

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081823\
 Data File : VN078940.D
 Acq On : 18 Aug 2023 14:12
 Operator : JC\MD
 Sample : VN0818WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 18 23:40:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081523W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 16 02:42:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	200524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	370558	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	332821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	104292	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	161105	51.631	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.260%
35) Dibromofluoromethane	8.171	113	130281	52.229	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.460%
50) Toluene-d8	10.571	98	449029	48.481	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.960%
62) 4-Bromofluorobenzene	12.853	95	129230	42.687	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.380%

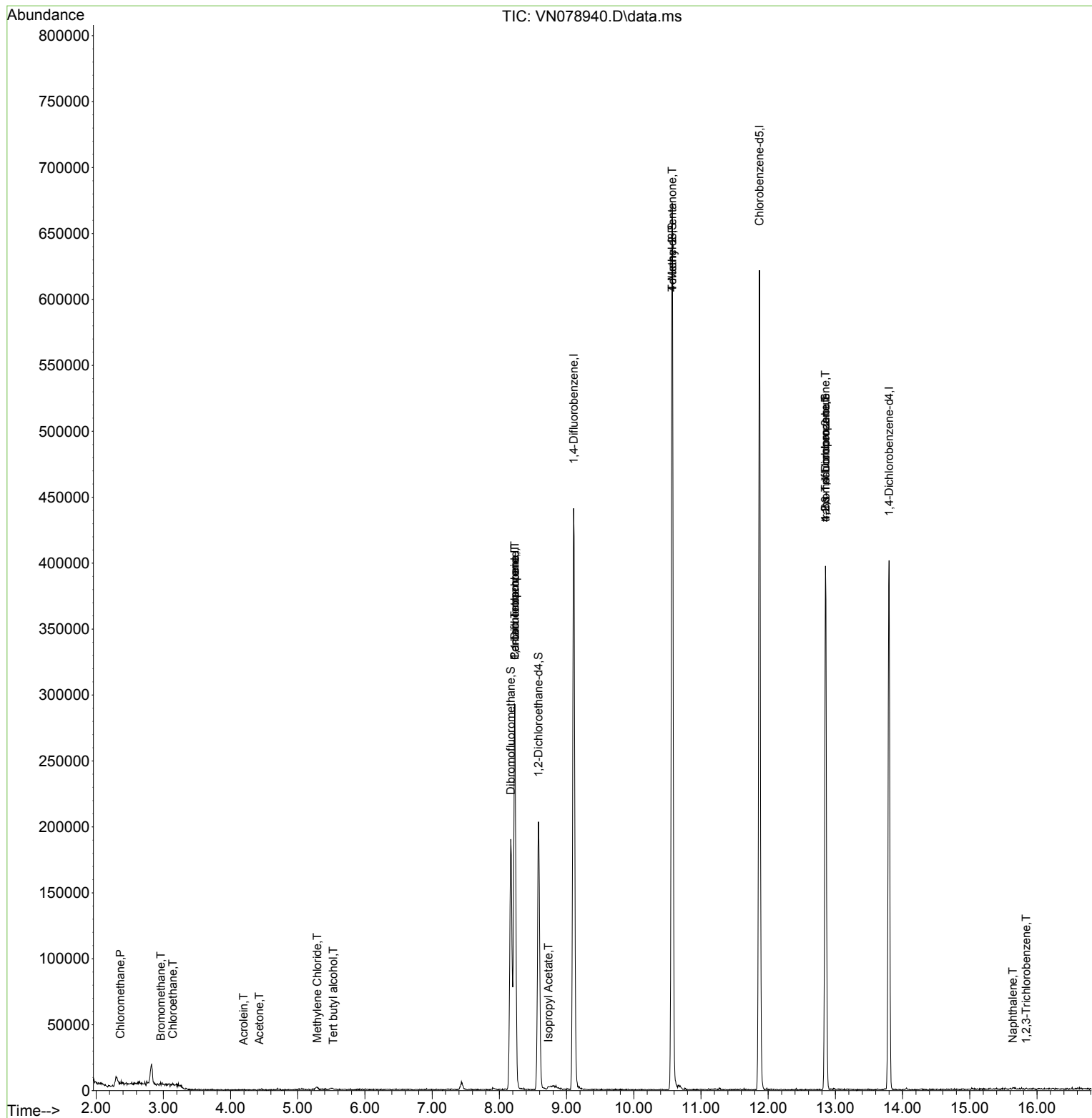
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.359	50	1044	0.269	ug/l #	84
5) Bromomethane	2.965	94	488	0.249	ug/l #	4
6) Chloroethane	3.142	64	646	0.271	ug/l #	70
11) Tert butyl alcohol	5.530	59	135	0.258	ug/l #	72
13) Acrolein	4.194	56	62	7.029	ug/l #	16
16) Acetone	4.430	43	267	0.207	ug/l #	40
20) Methylene Chloride	5.289	84	1364	0.497	ug/l #	39
31) Cyclohexane	8.230	56	5224	Below Cal	#	54
36) 1,1-Dichloropropene	8.230	75	17072	4.550	ug/l #	47
38) Carbon Tetrachloride	8.230	117	21273	5.658	ug/l #	17
43) Isopropyl Acetate	8.729	43	1661	0.224	ug/l #	49
51) 4-Methyl-2-Pentanone	10.571	43	2471	0.561	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	73257	29.152	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	73257	74.471	ug/l #	15
95) Naphthalene	15.641	128	1380	2.847	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.841	180	339	0.244	ug/l #	29

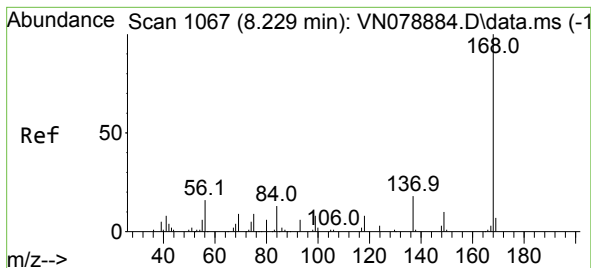
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 16 02:42:02 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN078940.D

Acq: 18 Aug 2023 14:12

Instrument :

MSVOA_N

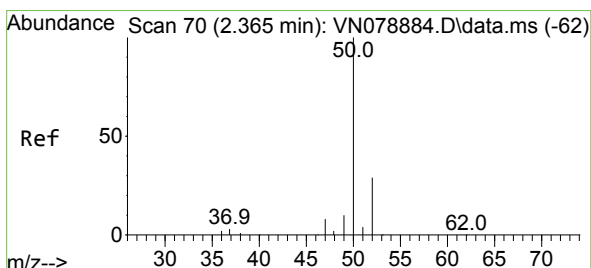
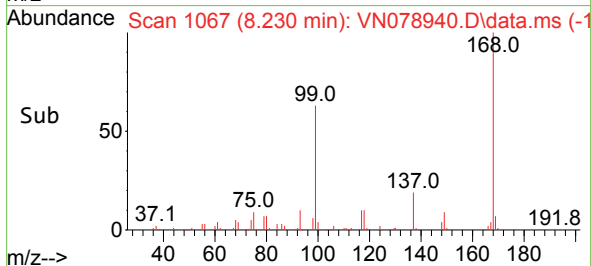
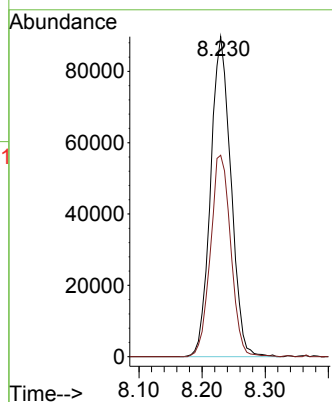
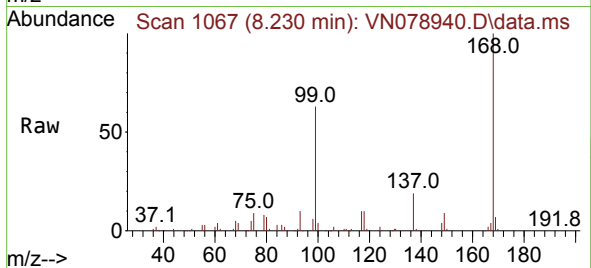
ClientSampleId :

Tgt Ion:168 Resp: 200524

Ion Ratio Lower Upper

168 100

99 63.0 53.0 79.6



#3

Chloromethane

Concen: 0.269 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.012 min

Lab File: VN078940.D

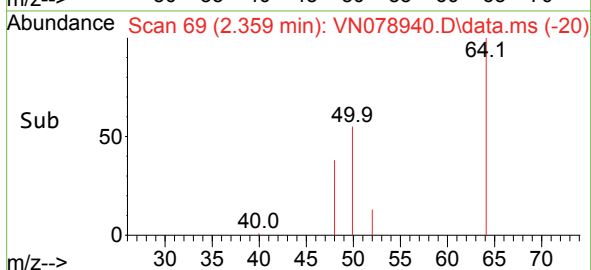
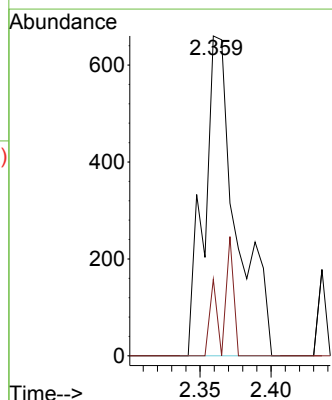
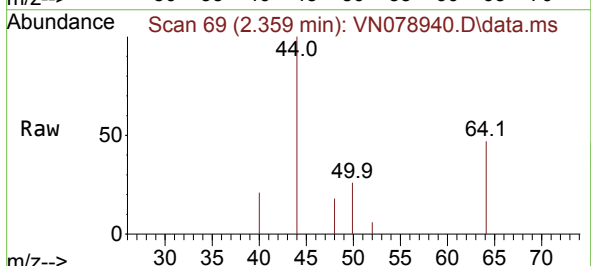
Acq: 18 Aug 2023 14:12

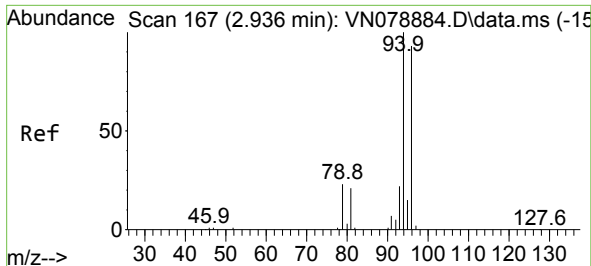
Tgt Ion: 50 Resp: 1044

Ion Ratio Lower Upper

50 100

52 23.9 26.5 39.7#





#5

Bromomethane

Concen: 0.249 ug/l

RT: 2.965 min Scan# 11

Delta R.T. 0.017 min

Lab File: VN078940.D

Acq: 18 Aug 2023 14:12

Instrument :

MSVOA_N

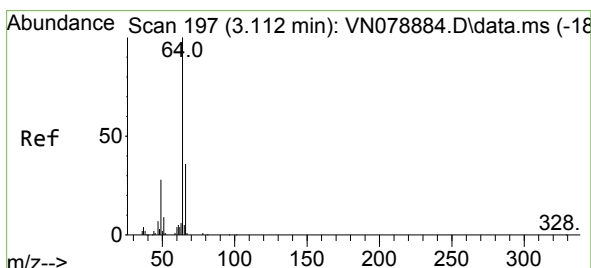
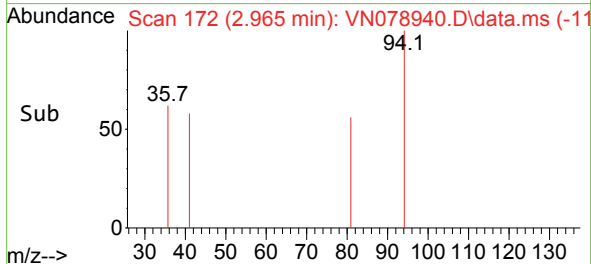
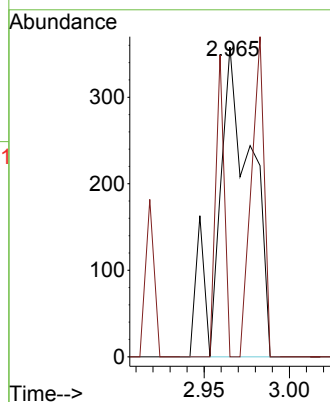
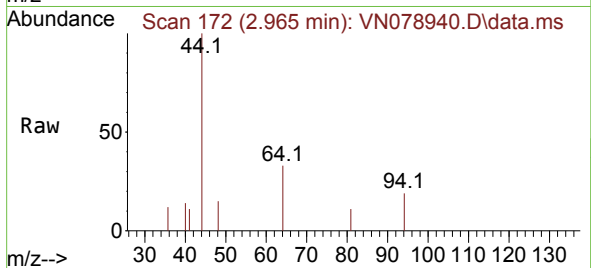
ClientSampleId :

Tgt Ion: 94 Resp: 488

Ion Ratio Lower Upper

94 100

96 0.0 73.1 109.7#



#6

Chloroethane

Concen: 0.271 ug/l

RT: 3.142 min Scan# 202

Delta R.T. 0.024 min

Lab File: VN078940.D

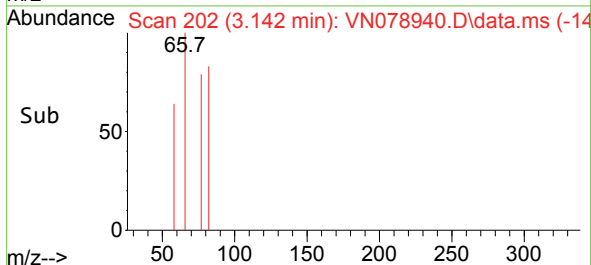
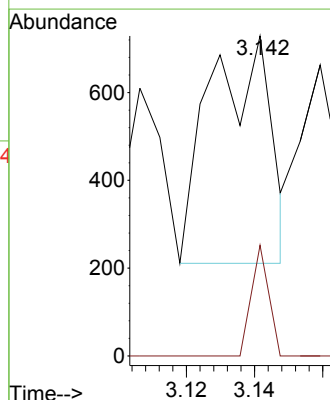
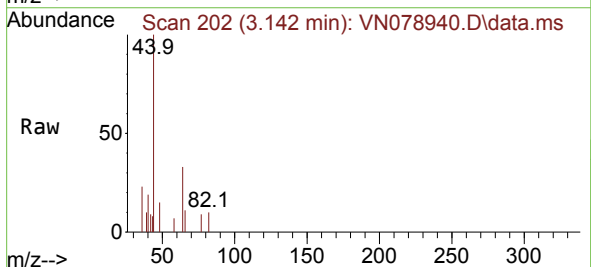
Acq: 18 Aug 2023 14:12

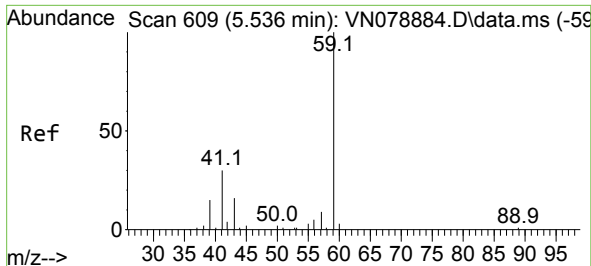
Tgt Ion: 64 Resp: 646

Ion Ratio Lower Upper

64 100

66 48.6 25.4 38.2#





#11

Tert butyl alcohol

Concen: 0.258 ug/l

RT: 5.530 min Scan# 609

Delta R.T. -0.012 min

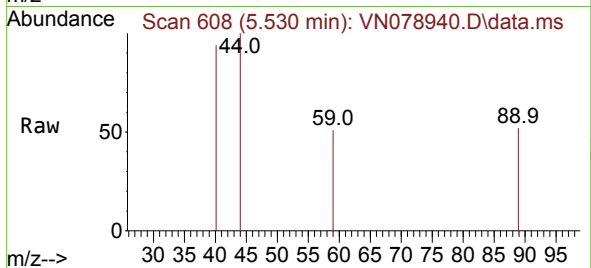
Lab File: VN078940.D

Acq: 18 Aug 2023 14:12

Instrument :

MSVOA_N

ClientSampleId :

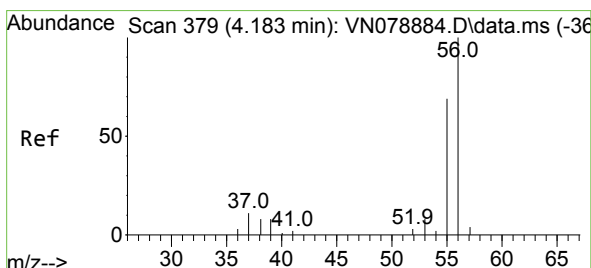
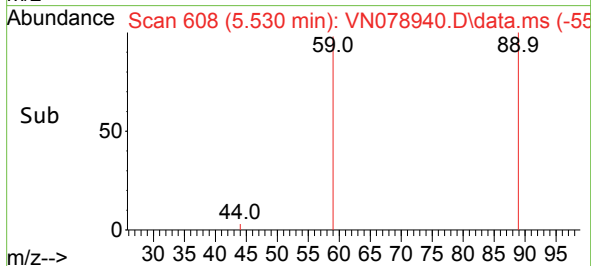
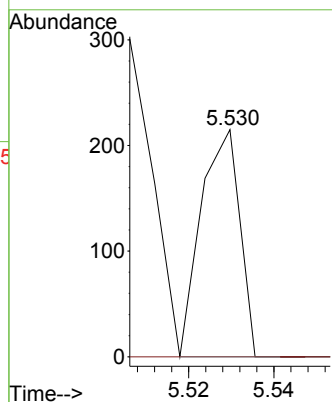


Tgt Ion: 59 Resp: 135

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: 7.029 ug/l

RT: 4.194 min Scan# 381

Delta R.T. -0.001 min

Lab File: VN078940.D

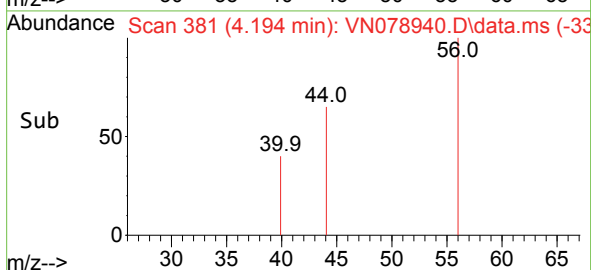
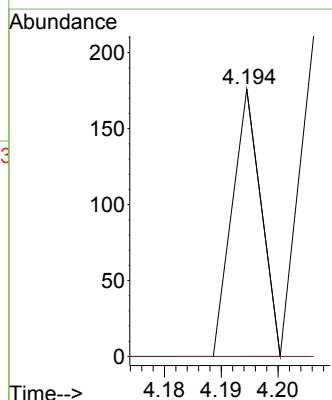
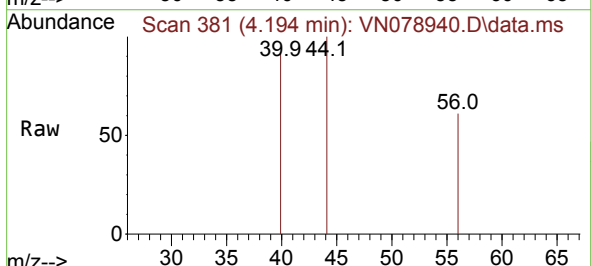
Acq: 18 Aug 2023 14:12

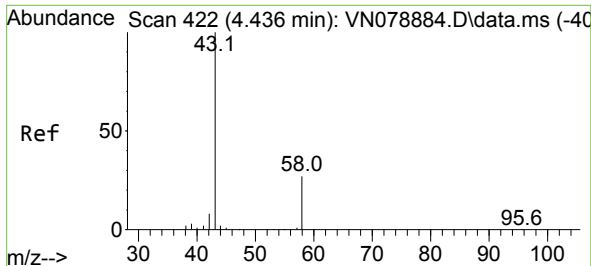
Tgt Ion: 56 Resp: 62

Ion Ratio Lower Upper

56 100

55 0.0 54.5 81.7#





#16

Acetone

Concen: 0.207 ug/l

RT: 4.430 min Scan# 41

Delta R.T. -0.012 min

Lab File: VN078940.D

Acq: 18 Aug 2023 14:12

Instrument :

MSVOA_N

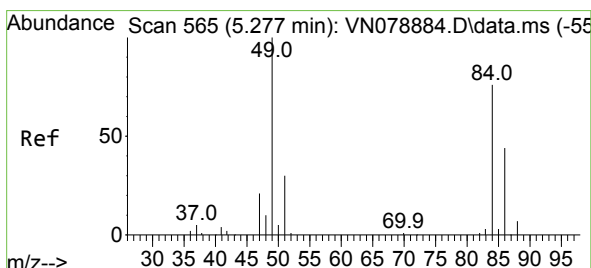
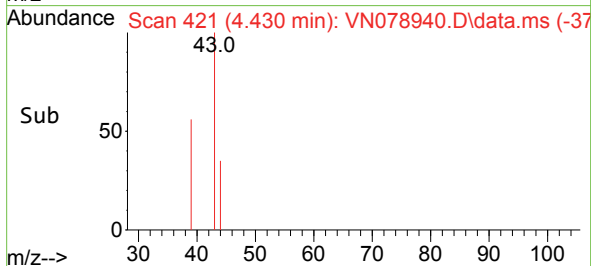
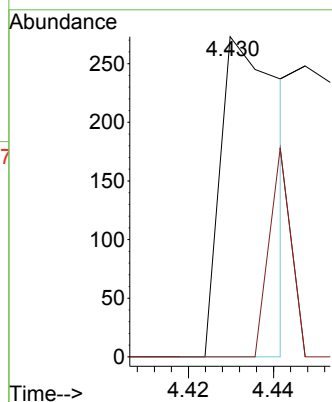
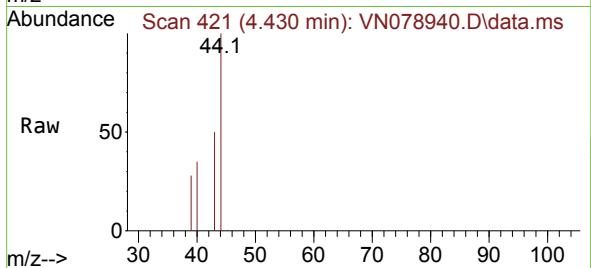
ClientSampleId :

Tgt Ion: 43 Resp: 267

Ion Ratio Lower Upper

43 100

58 0.0 28.0 42.0#



#20

Methylene Chloride

Concen: 0.497 ug/l

RT: 5.289 min Scan# 567

Delta R.T. 0.006 min

Lab File: VN078940.D

Acq: 18 Aug 2023 14:12

Tgt Ion: 84 Resp: 1364

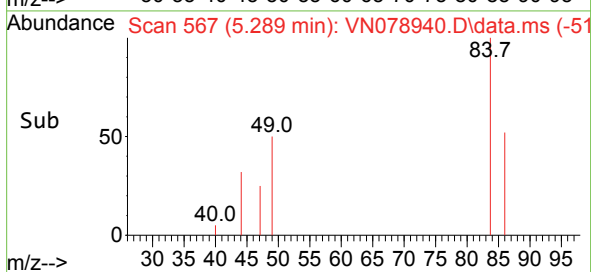
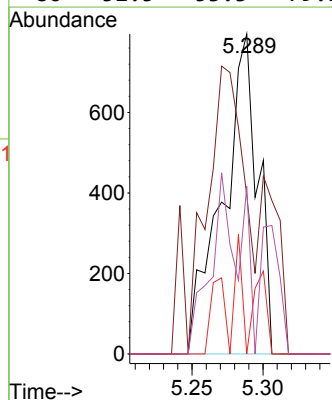
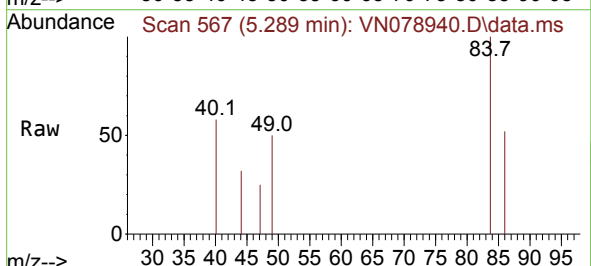
Ion Ratio Lower Upper

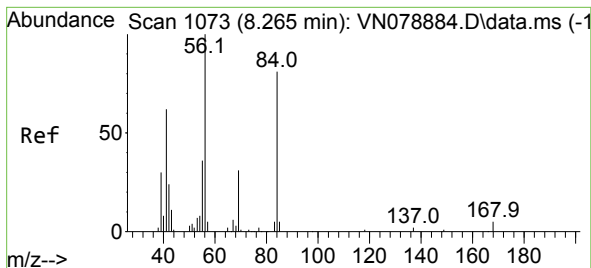
84 100

49 7.8 79.7 119.5#

51 0.0 25.2 37.8#

86 52.5 53.3 79.9#





#31

Cyclohexane

Concen: Below Cal

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

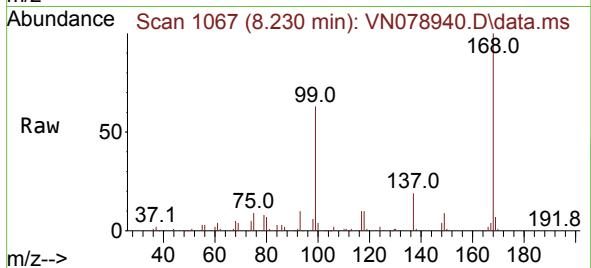
Lab File: VN078940.D

Acq: 18 Aug 2023 14:12

Instrument :

MSVOA_N

ClientSampleId :



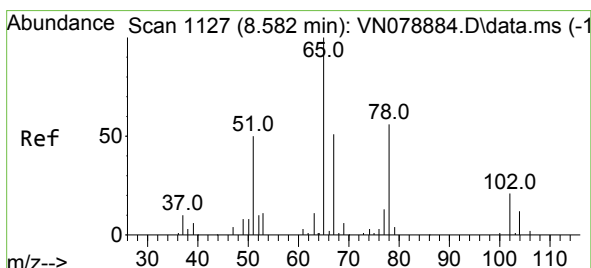
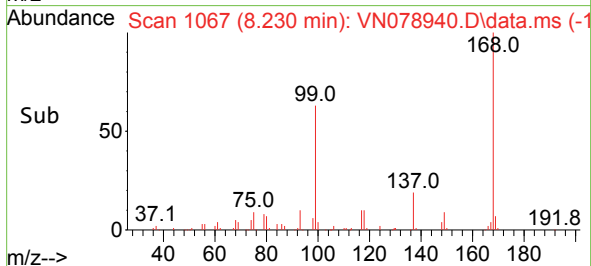
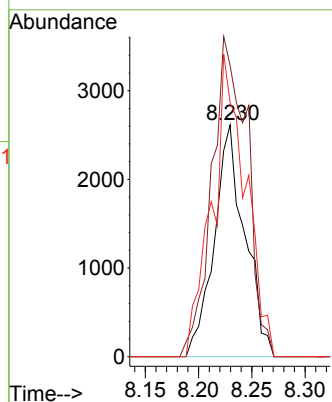
Tgt Ion: 56 Resp: 5224

Ion Ratio Lower Upper

56 100

69 125.8 26.8 40.2#

84 109.7 81.8 122.6



#33

1,2-Dichloroethane-d4

Concen: 51.631 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN078940.D

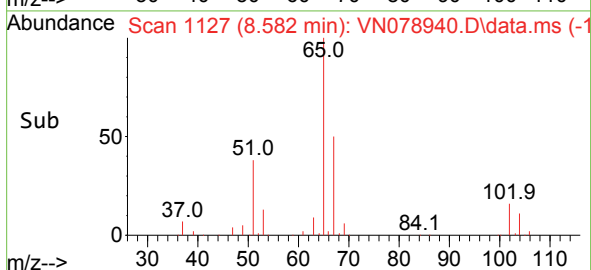
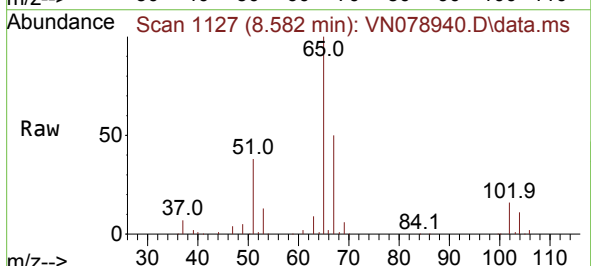
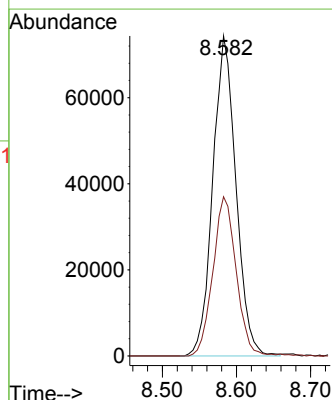
Acq: 18 Aug 2023 14:12

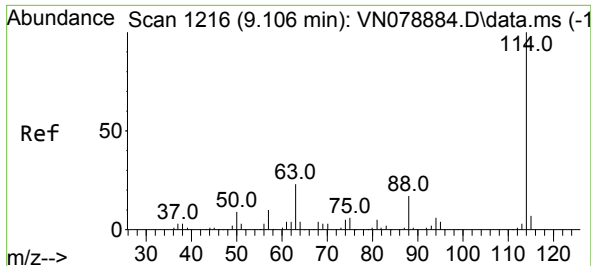
Tgt Ion: 65 Resp: 161105

Ion Ratio Lower Upper

65 100

67 50.0 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN078940.D

Acq: 18 Aug 2023 14:12

Instrument :

MSVOA_N

ClientSampleId :

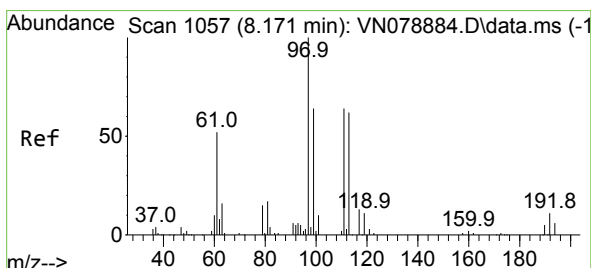
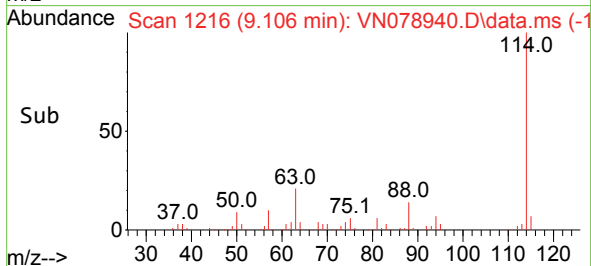
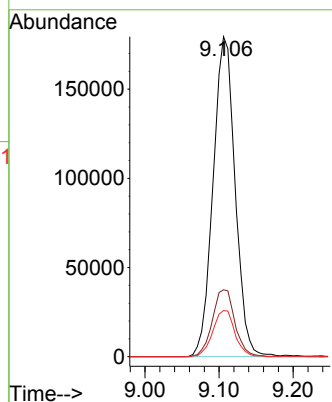
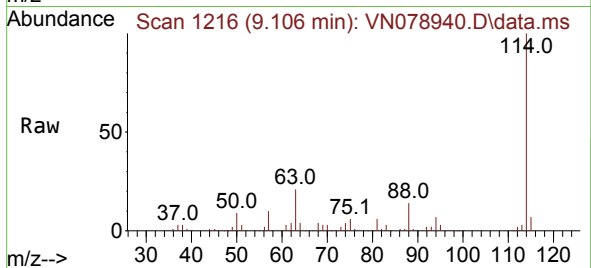
Tgt Ion:114 Resp: 370558

Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.4

88 14.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.229 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN078940.D

Acq: 18 Aug 2023 14:12

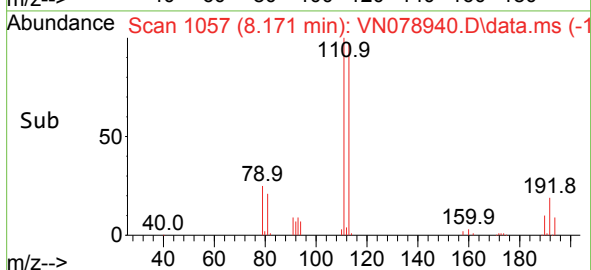
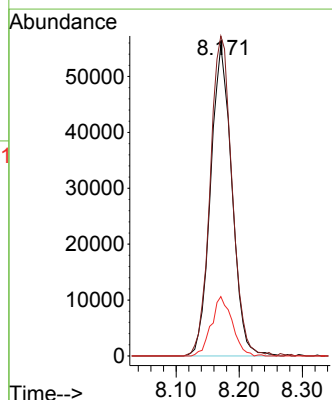
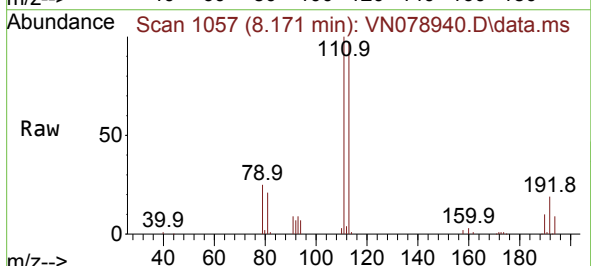
Tgt Ion:113 Resp: 130281

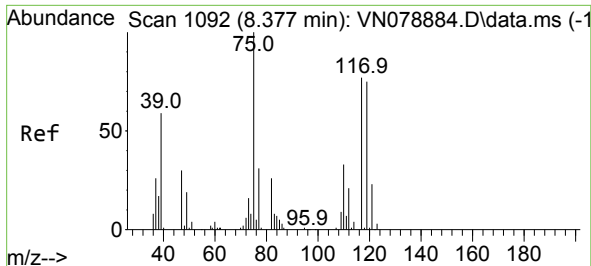
Ion Ratio Lower Upper

113 100

111 106.0 82.6 123.8

192 18.7 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.550 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

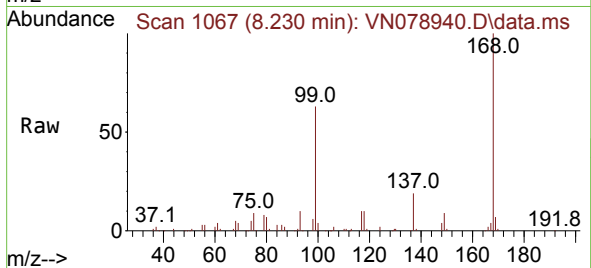
Lab File: VN078940.D

Acq: 18 Aug 2023 14:12

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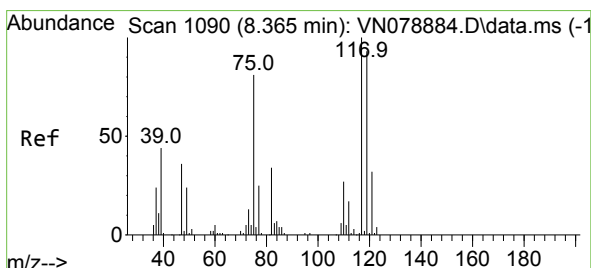
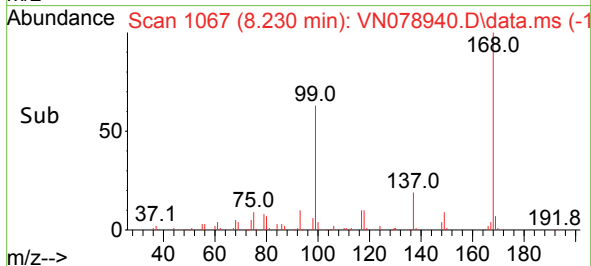
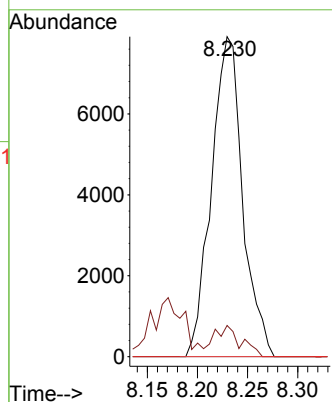
Tgt Ion: 75 Resp: 17072

Ion Ratio Lower Upper

75 100

110 8.2 19.1 57.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.658 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN078940.D

Acq: 18 Aug 2023 14:12

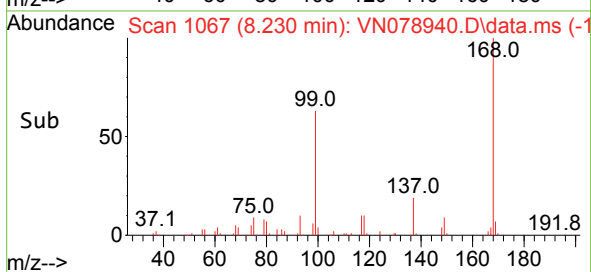
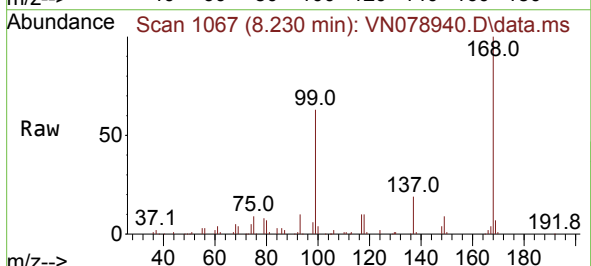
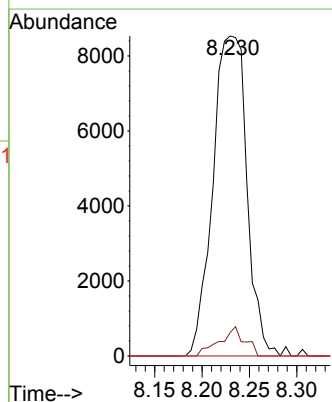
Tgt Ion: 117 Resp: 21273

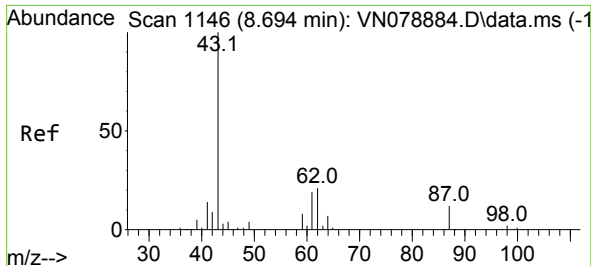
Ion Ratio Lower Upper

117 100

119 7.3 77.3 115.9#

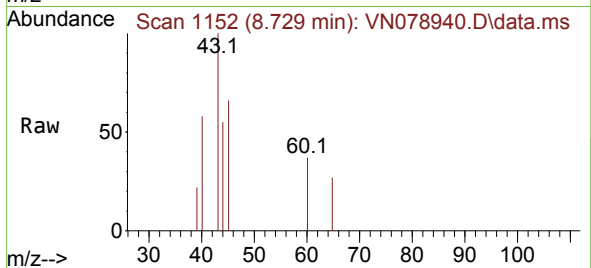
121 0.0 23.3 34.9#



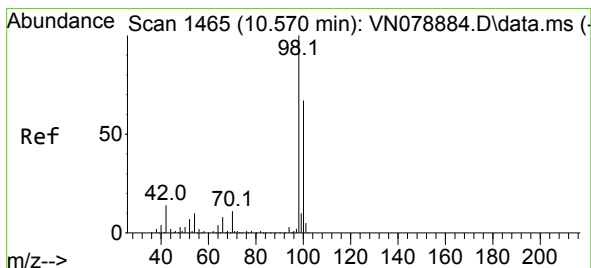
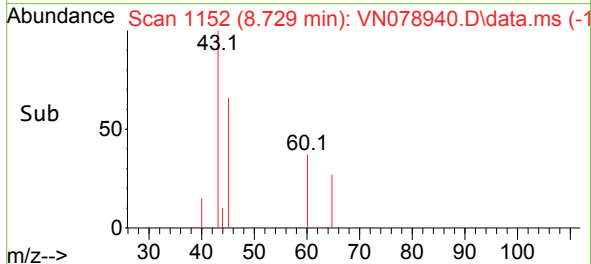
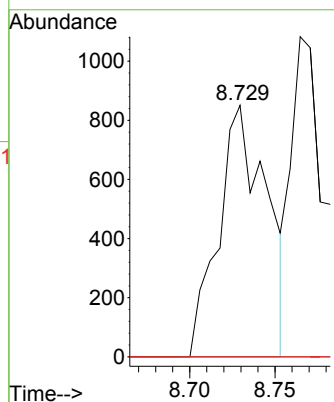


#43
Isopropyl Acetate
Concen: 0.224 ug/l
RT: 8.729 min Scan# 1152
Delta R.T. 0.035 min
Lab File: VN078940.D
Acq: 18 Aug 2023 14:12

Instrument :
MSVOA_N
ClientSampleId :

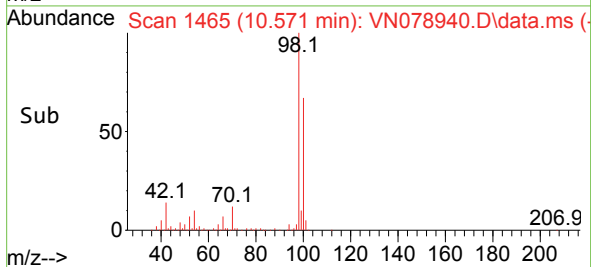
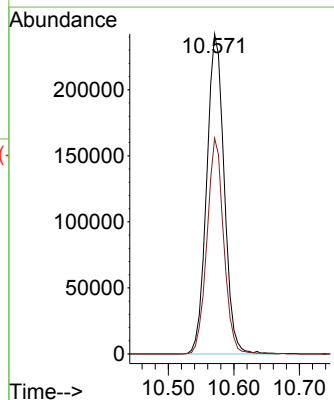
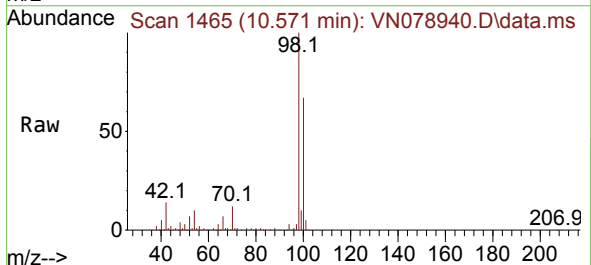


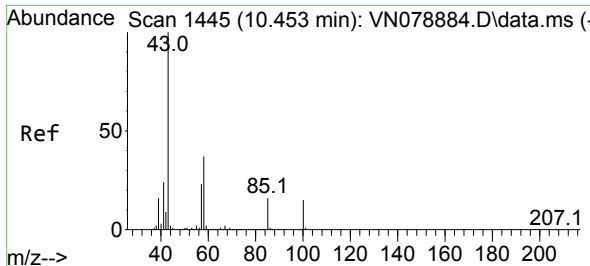
Tgt Ion: 43 Resp: 1661
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 48.481 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078940.D
Acq: 18 Aug 2023 14:12

Tgt Ion: 98 Resp: 449029
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0

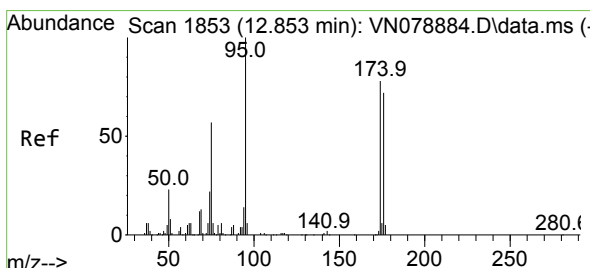
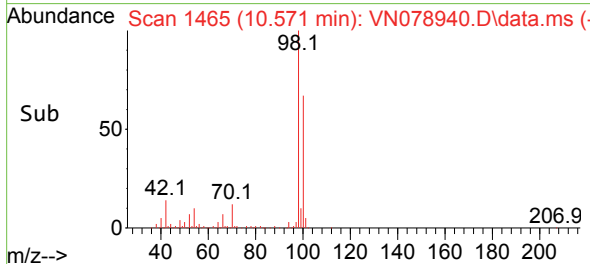
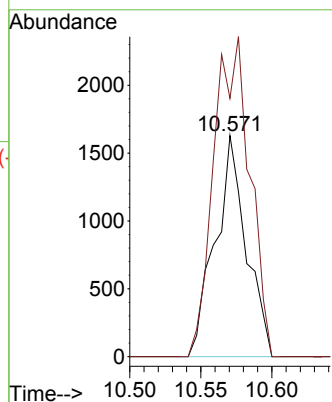
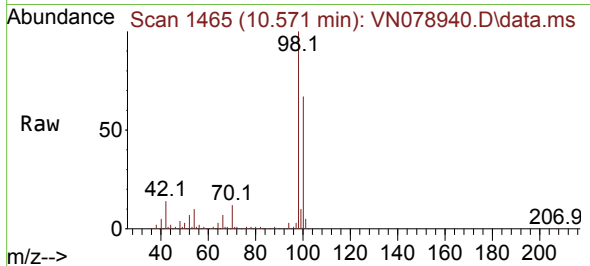




#51
4-Methyl-2-Pentanone
Concen: 0.561 ug/l
RT: 10.571 min Scan# 1445
Delta R.T. 0.118 min
Lab File: VN078940.D
Acq: 18 Aug 2023 14:12

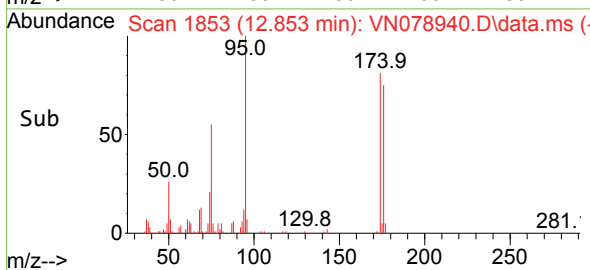
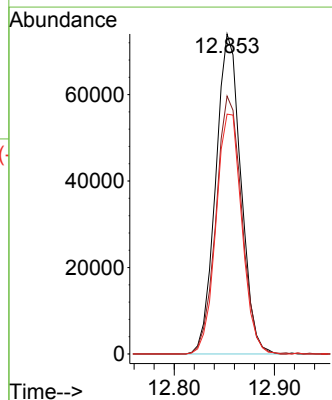
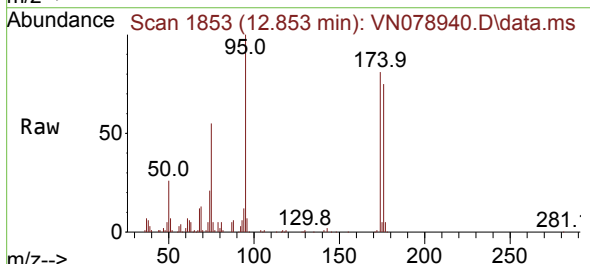
Instrument :
MSVOA_N
ClientSampleId :

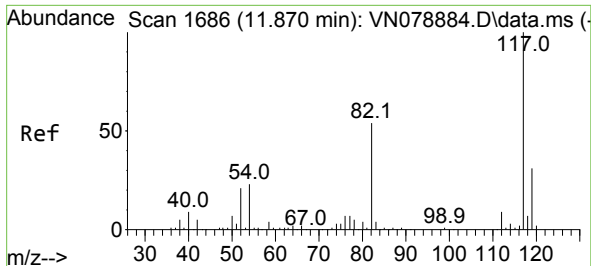
Tgt Ion: 43 Resp: 2471
Ion Ratio Lower Upper
43 100
58 168.4 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 42.687 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078940.D
Acq: 18 Aug 2023 14:12

Tgt Ion: 95 Resp: 129230
Ion Ratio Lower Upper
95 100
174 82.4 0.0 143.8
176 76.7 0.0 135.8

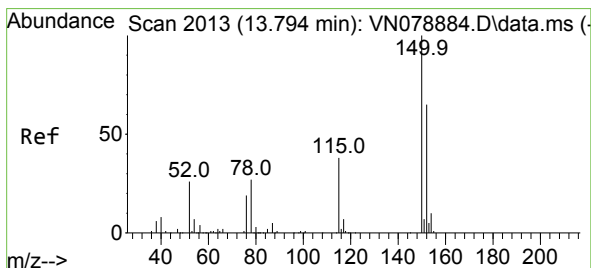
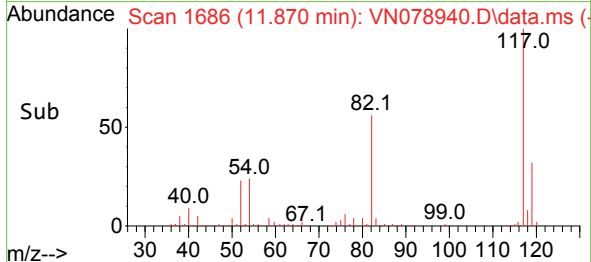
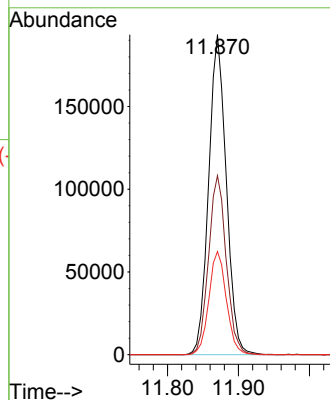
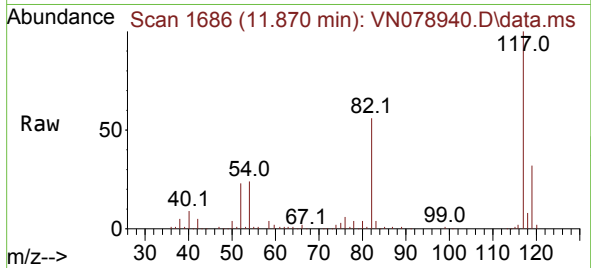




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN078940.D
Acq: 18 Aug 2023 14:12

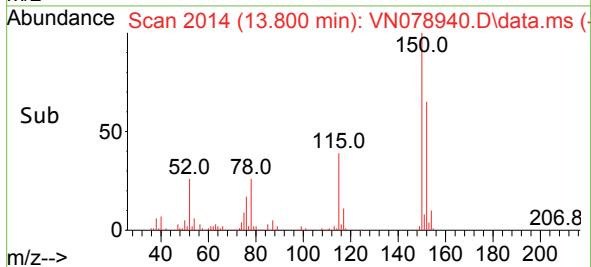
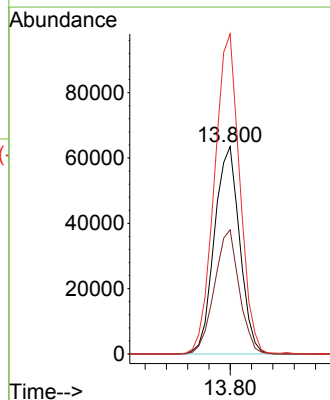
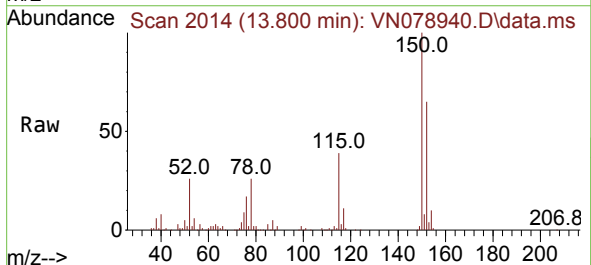
Instrument :
MSVOA_N
ClientSampleId :

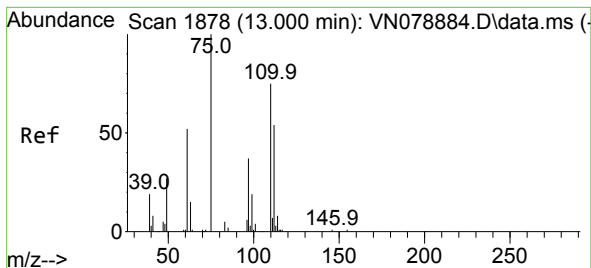
Tgt Ion:117 Resp: 332821
Ion Ratio Lower Upper
117 100
82 55.9 44.0 66.0
119 32.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.006 min
Lab File: VN078940.D
Acq: 18 Aug 2023 14:12

Tgt Ion:152 Resp: 104292
Ion Ratio Lower Upper
152 100
115 58.8 32.3 96.8
150 155.0 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 29.152 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078940.D

Acq: 18 Aug 2023 14:12

Instrument :

MSVOA_N

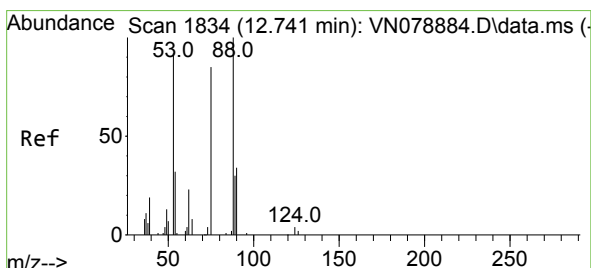
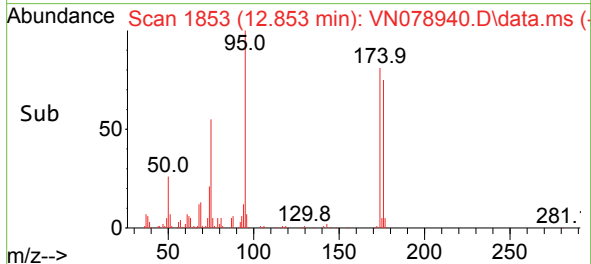
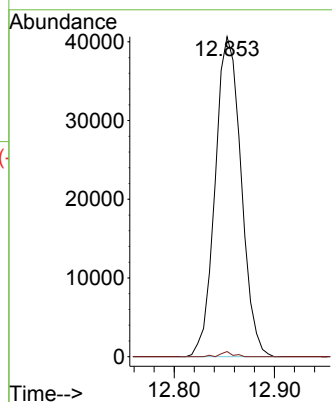
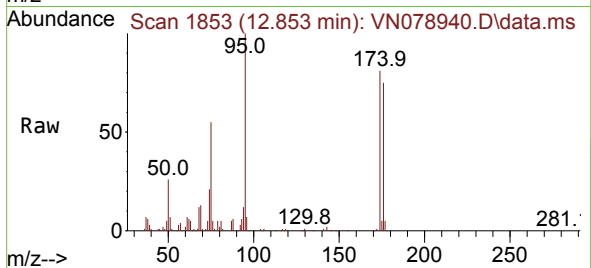
ClientSampleId :

Tgt Ion: 75 Resp: 73257

Ion Ratio Lower Upper

75 100

77 0.8 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.471 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078940.D

Acq: 18 Aug 2023 14:12

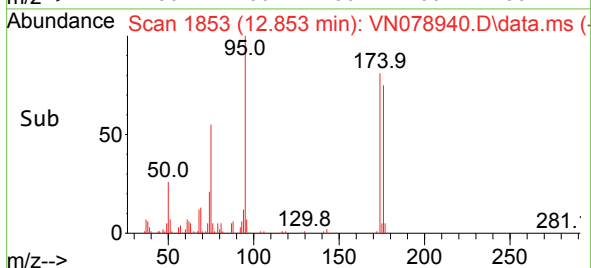
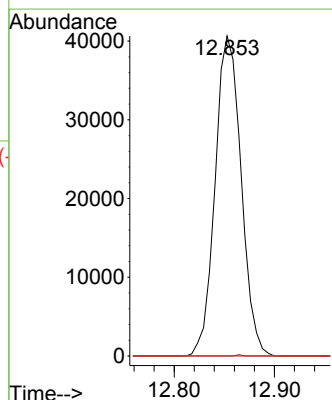
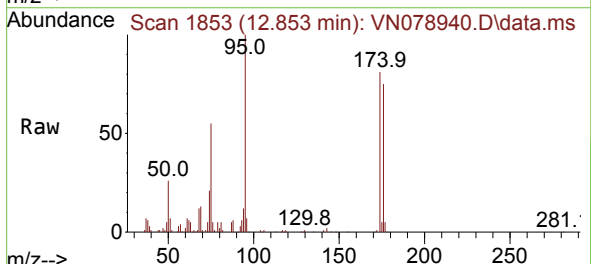
Tgt Ion: 75 Resp: 73257

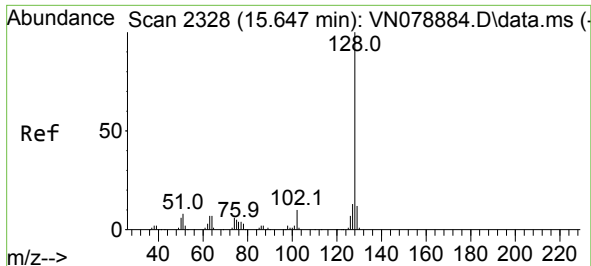
Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

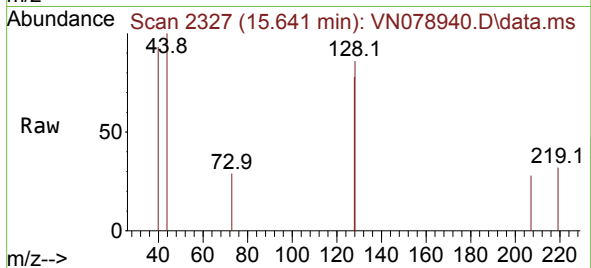
89 0.0 38.8 58.2#



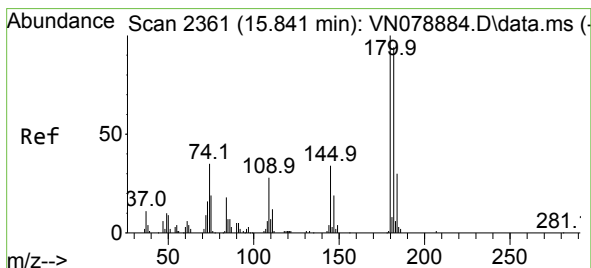
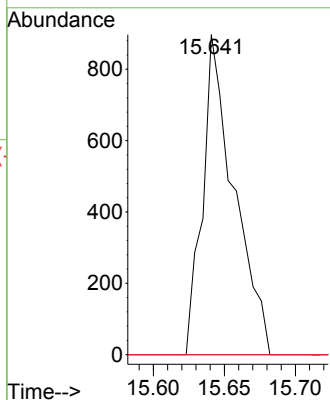
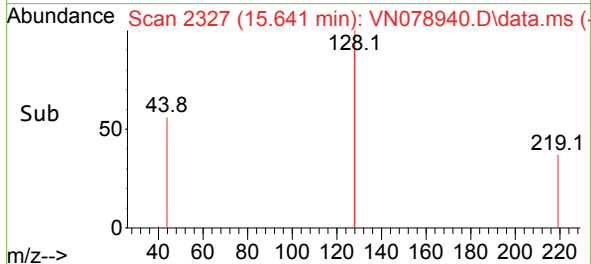


#95
Naphthalene
Concen: 2.847 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN078940.D
Acq: 18 Aug 2023 14:12

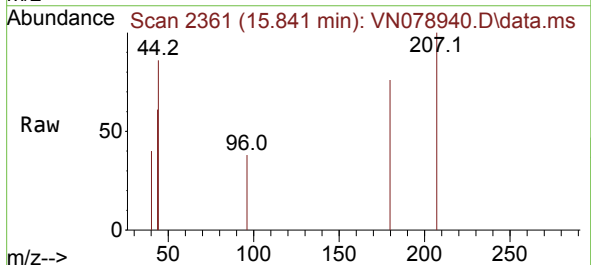
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 1380
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.244 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.006 min
Lab File: VN078940.D
Acq: 18 Aug 2023 14:12



Tgt Ion:180 Resp: 339
Ion Ratio Lower Upper
180 100
182 20.4 46.2 138.6#
145 0.0 17.5 52.6#

