

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061523\
 Data File : VN078229.D
 Acq On : 15 Jun 2023 15:32
 Operator : JC\MD
 Sample : 03259-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-061423

Quant Time: Jun 16 06:08:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

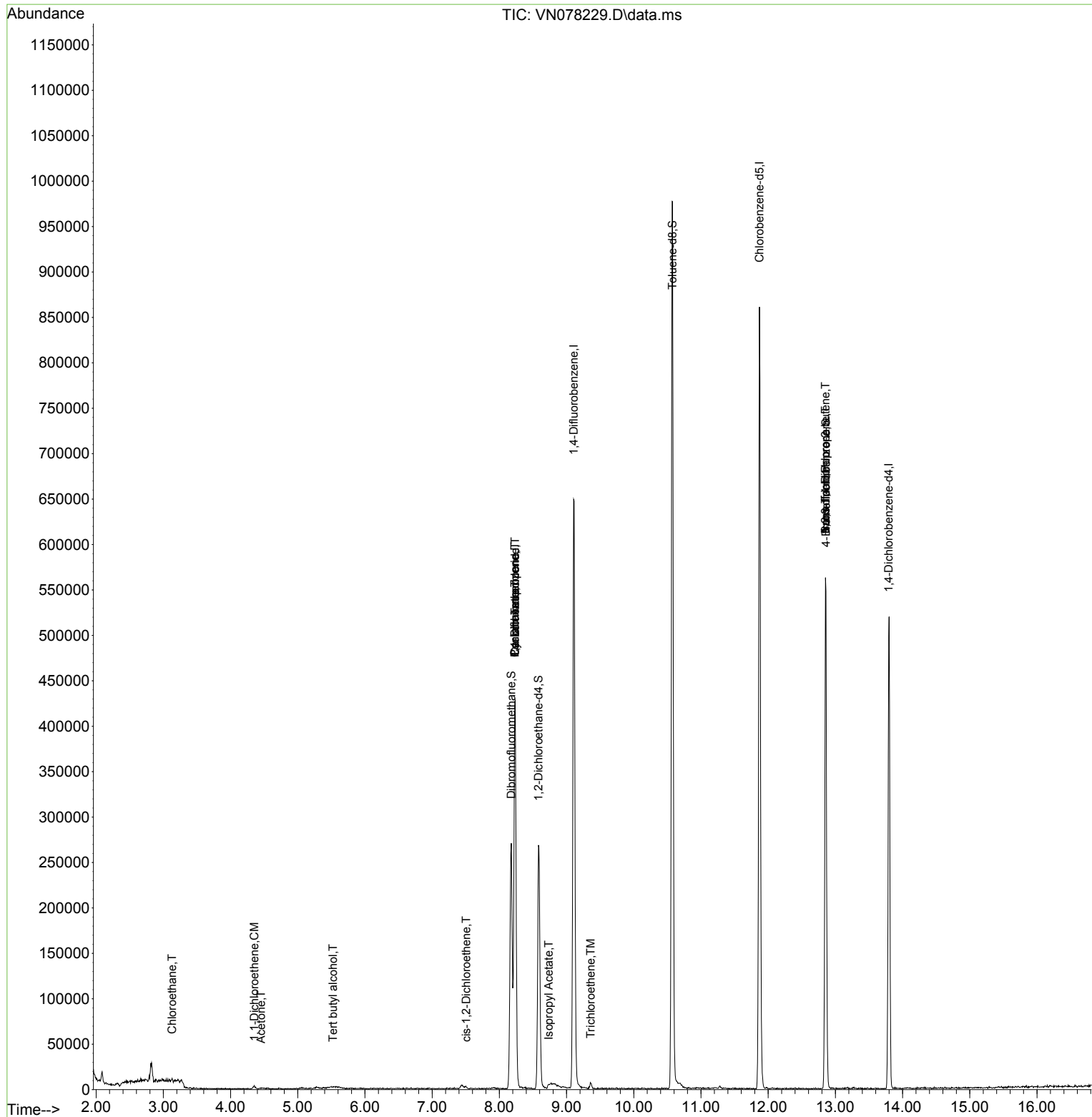
Internal Standards						
1) Pentafluorobenzene	8.229	168	311396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	579394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	513925	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	141894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	226843	54.636	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.280%	
35) Dibromofluoromethane	8.177	113	192303	52.493	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.980%	
50) Toluene-d8	10.576	98	709301	50.223	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.440%	
62) 4-Bromofluorobenzene	12.859	95	202782	46.187	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.380%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	705	Below Cal		97
6) Chloroethane	3.130	64	727	0.231	ug/l	92
11) Tert butyl alcohol	5.524	59	170	0.297	ug/l #	72
12) 1,1-Dichloroethene	4.353	96	1316	0.387	ug/l #	66
16) Acetone	4.453	43	445	0.372	ug/l #	75
27) cis-1,2-Dichloroethene	7.506	96	1343	0.307	ug/l	66
31) Cyclohexane	8.229	56	7423	1.394	ug/l #	36
36) 1,1-Dichloropropene	8.229	75	26659	5.073	ug/l #	48
38) Carbon Tetrachloride	8.235	117	36691	6.613	ug/l #	14
43) Isopropyl Acetate	8.735	43	3145	0.401	ug/l #	49
44) Trichloroethene	9.359	130	2034	0.491	ug/l	70
71) Bromoform	12.853	173	883	0.338	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.859	83	162	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	105492	31.449	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	105492	96.620	ug/l #	15

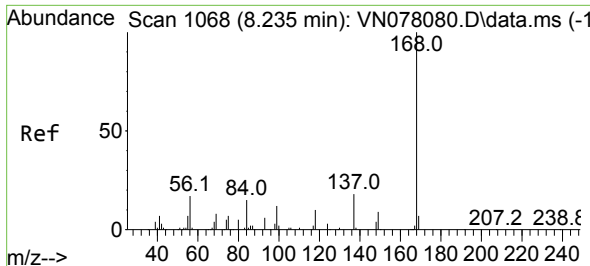
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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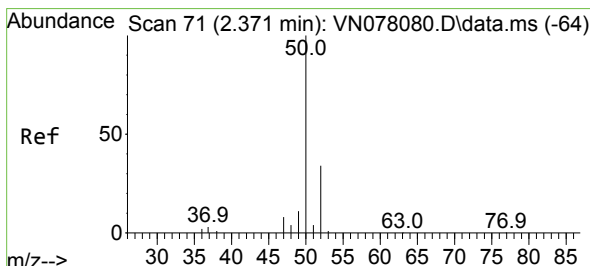
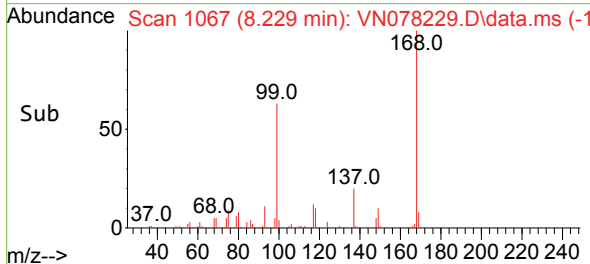
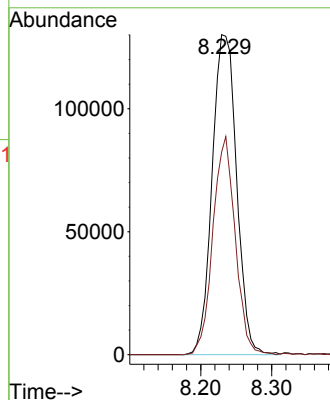
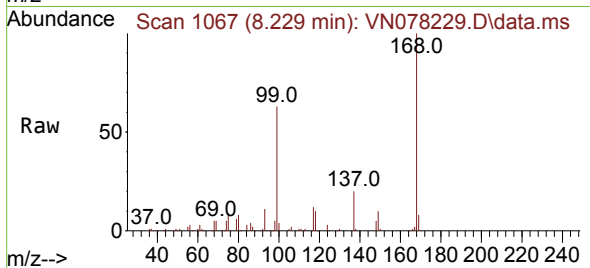




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN078229.D
Acq: 15 Jun 2023 15:32

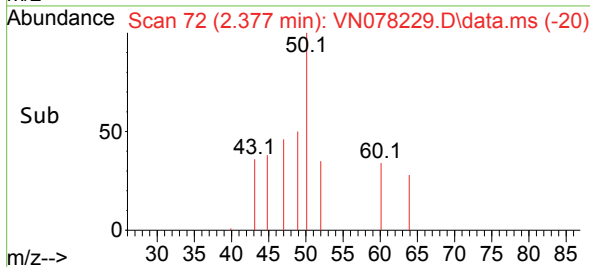
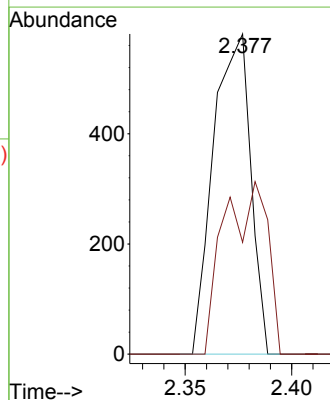
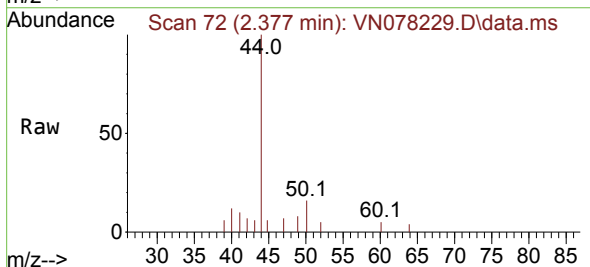
Instrument :
MSVOA_N
ClientSampleId :
TB-01-061423

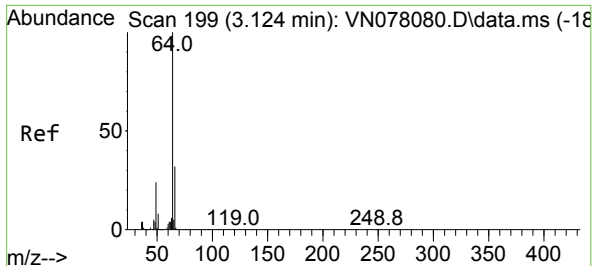
Tgt Ion:168 Resp: 311396
Ion Ratio Lower Upper
168 100
99 63.3 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078229.D
Acq: 15 Jun 2023 15:32

Tgt Ion: 50 Resp: 705
Ion Ratio Lower Upper
50 100
52 34.9 26.5 39.7

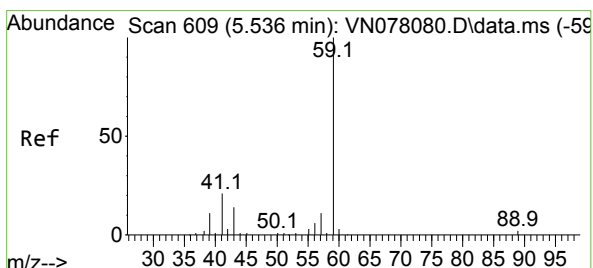
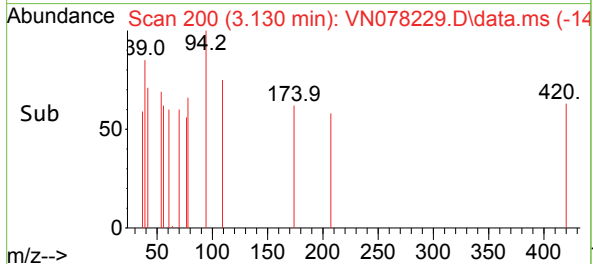
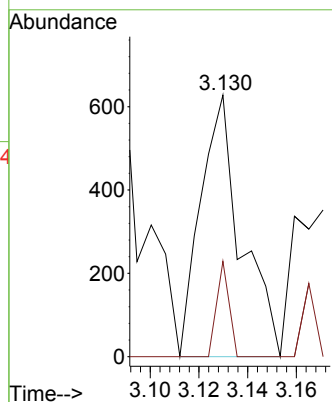
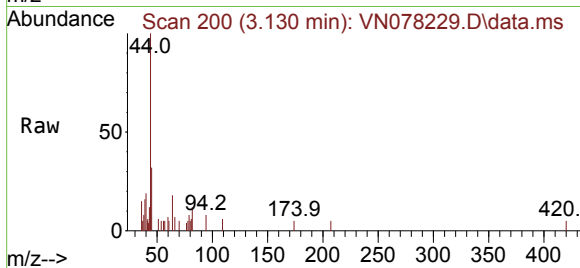




#6
Chloroethane
Concen: 0.231 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN078229.D
Acq: 15 Jun 2023 15:32

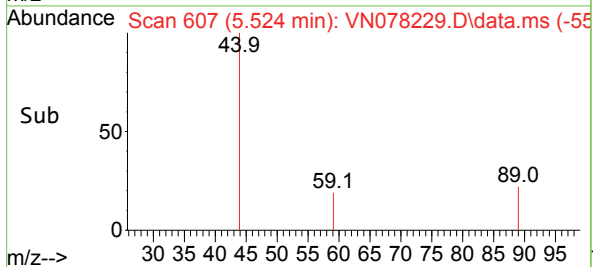
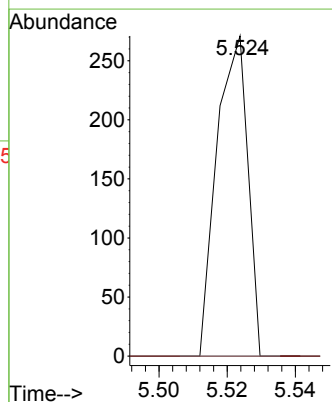
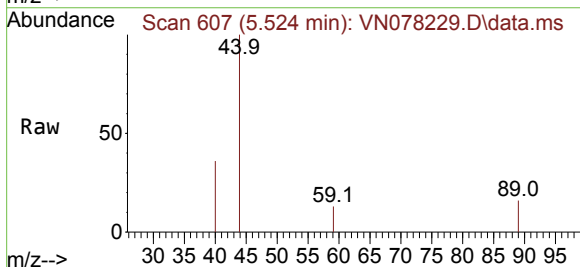
Instrument :
MSVOA_N
ClientSampleId :
TB-01-061423

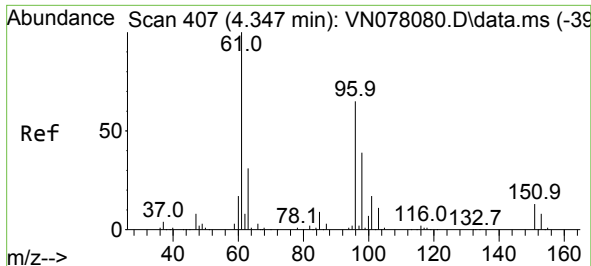
Tgt Ion: 64 Resp: 727
Ion Ratio Lower Upper
64 100
66 36.5 25.4 38.2



#11
Tert butyl alcohol
Concen: 0.297 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.012 min
Lab File: VN078229.D
Acq: 15 Jun 2023 15:32

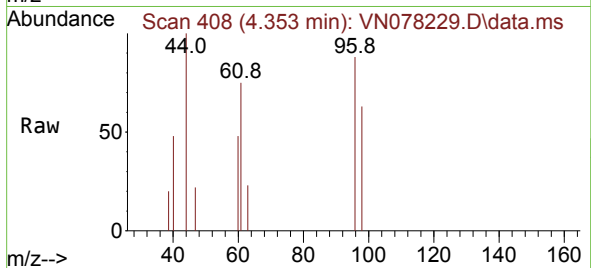
Tgt Ion: 59 Resp: 170
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



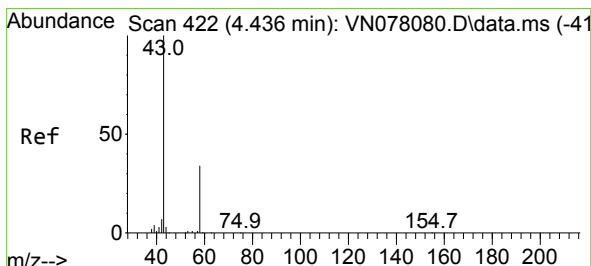
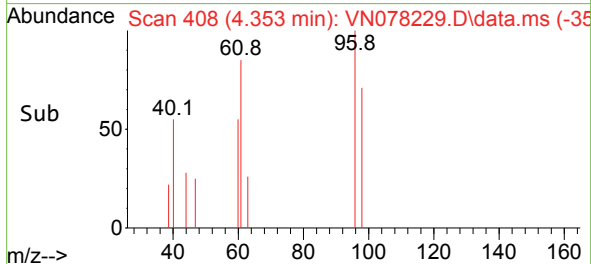
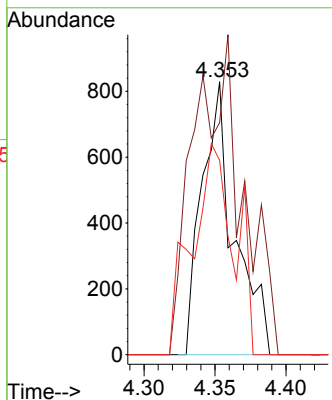


#12
1,1-Dichloroethene
Concen: 0.387 ug/l
RT: 4.353 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN078229.D
Acq: 15 Jun 2023 15:32

Instrument :
MSVOA_N
ClientSampleId :
TB-01-061423

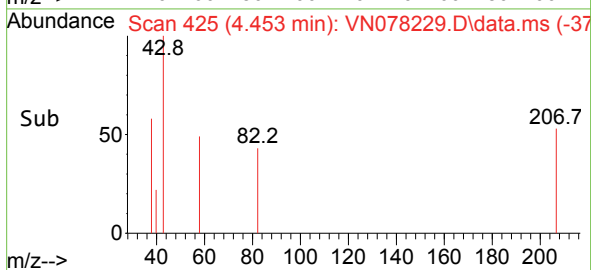
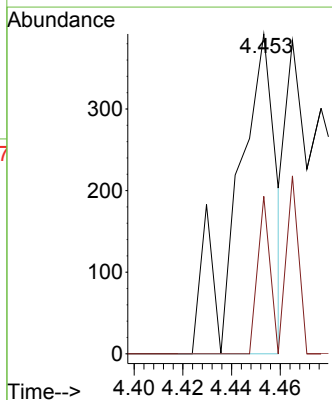
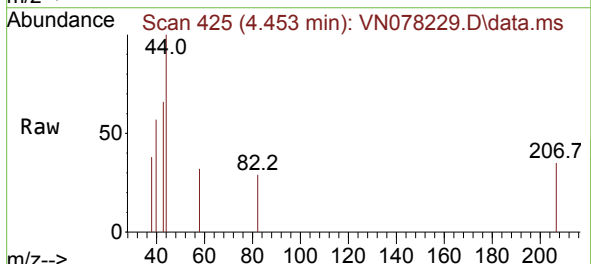


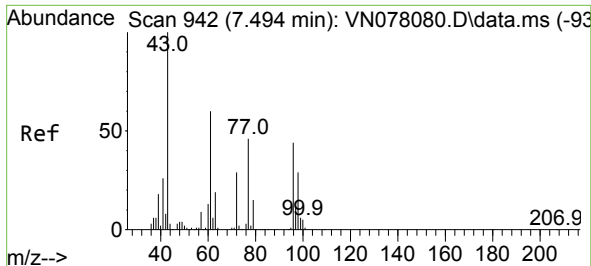
Tgt Ion: 96 Resp: 1316
Ion Ratio Lower Upper
96 100
61 85.0 112.7 169.1#
98 71.2 51.2 76.8



#16
Acetone
Concen: 0.372 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.018 min
Lab File: VN078229.D
Acq: 15 Jun 2023 15:32

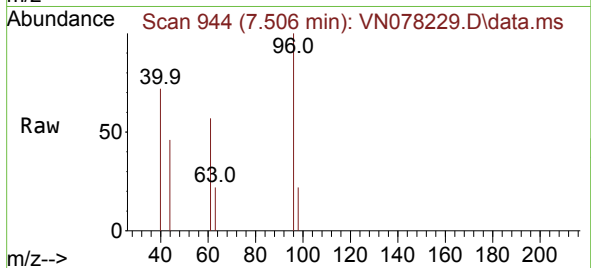
Tgt Ion: 43 Resp: 445
Ion Ratio Lower Upper
43 100
58 49.2 28.0 42.0#



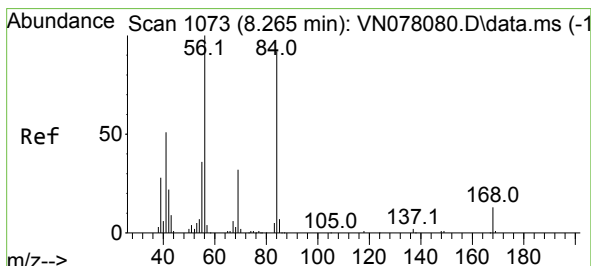
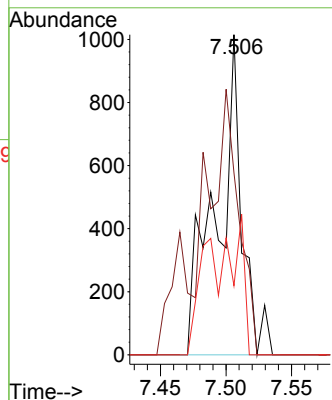
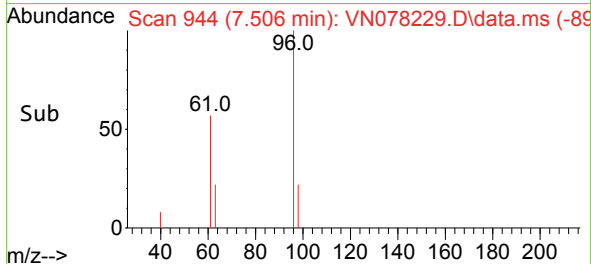


#27
 cis-1,2-Dichloroethene
 Concen: 0.307 ug/l
 RT: 7.506 min Scan# 94
 Delta R.T. 0.012 min
 Lab File: VN078229.D
 Acq: 15 Jun 2023 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-061423

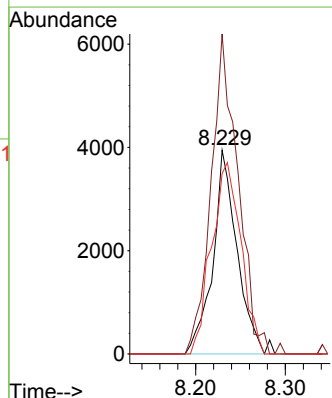
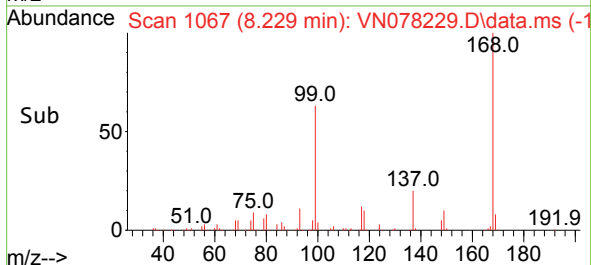
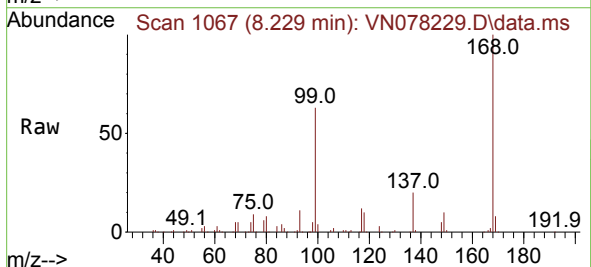


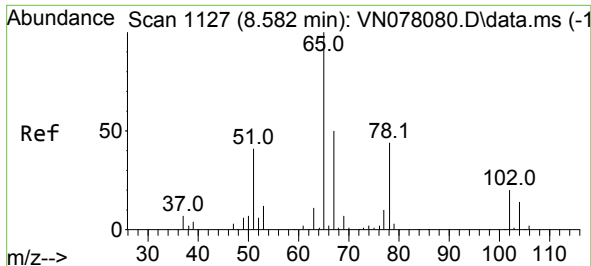
Tgt Ion: 96 Resp: 1343
 Ion Ratio Lower Upper
 96 100
 61 95.7 0.0 255.2
 98 27.3 0.0 128.8



#31
 Cyclohexane
 Concen: 1.394 ug/l
 RT: 8.229 min Scan# 1067
 Delta R.T. -0.035 min
 Lab File: VN078229.D
 Acq: 15 Jun 2023 15:32

Tgt Ion: 56 Resp: 7423
 Ion Ratio Lower Upper
 56 100
 69 157.2 26.8 40.2#
 84 88.6 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 54.636 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN078229.D

Acq: 15 Jun 2023 15:32

Instrument :

MSVOA_N

ClientSampleId :

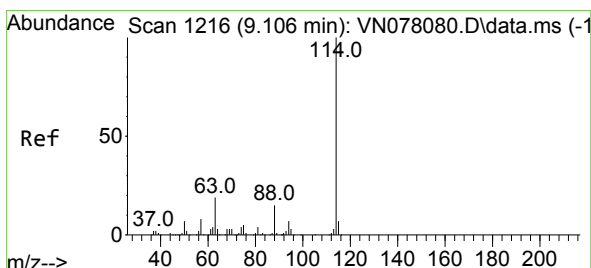
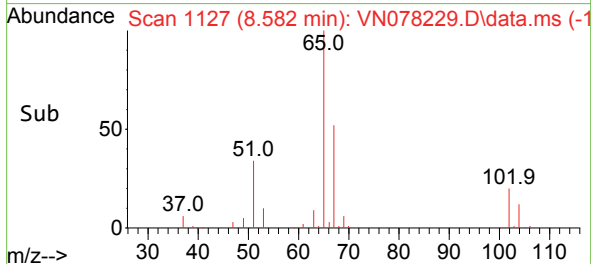
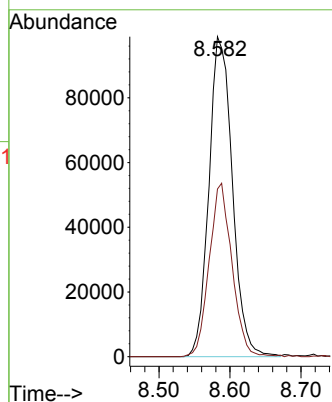
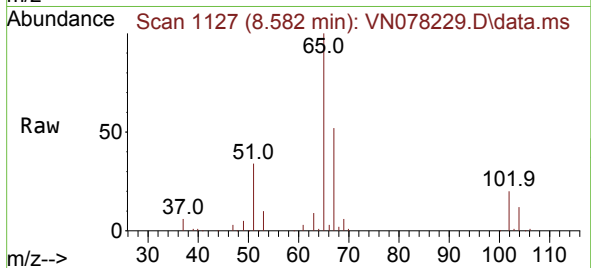
TB-01-061423

Tgt Ion: 65 Resp: 226843

Ion Ratio Lower Upper

65 100

67 52.6 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: VN078229.D

Acq: 15 Jun 2023 15:32

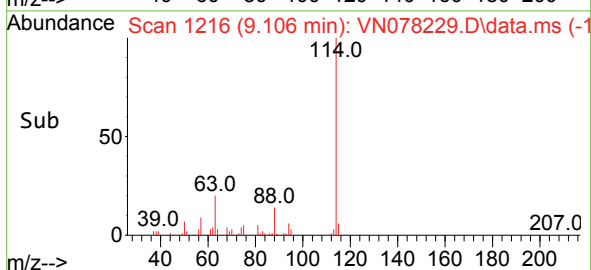
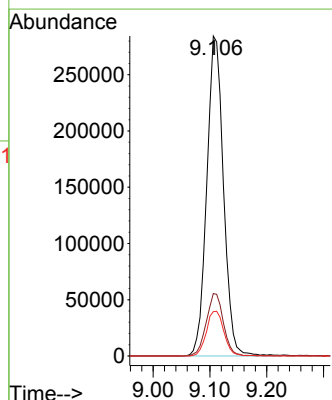
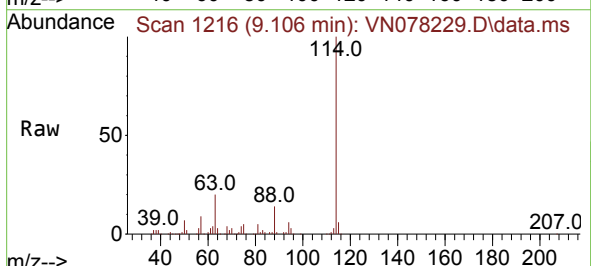
Tgt Ion:114 Resp: 579394

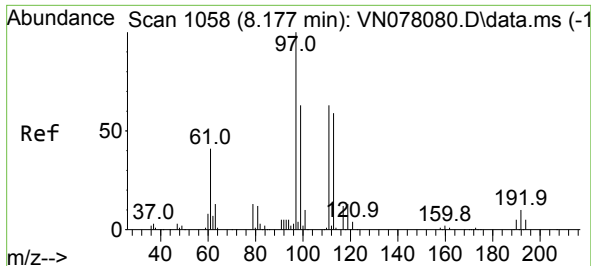
Ion Ratio Lower Upper

114 100

63 19.5 0.0 36.4

88 13.8 0.0 30.6

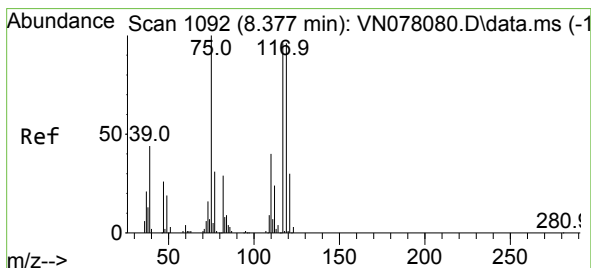
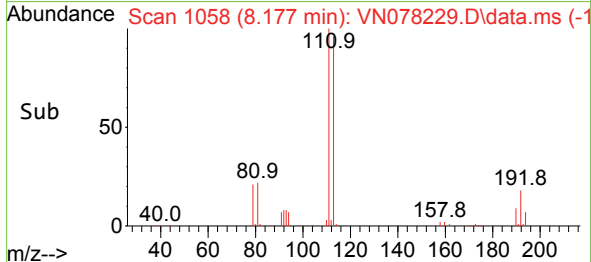
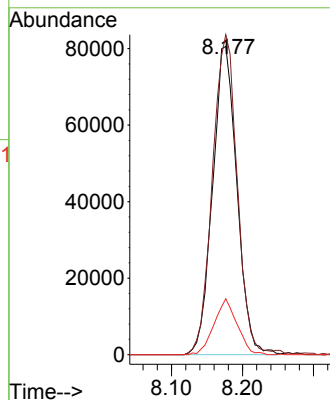
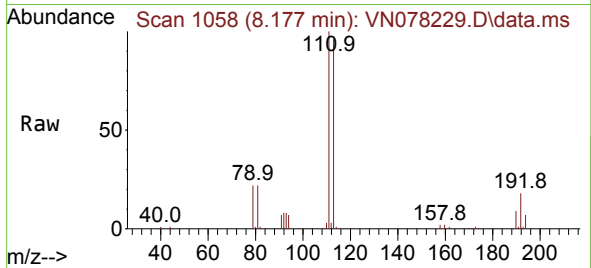




#35
 Dibromofluoromethane
 Concen: 52.493 ug/l
 RT: 8.177 min Scan# 1058
 Delta R.T. -0.000 min
 Lab File: VN078229.D
 Acq: 15 Jun 2023 15:32

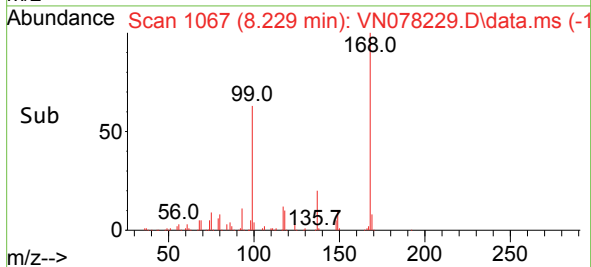
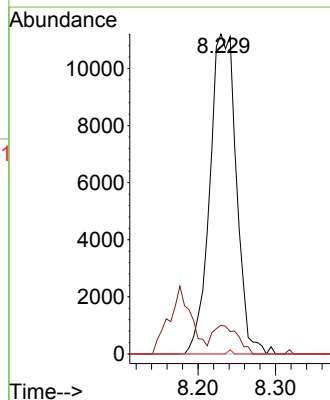
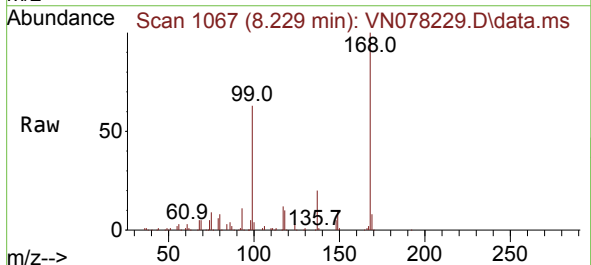
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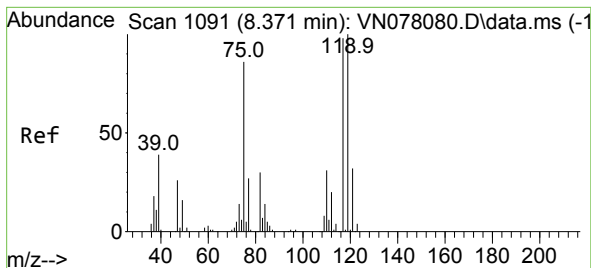
Tgt Ion:113 Resp: 192303
 Ion Ratio Lower Upper
 113 100
 111 104.8 82.6 123.8
 192 17.2 12.7 19.1



#36
 1,1-Dichloropropene
 Concen: 5.073 ug/l
 RT: 8.229 min Scan# 1067
 Delta R.T. -0.147 min
 Lab File: VN078229.D
 Acq: 15 Jun 2023 15:32

Tgt Ion: 75 Resp: 26659
 Ion Ratio Lower Upper
 75 100
 110 8.3 19.1 57.3#
 77 0.2 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.613 ug/l

RT: 8.235 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN078229.D

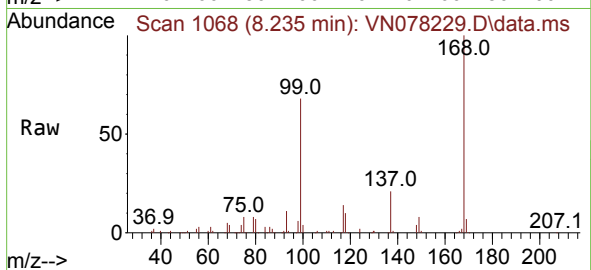
Acq: 15 Jun 2023 15:32

Instrument :

MSVOA_N

ClientSampleId :

TB-01-061423



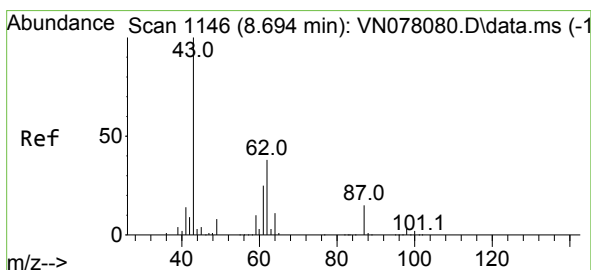
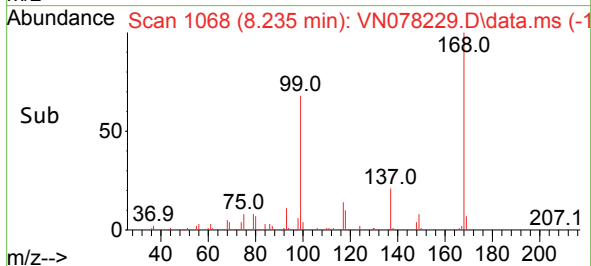
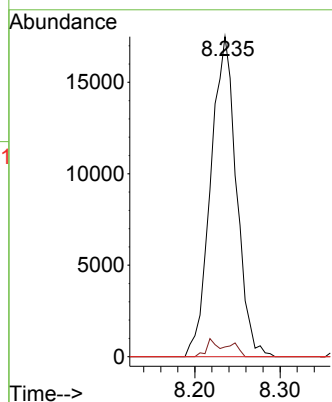
Tgt Ion:117 Resp: 36691

Ion Ratio Lower Upper

117 100

119 3.1 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 0.401 ug/l

RT: 8.735 min Scan# 1153

Delta R.T. 0.041 min

Lab File: VN078229.D

Acq: 15 Jun 2023 15:32

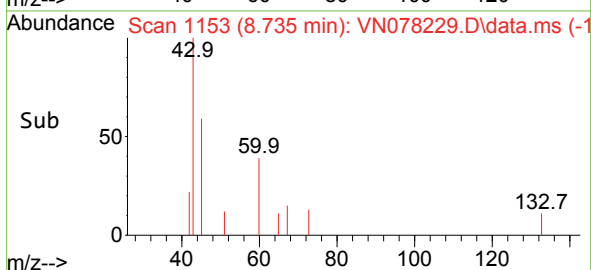
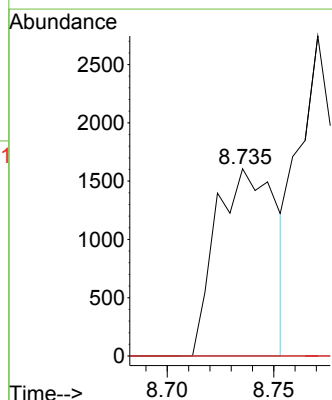
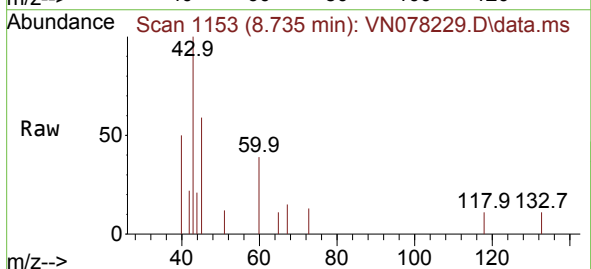
Tgt Ion: 43 Resp: 3145

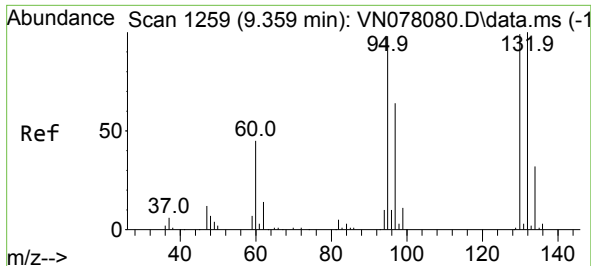
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#

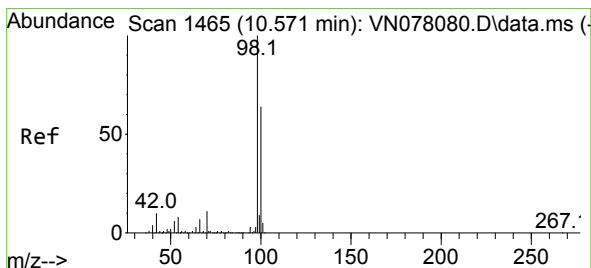
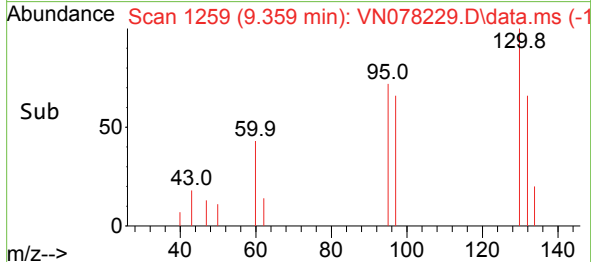
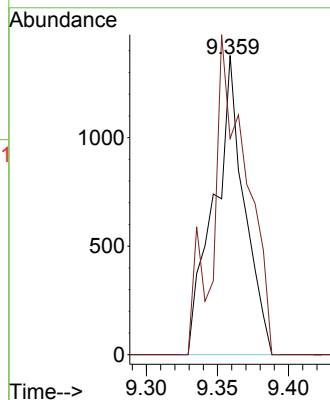
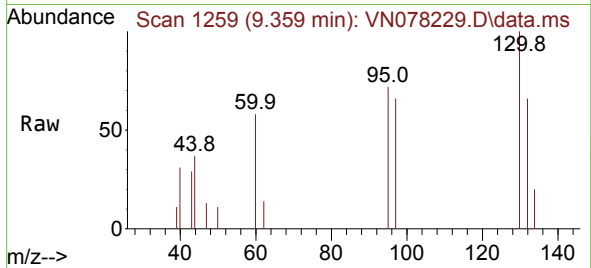




#44
Trichloroethene
Concen: 0.491 ug/l
RT: 9.359 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078229.D
Acq: 15 Jun 2023 15:32

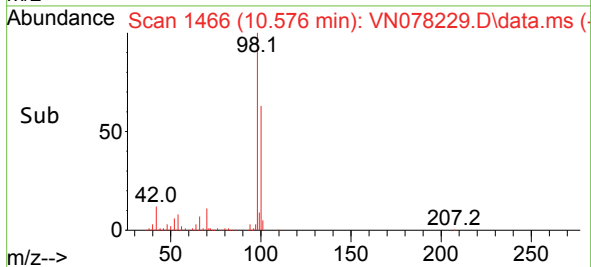
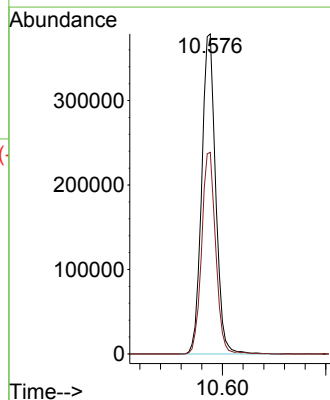
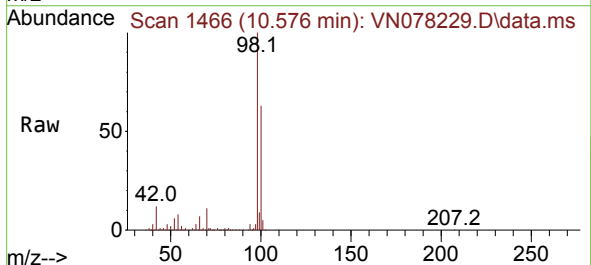
Instrument :
MSVOA_N
ClientSampleId :
TB-01-061423

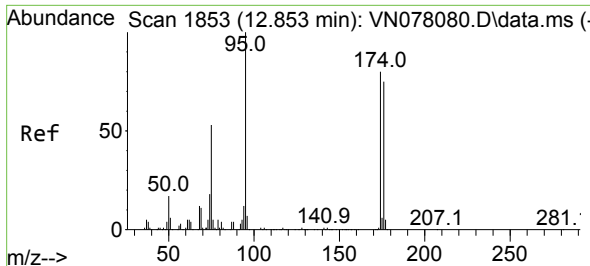
Tgt Ion:130 Resp: 2034
Ion Ratio Lower Upper
130 100
95 72.3 0.0 204.6



#50
Toluene-d8
Concen: 50.223 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078229.D
Acq: 15 Jun 2023 15:32

Tgt Ion: 98 Resp: 709301
Ion Ratio Lower Upper
98 100
100 63.4 52.0 78.0

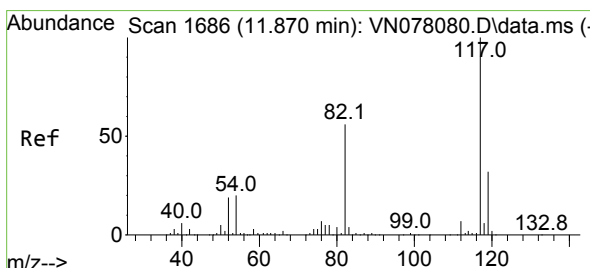
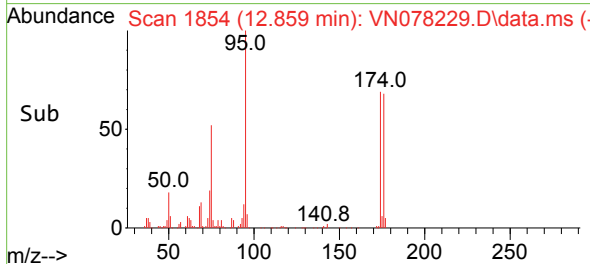
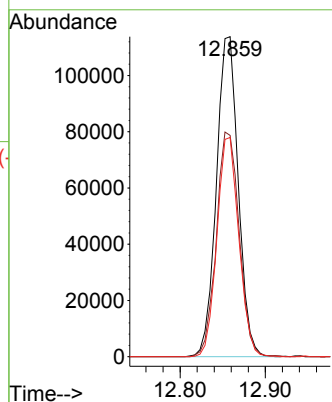
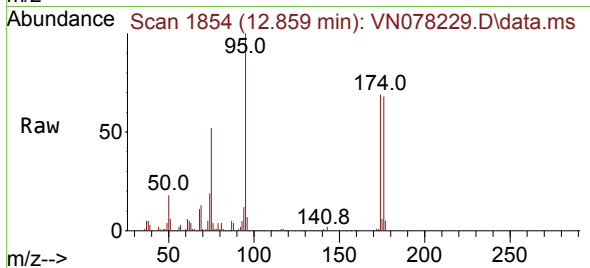




#62
4-Bromofluorobenzene
Concen: 46.187 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078229.D
Acq: 15 Jun 2023 15:32

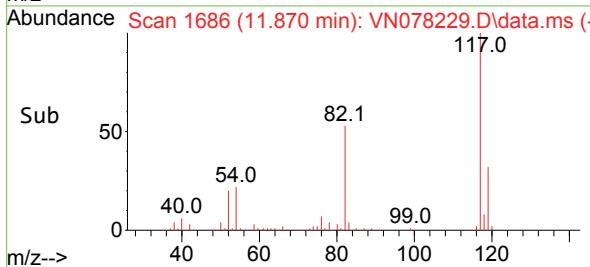
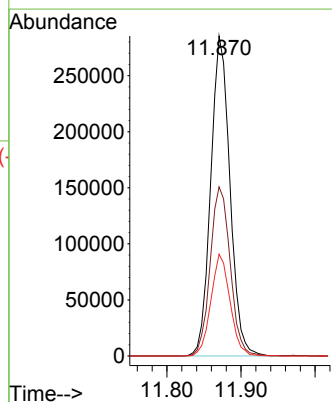
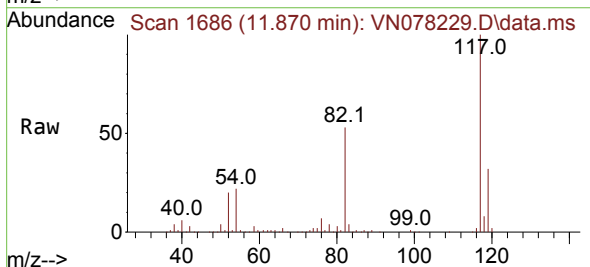
Instrument :
MSVOA_N
ClientSampleId :
TB-01-061423

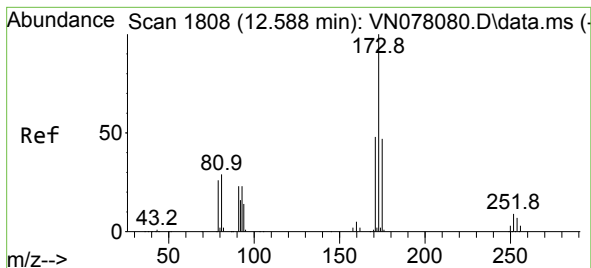
Tgt Ion: 95 Resp: 202782
Ion Ratio Lower Upper
95 100
174 73.3 0.0 143.8
176 68.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078229.D
Acq: 15 Jun 2023 15:32

Tgt Ion: 117 Resp: 513925
Ion Ratio Lower Upper
117 100
82 52.9 44.0 66.0
119 31.8 25.6 38.4





#71

Bromoform

Concen: 0.338 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN078229.D

Acq: 15 Jun 2023 15:32

Instrument :

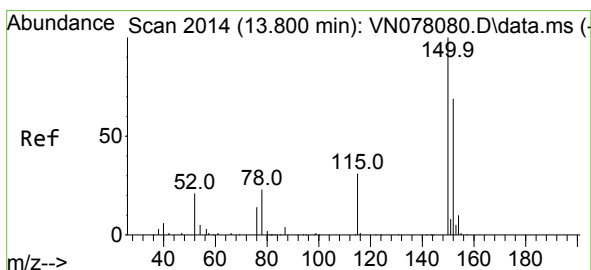
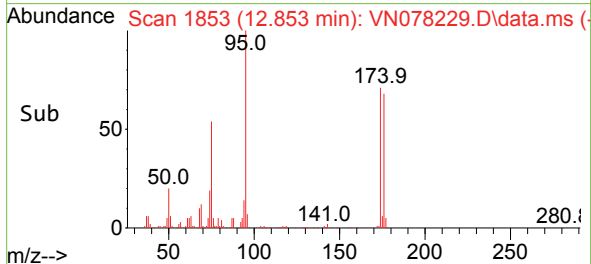
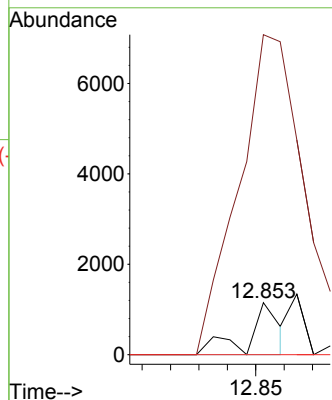
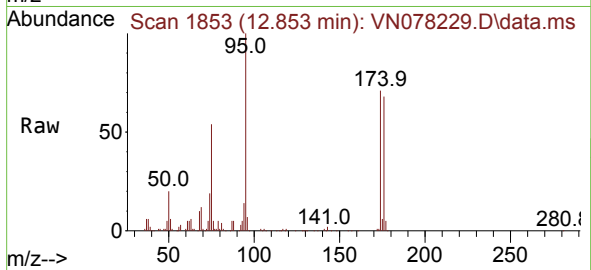
MSVOA_N

ClientSampleId :

TB-01-061423

Tgt Ion:173 Resp: 883

Ion	Ratio	Lower	Upper
173	100		
175	1107.2	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

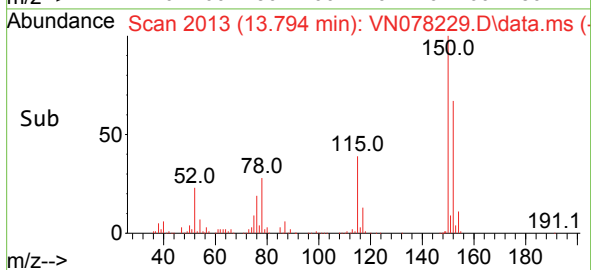
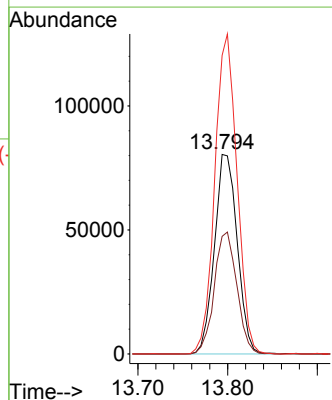
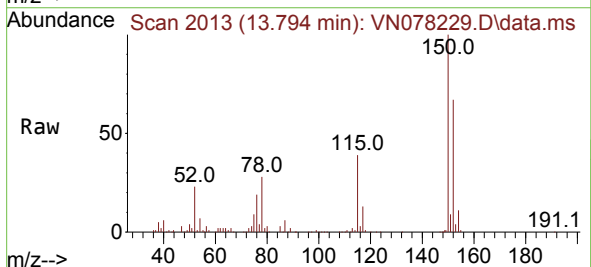
Delta R.T. -0.006 min

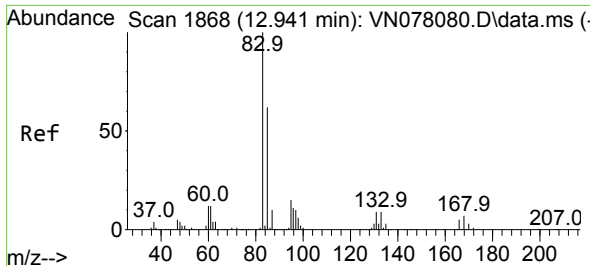
Lab File: VN078229.D

Acq: 15 Jun 2023 15:32

Tgt Ion:152 Resp: 141894

Ion	Ratio	Lower	Upper
152	100		
115	60.5	32.3	96.8
150	156.2	0.0	355.8

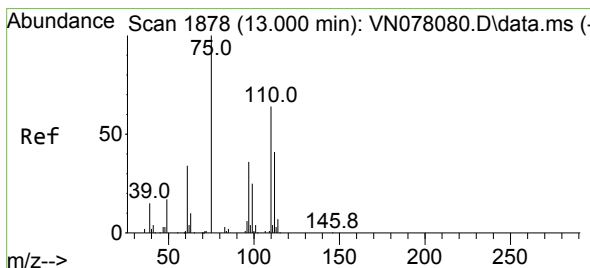
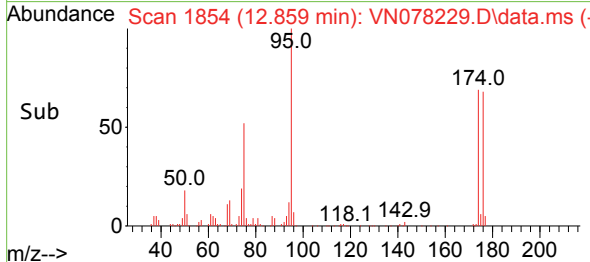
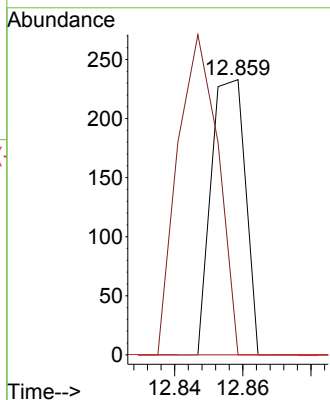
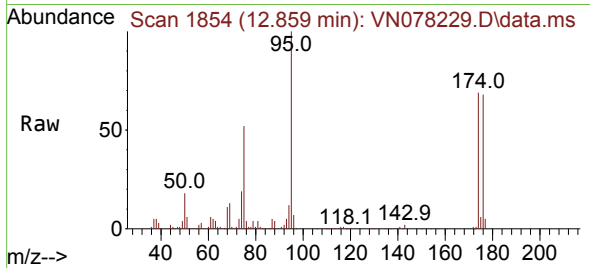




#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.859 min Scan# 1854
 Delta R.T. -0.082 min
 Lab File: VN078229.D
 Acq: 15 Jun 2023 15:32

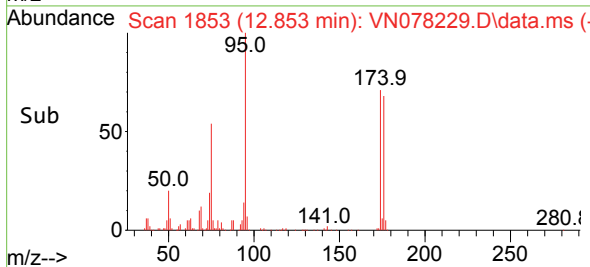
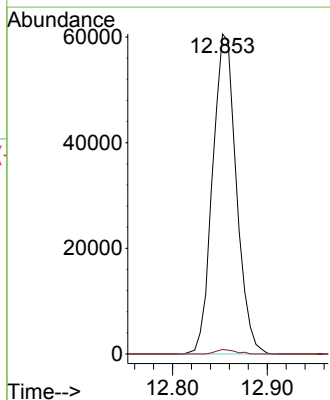
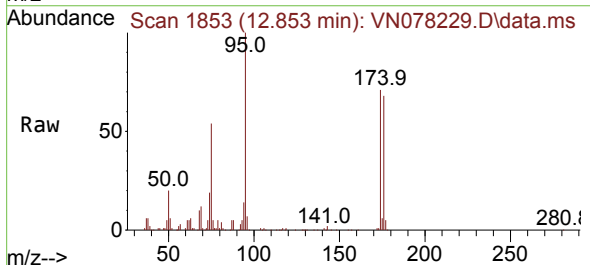
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-061423

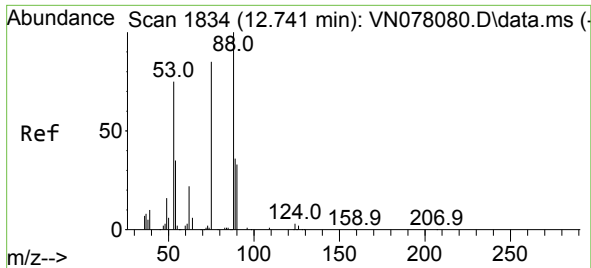
Tgt Ion: 83 Resp: 162
 Ion Ratio Lower Upper
 83 100
 131 137.7 5.0 15.0#
 85 0.0 31.9 95.7#



#76
 1,2,3-Trichloropropane
 Concen: 31.449 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN078229.D
 Acq: 15 Jun 2023 15:32

Tgt Ion: 75 Resp: 105492
 Ion Ratio Lower Upper
 75 100
 77 1.1 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.620 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN078229.D
 Acq: 15 Jun 2023 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-061423

Tgt Ion: 75 Resp: 105492
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

