

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110323\
 Data File : VN079846.D
 Acq On : 03 Nov 2023 14:04
 Operator : JC\MD
 Sample : 05225-05RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 04 00:52:18 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	247276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	496732	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	504370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	202999	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	206845	54.905	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.800%
35) Dibromofluoromethane	8.171	113	175165	49.824	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.640%
50) Toluene-d8	10.571	98	608873	47.045	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.080%
62) 4-Bromofluorobenzene	12.853	95	205874	47.963	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.920%

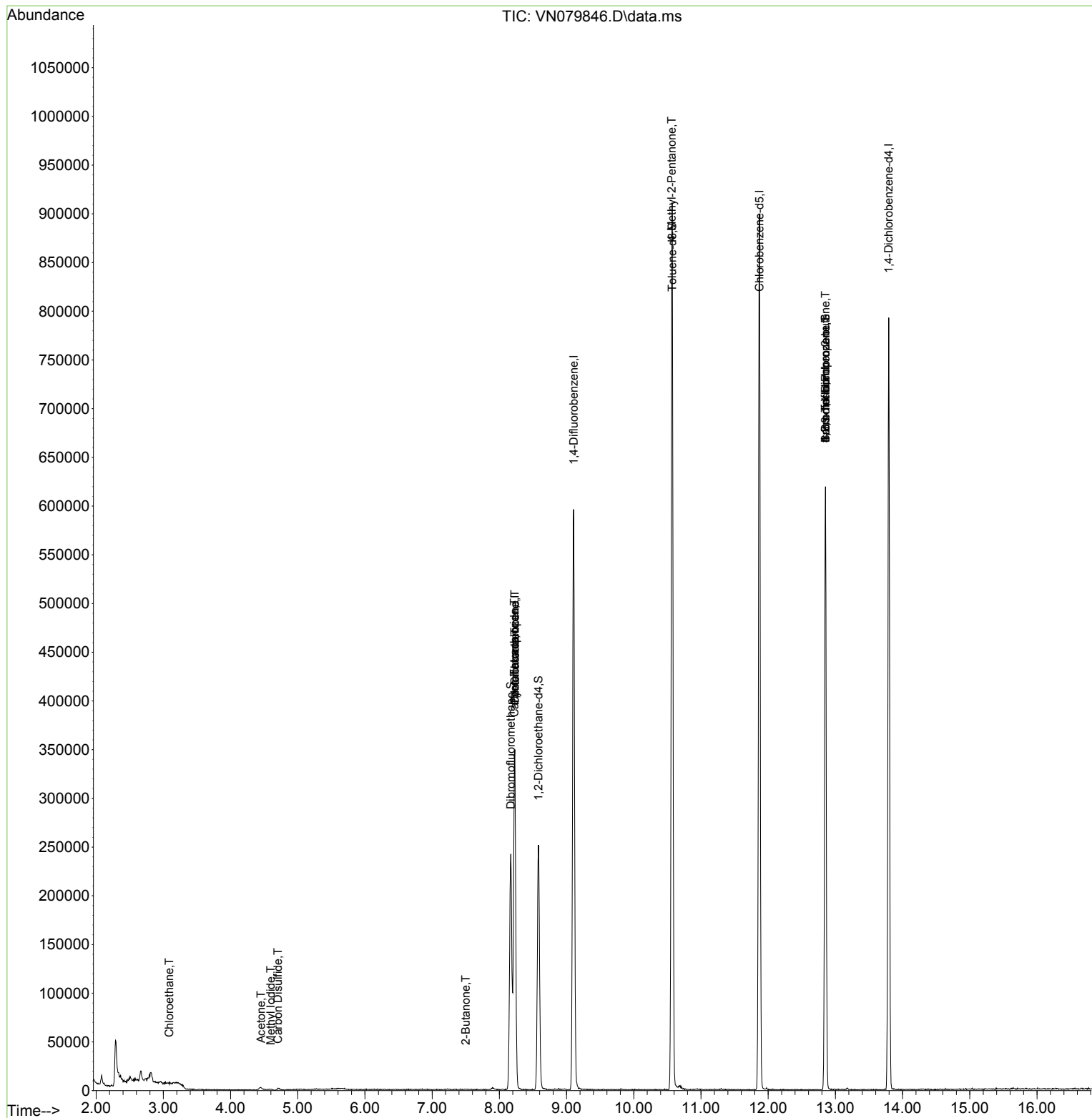
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.365	50	1604	Below Cal	#	65
6) Chloroethane	3.089	64	742	0.241	ug/l #	43
10) Methyl Iodide	4.600	142	690	0.215	ug/l #	38
16) Acetone	4.453	43	4977	3.761	ug/l	93
17) Carbon Disulfide	4.706	76	3024	0.394	ug/l #	68
25) 2-Butanone	7.500	43	504	0.260	ug/l #	37
31) Cyclohexane	8.230	56	6967	1.400	ug/l #	53
36) 1,1-Dichloropropene	8.230	75	22597	4.502	ug/l #	47
38) Carbon Tetrachloride	8.224	117	27603	5.456	ug/l #	17
51) 4-Methyl-2-Pentanone	10.565	43	3048	0.671	ug/l #	1
71) Bromoform	12.853	173	1988	0.710	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	113416	23.798	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	113416	64.748	ug/l #	15

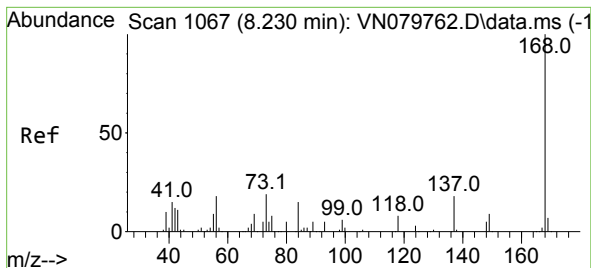
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN079846.D

Acq: 03 Nov 2023 14:04

Instrument :

MSVOA_N

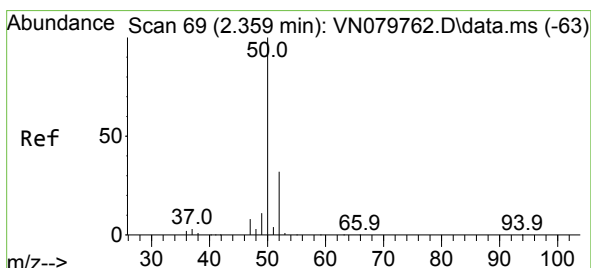
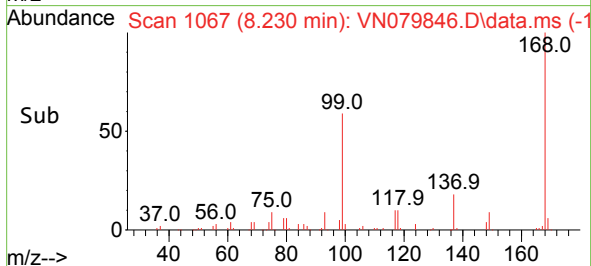
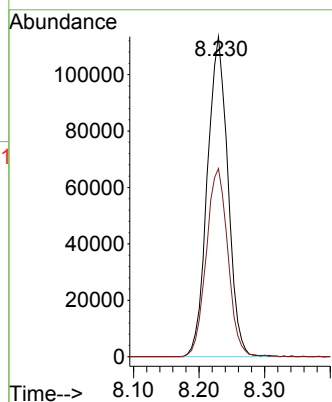
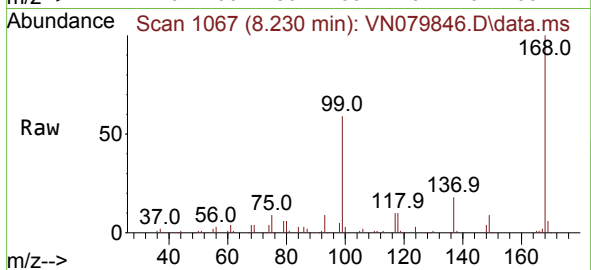
ClientSampleId :

Tgt Ion:168 Resp: 247276

Ion Ratio Lower Upper

168 100

99 58.8 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN079846.D

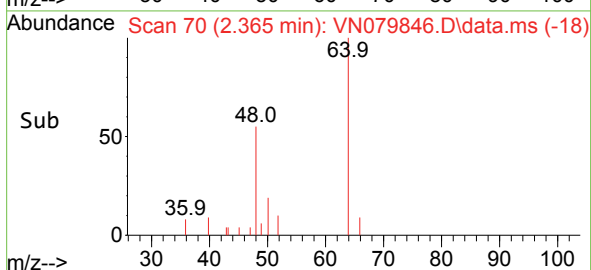
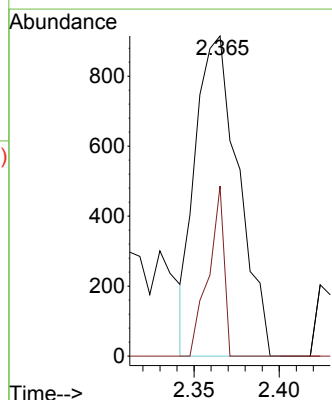
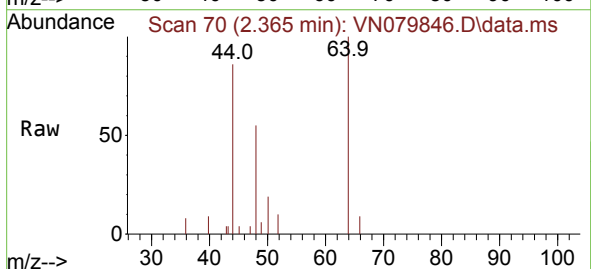
Acq: 03 Nov 2023 14:04

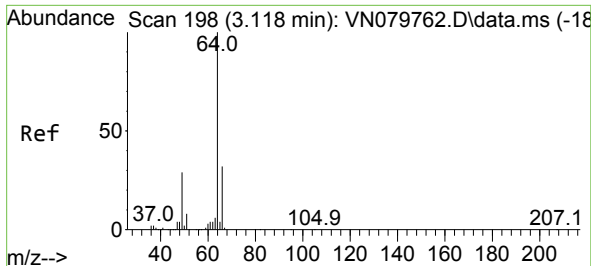
Tgt Ion: 50 Resp: 1604

Ion Ratio Lower Upper

50 100

52 53.1 26.5 39.7#

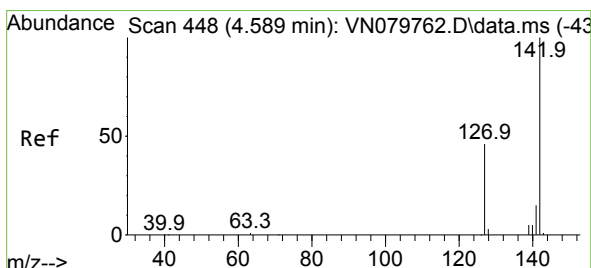
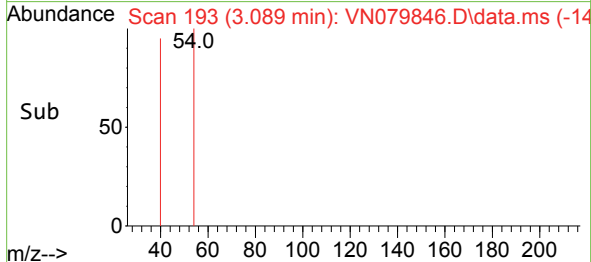
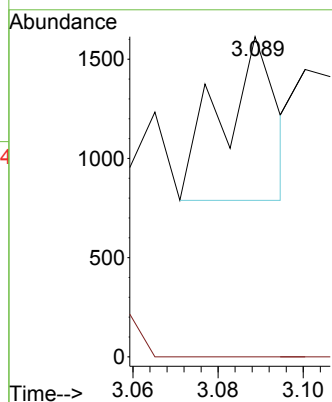
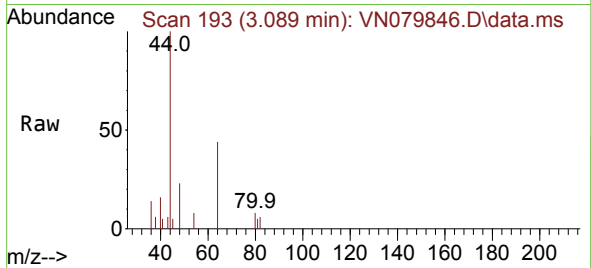




#6
Chloroethane
Concen: 0.241 ug/l
RT: 3.089 min Scan# 198
Delta R.T. -0.029 min
Lab File: VN079846.D
Acq: 03 Nov 2023 14:04

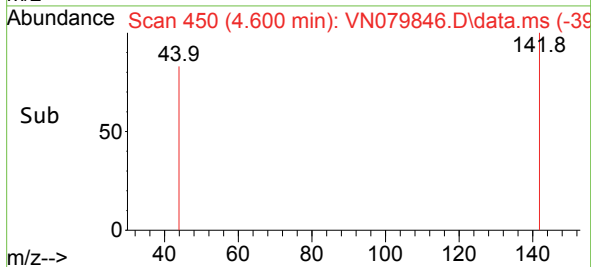
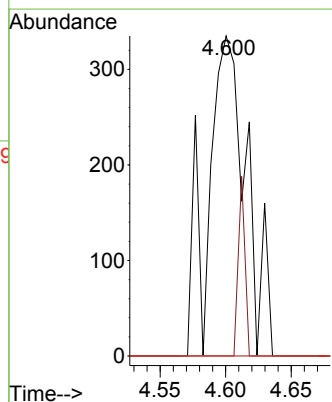
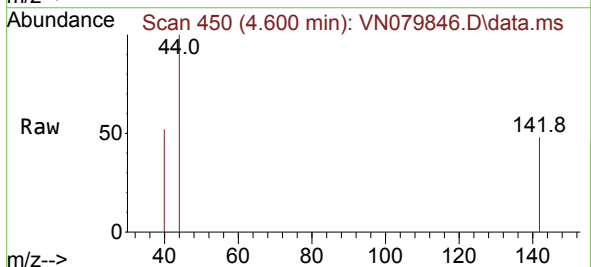
Instrument :
MSVOA_N
ClientSampleId :

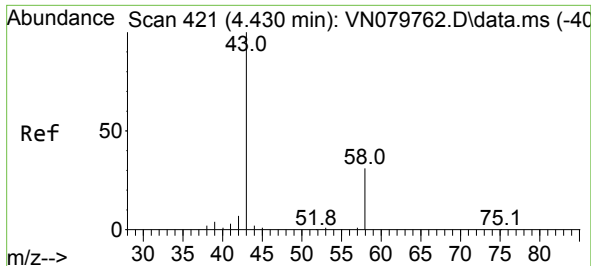
Tgt Ion: 64 Resp: 742
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#10
Methyl Iodide
Concen: 0.215 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.006 min
Lab File: VN079846.D
Acq: 03 Nov 2023 14:04

Tgt Ion: 142 Resp: 690
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.0#





#16

Acetone

Concen: 3.761 ug/l

RT: 4.453 min Scan# 41

Delta R.T. 0.024 min

Lab File: VN079846.D

Acq: 03 Nov 2023 14:04

Instrument :

MSVOA_N

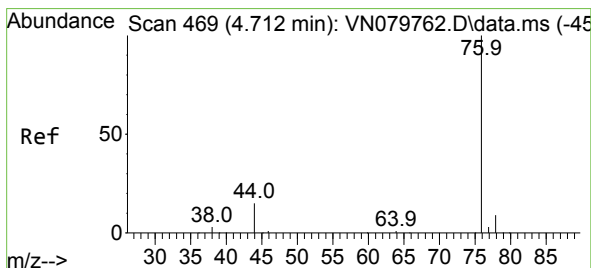
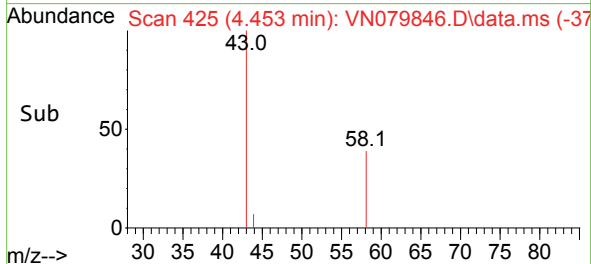
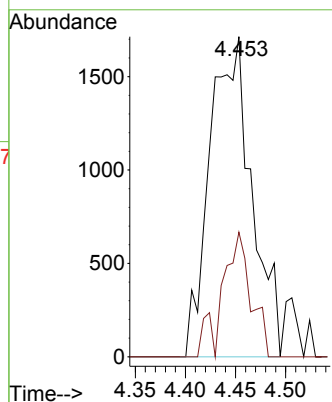
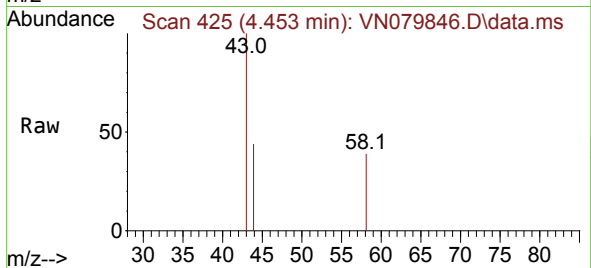
ClientSampleId :

Tgt Ion: 43 Resp: 4977

Ion Ratio Lower Upper

43 100

58 38.9 28.0 42.0



#17

Carbon Disulfide

Concen: 0.394 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.006 min

Lab File: VN079846.D

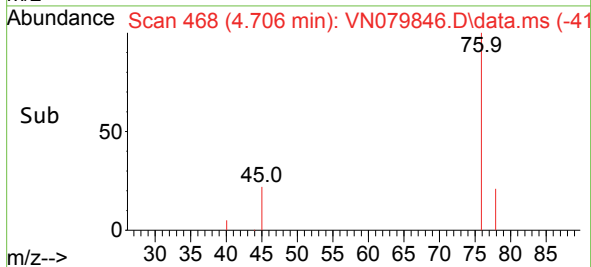
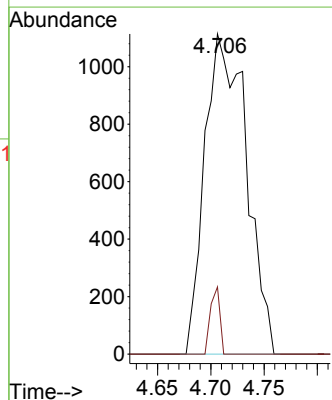
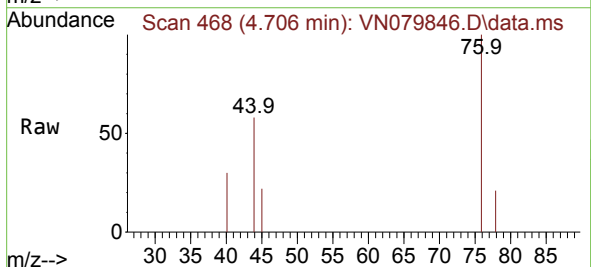
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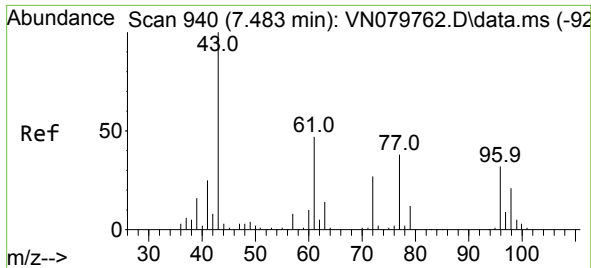
Tgt Ion: 76 Resp: 3024

Ion Ratio Lower Upper

76 100

78 21.0 7.4 11.0#

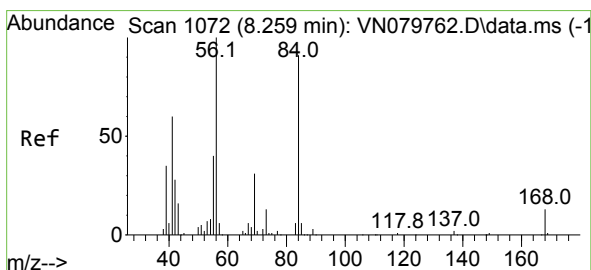
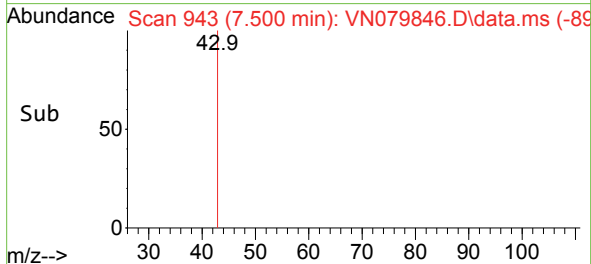
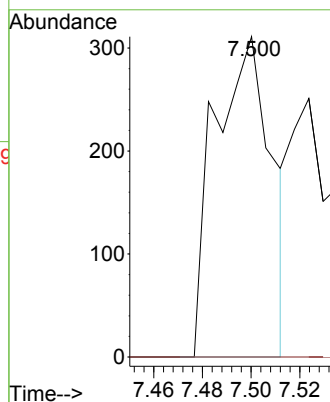
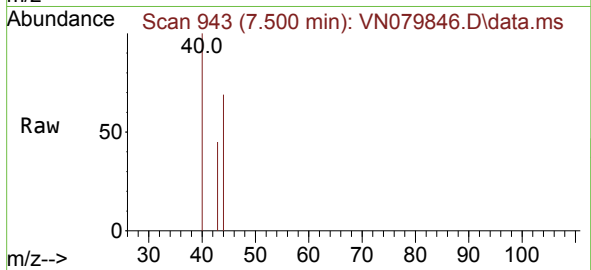




#25
2-Butanone
Concen: 0.260 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN079846.D
Acq: 03 Nov 2023 14:04

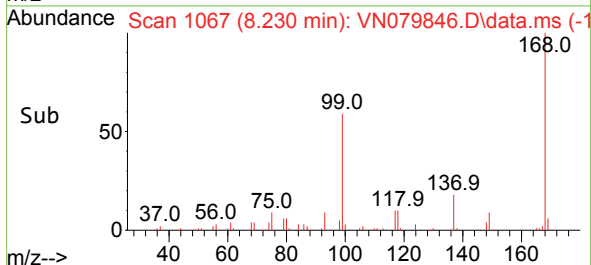
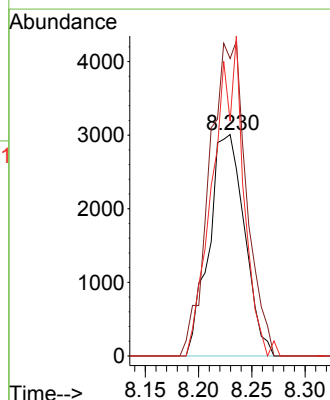
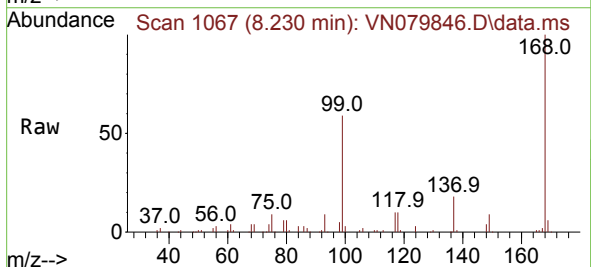
Instrument :
MSVOA_N
ClientSampleId :

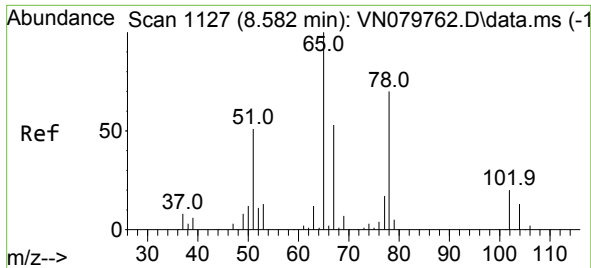
Tgt Ion: 43 Resp: 504
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.400 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN079846.D
Acq: 03 Nov 2023 14:04

Tgt Ion: 56 Resp: 6967
Ion Ratio Lower Upper
56 100
69 134.3 26.8 40.2#
84 106.0 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 54.905 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079846.D

Acq: 03 Nov 2023 14:04

Instrument :

MSVOA_N

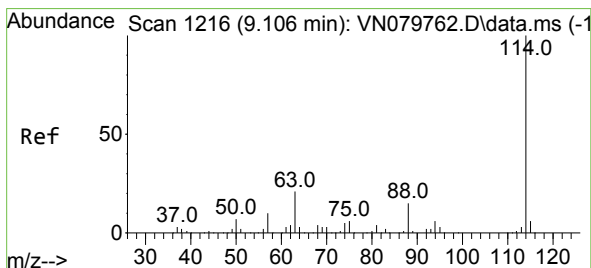
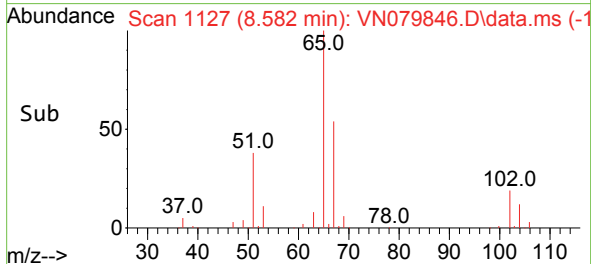
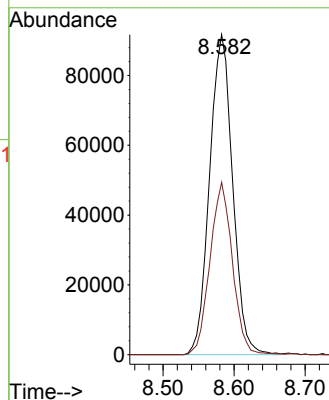
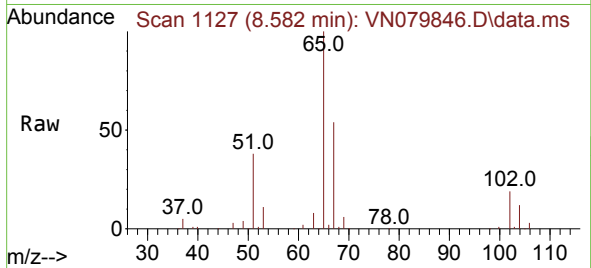
ClientSampleId :

Tgt Ion: 65 Resp: 206845

Ion Ratio Lower Upper

65 100

67 52.4 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: VN079846.D

Acq: 03 Nov 2023 14:04

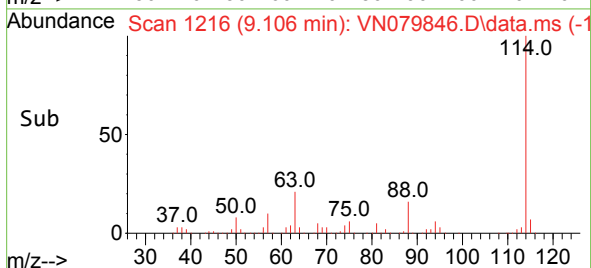
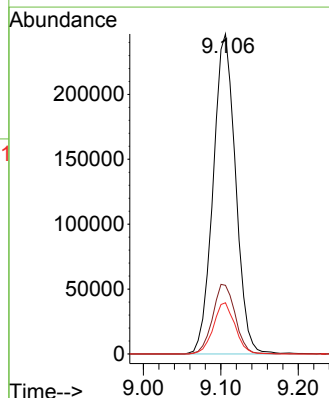
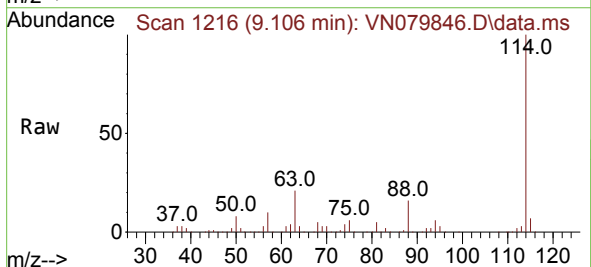
Tgt Ion: 114 Resp: 496732

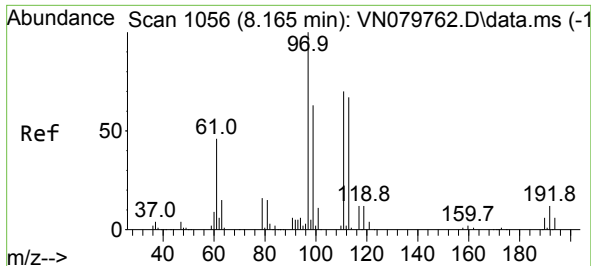
Ion Ratio Lower Upper

114 100

63 21.5 0.0 36.4

88 16.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.824 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

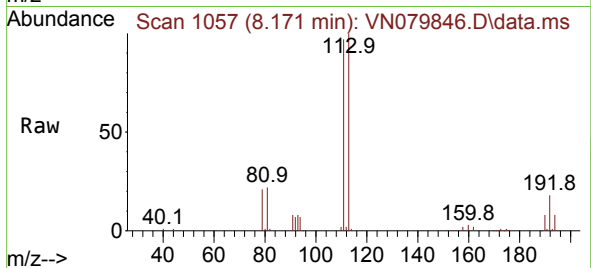
Lab File: VN079846.D

Acq: 03 Nov 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :



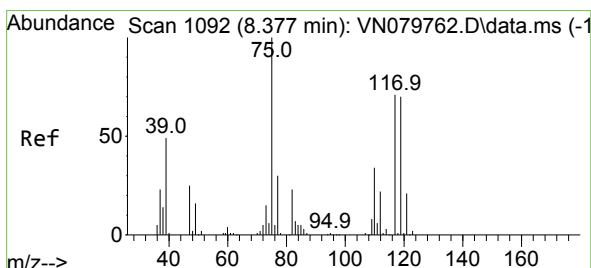
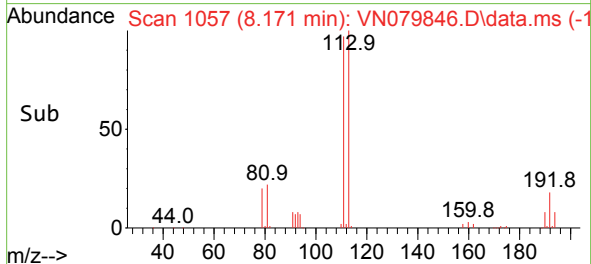
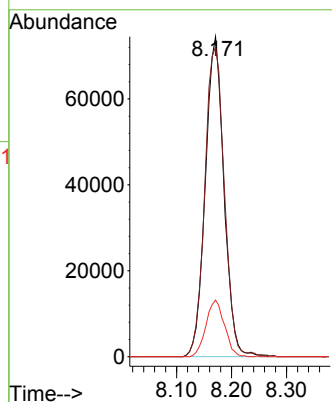
Tgt Ion:113 Resp: 175165

Ion Ratio Lower Upper

113 100

111 101.9 82.6 123.8

192 17.6 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.502 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079846.D

Acq: 03 Nov 2023 14:04

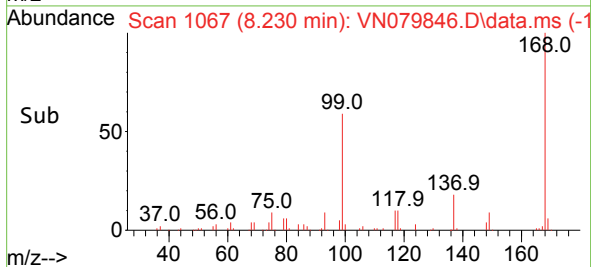
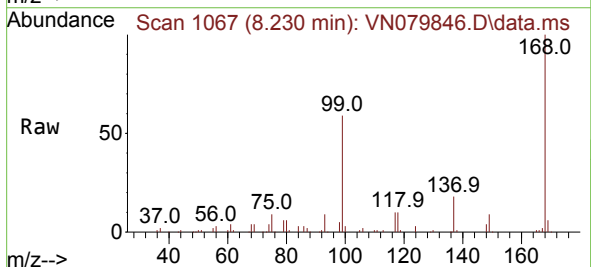
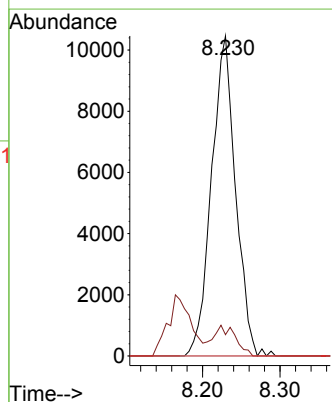
Tgt Ion: 75 Resp: 22597

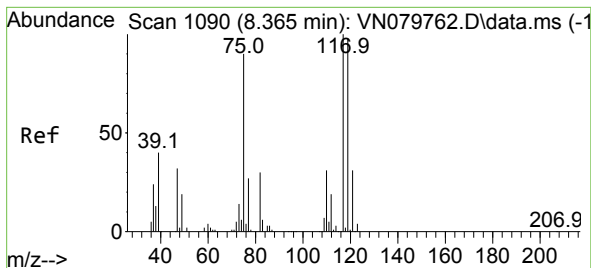
Ion Ratio Lower Upper

75 100

110 8.4 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.456 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.135 min

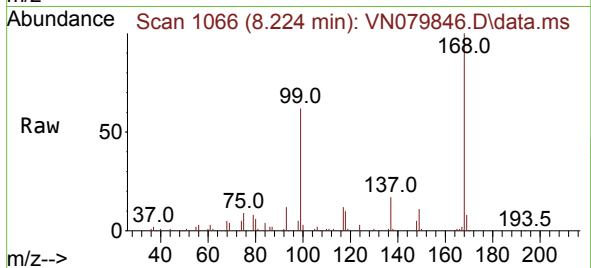
Lab File: VN079846.D

Acq: 03 Nov 2023 14:04

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MSVOA_N

ClientSampleId :



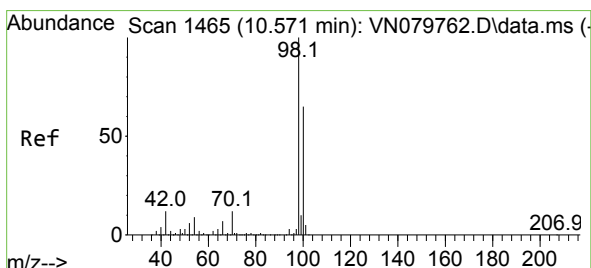
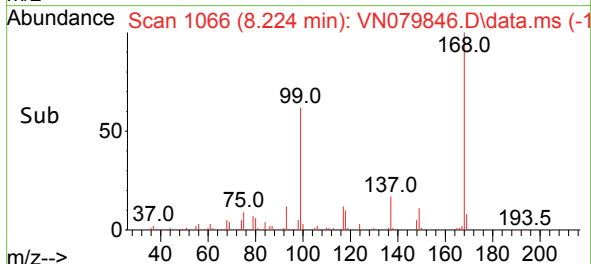
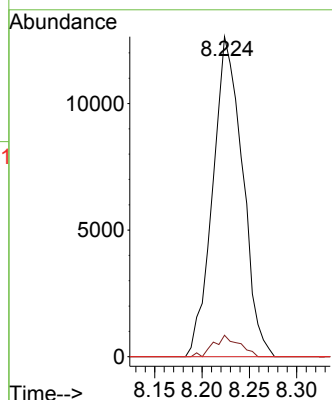
Tgt Ion:117 Resp: 27603

Ion Ratio Lower Upper

117 100

119 6.7 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 47.045 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079846.D

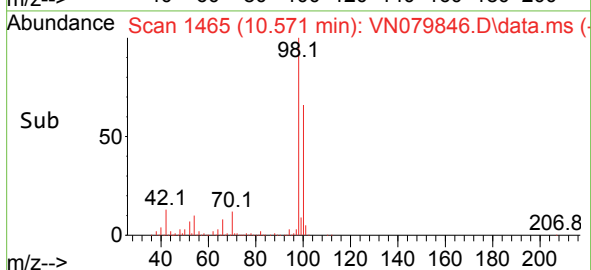
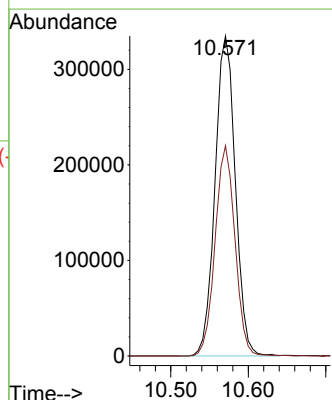
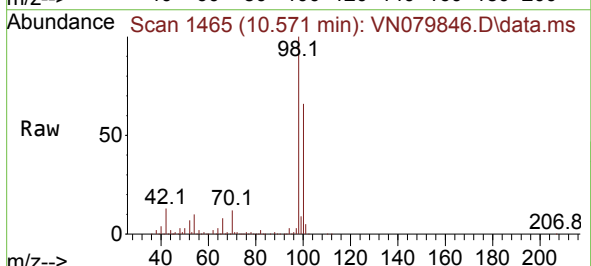
Acq: 03 Nov 2023 14:04

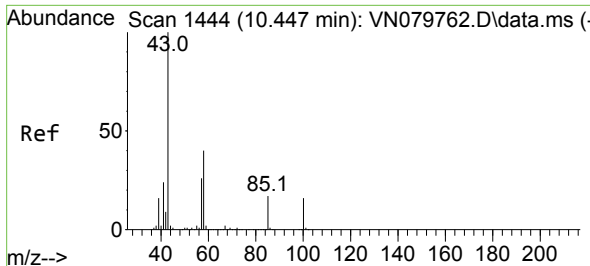
Tgt Ion: 98 Resp: 608873

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0

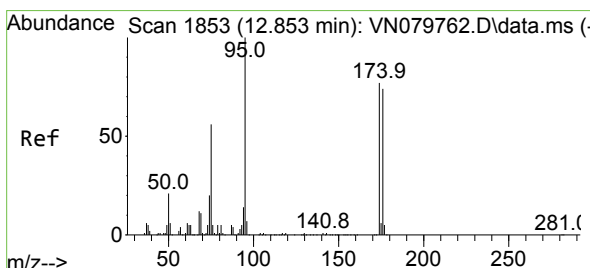
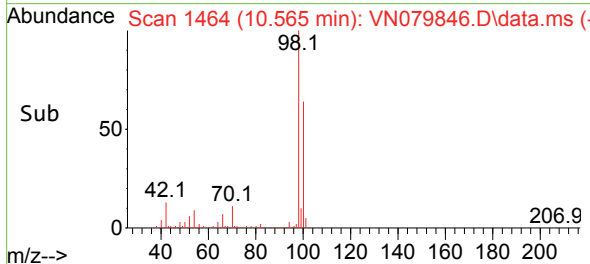
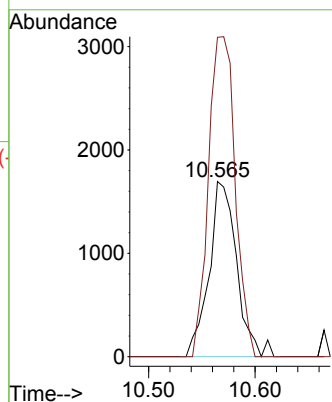
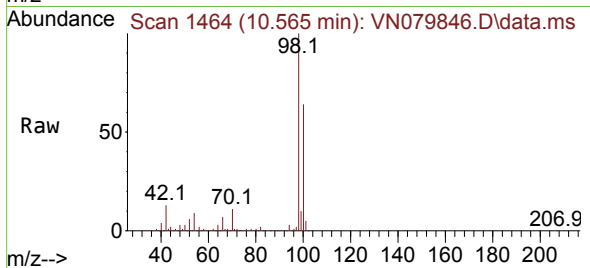




#51
4-Methyl-2-Pentanone
Concen: 0.671 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN079846.D
Acq: 03 Nov 2023 14:04

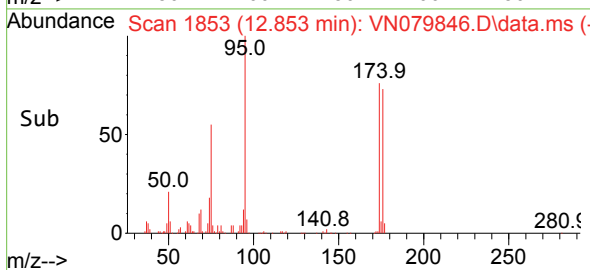
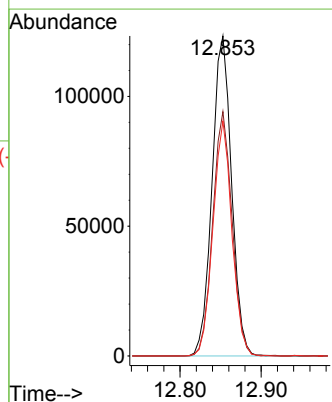
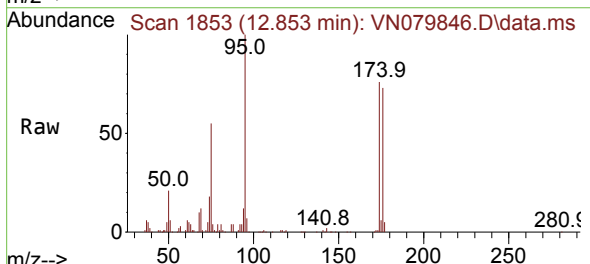
Instrument :
MSVOA_N
ClientSampleId :

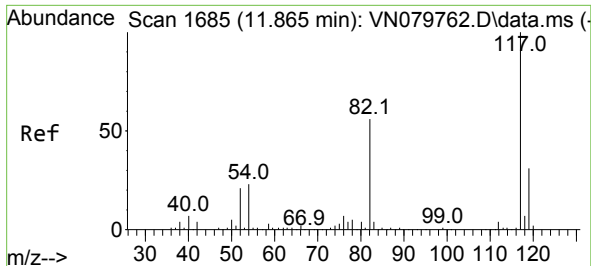
Tgt Ion: 43 Resp: 3048
Ion Ratio Lower Upper
43 100
58 177.2 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 47.963 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079846.D
Acq: 03 Nov 2023 14:04

Tgt Ion: 95 Resp: 205874
Ion Ratio Lower Upper
95 100
174 76.0 0.0 143.8
176 71.4 0.0 135.8

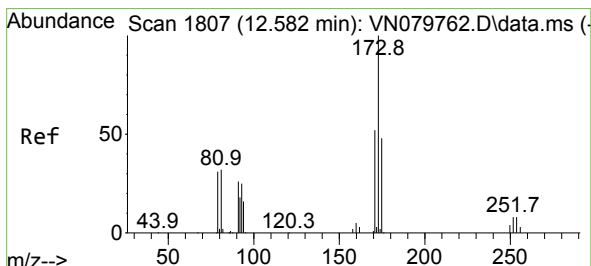
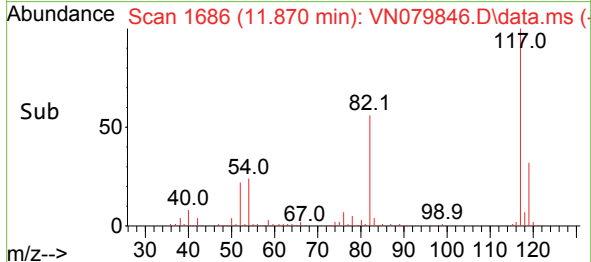
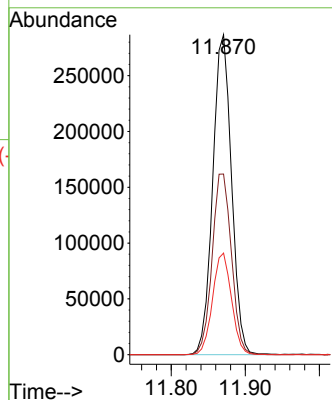
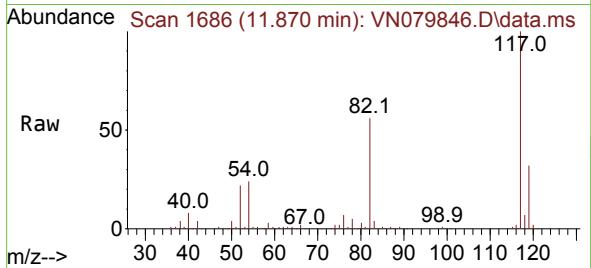




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079846.D
Acq: 03 Nov 2023 14:04

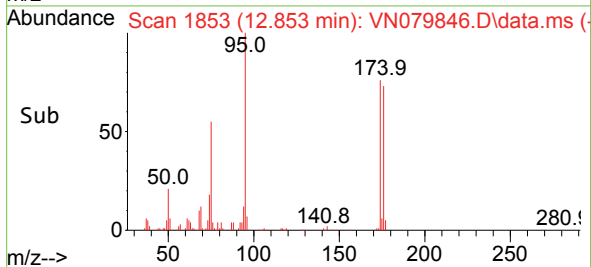
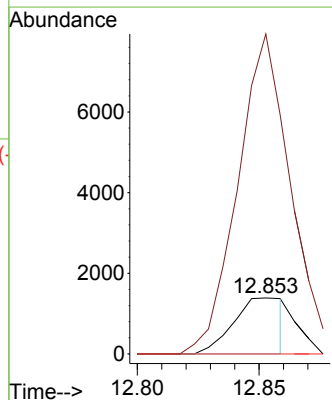
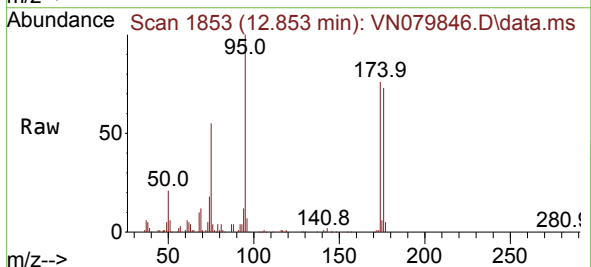
Instrument :
MSVOA_N
ClientSampleId :

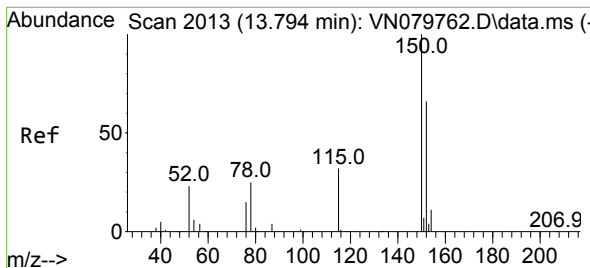
Tgt Ion:117 Resp: 504370
Ion Ratio Lower Upper
117 100
82 56.5 44.0 66.0
119 31.7 25.6 38.4



#71
Bromoform
Concen: 0.710 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079846.D
Acq: 03 Nov 2023 14:04

Tgt Ion:173 Resp: 1988
Ion Ratio Lower Upper
173 100
175 489.5 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# 20

Delta R.T. 0.000 min

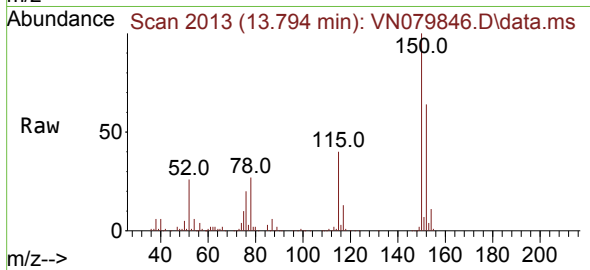
Lab File: VN079846.D

Acq: 03 Nov 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :



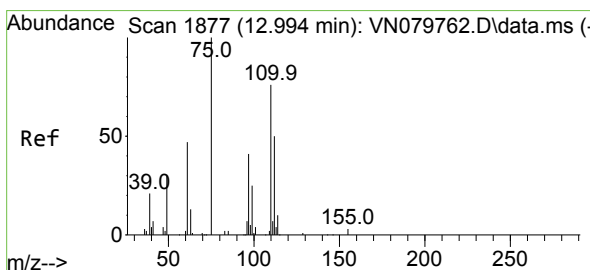
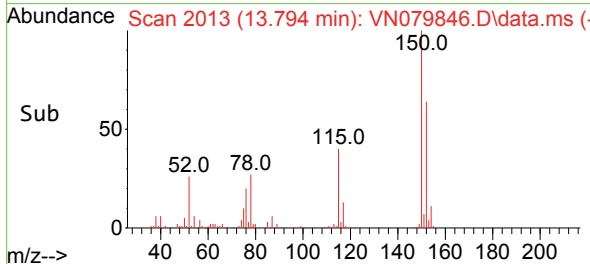
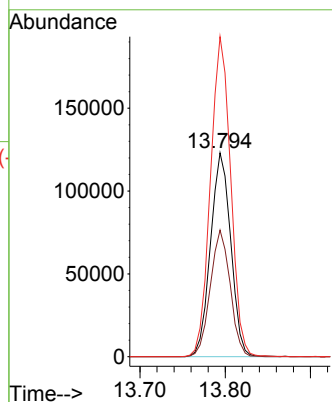
Tgt Ion:152 Resp: 202999

Ion Ratio Lower Upper

152 100

115 61.0 32.3 96.8

150 156.8 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 23.798 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079846.D

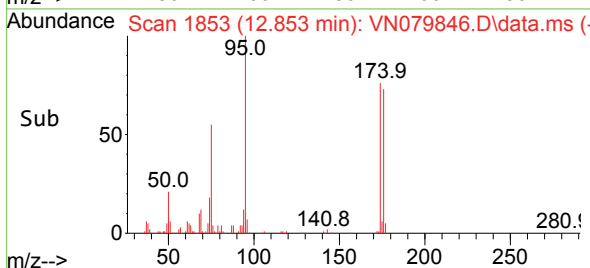
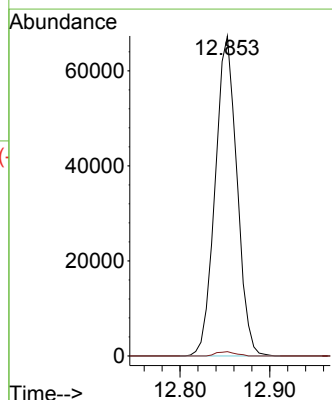
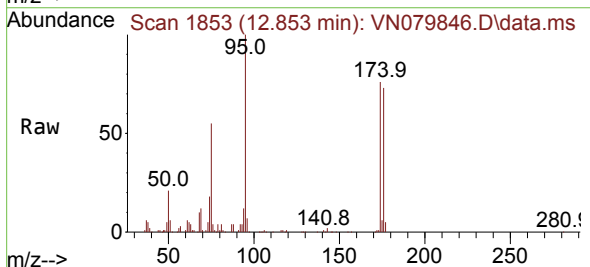
Acq: 03 Nov 2023 14:04

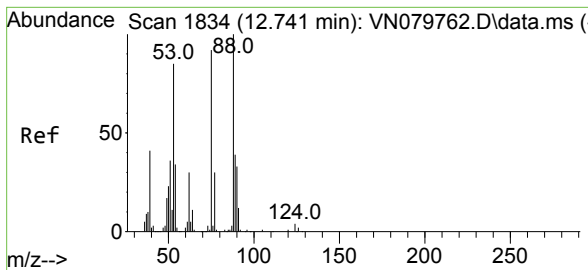
Tgt Ion: 75 Resp: 113416

Ion Ratio Lower Upper

75 100

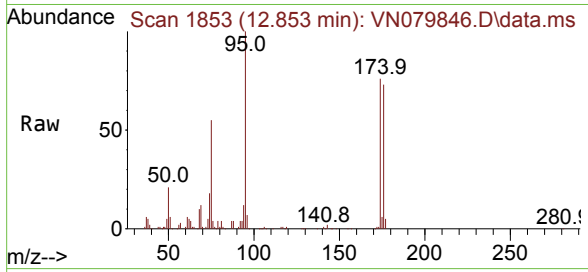
77 1.2 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.748 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN079846.D
 Acq: 03 Nov 2023 14:04

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 113416
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.1 38.8 58.2#

