

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110323\
 Data File : VN079844.D
 Acq On : 03 Nov 2023 13:17
 Operator : JC\MD
 Sample : 05225-06RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 04 00:51:32 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	257685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	512840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	515442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	201190	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	211239	53.806	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.620%
35) Dibromofluoromethane	8.171	113	175610	48.382	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.760%
50) Toluene-d8	10.571	98	611060	45.731	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.460%
62) 4-Bromofluorobenzene	12.853	95	205181	46.300	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.600%

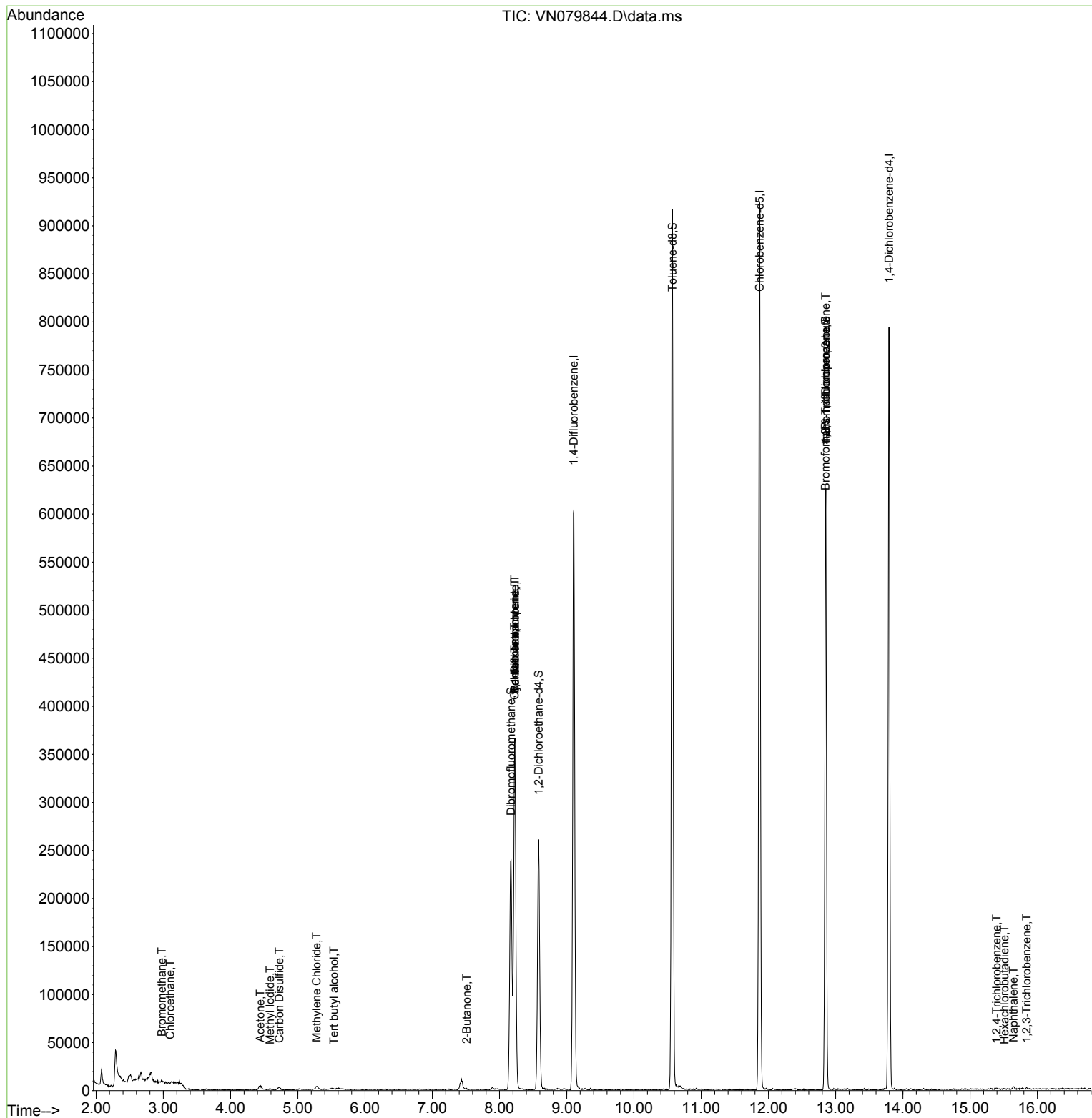
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	1929	Below Cal	#	62
5) Bromomethane	2.977	94	1132	0.459	ug/l #	74
6) Chloroethane	3.101	64	776	0.242	ug/l #	43
10) Methyl Iodide	4.589	142	1427	0.427	ug/l #	90
11) Tert butyl alcohol	5.536	59	139	0.277	ug/l #	72
16) Acetone	4.442	43	8990	6.519	ug/l #	82
17) Carbon Disulfide	4.724	76	4642	0.580	ug/l #	75
20) Methylene Chloride	5.277	84	2239	0.643	ug/l #	80
25) 2-Butanone	7.512	43	1541	0.763	ug/l	95
31) Cyclohexane	8.224	56	6852	1.321	ug/l #	19
36) 1,1-Dichloropropene	8.230	75	23344	4.504	ug/l #	48
38) Carbon Tetrachloride	8.230	117	27650	5.294	ug/l #	14
71) Bromoform	12.847	173	738	0.258	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	110082	23.306	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	110082	63.410	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.394	180	1077	0.345	ug/l #	69
94) Hexachlorobutadiene	15.511	225	288	0.204	ug/l #	65
95) Naphthalene	15.647	128	3166	0.299	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	714	0.233	ug/l #	70

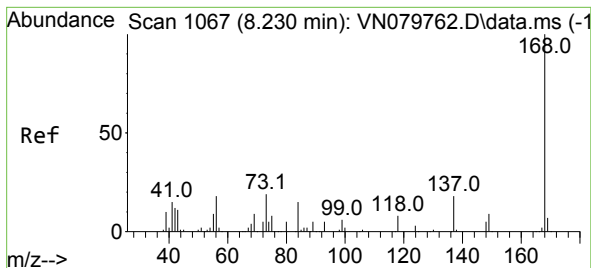
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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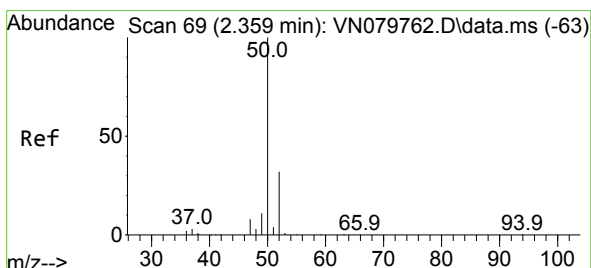
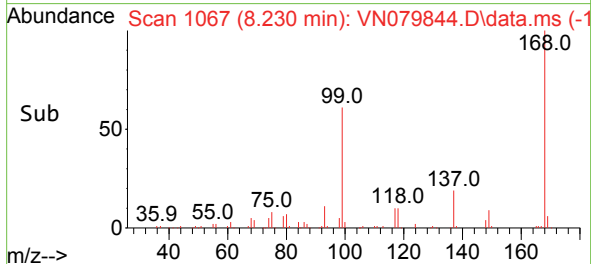
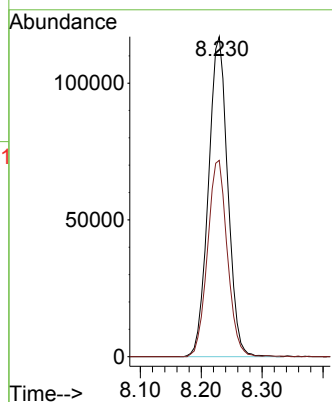
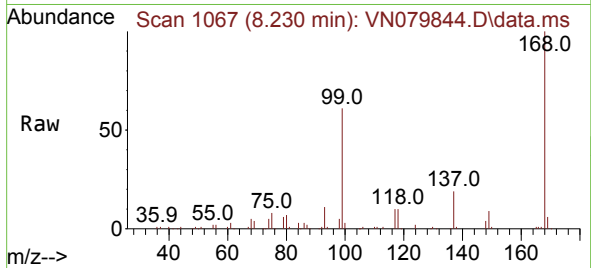




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN079844.D
Acq: 03 Nov 2023 13:17

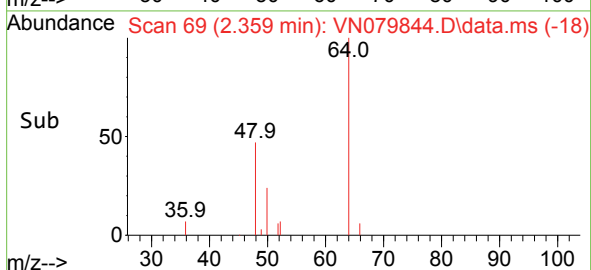
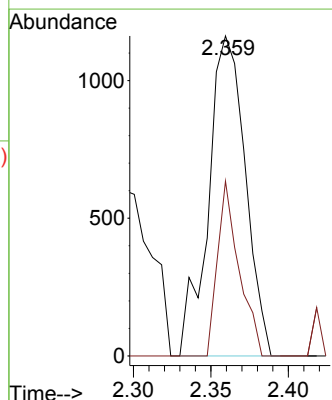
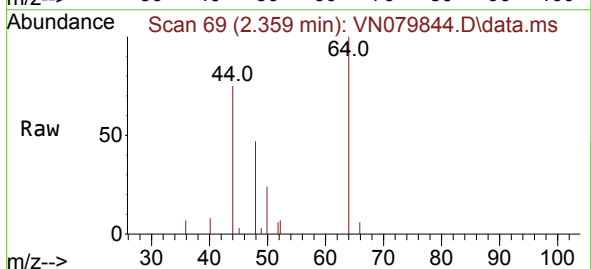
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 257685
Ion Ratio Lower Upper
168 100
99 61.3 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN079844.D
Acq: 03 Nov 2023 13:17

Tgt Ion: 50 Resp: 1929
Ion Ratio Lower Upper
50 100
52 54.6 26.5 39.7#

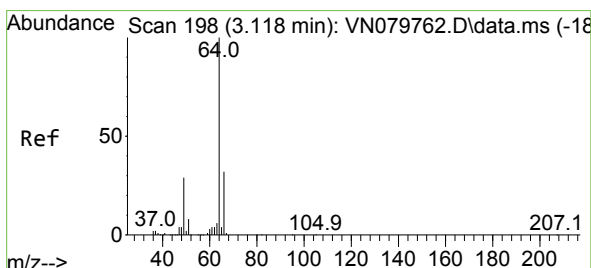
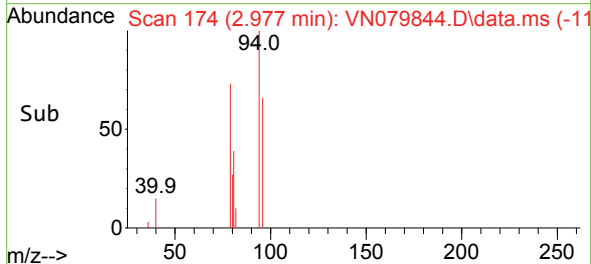
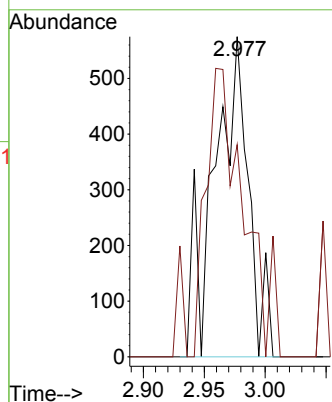
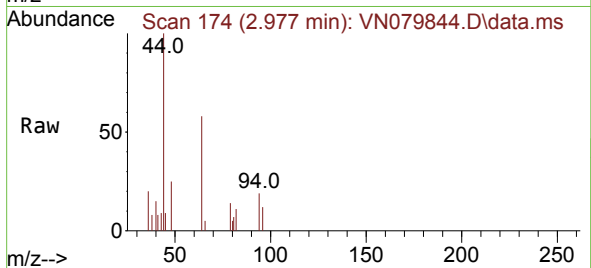




#5
Bromomethane
Concen: 0.459 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN079844.D
Acq: 03 Nov 2023 13:17

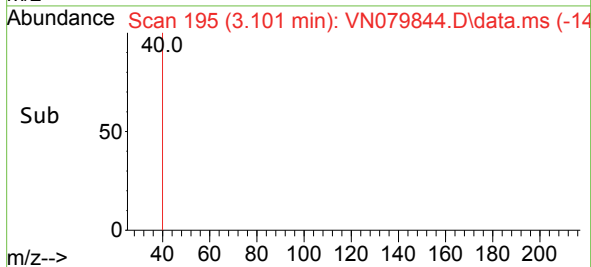
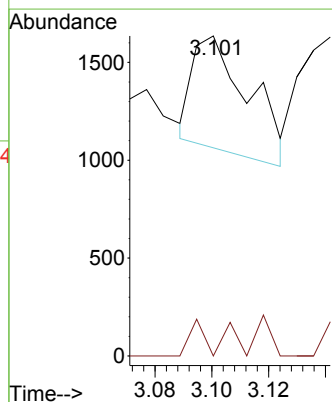
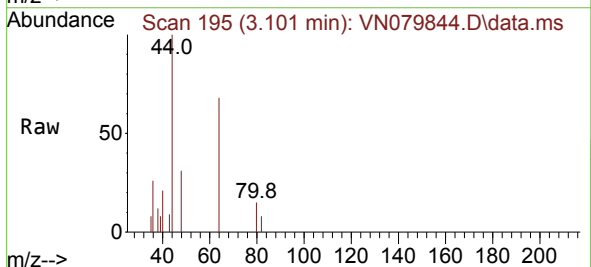
Instrument :
MSVOA_N
ClientSampleId :

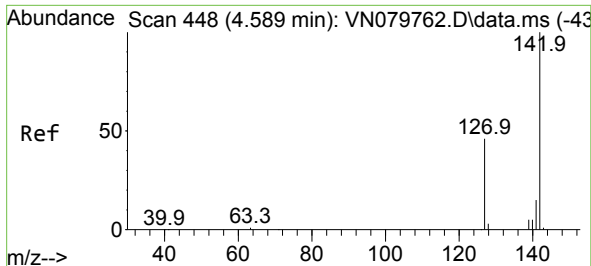
Tgt Ion: 94 Resp: 1132
Ion Ratio Lower Upper
94 100
96 66.3 73.1 109.7#



#6
Chloroethane
Concen: 0.242 ug/l
RT: 3.101 min Scan# 195
Delta R.T. -0.018 min
Lab File: VN079844.D
Acq: 03 Nov 2023 13:17

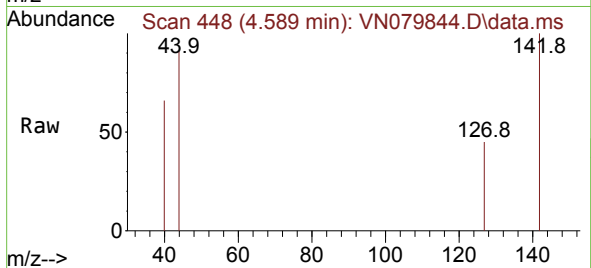
Tgt Ion: 64 Resp: 776
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



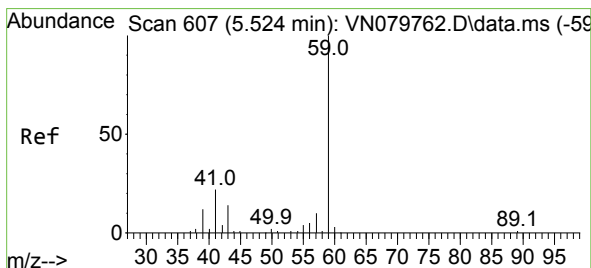
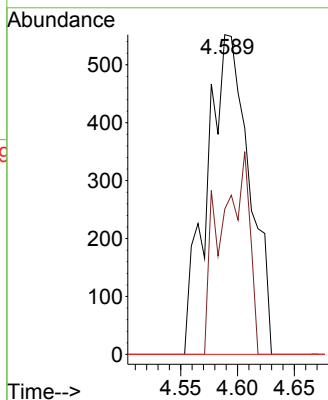
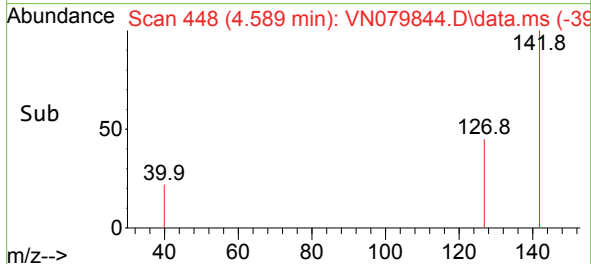


#10
Methyl Iodide
Concen: 0.427 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN079844.D
Acq: 03 Nov 2023 13:17

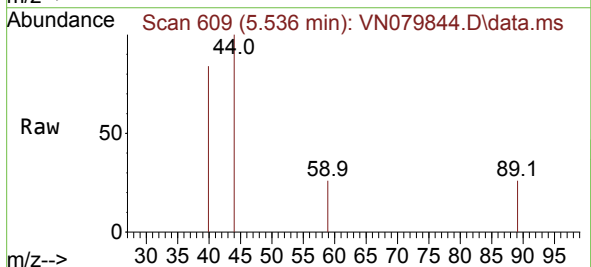
Instrument :
MSVOA_N
ClientSampleId :



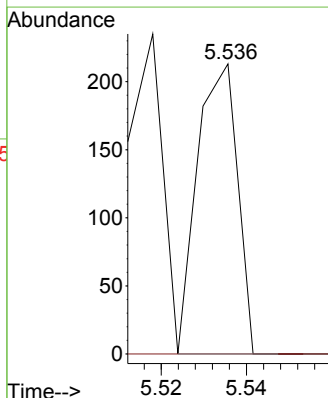
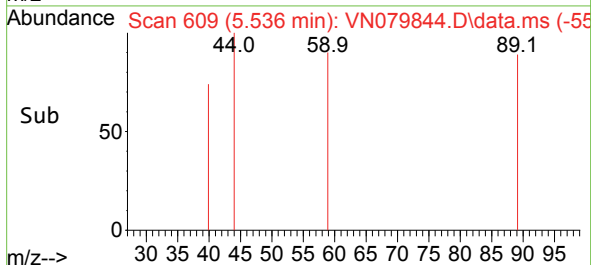
Tgt Ion:142 Resp: 1427
Ion Ratio Lower Upper
142 100
127 45.5 37.6 56.4
141 0.0 11.4 17.0#

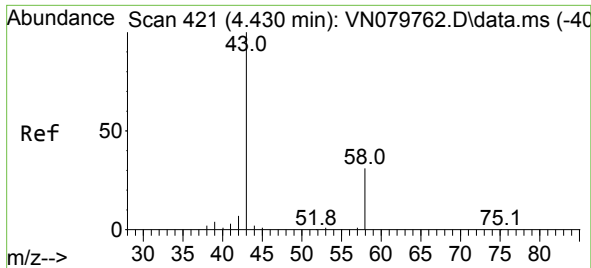


#11
Tert butyl alcohol
Concen: 0.277 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.018 min
Lab File: VN079844.D
Acq: 03 Nov 2023 13:17



Tgt Ion: 59 Resp: 139
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

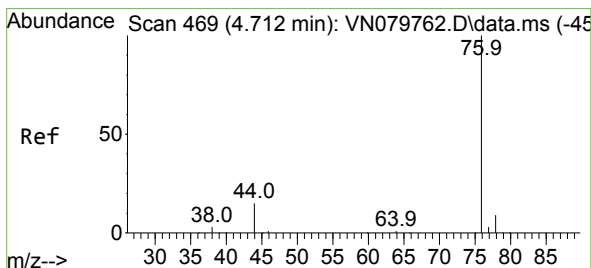
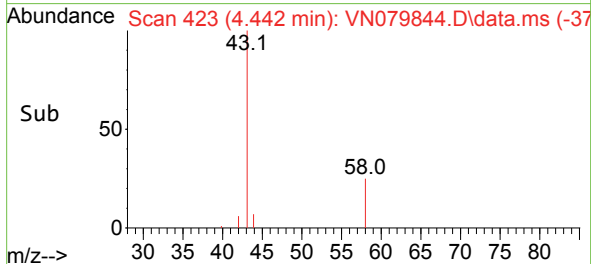
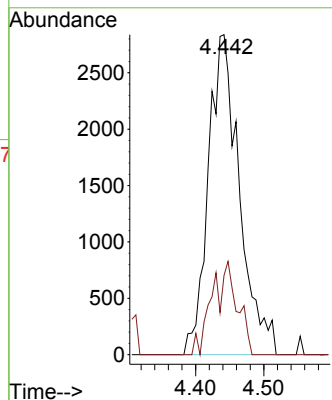
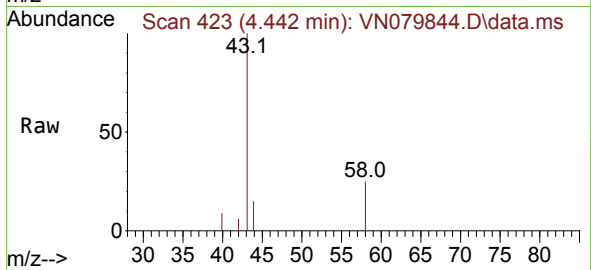




#16
Acetone
Concen: 6.519 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN079844.D
Acq: 03 Nov 2023 13:17

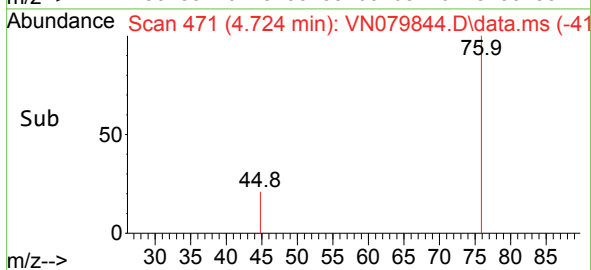
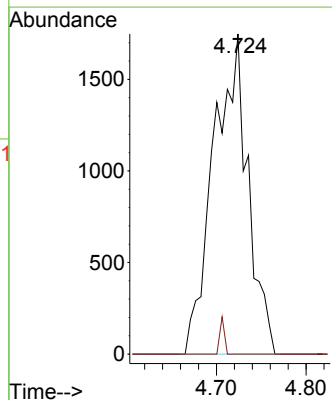
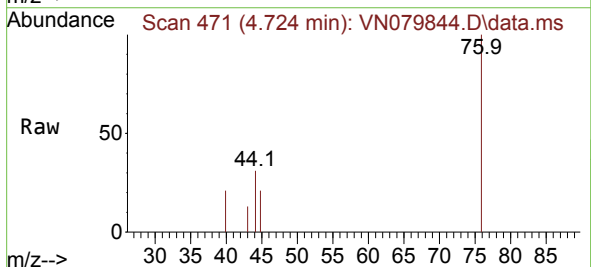
Instrument :
MSVOA_N
ClientSampleId :

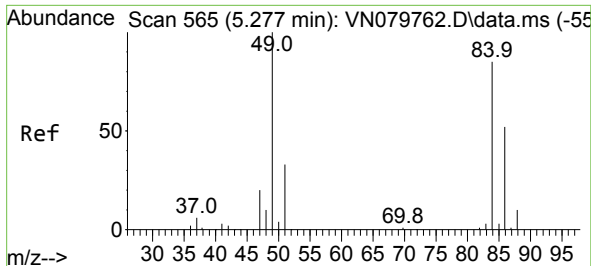
Tgt Ion: 43 Resp: 8990
Ion Ratio Lower Upper
43 100
58 24.8 28.0 42.0#



#17
Carbon Disulfide
Concen: 0.580 ug/l
RT: 4.724 min Scan# 471
Delta R.T. 0.012 min
Lab File: VN079844.D
Acq: 03 Nov 2023 13:17

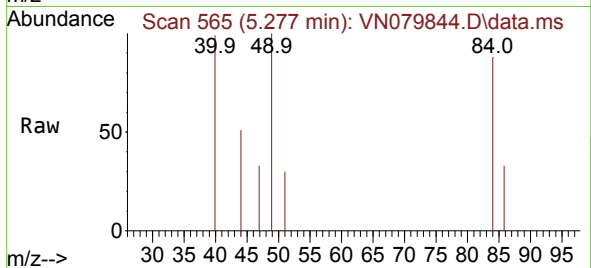
Tgt Ion: 76 Resp: 4642
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





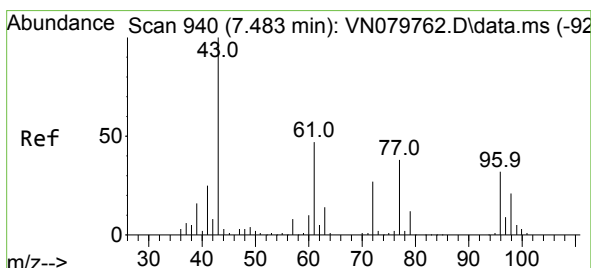
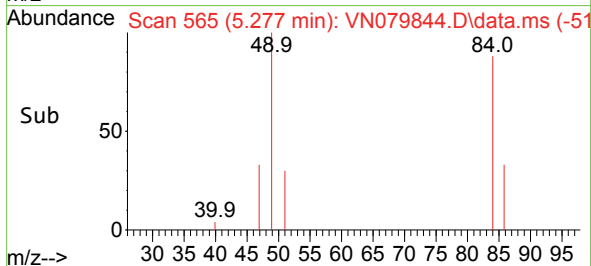
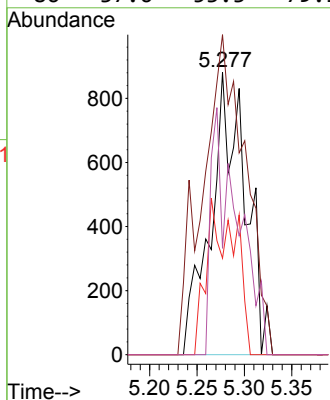
#20
Methylene Chloride
Concen: 0.643 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN079844.D
Acq: 03 Nov 2023 13:17

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 2239

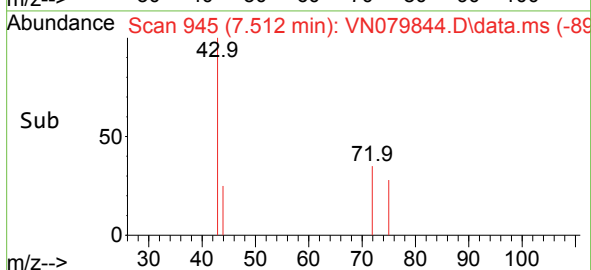
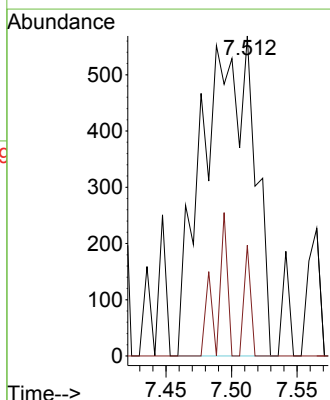
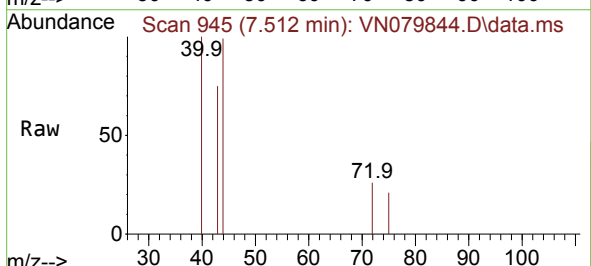
Ion	Ratio	Lower	Upper
84	100		
49	113.3	79.7	119.5
51	34.1	25.2	37.8
86	37.6	53.3	79.9

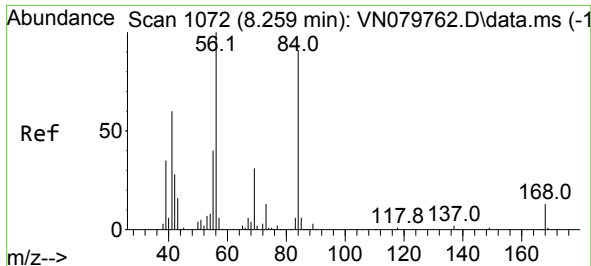


#25
2-Butanone
Concen: 0.763 ug/l
RT: 7.512 min Scan# 945
Delta R.T. 0.024 min
Lab File: VN079844.D
Acq: 03 Nov 2023 13:17

Tgt Ion: 43 Resp: 1541

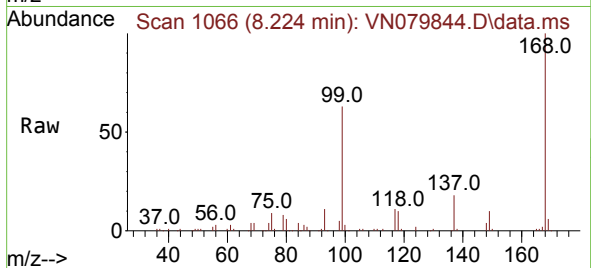
Ion	Ratio	Lower	Upper
43	100		
72	34.6	30.2	45.2



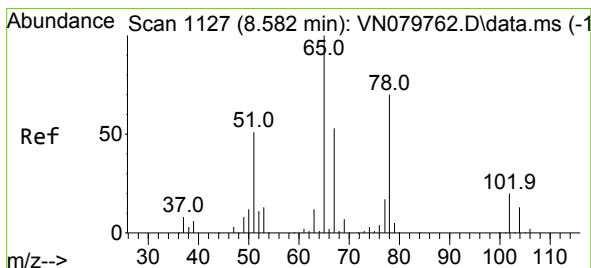
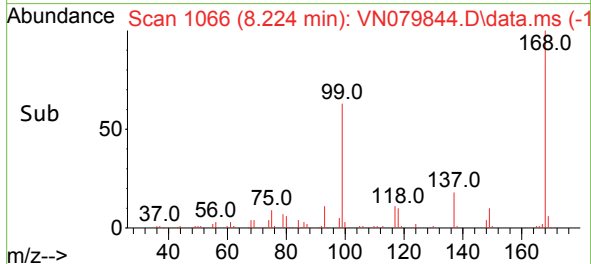
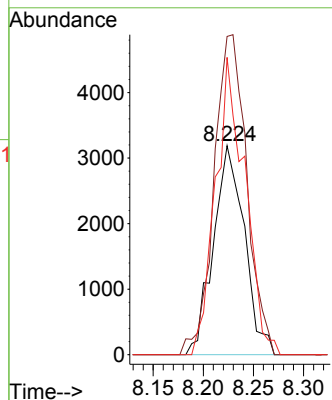


#31
Cyclohexane
Concen: 1.321 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN079844.D
Acq: 03 Nov 2023 13:17

Instrument :
MSVOA_N
ClientSampleId :

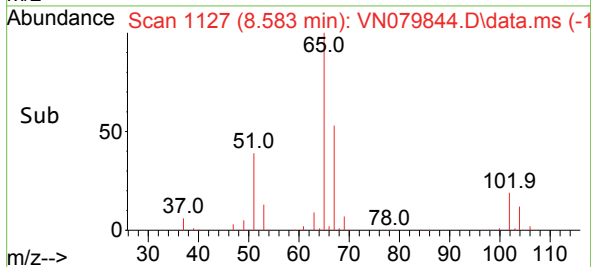
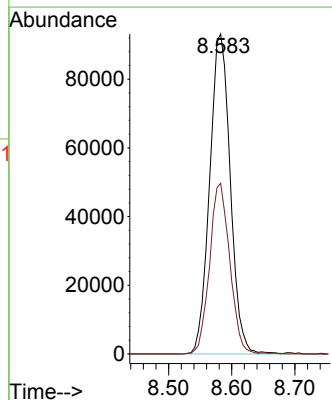
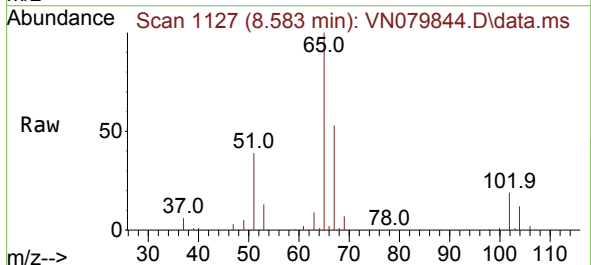


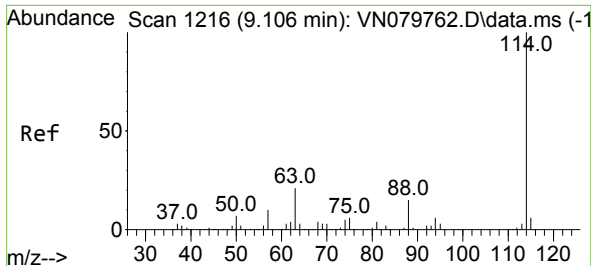
Tgt Ion: 56 Resp: 6852
Ion Ratio Lower Upper
56 100
69 152.4 26.8 40.2#
84 142.3 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 53.806 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079844.D
Acq: 03 Nov 2023 13:17

Tgt Ion: 65 Resp: 211239
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.6

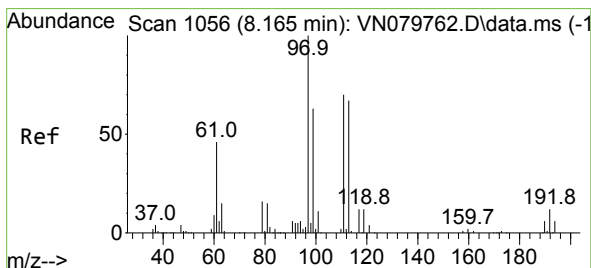
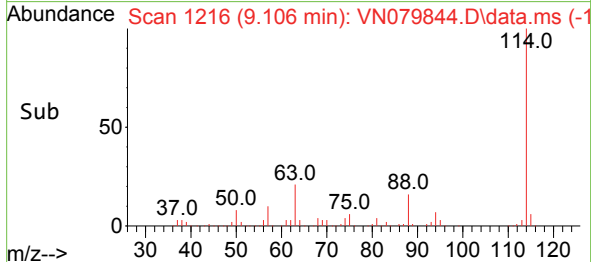
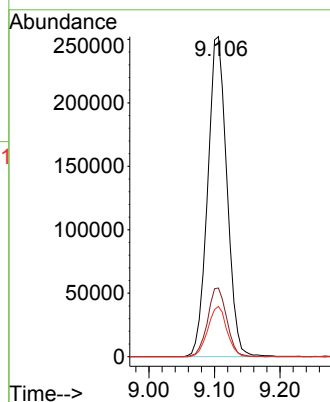
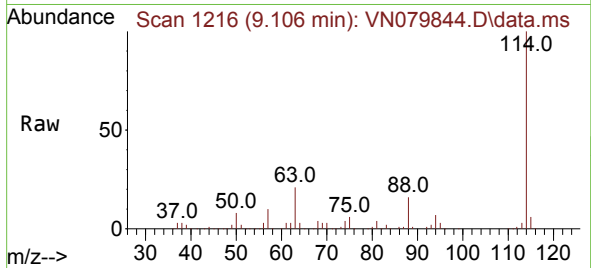




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079844.D
Acq: 03 Nov 2023 13:17

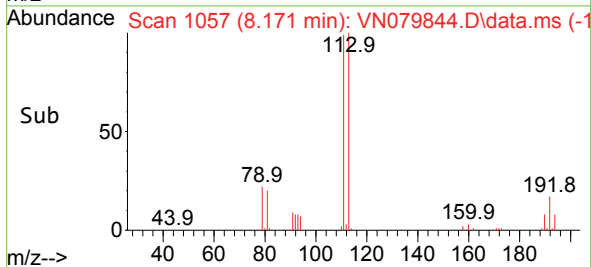
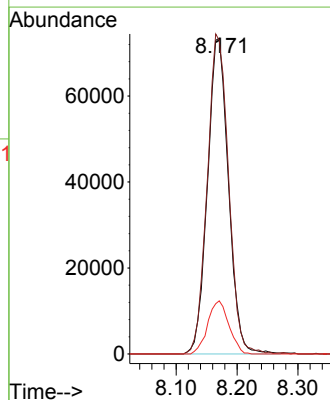
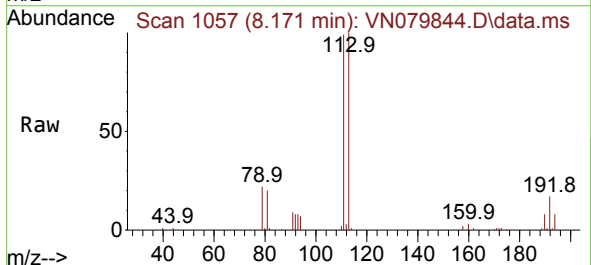
Instrument :
MSVOA_N
ClientSampleId :

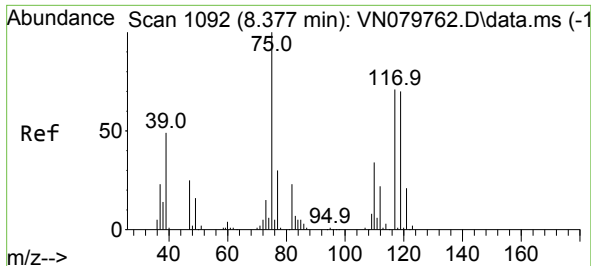
Tgt Ion:114 Resp: 512840
Ion Ratio Lower Upper
114 100
63 21.4 0.0 36.4
88 15.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.382 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079844.D
Acq: 03 Nov 2023 13:17

Tgt Ion:113 Resp: 175610
Ion Ratio Lower Upper
113 100
111 103.0 82.6 123.8
192 17.0 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.504 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

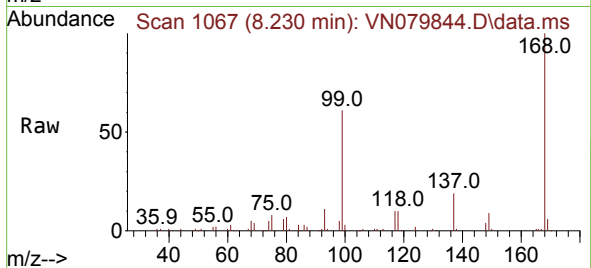
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Acq: 03 Nov 2023 13:17

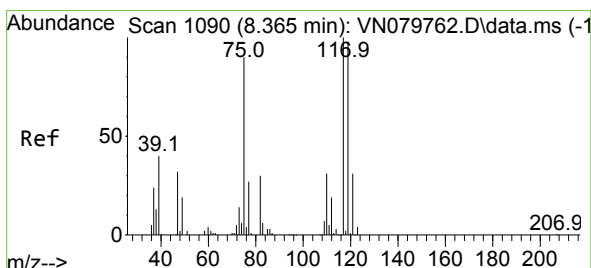
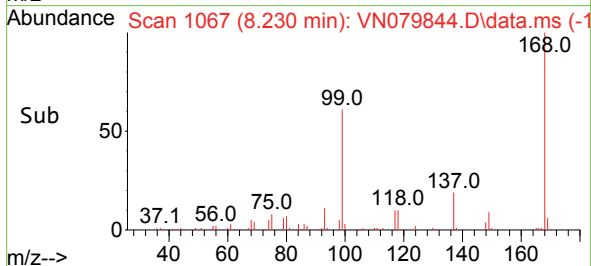
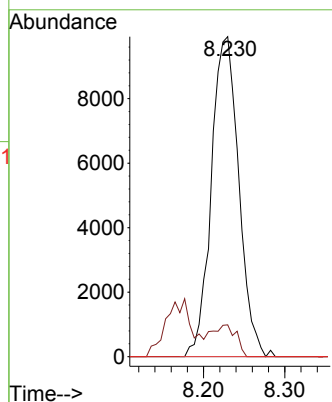
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 23344
Ion Ratio	Lower Upper
75	100
110	9.1 19.1 57.3#
77	0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.294 ug/l

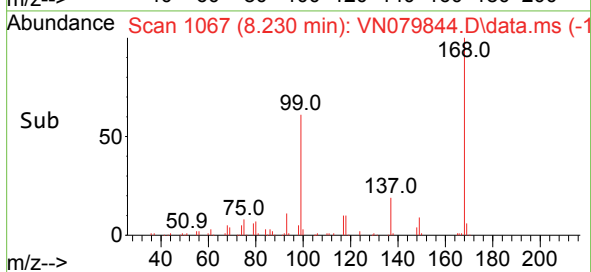
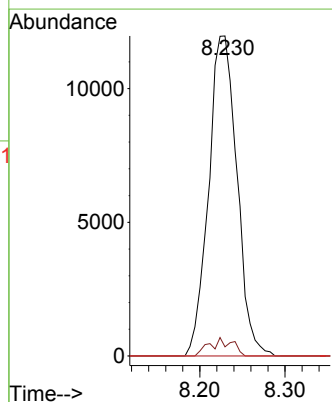
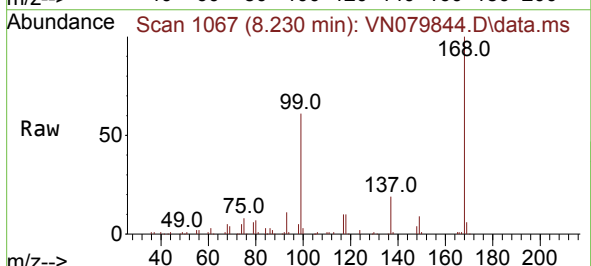
RT: 8.230 min Scan# 1067

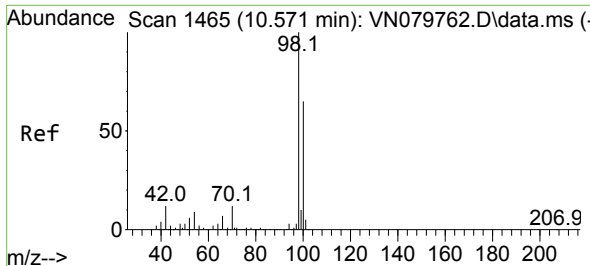
Delta R.T. -0.129 min

Lab File: VN079844.D

Acq: 03 Nov 2023 13:17

Tgt Ion: 117	Resp: 27650
Ion Ratio	Lower Upper
117	100
119	2.8 77.3 115.9#
121	0.0 23.3 34.9#

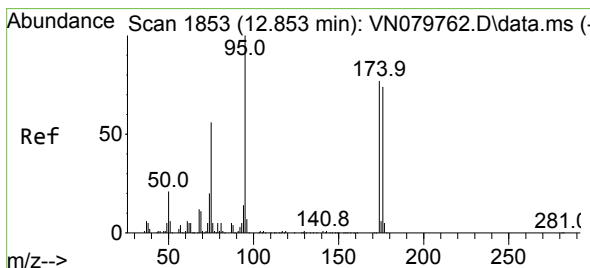
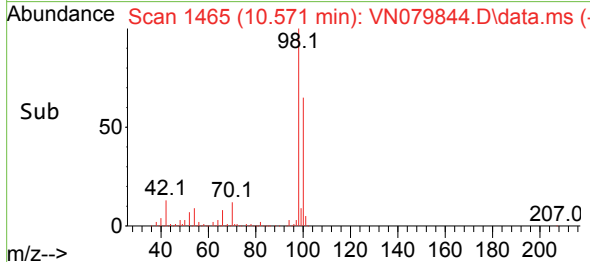
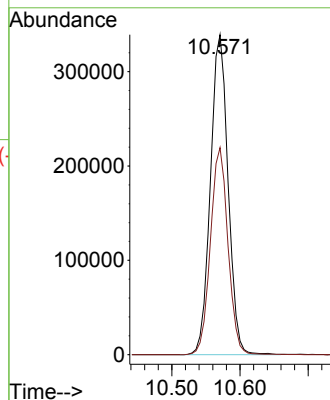
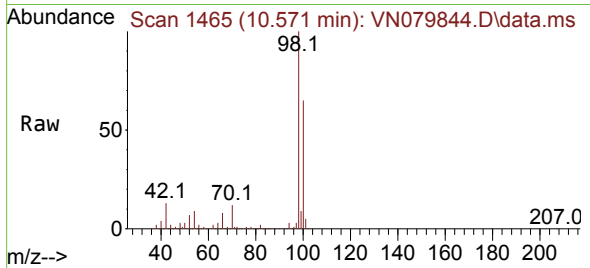




#50
Toluene-d8
Concen: 45.731 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079844.D
Acq: 03 Nov 2023 13:17

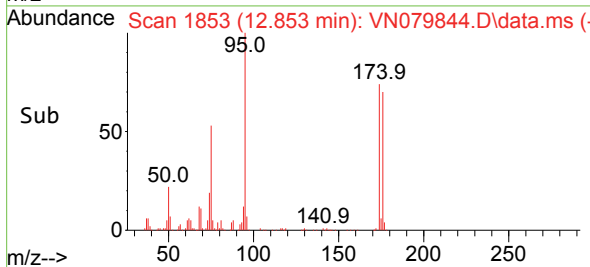
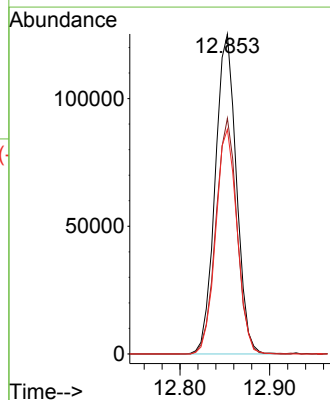
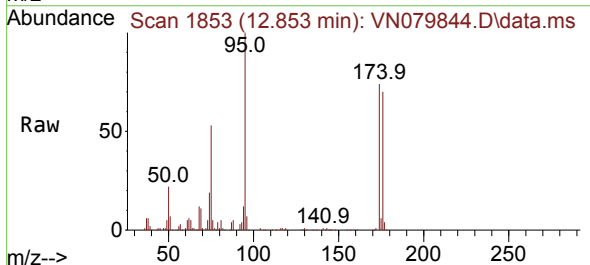
Instrument :
MSVOA_N
ClientSampleId :

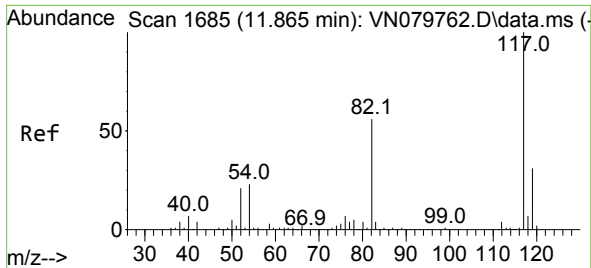
Tgt Ion: 98 Resp: 611060
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 46.300 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079844.D
Acq: 03 Nov 2023 13:17

Tgt Ion: 95 Resp: 205181
Ion Ratio Lower Upper
95 100
174 73.5 0.0 143.8
176 70.8 0.0 135.8

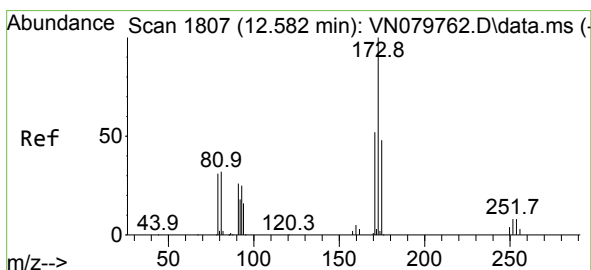
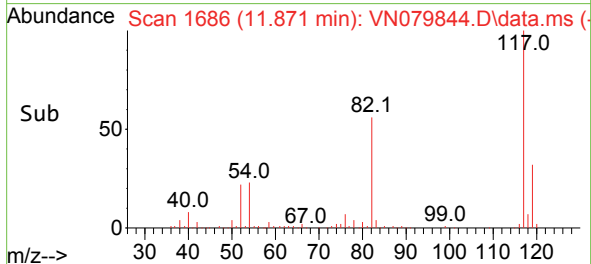
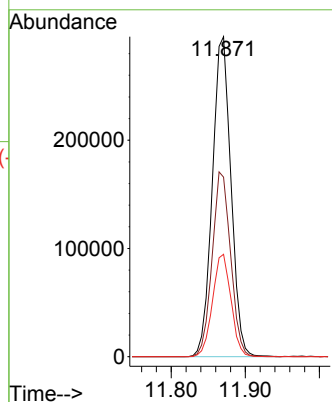
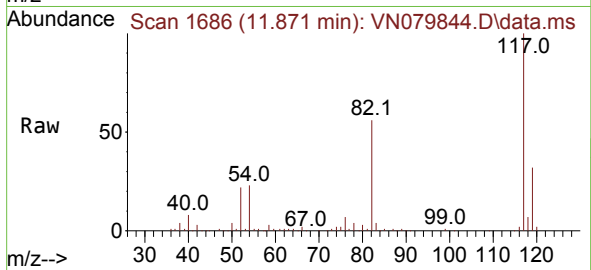




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079844.D
Acq: 03 Nov 2023 13:17

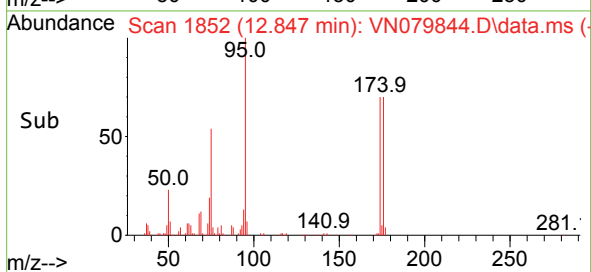
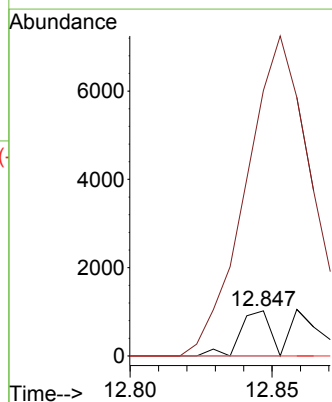
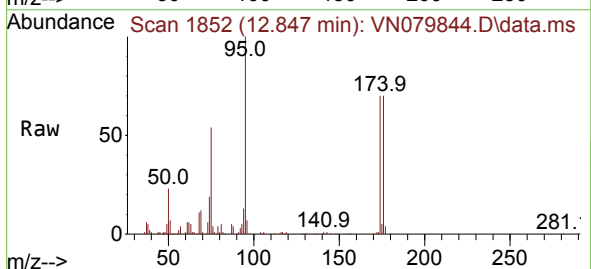
Instrument :
MSVOA_N
ClientSampleId :

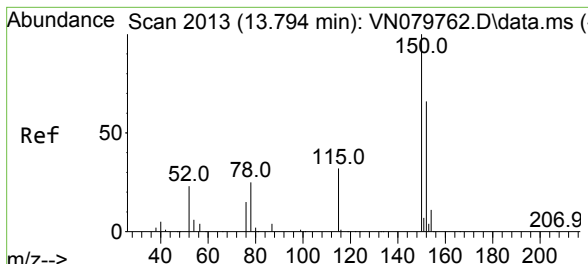
Tgt Ion:117 Resp: 515442
Ion Ratio Lower Upper
117 100
82 56.1 44.0 66.0
119 32.0 25.6 38.4



#71
Bromoform
Concen: 0.258 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN079844.D
Acq: 03 Nov 2023 13:17

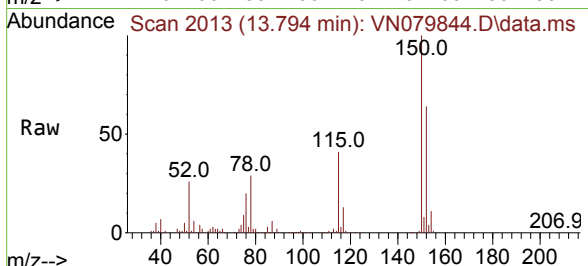
Tgt Ion:173 Resp: 738
Ion Ratio Lower Upper
173 100
175 1265.9 24.3 73.0#
254 0.0 0.0 0.0



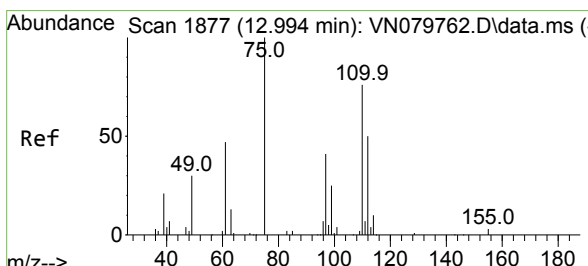
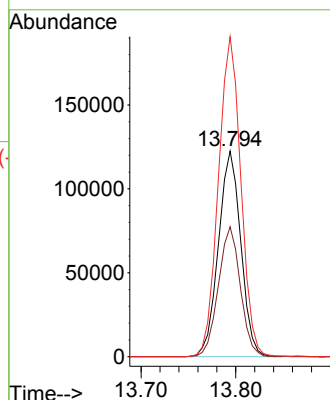
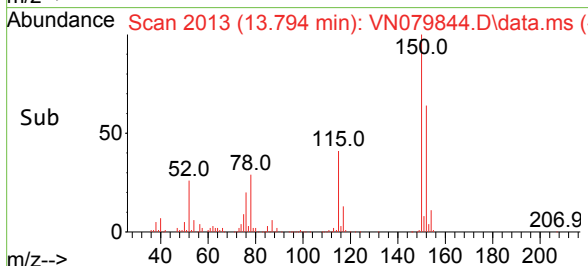


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN079844.D
 Acq: 03 Nov 2023 13:17

Instrument :
 MSVOA_N
 ClientSampleId :

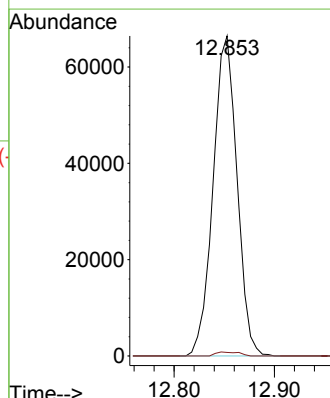
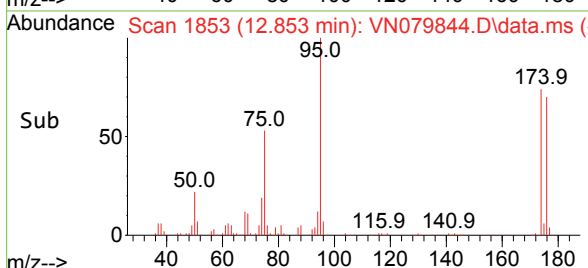
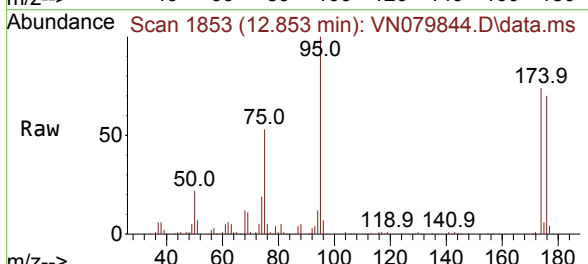


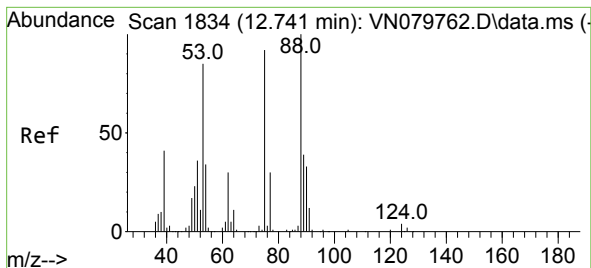
Tgt Ion:152 Resp: 201190
 Ion Ratio Lower Upper
 152 100
 115 62.0 32.3 96.8
 150 156.4 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 23.306 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN079844.D
 Acq: 03 Nov 2023 13:17

Tgt Ion: 75 Resp: 110082
 Ion Ratio Lower Upper
 75 100
 77 1.2 84.5 253.5#

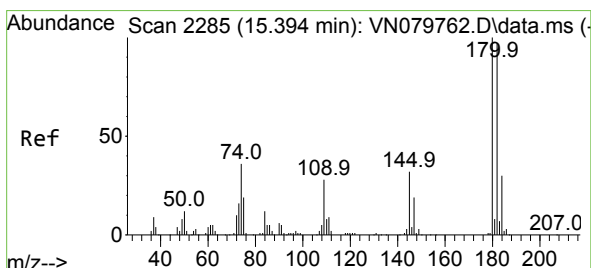
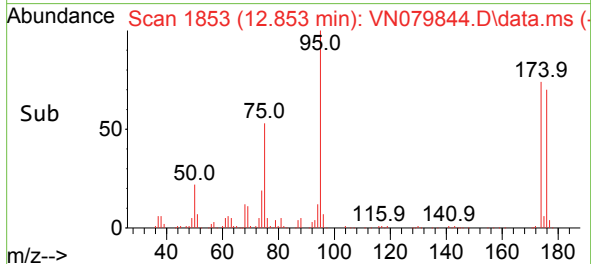
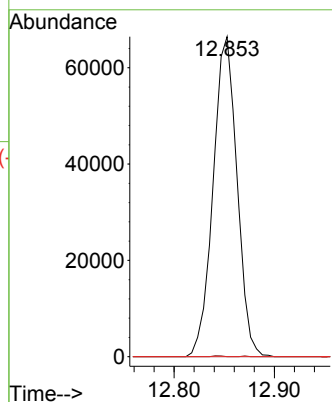
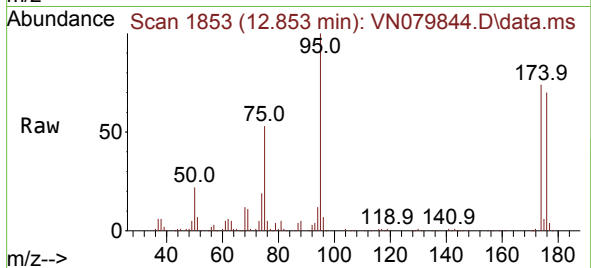




#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.410 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN079844.D
 Acq: 03 Nov 2023 13:17

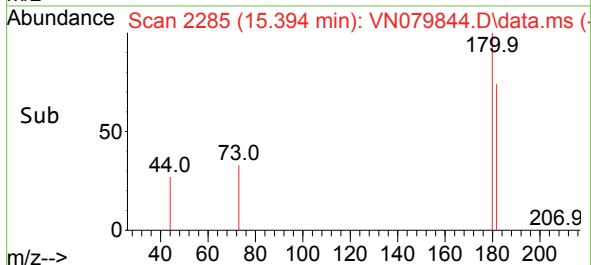
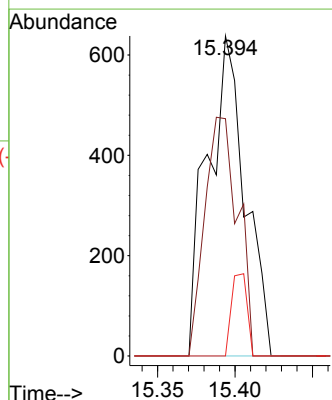
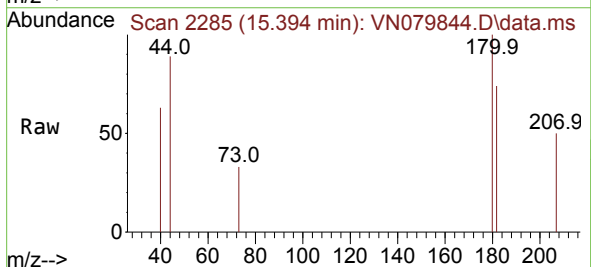
Instrument :
 MSVOA_N
 ClientSampleId :

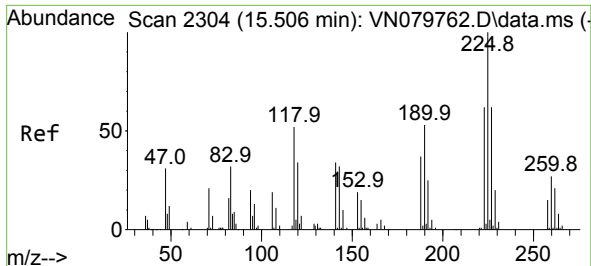
Tgt Ion: 75 Resp: 110082
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.345 ug/l
 RT: 15.394 min Scan# 2285
 Delta R.T. 0.000 min
 Lab File: VN079844.D
 Acq: 03 Nov 2023 13:17

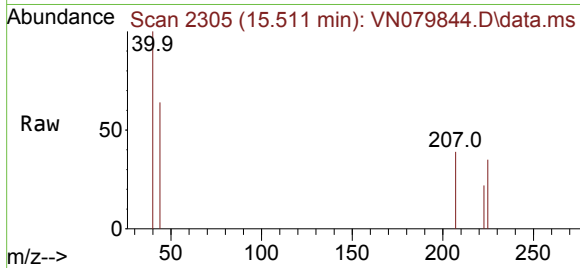
Tgt Ion:180 Resp: 1077
 Ion Ratio Lower Upper
 180 100
 182 65.7 46.1 138.2
 145 10.6 16.6 49.8#



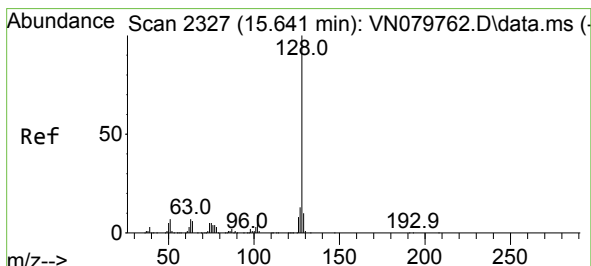
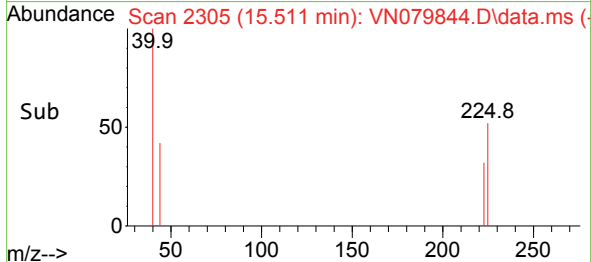
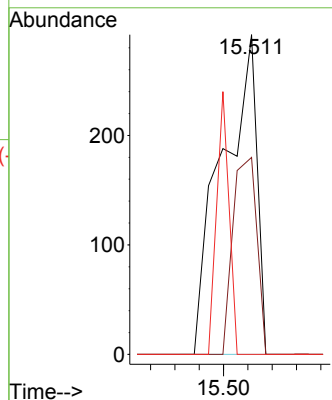


#94
Hexachlorobutadiene
Concen: 0.204 ug/l
RT: 15.511 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN079844.D
Acq: 03 Nov 2023 13:17

Instrument :
MSVOA_N
ClientSampleId :

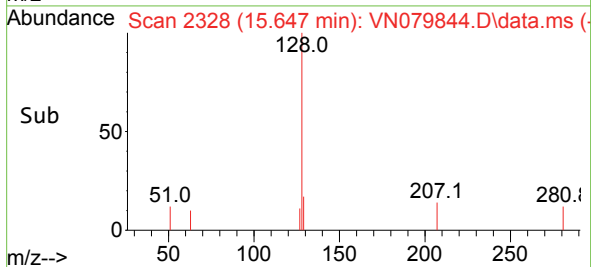
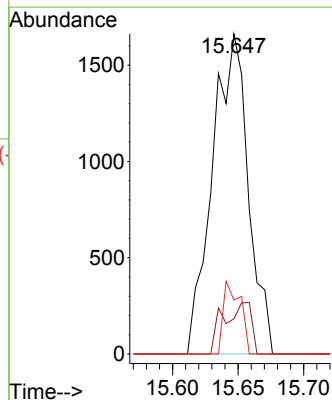
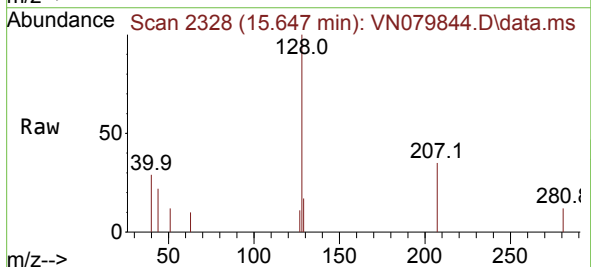


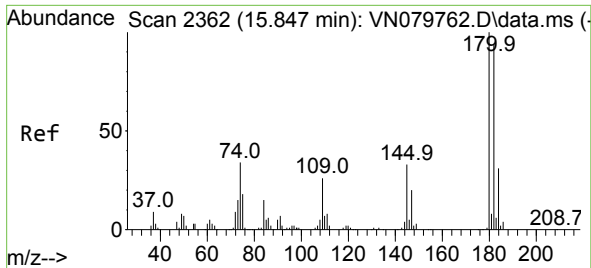
Tgt Ion:225 Resp: 288
Ion Ratio Lower Upper
225 100
223 42.7 31.3 93.8
227 29.5 31.9 95.9#



#95
Naphthalene
Concen: 0.299 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN079844.D
Acq: 03 Nov 2023 13:17

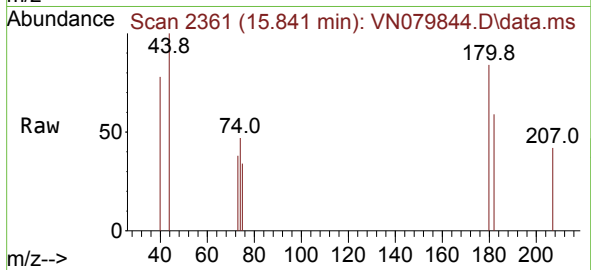
Tgt Ion:128 Resp: 3166
Ion Ratio Lower Upper
128 100
127 12.4 10.0 15.0
129 10.7 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.233 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN079844.D
 Acq: 03 Nov 2023 13:17

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 714
 Ion Ratio Lower Upper
 180 100
 182 115.7 46.2 138.6
 145 8.0 17.5 52.6#

