31.5	53.3	79.9#

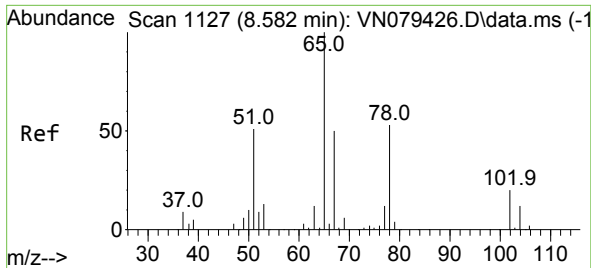


#31
Cyclohexane
Concen: 1.186 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079657.D
Acq: 24 Oct 2023 14:24

Tgt Ion: 56 Resp: 9267

Ion	Ratio	Lower	Upper
56	100		
69	132.8	26.8	40.2#
84	89.6	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 52.633 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079657.D

Acq: 24 Oct 2023 14:24

Instrument :

MSVOA_N

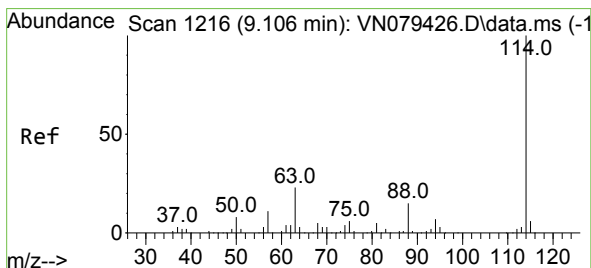
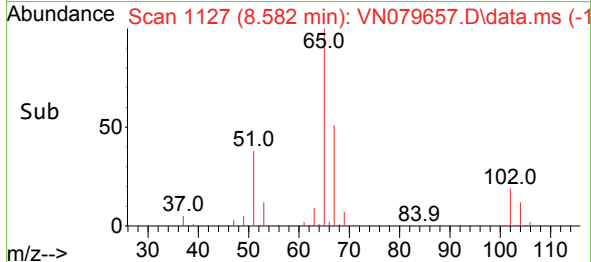
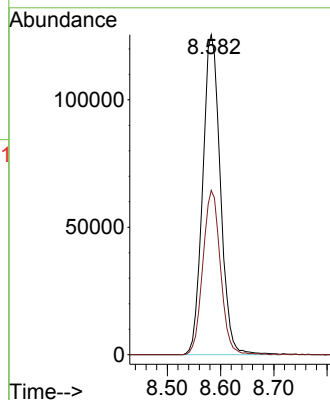
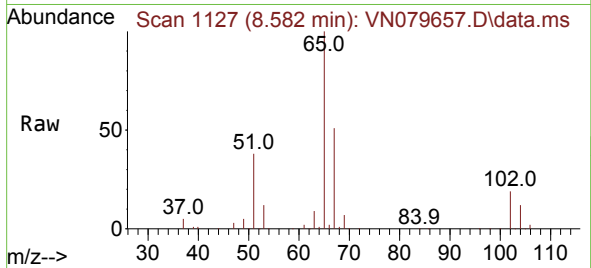
ClientSampleId :

Tgt Ion: 65 Resp: 289936

Ion Ratio Lower Upper

65 100

67 51.0 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: VN079657.D

Acq: 24 Oct 2023 14:24

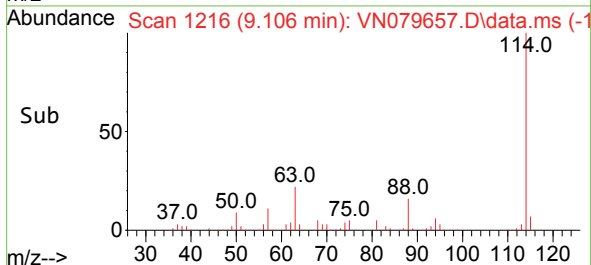
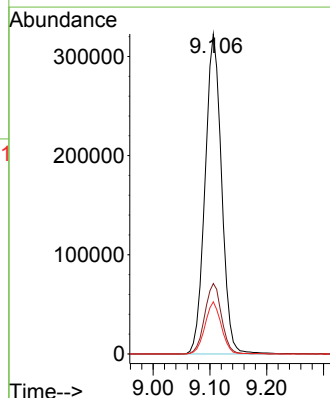
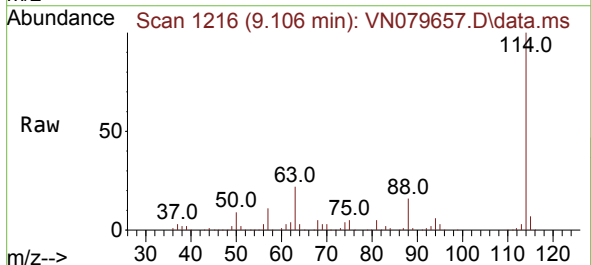
Tgt Ion: 114 Resp: 649787

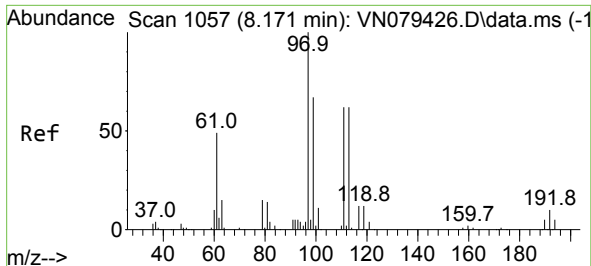
Ion Ratio Lower Upper

114 100

63 22.0 0.0 36.4

88 16.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.011 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

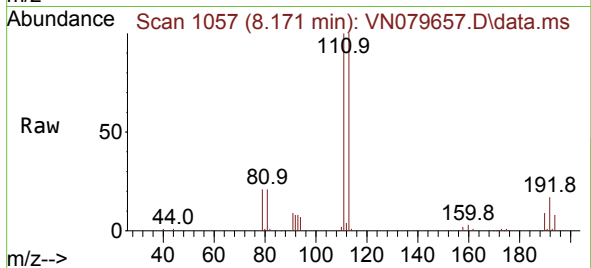
Lab File: VN079657.D

Acq: 24 Oct 2023 14:24

Instrument :

MSVOA_N

ClientSampleId :



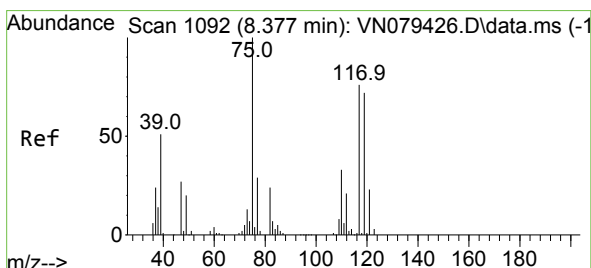
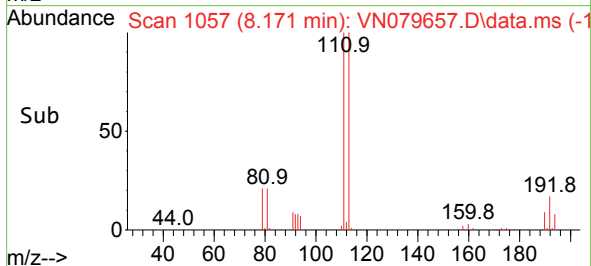
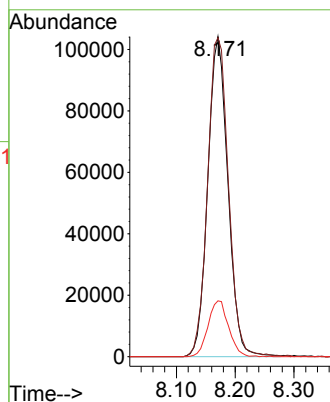
Tgt Ion:113 Resp: 247541

Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 17.9 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.454 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN079657.D

Acq: 24 Oct 2023 14:24

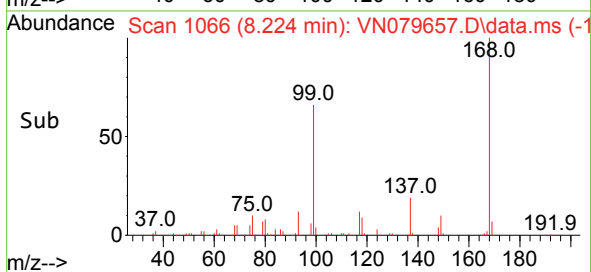
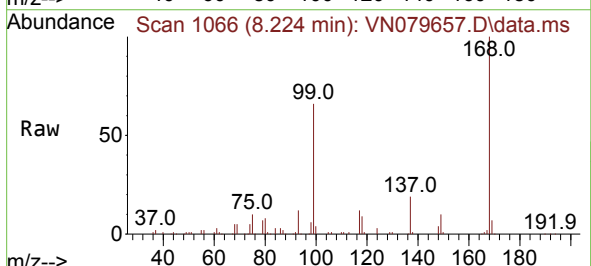
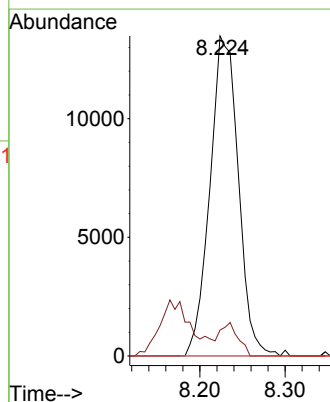
Tgt Ion: 75 Resp: 31216

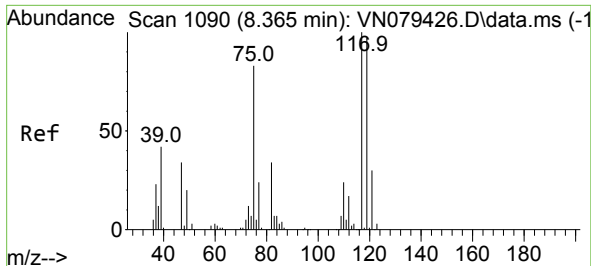
Ion Ratio Lower Upper

75 100

110 6.5 19.1 57.3#

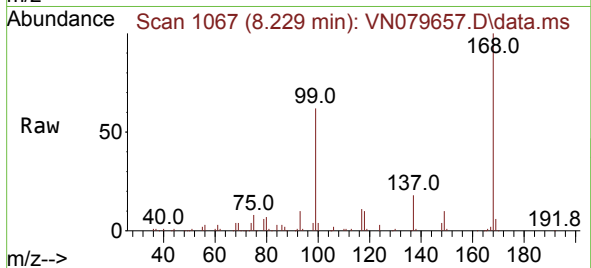
77 0.0 25.0 37.4#



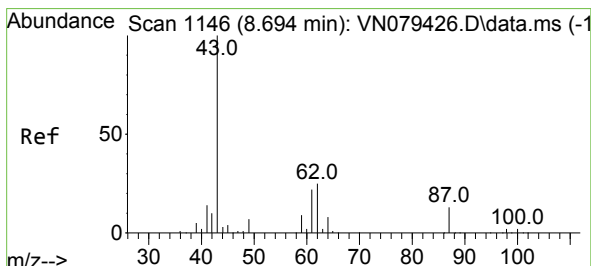
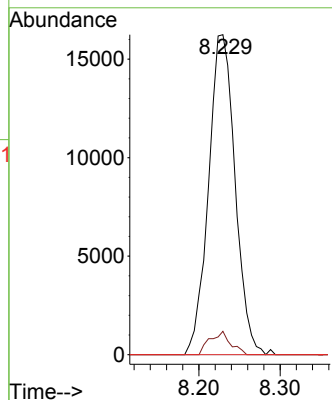
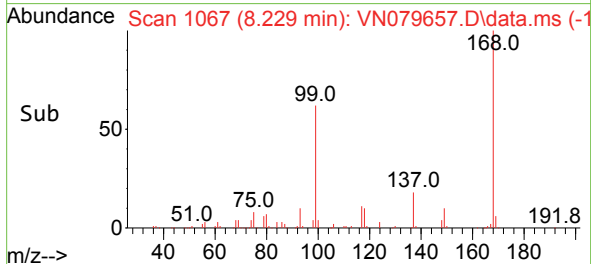


#38
Carbon Tetrachloride
Concen: 5.275 ug/l
RT: 8.229 min Scan# 1152
Delta R.T. -0.135 min
Lab File: VN079657.D
Acq: 24 Oct 2023 14:24

Instrument :
MSVOA_N
ClientSampleId :

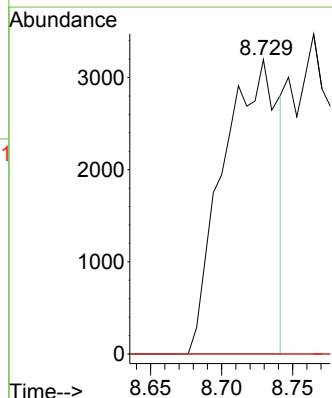
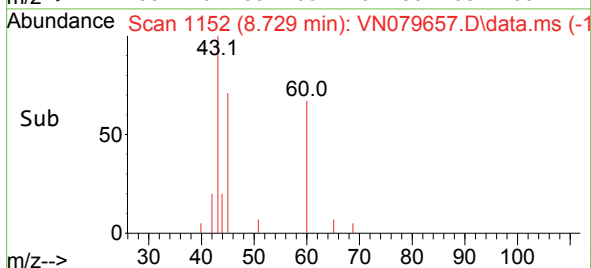
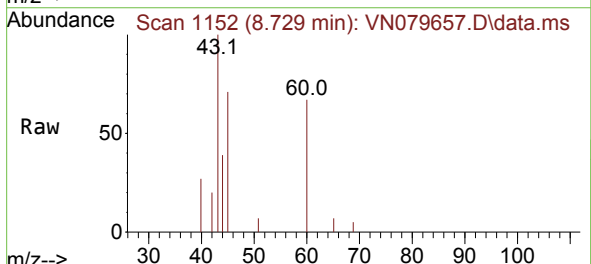


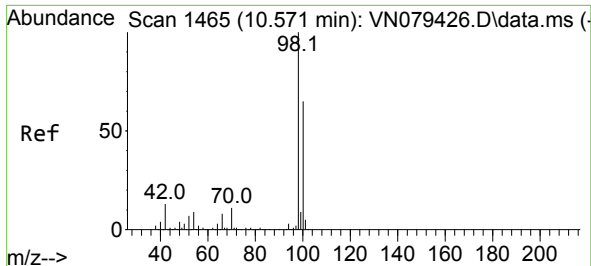
Tgt Ion:117 Resp: 37012
Ion Ratio Lower Upper
117 100
119 7.3 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.705 ug/l
RT: 8.729 min Scan# 1152
Delta R.T. 0.035 min
Lab File: VN079657.D
Acq: 24 Oct 2023 14:24

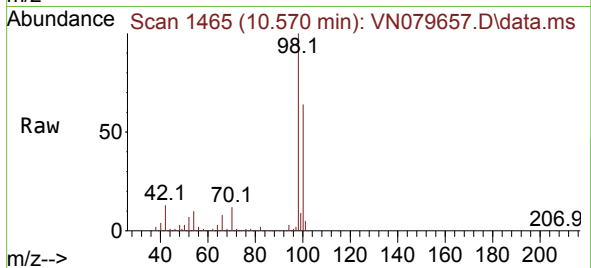
Tgt Ion: 43 Resp: 8612
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



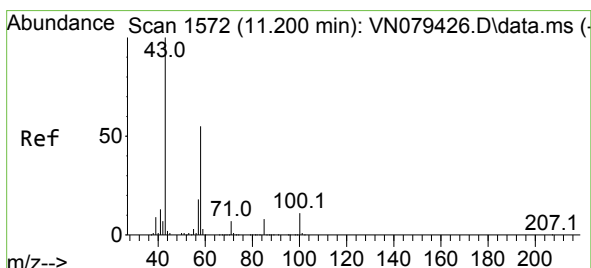
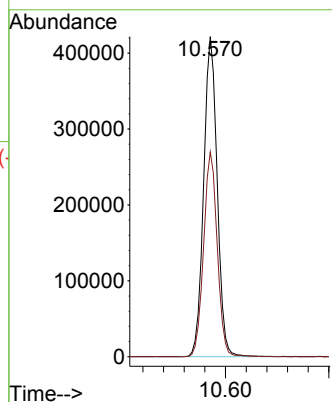
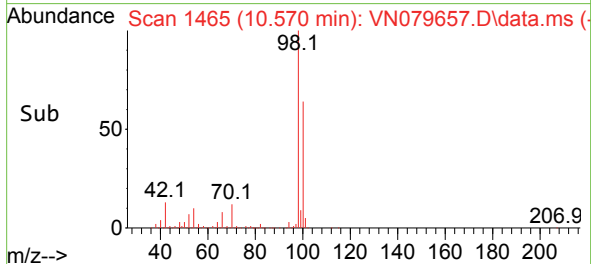


#50
Toluene-d8
Concen: 45.297 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079657.D
Acq: 24 Oct 2023 14:24

Instrument :
MSVOA_N
ClientSampleId :

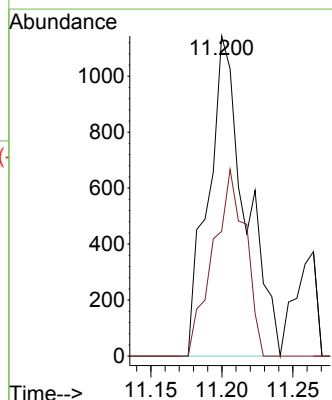
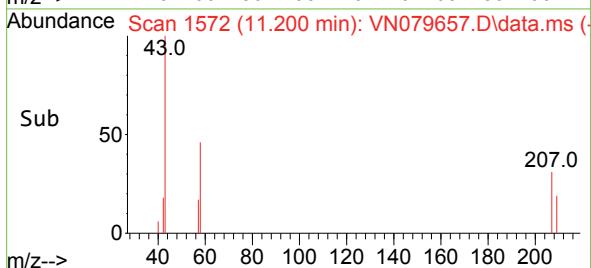
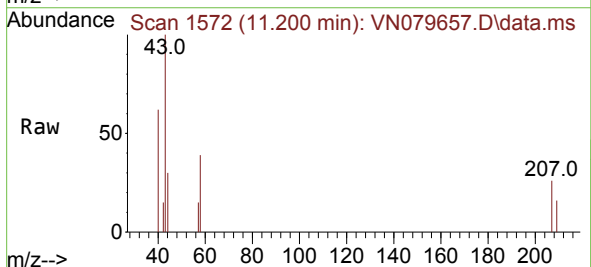


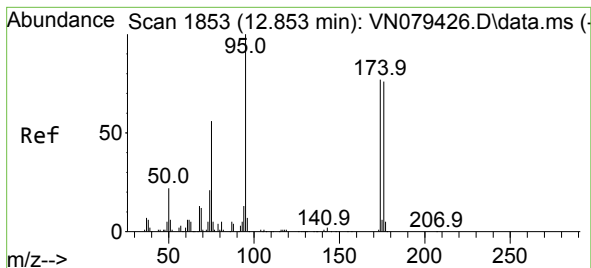
Tgt Ion: 98 Resp: 765335
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0



#59
2-Hexanone
Concen: 0.417 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. -0.000 min
Lab File: VN079657.D
Acq: 24 Oct 2023 14:24

Tgt Ion: 43 Resp: 2074
Ion Ratio Lower Upper
43 100
58 51.2 31.7 95.1

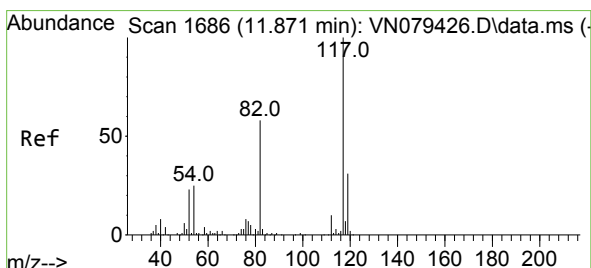
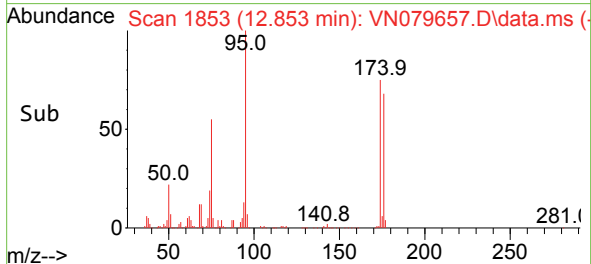
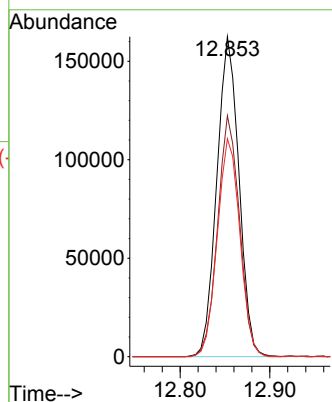
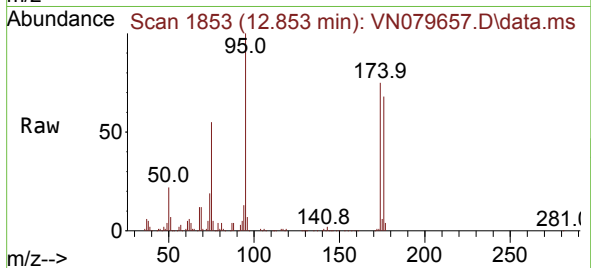




#62
4-Bromofluorobenzene
Concen: 51.334 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079657.D
Acq: 24 Oct 2023 14:24

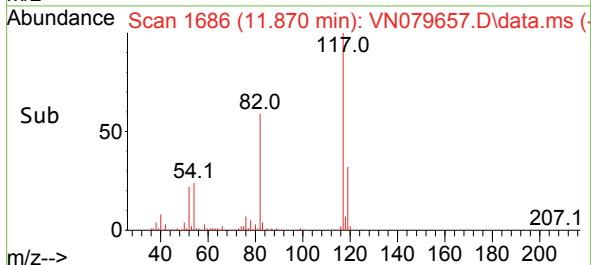
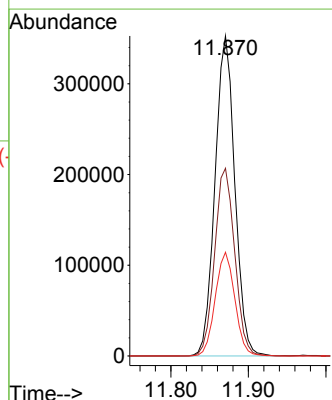
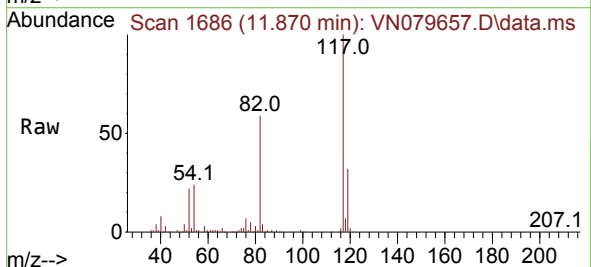
Instrument :
MSVOA_N
ClientSampleId :

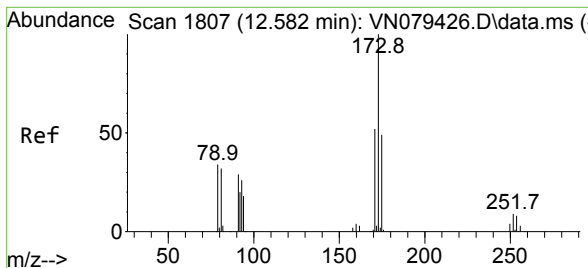
Tgt Ion: 95 Resp: 278346
Ion Ratio Lower Upper
95 100
174 74.7 0.0 143.8
176 69.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079657.D
Acq: 24 Oct 2023 14:24

Tgt Ion: 117 Resp: 626565
Ion Ratio Lower Upper
117 100
82 58.7 44.0 66.0
119 32.4 25.6 38.4





#71

Bromoform

Concen: 0.474 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

Lab File: VN079657.D

Acq: 24 Oct 2023 14:24

Instrument :

MSVOA_N

ClientSampleId :

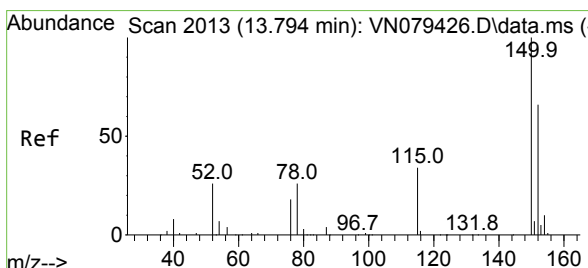
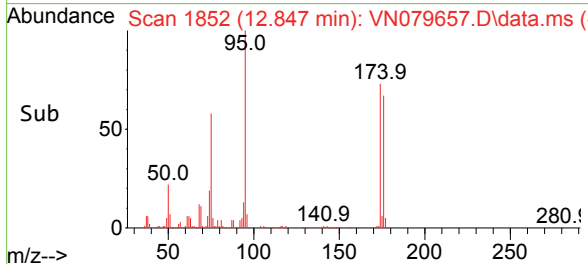
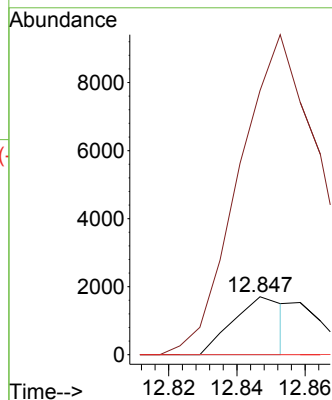
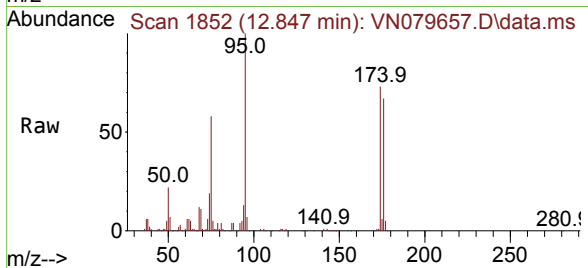
Tgt Ion:173 Resp: 1774

Ion Ratio Lower Upper

173 100

175 677.7 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: VN079657.D

Acq: 24 Oct 2023 14:24

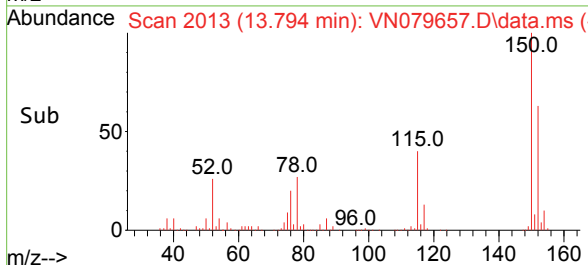
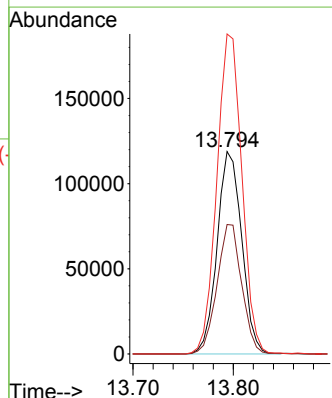
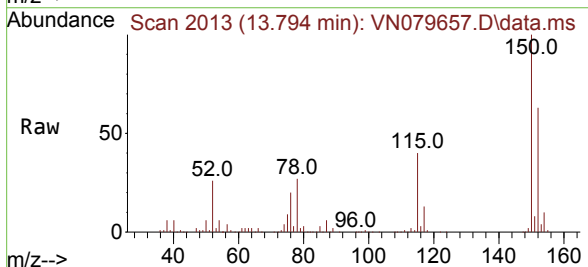
Tgt Ion:152 Resp: 202670

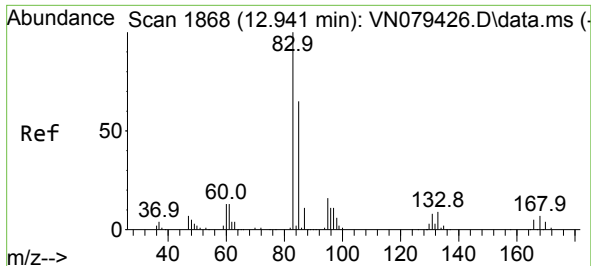
Ion Ratio Lower Upper

152 100

115 63.8 32.3 96.8

150 160.7 0.0 355.8

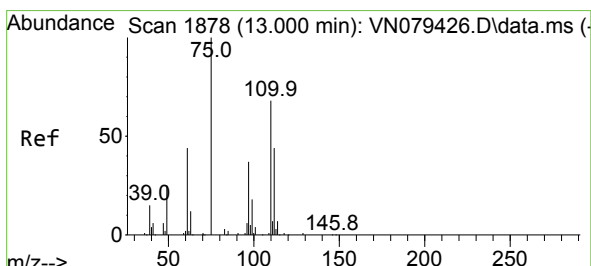
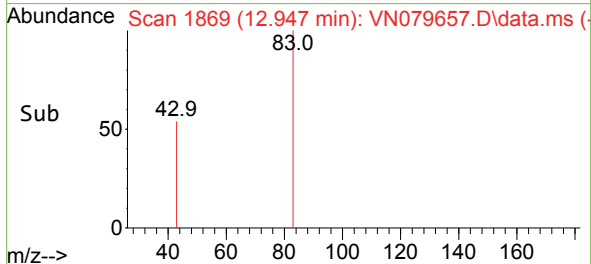
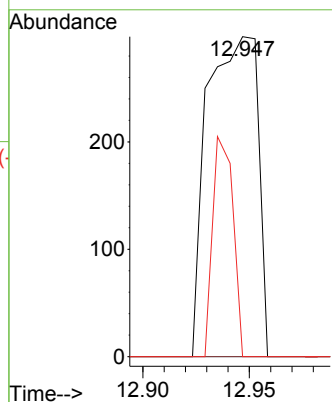
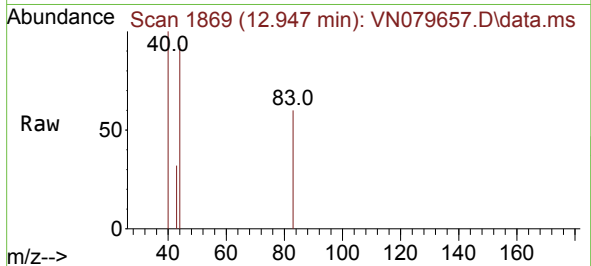




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.947 min Scan# 1869
Delta R.T. 0.006 min
Lab File: VN079657.D
Acq: 24 Oct 2023 14:24

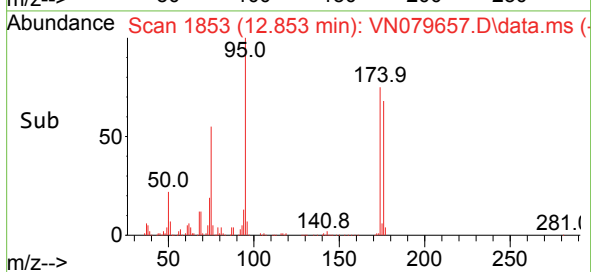
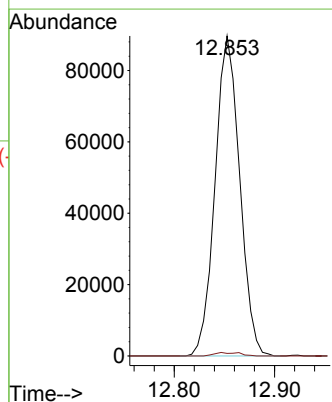
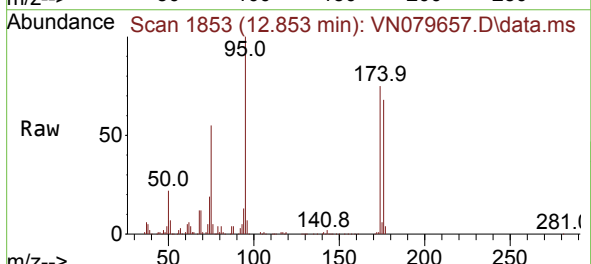
Instrument :
MSVOA_N
ClientSampleId :

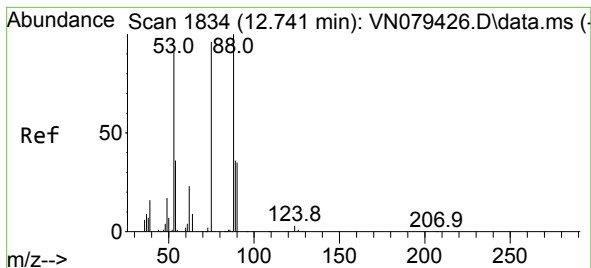
Tgt Ion: 83 Resp: 490
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 27.8 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 26.164 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079657.D
Acq: 24 Oct 2023 14:24

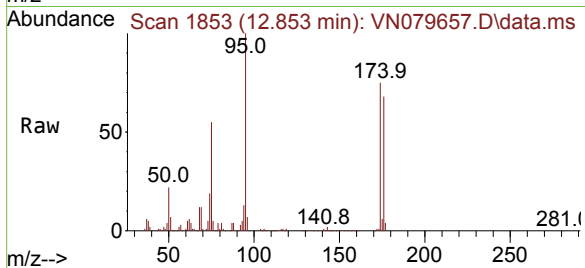
Tgt Ion: 75 Resp: 152888
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



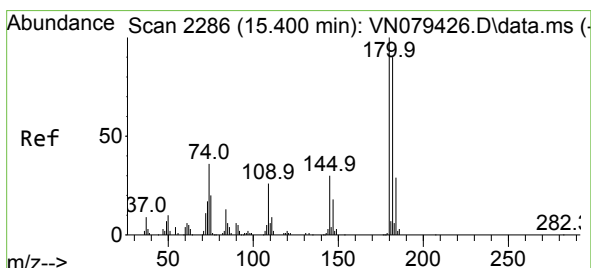
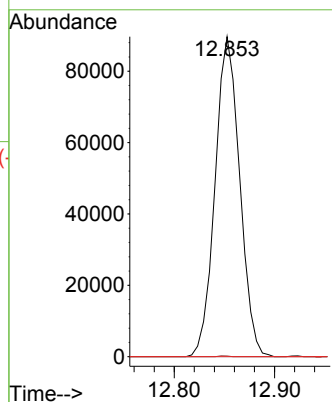
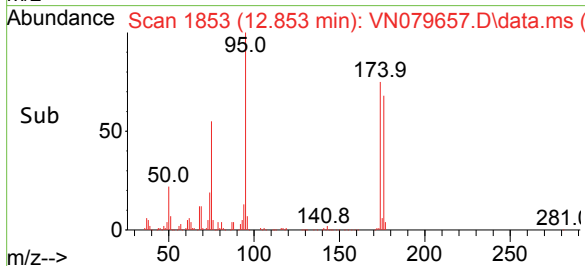


#81
trans-1,4-Dichloro-2-butene
Concen: 75.915 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079657.D
Acq: 24 Oct 2023 14:24

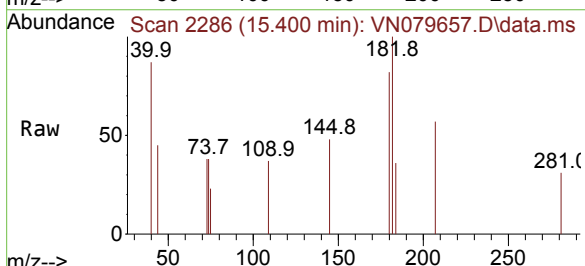
Instrument :
MSVOA_N
ClientSampleId :



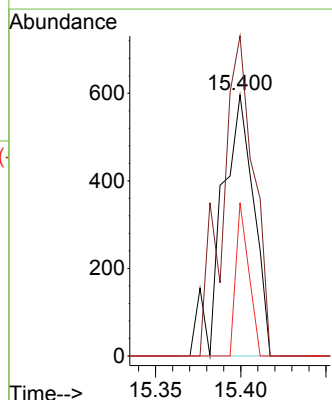
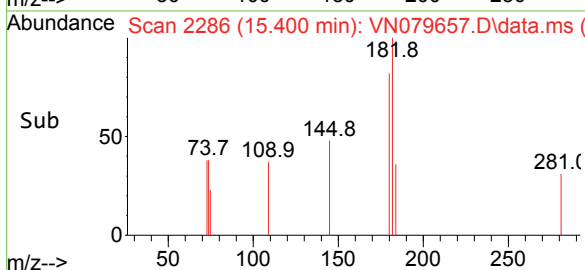
Tgt Ion: 75 Resp: 152888
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

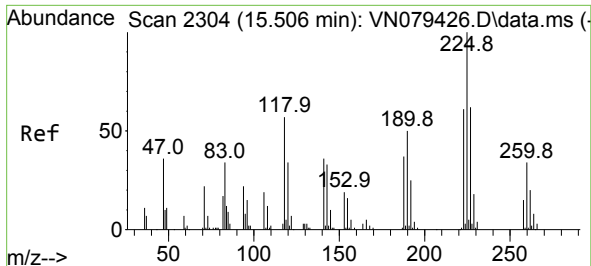


#93
1,2,4-Trichlorobenzene
Concen: 0.351 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. -0.000 min
Lab File: VN079657.D
Acq: 24 Oct 2023 14:24



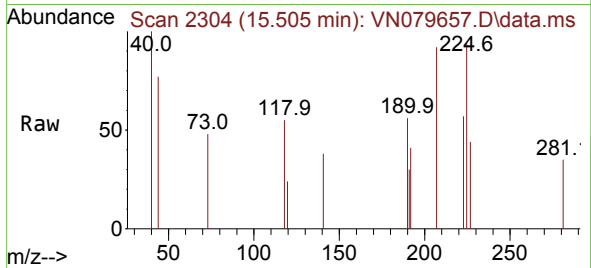
Tgt Ion: 180 Resp: 778
Ion Ratio Lower Upper
180 100
182 120.7 46.1 138.2
145 23.7 16.6 49.8



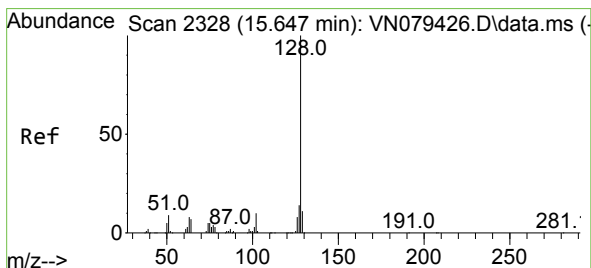
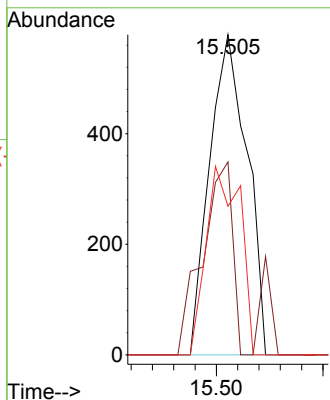
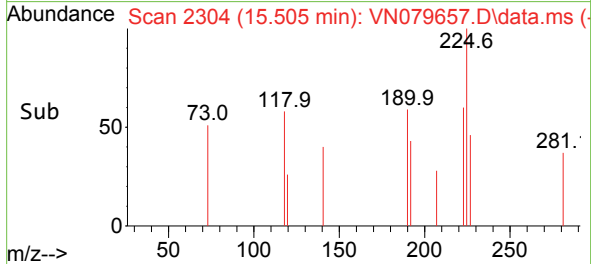


#94
Hexachlorobutadiene
Concen: 0.410 ug/l
RT: 15.505 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN079657.D
Acq: 24 Oct 2023 14:24

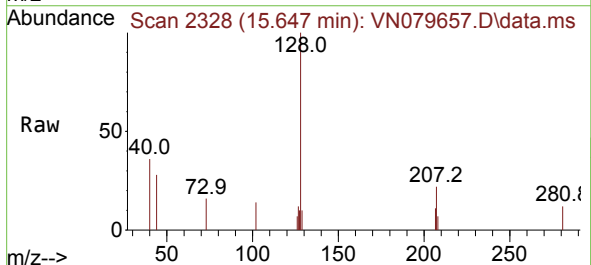
Instrument :
MSVOA_N
ClientSampleId :



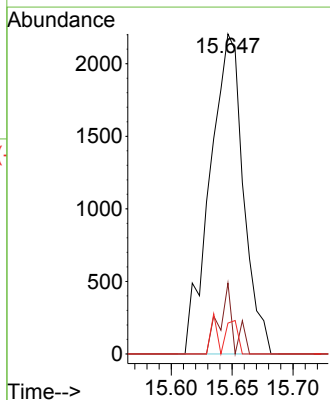
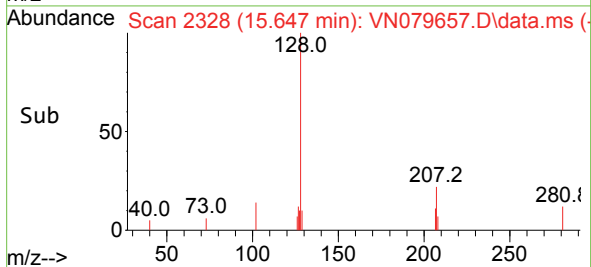
Tgt Ion:	225	Resp:	707
Ion	Ratio	Lower	Upper
225	100		
223	48.5	31.3	93.8
227	53.5	31.9	95.9

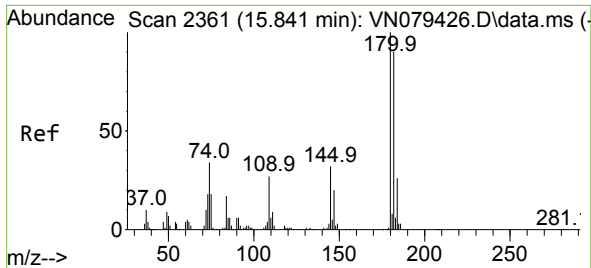


#95
Naphthalene
Concen: 0.621 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN079657.D
Acq: 24 Oct 2023 14:24



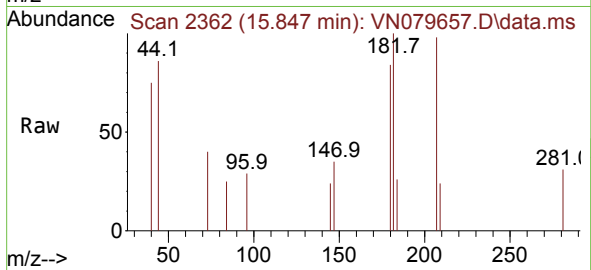
Tgt Ion:	128	Resp:	4202
Ion	Ratio	Lower	Upper
128	100		
127	9.6	10.0	15.0#
129	3.7	8.7	13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.399 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN079657.D
 Acq: 24 Oct 2023 14:24

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1054
Ion	Ratio	Lower	Upper
180	100		
182	134.3	46.2	138.6
145	17.7	17.5	52.6

