

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122923\
 Data File : VD078104.D
 Acq On : 29 Dec 2023 13:21
 Operator : RP/MD
 Sample : 06040-01
 Misc : 7.02G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EMS-38-WC-1

Quant Time: Dec 29 22:34:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122623S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 27 03:40:16 2023
 Response via : Initial Calibration

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

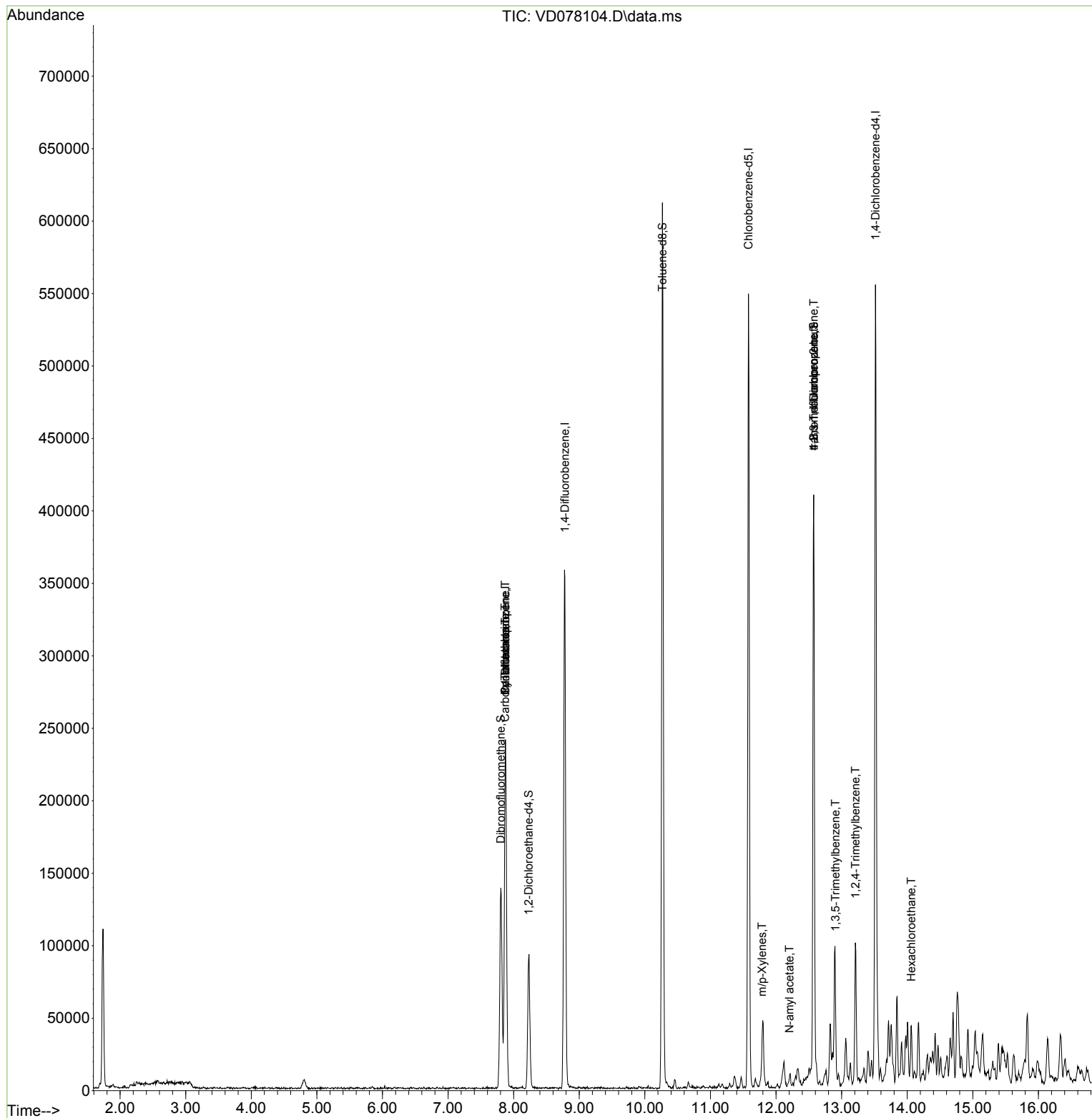
Internal Standards						
1) Pentafluorobenzene	7.875	168	196841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	335168	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	323661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	153532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	71211	40.659	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.320%
35) Dibromofluoromethane	7.804	113	101462	47.048	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.100%
50) Toluene-d8	10.269	98	418105	55.098	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	110.200%
62) 4-Bromofluorobenzene	12.575	95	123291	50.496	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.000%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.922	59	119	Below Cal	#	73
16) Acetone	4.011	43	122	Below Cal	#	32
20) Methylene Chloride	4.811	84	5037	Below Cal		97
25) 2-Butanone	7.157	43	71	Below Cal	#	37
31) Cyclohexane	7.875	56	4116	1.473	ug/l #	63
36) 1,1-Dichloropropene	7.875	75	14697	4.844	ug/l #	48
38) Carbon Tetrachloride	7.869	117	18929	5.757	ug/l #	15
68) m/p-Xylenes	11.787	106	6598	1.414	ug/l	95
74) N-amyl acetate	12.204	43	2008	1.144	ug/l #	63
76) 1,2,3-Trichloropropane	12.575	75	63572	49.079	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.904	105	13960	1.596	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.575	75	63572	105.754	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.210	105	51944	5.831	ug/l	97
90) Hexachloroethane	14.063	117	2413	1.206	ug/l #	11

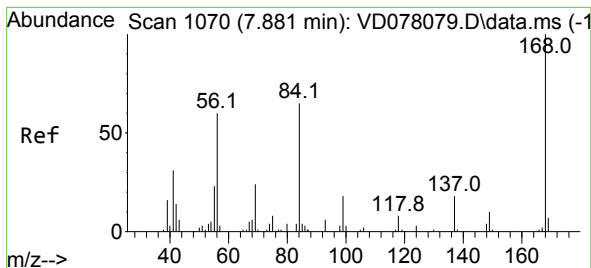
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 27 03:40:16 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD078104.D

Acq: 29 Dec 2023 13:21

Instrument :

MSVOA_D

ClientSampleId :

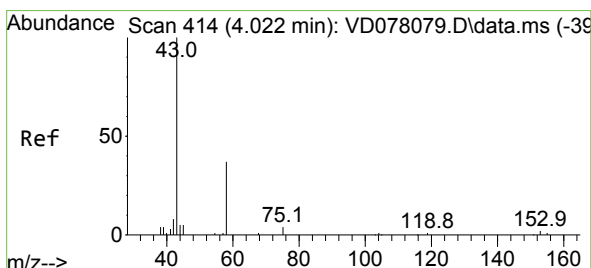
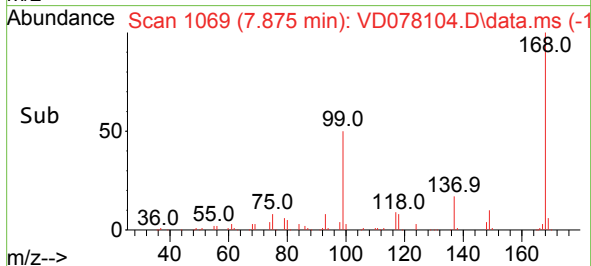
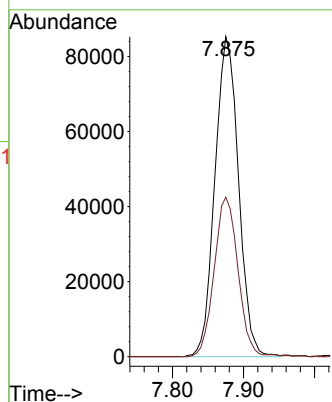
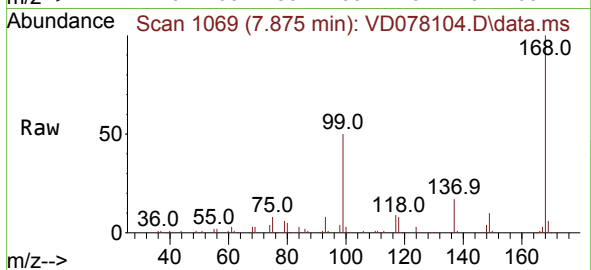
EMS-38-WC-1

Tgt Ion:168 Resp: 196841

Ion Ratio Lower Upper

168 100

99 49.9 36.7 55.1



#16

Acetone

Concen: Below Cal

RT: 4.011 min Scan# 412

Delta R.T. -0.011 min

Lab File: VD078104.D

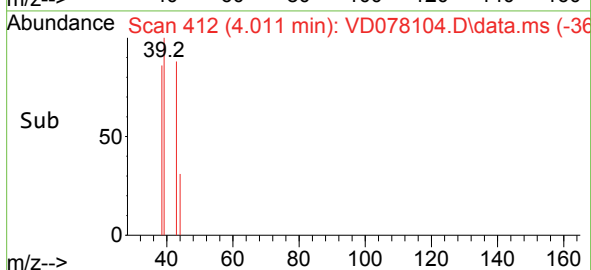
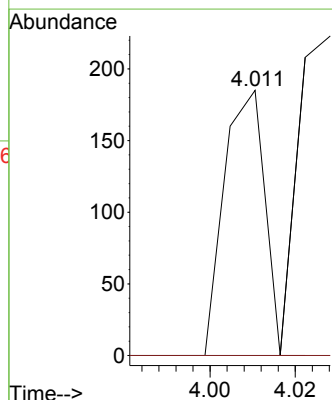
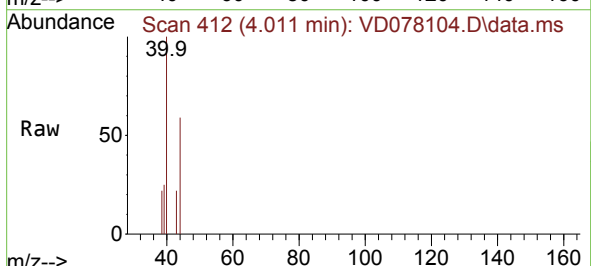
Acq: 29 Dec 2023 13:21

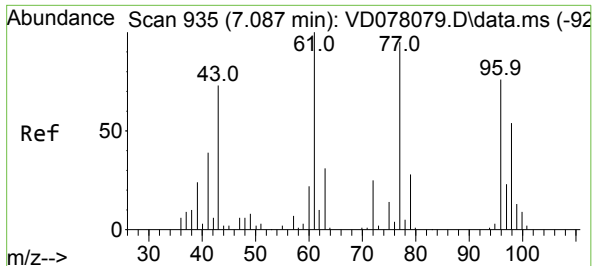
Tgt Ion: 43 Resp: 122

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#





#25

2-Butanone

Concen: Below Cal

RT: 7.157 min Scan# 947

Delta R.T. 0.070 min

Lab File: VD078104.D

Acq: 29 Dec 2023 13:21

Instrument :

MSVOA_D

ClientSampleId :

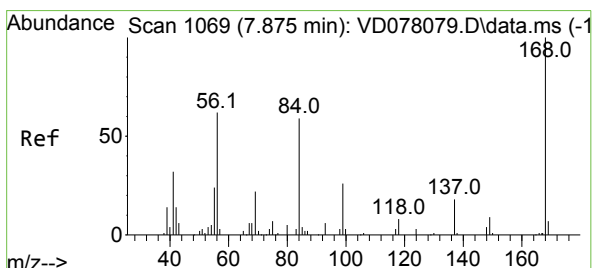
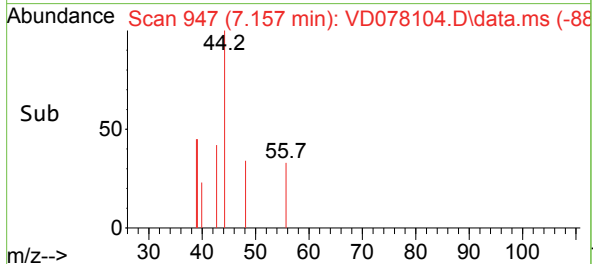
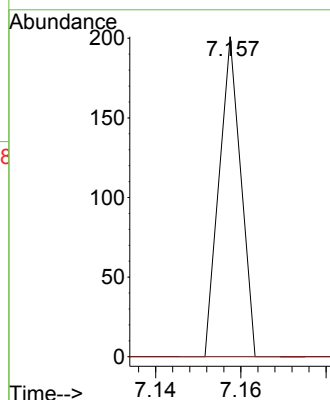
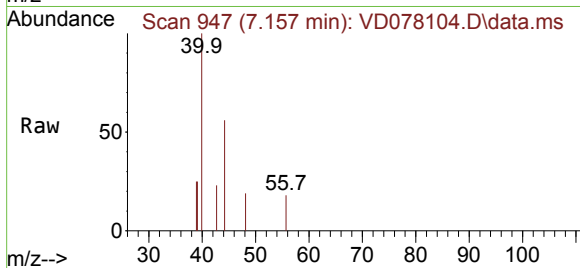
EMS-38-WC-1

Tgt Ion: 43 Resp: 71

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#31

Cyclohexane

Concen: 1.473 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD078104.D

Acq: 29 Dec 2023 13:21

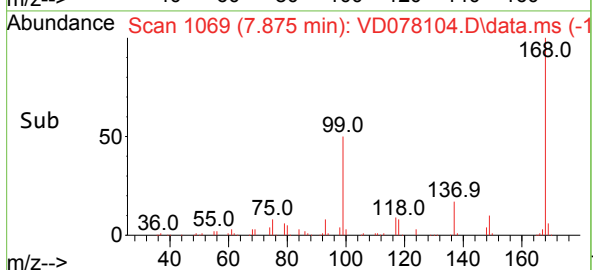
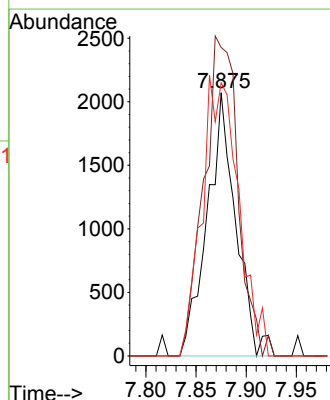
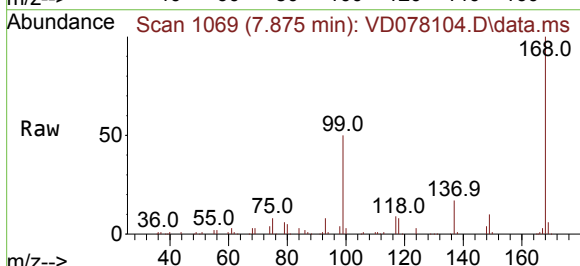
Tgt Ion: 56 Resp: 4116

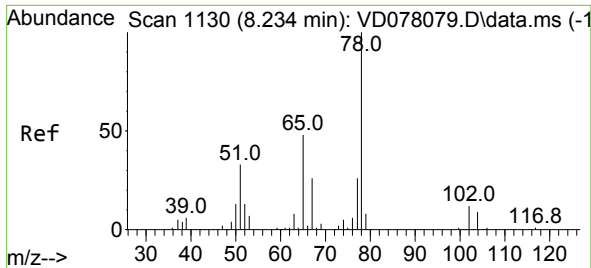
Ion Ratio Lower Upper

56 100

69 117.2 28.6 43.0#

84 103.8 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 40.659 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078104.D

Acq: 29 Dec 2023 13:21

Instrument :

MSVOA_D

ClientSampleId :

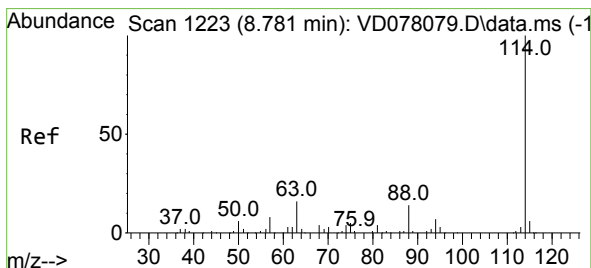
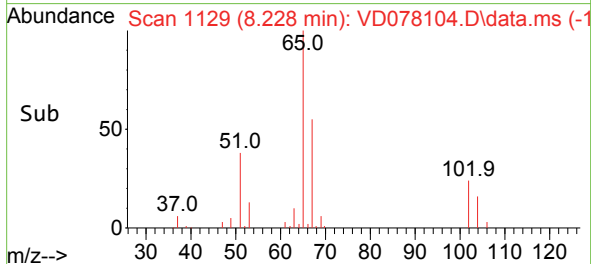
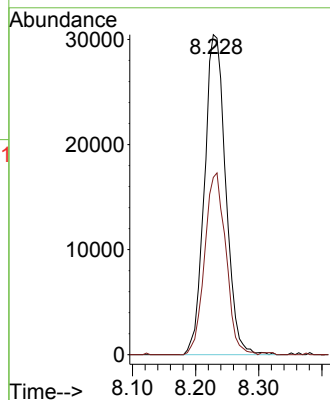
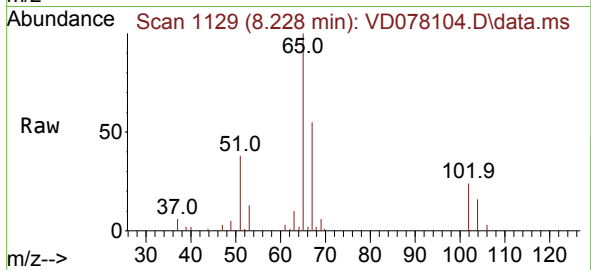
EMS-38-WC-1

Tgt Ion: 65 Resp: 71211

Ion Ratio Lower Upper

65 100

67 56.7 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.000 min

Lab File: VD078104.D

Acq: 29 Dec 2023 13:21

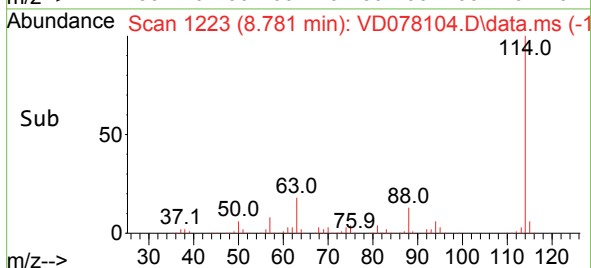
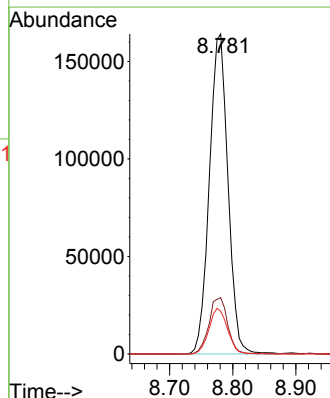
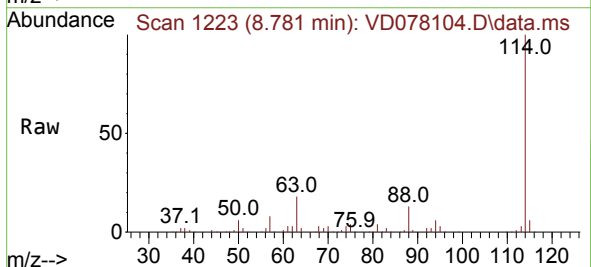
Tgt Ion:114 Resp: 335168

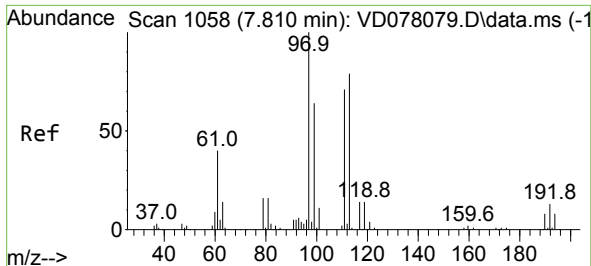
Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.4

88 13.4 0.0 26.2

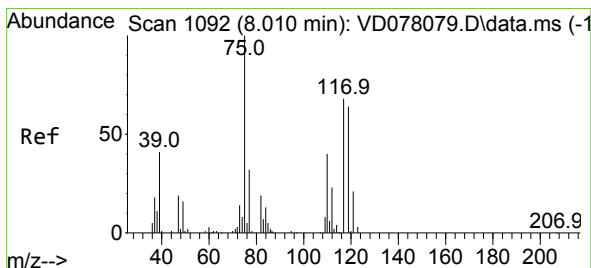
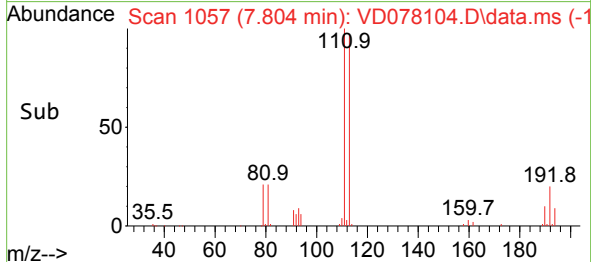
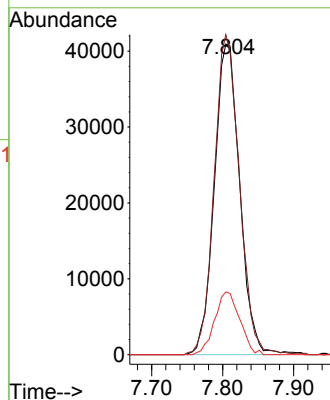
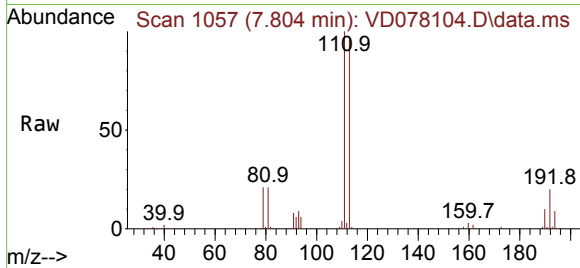




#35
Dibromofluoromethane
Concen: 47.048 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VD078104.D
Acq: 29 Dec 2023 13:21

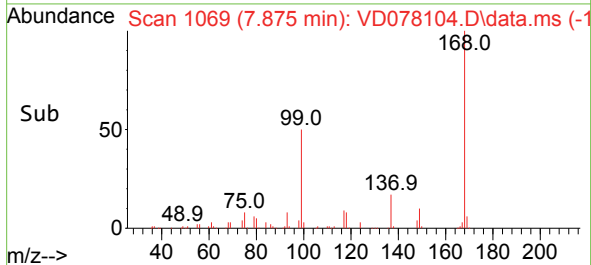
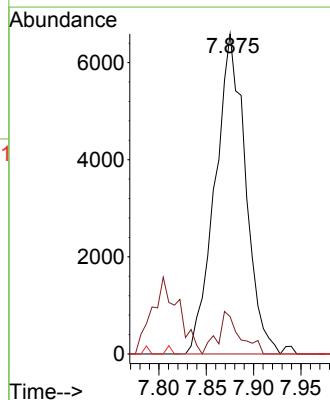
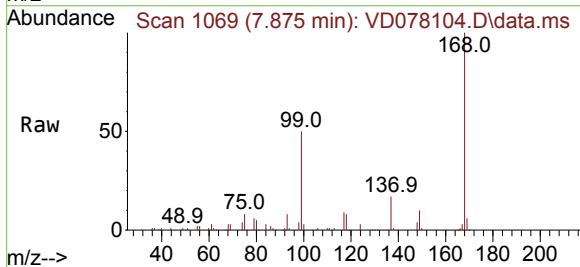
Instrument :
MSVOA_D
ClientSampleId :
EMS-38-WC-1

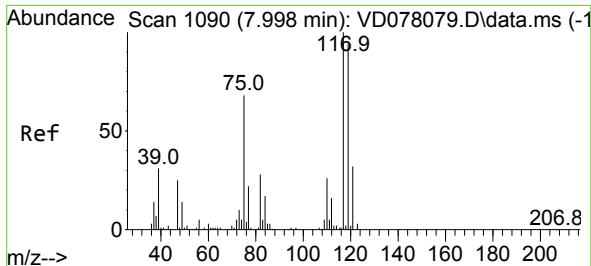
Tgt Ion:113 Resp: 101462
Ion Ratio Lower Upper
113 100
111 102.3 84.7 127.1
192 19.9 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.844 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD078104.D
Acq: 29 Dec 2023 13:21

Tgt Ion: 75 Resp: 14697
Ion Ratio Lower Upper
75 100
110 9.5 19.9 59.6#
77 0.0 24.7 37.1#

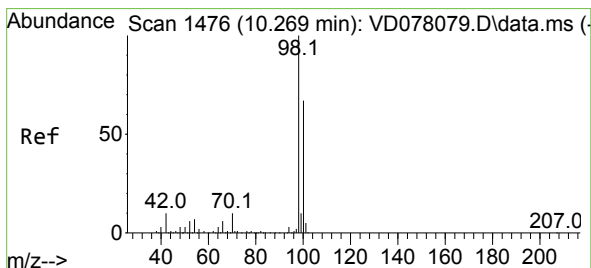
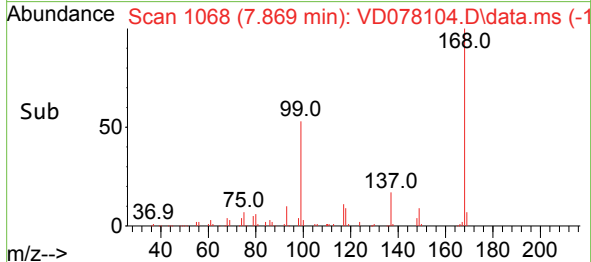
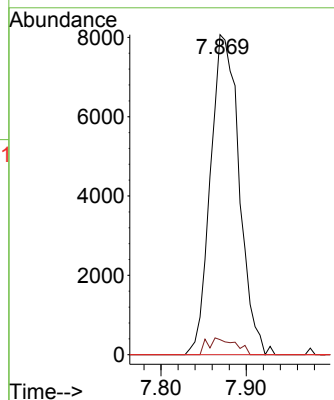
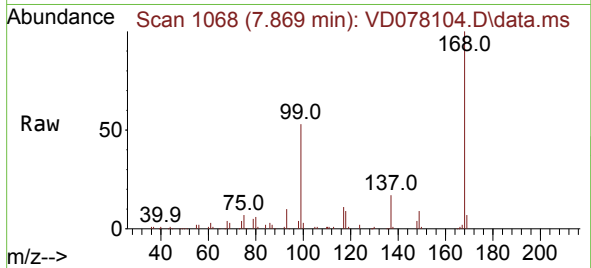




#38
Carbon Tetrachloride
Concen: 5.757 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.129 min
Lab File: VD078104.D
Acq: 29 Dec 2023 13:21

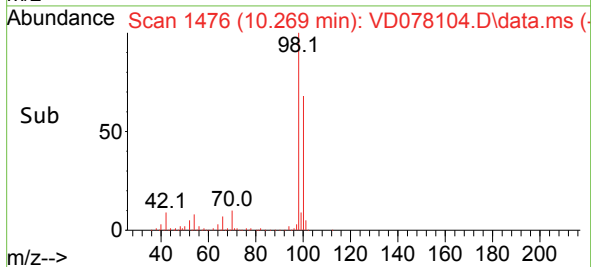
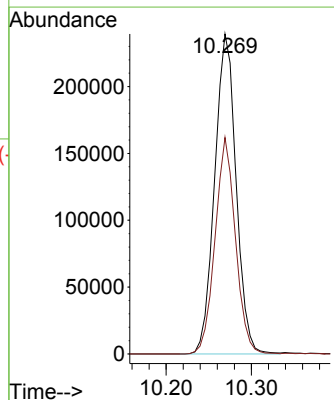
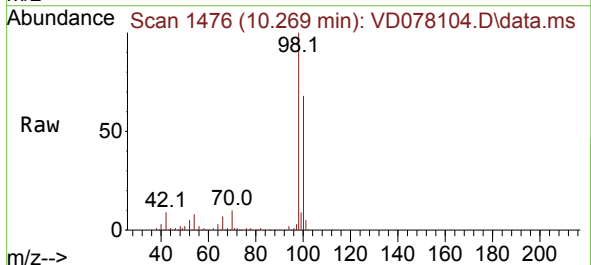
Instrument :
MSVOA_D
ClientSampleId :
EMS-38-WC-1

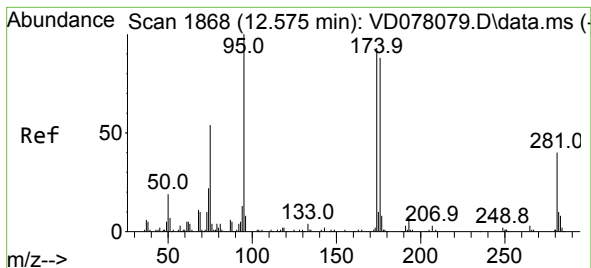
Tgt Ion:117 Resp: 18929
Ion Ratio Lower Upper
117 100
119 4.7 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 55.098 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078104.D
Acq: 29 Dec 2023 13:21

Tgt Ion: 98 Resp: 418105
Ion Ratio Lower Upper
98 100
100 64.4 50.3 75.5

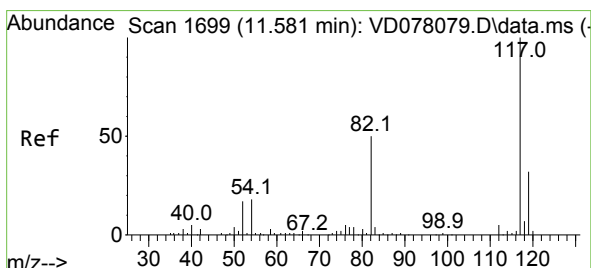
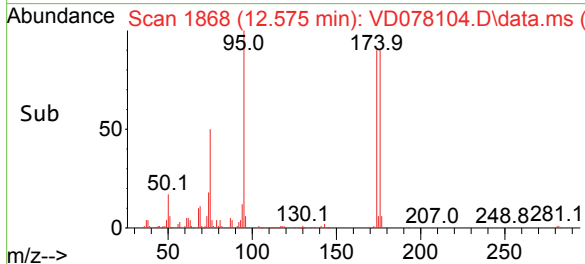
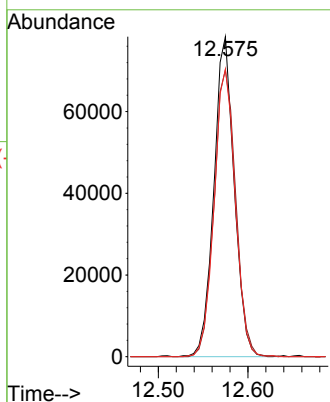
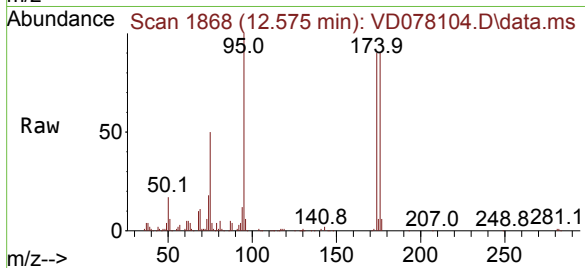




#62
4-Bromofluorobenzene
Concen: 50.496 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078104.D
Acq: 29 Dec 2023 13:21

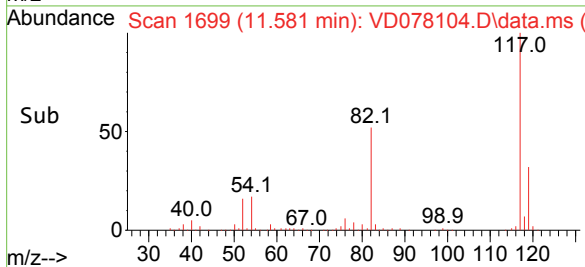
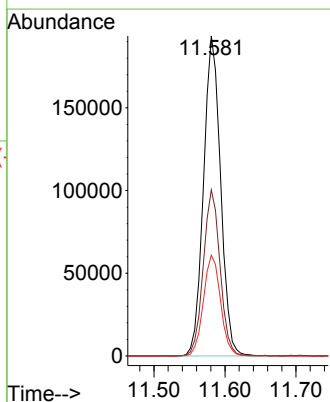
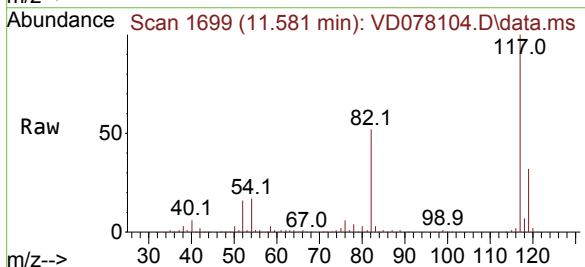
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MSVOA_D
ClientSampleId :
EMS-38-WC-1

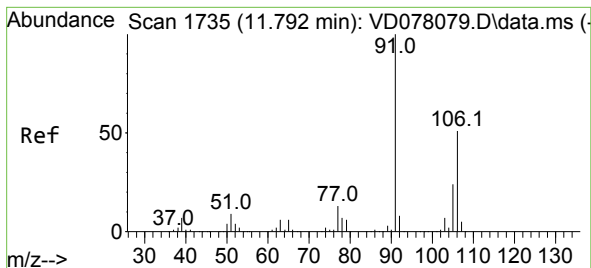
Tgt Ion: 95 Resp: 123291
Ion Ratio Lower Upper
95 100
174 95.1 0.0 201.8
176 93.2 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD078104.D
Acq: 29 Dec 2023 13:21

Tgt Ion: 117 Resp: 323661
Ion Ratio Lower Upper
117 100
82 51.8 38.3 57.5
119 31.5 25.0 37.4





#68

m/p-Xylenes

Concen: 1.414 ug/l

RT: 11.787 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD078104.D

Acq: 29 Dec 2023 13:21

Instrument :

MSVOA_D

ClientSampleId :

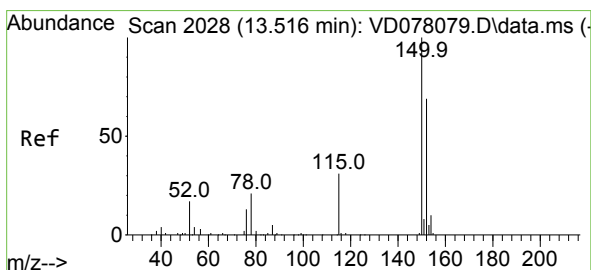
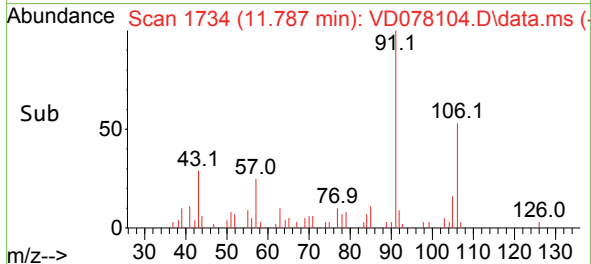
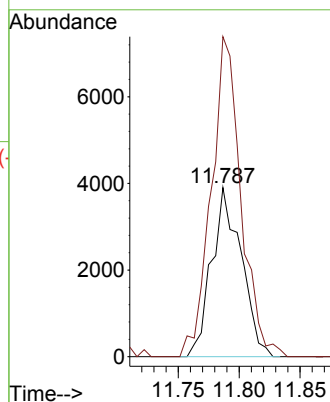
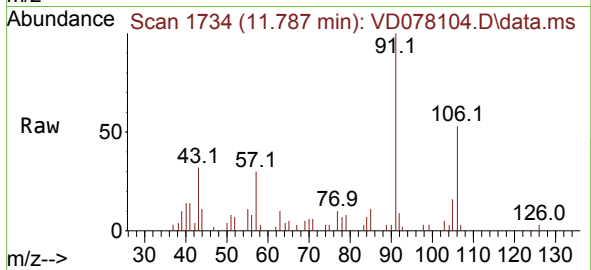
EMS-38-WC-1

Tgt Ion:106 Resp: 6598

Ion Ratio Lower Upper

106 100

91 190.3 147.0 220.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD078104.D

Acq: 29 Dec 2023 13:21

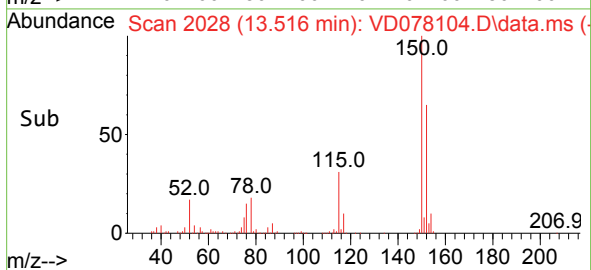
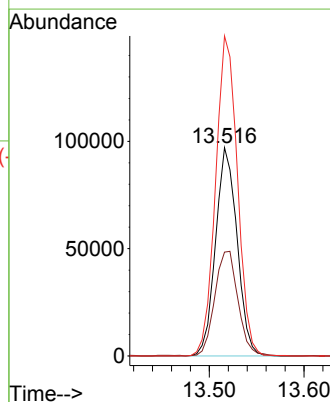
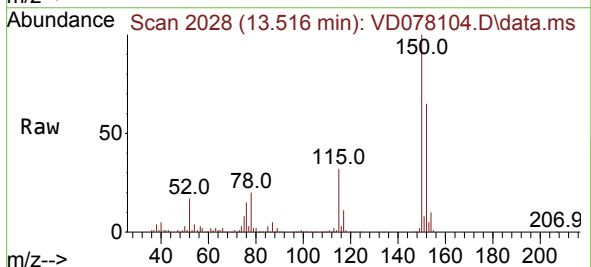
Tgt Ion:152 Resp: 153532

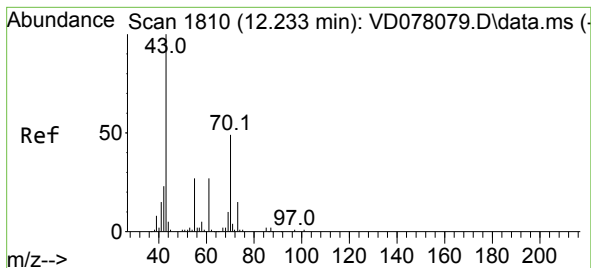
Ion Ratio Lower Upper

152 100

115 54.3 27.1 81.3

150 156.0 0.0 353.6





#74

N-amy1 acetate

Concen: 1.144 ug/l

RT: 12.204 min Scan# 1805

Delta R.T. -0.029 min

Lab File: VD078104.D

Acq: 29 Dec 2023 13:21

Instrument :

MSVOA_D

ClientSampleId :

EMS-38-WC-1

Tgt Ion: 43 Resp: 2008

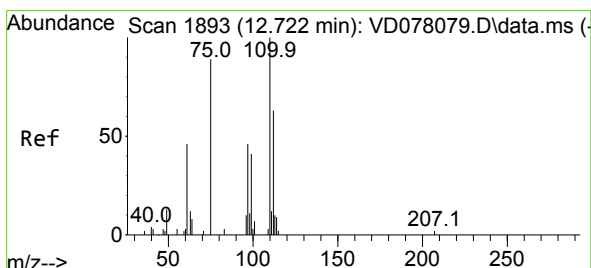
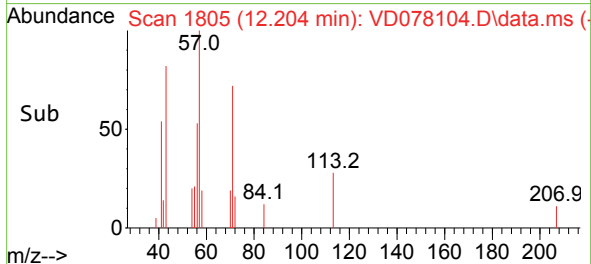
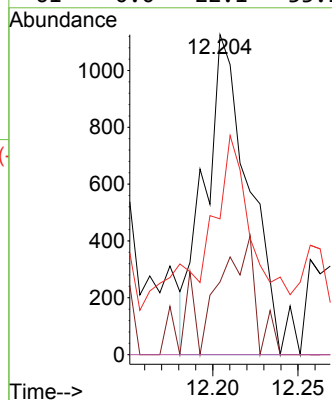
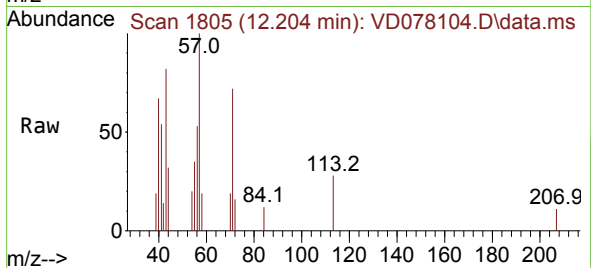
Ion Ratio Lower Upper

43 100

70 29.2 45.0 67.4#

55 42.0 23.8 35.6#

61 0.0 22.1 33.1#



#76

1,2,3-Trichloropropane

Concen: 49.079 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078104.D

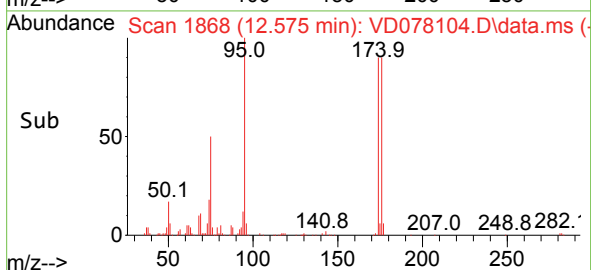
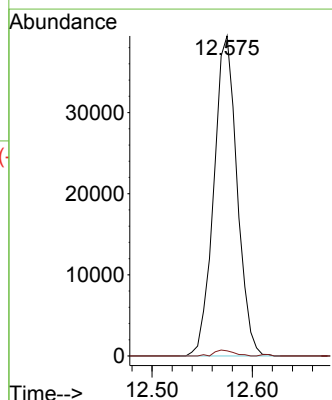
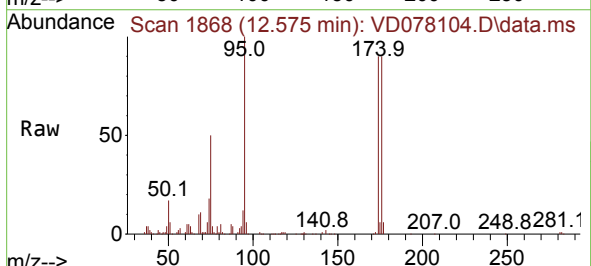
Acq: 29 Dec 2023 13:21

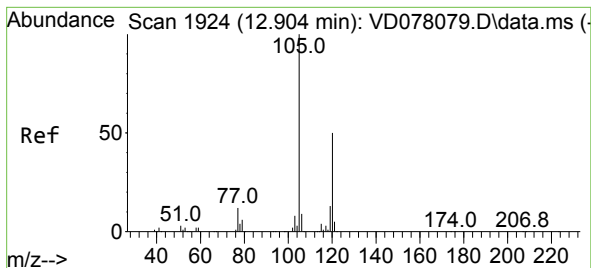
Tgt Ion: 75 Resp: 63572

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 1.596 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD078104.D

Acq: 29 Dec 2023 13:21

Instrument :

MSVOA_D

ClientSampleId :

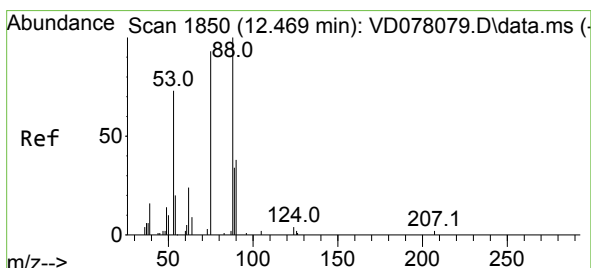
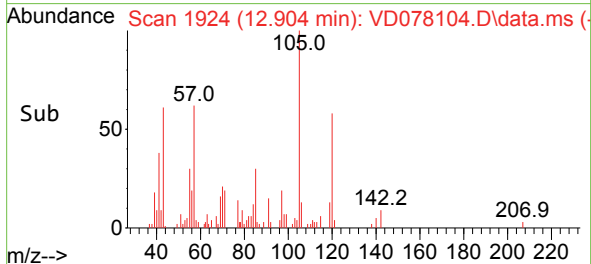
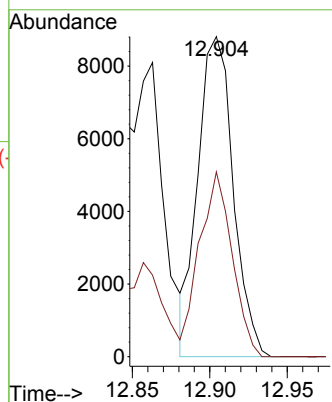
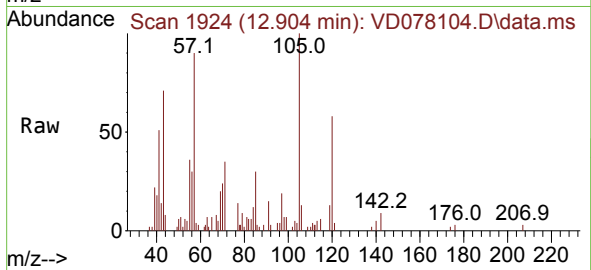
EMS-38-WC-1

Tgt Ion:105 Resp: 13960

Ion Ratio Lower Upper

105 100

120 53.5 26.4 79.2



#81

trans-1,4-Dichloro-2-butene

Concen: 105.754 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.106 min

Lab File: VD078104.D

Acq: 29 Dec 2023 13:21

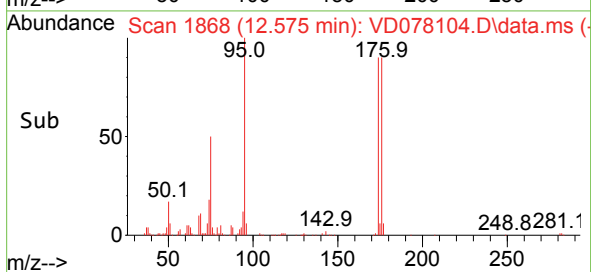
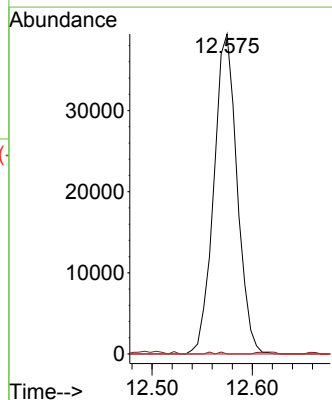
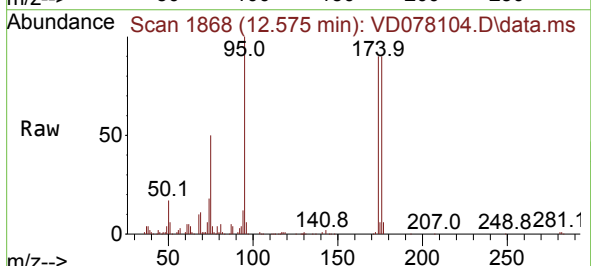
Tgt Ion: 75 Resp: 63572

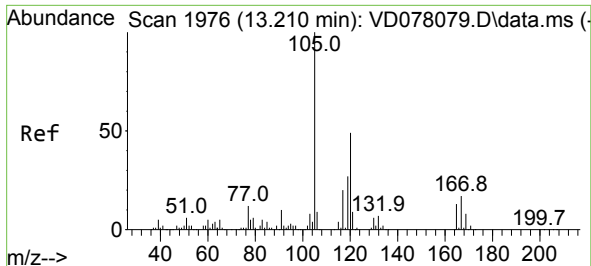
Ion Ratio Lower Upper

75 100

53 0.3 63.0 94.4#

89 0.0 37.9 56.9#

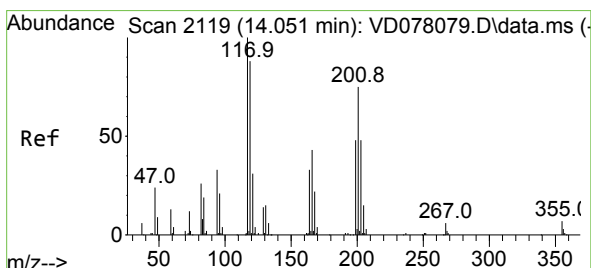
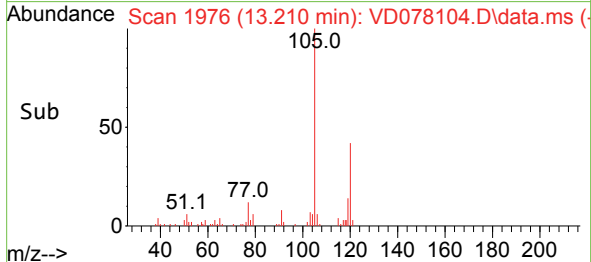
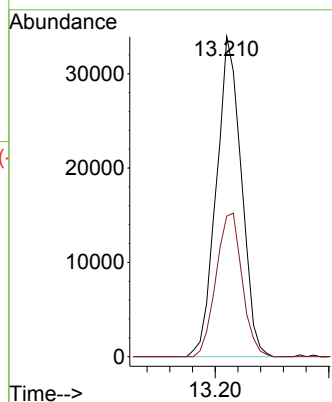
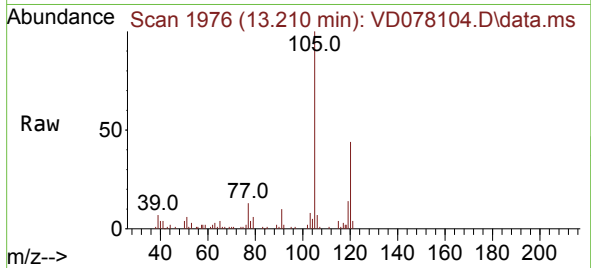




#84
1,2,4-Trimethylbenzene
Concen: 5.831 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD078104.D
Acq: 29 Dec 2023 13:21

Instrument :
MSVOA_D
ClientSampleId :
EMS-38-WC-1

Tgt Ion:105 Resp: 51944
Ion Ratio Lower Upper
105 100
120 46.7 24.3 72.9



#90
Hexachloroethane
Concen: 1.206 ug/l
RT: 14.063 min Scan# 2121
Delta R.T. 0.012 min
Lab File: VD078104.D
Acq: 29 Dec 2023 13:21

Tgt Ion:117 Resp: 2413
Ion Ratio Lower Upper
117 100
201 0.0 38.5 115.5#

