

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122923\
 Data File : VD078106.D
 Acq On : 29 Dec 2023 14:15
 Operator : RP/MD
 Sample : 06039-03
 Misc : 7.46G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EC48-EAST

Quant Time: Dec 29 22:35:11 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)

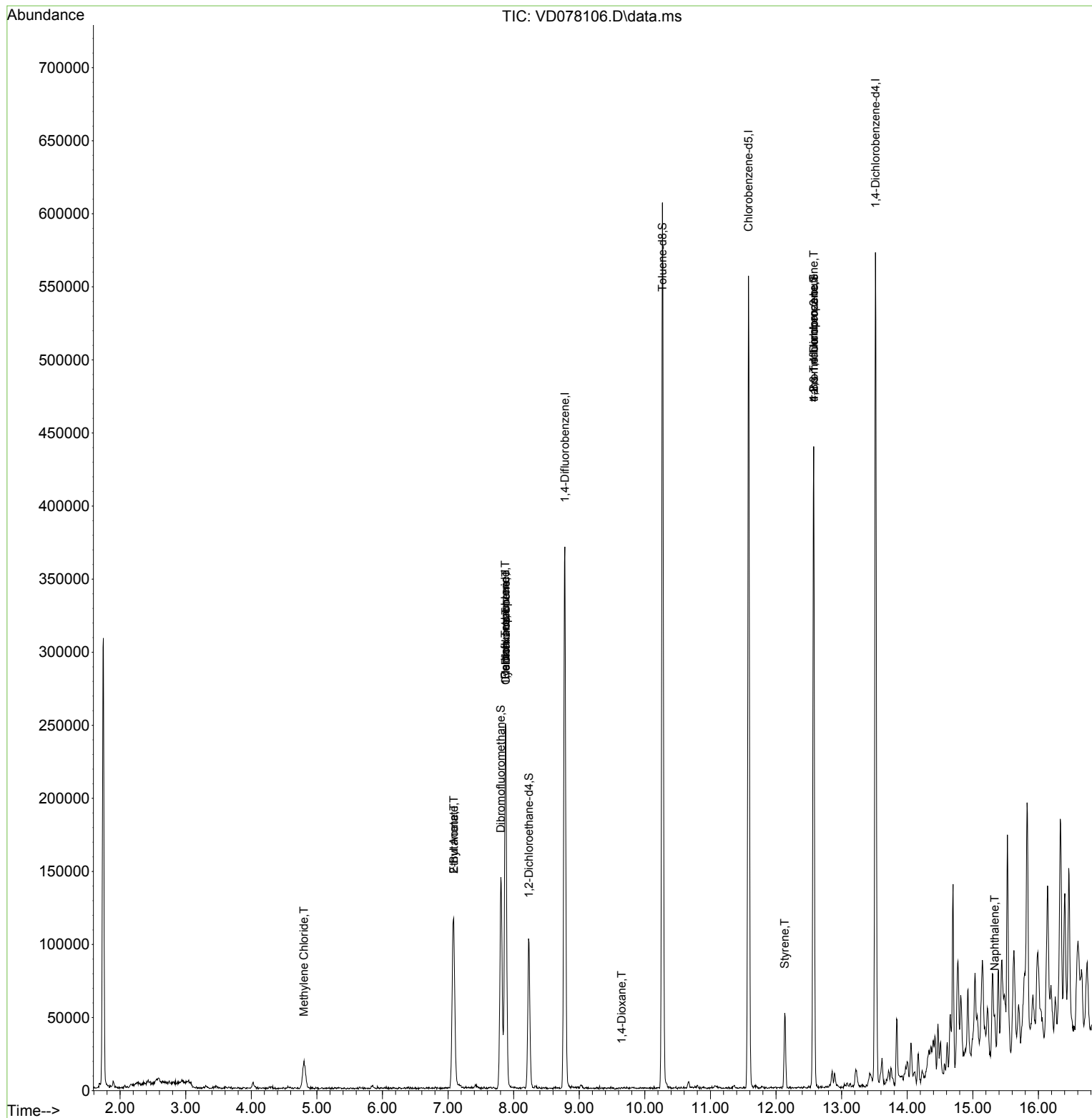
Internal Standards						
1) Pentafluorobenzene	7.875	168	199416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	343920	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	330966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	159695	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	77381	43.611	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.220%
35) Dibromofluoromethane	7.804	113	105616	47.728	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.460%
50) Toluene-d8	10.269	98	422767	54.295	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	108.600%
62) 4-Bromofluorobenzene	12.575	95	127370	50.839	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.680%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.081	59	125	Below Cal	#	73
16) Acetone	4.028	43	5401	Below Cal	#	67
20) Methylene Chloride	4.805	84	15374	4.152	ug/l #	80
25) 2-Butanone	7.087	43	192941	419.137	ug/l	89
31) Cyclohexane	7.881	56	3731	1.318	ug/l #	19
36) 1,1-Dichloropropene	7.881	75	13987	4.492	ug/l #	48
37) Ethyl Acetate	7.087	43	192941	186.316	ug/l #	63
38) Carbon Tetrachloride	7.875	117	18969	5.622	ug/l #	14
49) 1,4-Dioxane	9.646	88	57	4.734	ug/l #	33
70) Styrene	12.134	104	26552	4.045	ug/l	93
76) 1,2,3-Trichloropropane	12.575	75	66616	49.444	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	66616	106.541	ug/l #	17
95) Naphthalene	15.333	128	10598	2.005	ug/l	98

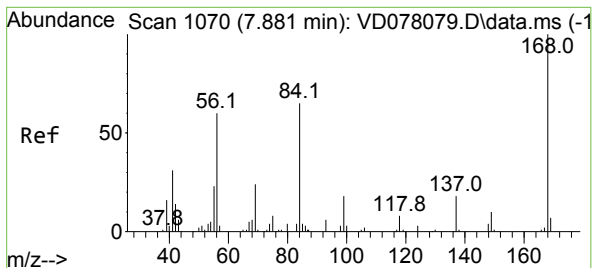
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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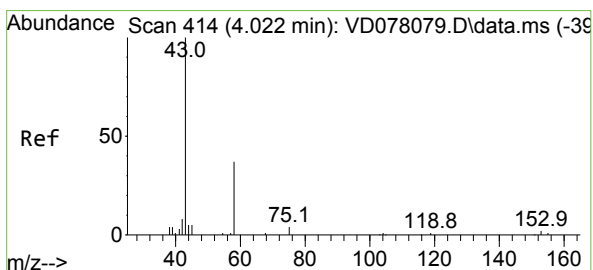
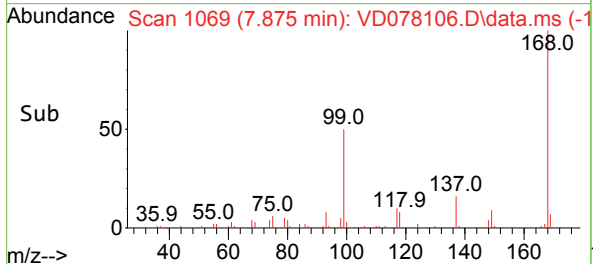
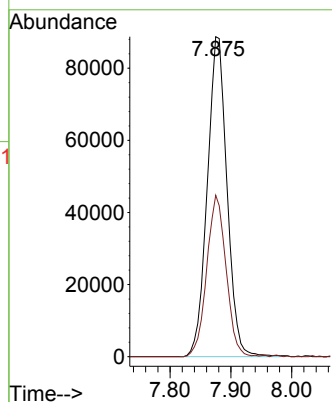
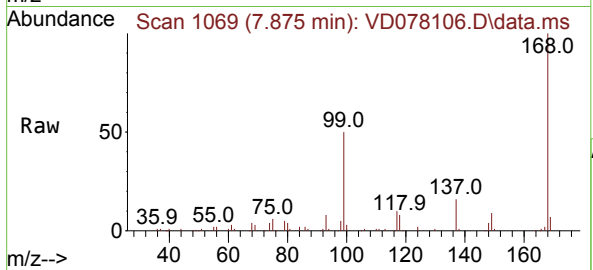




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD078106.D
Acq: 29 Dec 2023 14:15

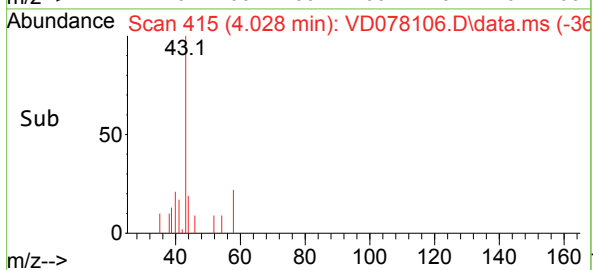
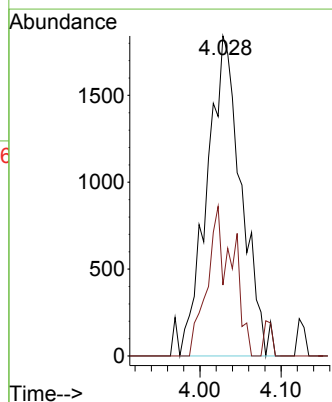
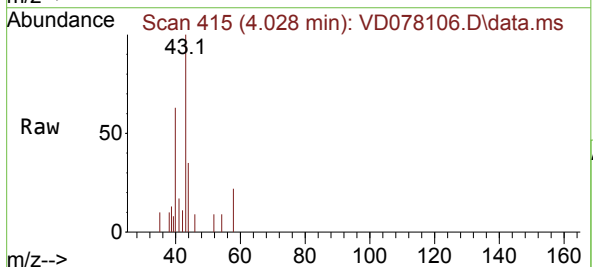
Instrument :
MSVOA_D
ClientSampleId :
EC48-EAST

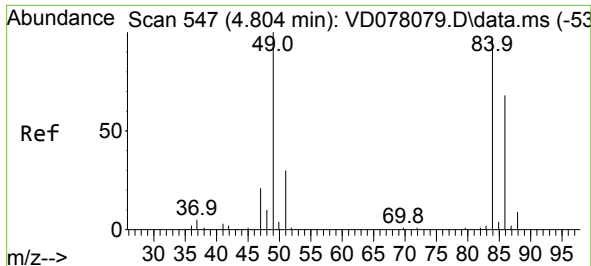
Tgt Ion:168 Resp: 199416
Ion Ratio Lower Upper
168 100
99 50.4 36.7 55.1



#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD078106.D
Acq: 29 Dec 2023 14:15

Tgt Ion: 43 Resp: 5401
Ion Ratio Lower Upper
43 100
58 22.1 34.7 52.1#

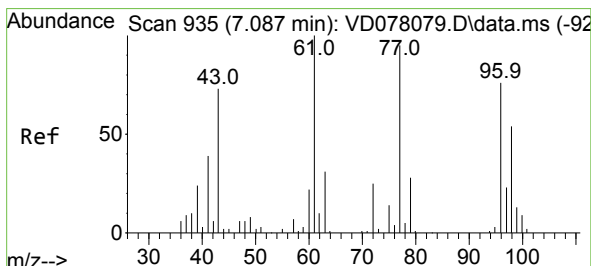
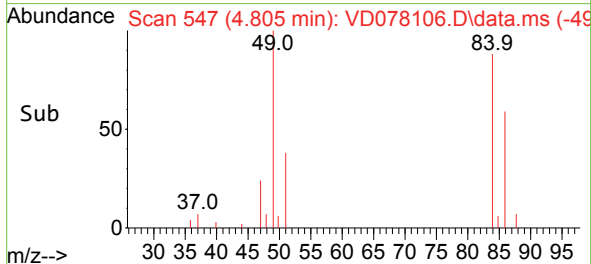
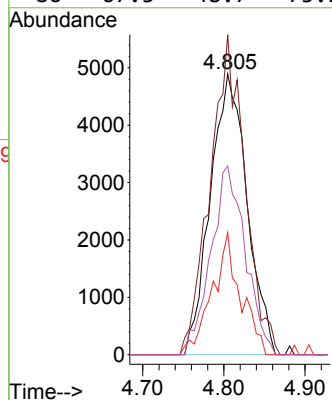
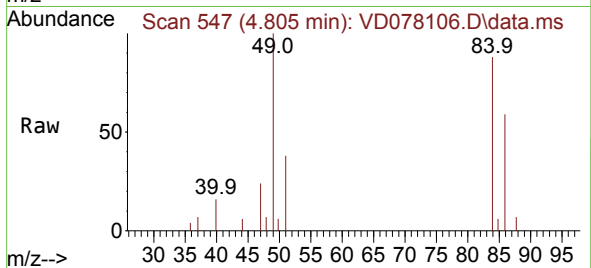




#20
Methylene Chloride
Concen: 4.152 ug/l
RT: 4.805 min Scan# 54
Delta R.T. 0.001 min
Lab File: VD078106.D
Acq: 29 Dec 2023 14:15

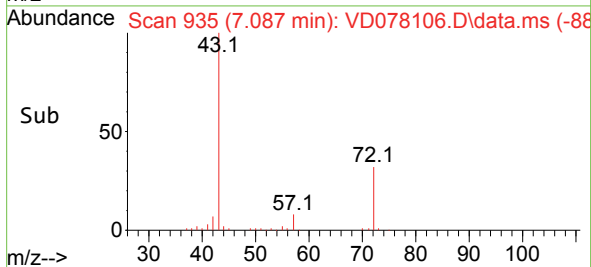
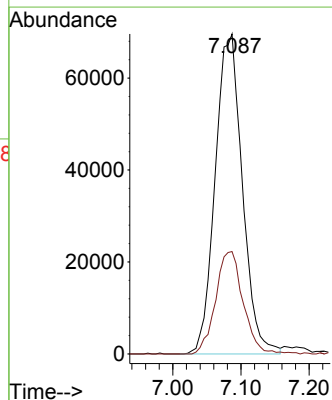
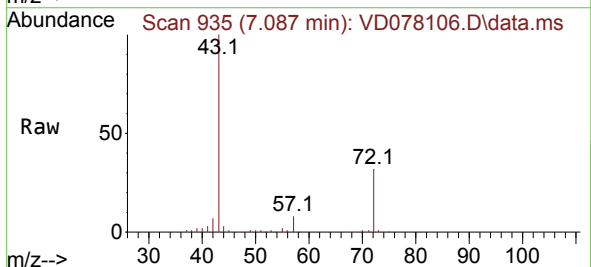
Instrument :
MSVOA_D
ClientSampleId :
EC48-EAST

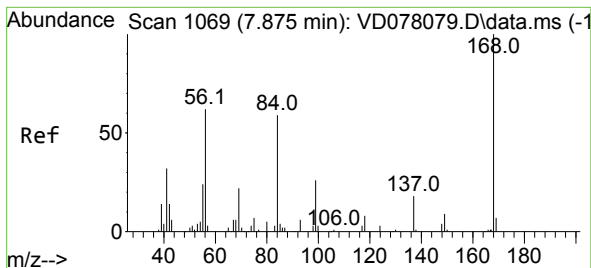
Tgt Ion:	84	Resp:	15374
Ion	Ratio	Lower	Upper
84	100		
49	114.0	71.4	107.2#
51	43.5	24.5	36.7#
86	67.3	48.7	73.1



#25
2-Butanone
Concen: 419.137 ug/l
RT: 7.087 min Scan# 935
Delta R.T. -0.000 min
Lab File: VD078106.D
Acq: 29 Dec 2023 14:15

Tgt Ion:	43	Resp:	192941
Ion	Ratio	Lower	Upper
43	100		
72	32.0	30.7	46.1





#31

Cyclohexane

Concen: 1.318 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VD078106.D

Acq: 29 Dec 2023 14:15

Instrument :

MSVOA_D

ClientSampleId :

EC48-EAST

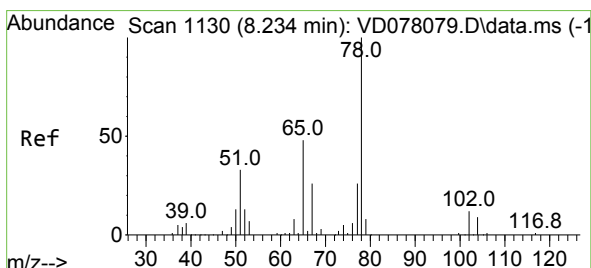
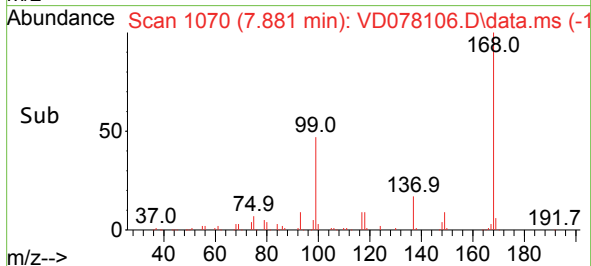
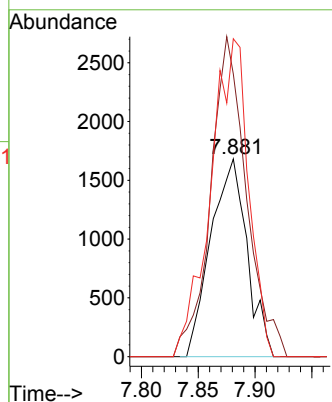
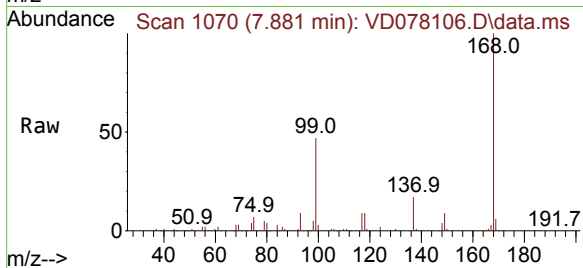
Tgt Ion: 56 Resp: 3731

Ion Ratio Lower Upper

56 100

69 132.9 28.6 43.0#

84 160.8 84.8 127.2#



#33

1,2-Dichloroethane-d4

Concen: 43.611 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD078106.D

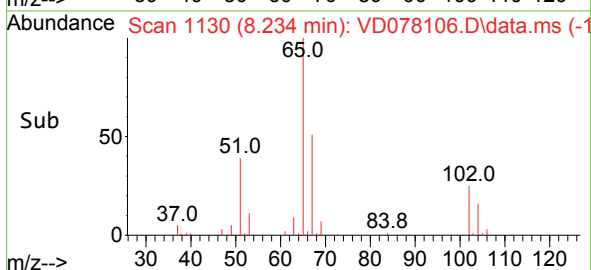
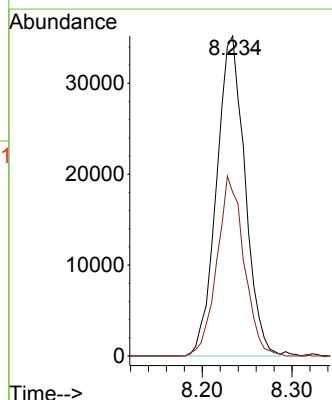
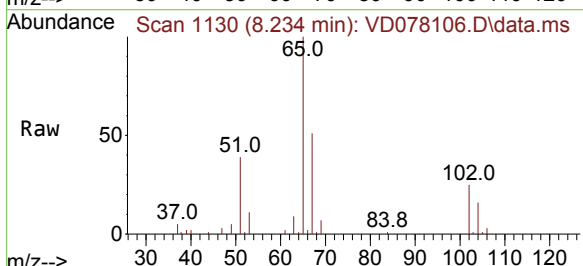
Acq: 29 Dec 2023 14:15

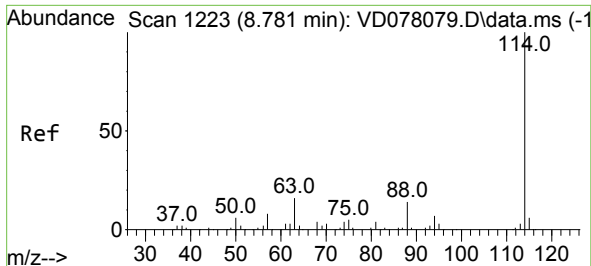
Tgt Ion: 65 Resp: 77381

Ion Ratio Lower Upper

65 100

67 53.7 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD078106.D

Acq: 29 Dec 2023 14:15

Instrument :

MSVOA_D

ClientSampleId :

EC48-EAST

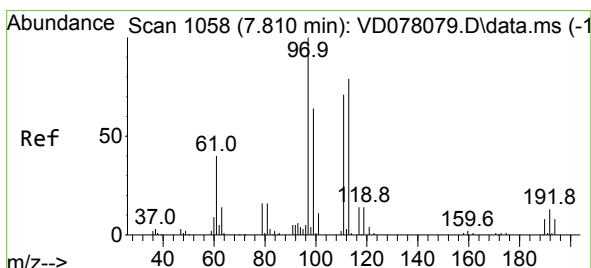
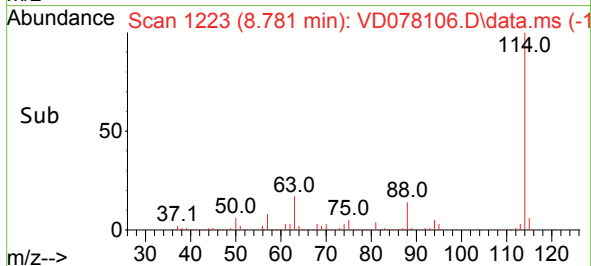
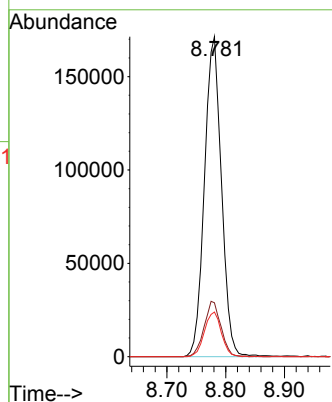
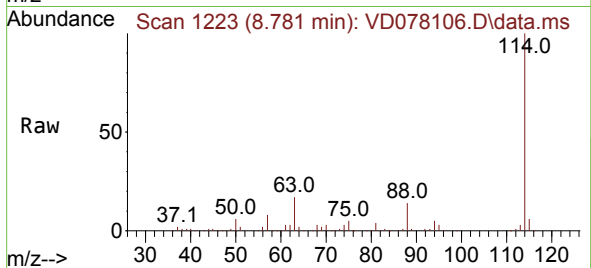
Tgt Ion:114 Resp: 343920

Ion Ratio Lower Upper

114 100

63 16.9 0.0 33.4

88 14.0 0.0 26.2



#35

Dibromofluoromethane

Concen: 47.728 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD078106.D

Acq: 29 Dec 2023 14:15

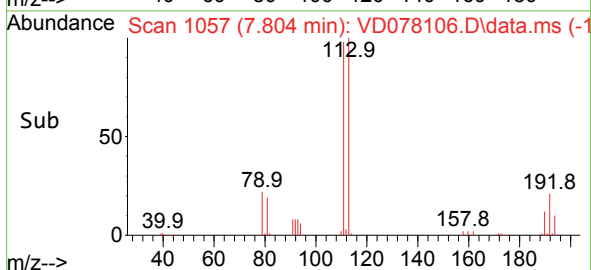
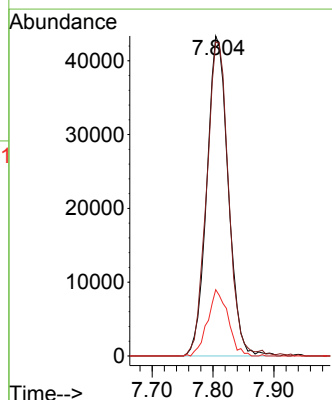
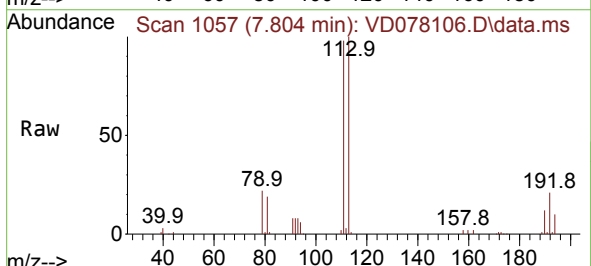
Tgt Ion:113 Resp: 105616

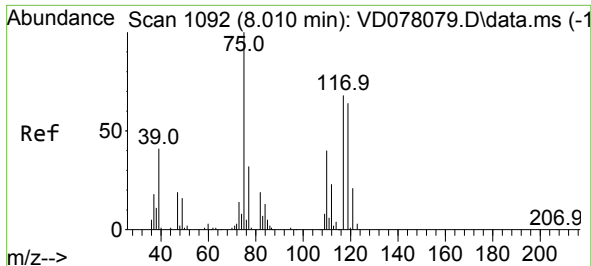
Ion Ratio Lower Upper

113 100

111 100.8 84.7 127.1

192 19.9 16.8 25.2

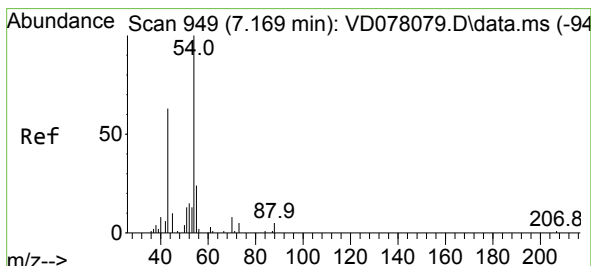
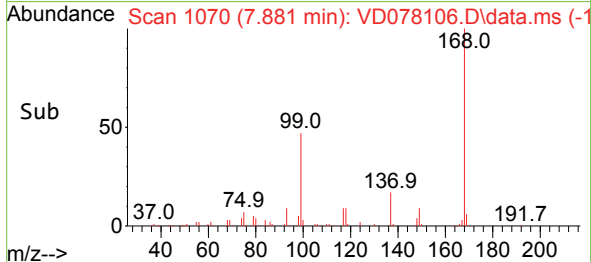
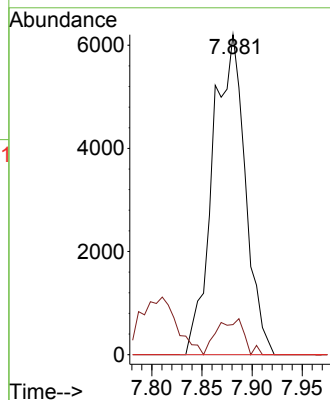
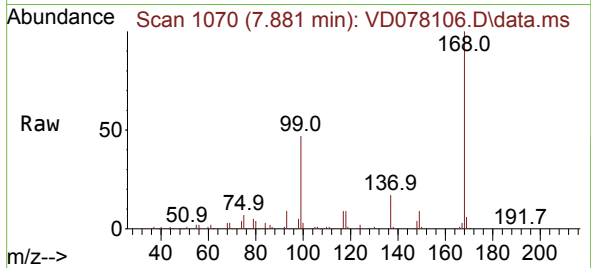




#36
1,1-Dichloropropene
Concen: 4.492 ug/l
RT: 7.881 min Scan# 1092
Delta R.T. -0.129 min
Lab File: VD078106.D
Acq: 29 Dec 2023 14:15

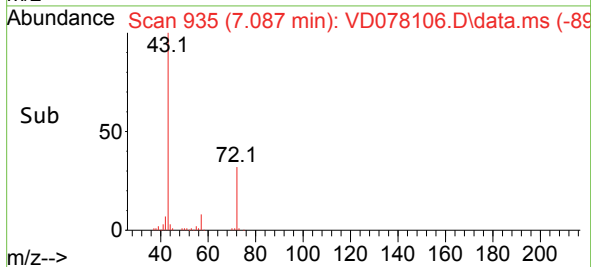
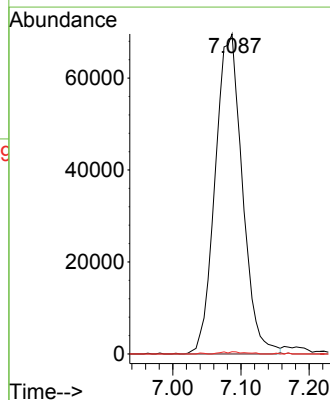
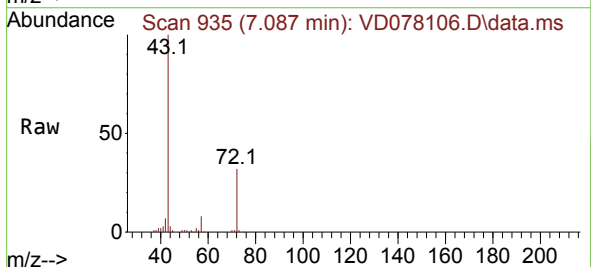
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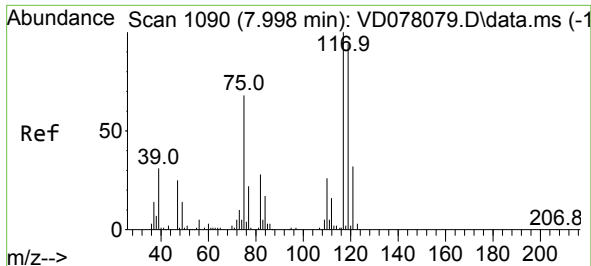
Tgt Ion: 75 Resp: 13987
Ion Ratio Lower Upper
75 100
110 9.4 19.9 59.6#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 186.316 ug/l
RT: 7.087 min Scan# 935
Delta R.T. -0.082 min
Lab File: VD078106.D
Acq: 29 Dec 2023 14:15

Tgt Ion: 43 Resp: 192941
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
70 0.4 10.0 15.0#

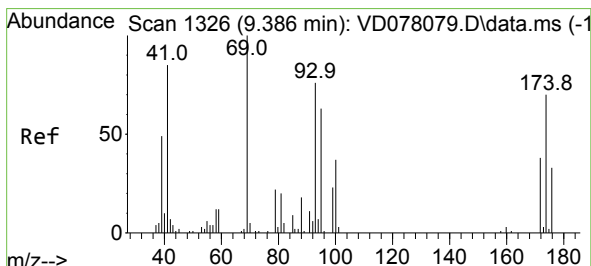
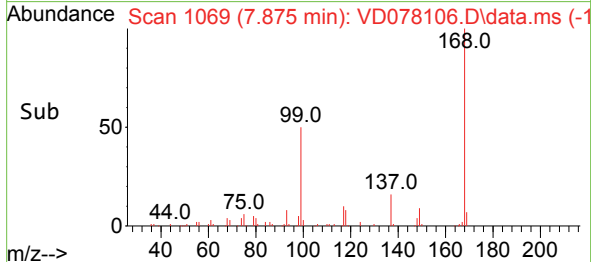
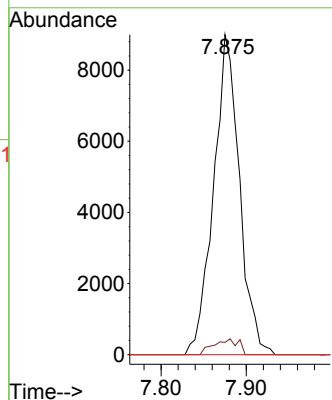
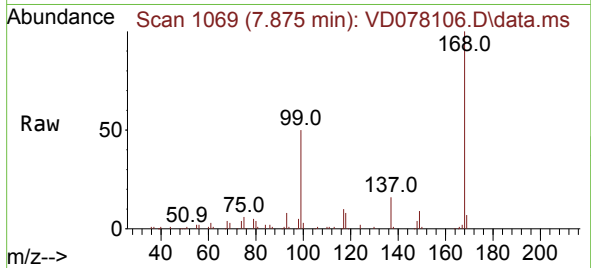




#38
Carbon Tetrachloride
Concen: 5.622 ug/l
RT: 7.875 min Scan# 1090
Delta R.T. -0.123 min
Lab File: VD078106.D
Acq: 29 Dec 2023 14:15

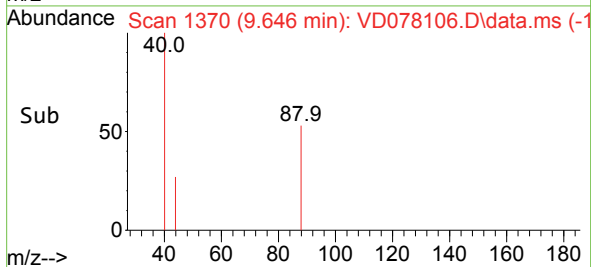
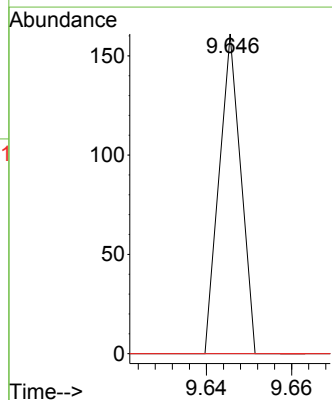
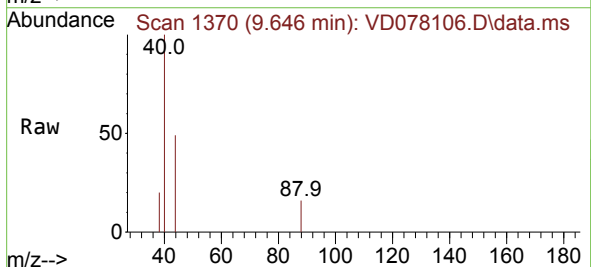
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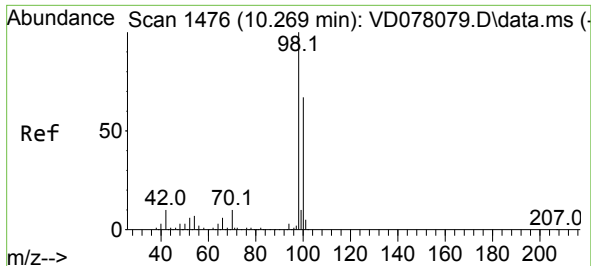
Tgt Ion:117 Resp: 18969
Ion Ratio Lower Upper
117 100
119 3.8 78.0 117.0#
121 0.0 24.2 36.2#



#49
1,4-Dioxane
Concen: 4.734 ug/l
RT: 9.646 min Scan# 1370
Delta R.T. 0.259 min
Lab File: VD078106.D
Acq: 29 Dec 2023 14:15

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 0.0 19.0 28.6#
58 0.0 43.5 65.3#

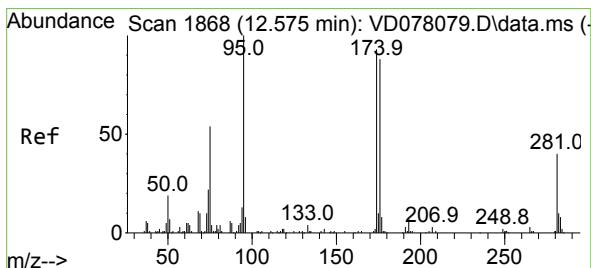
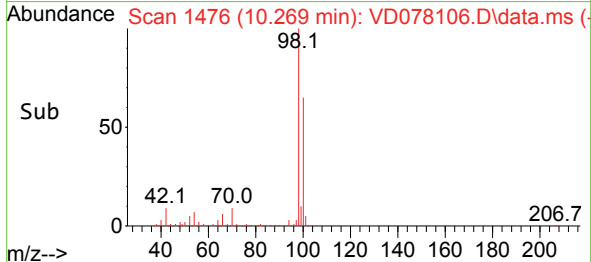
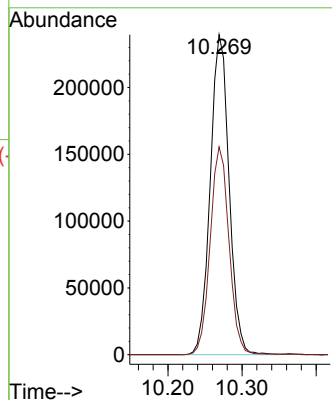
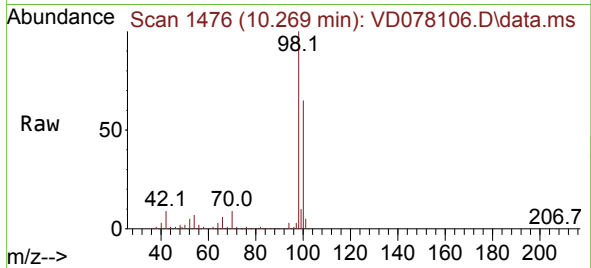




#50
Toluene-d8
Concen: 54.295 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078106.D
Acq: 29 Dec 2023 14:15

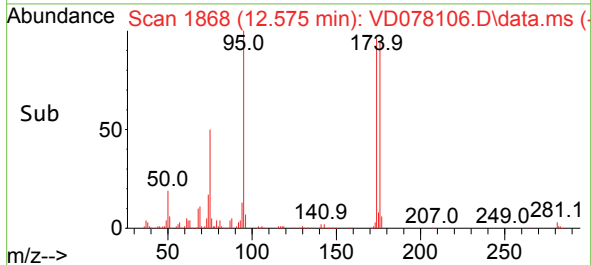
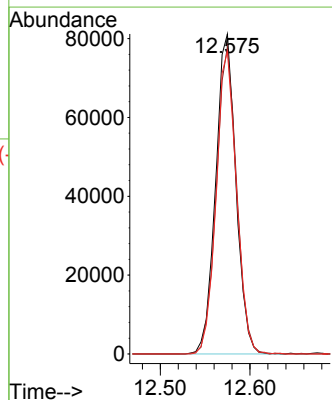
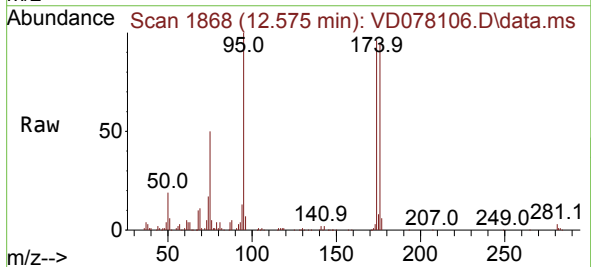
Instrument :
MSVOA_D
ClientSampleId :
EC48-EAST

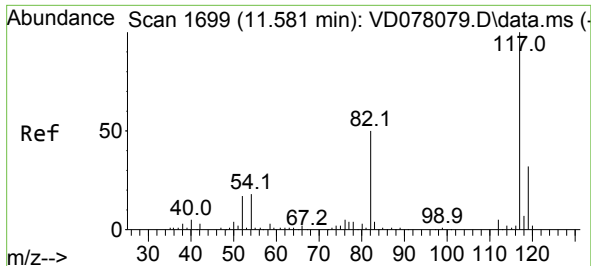
Tgt Ion: 98 Resp: 422767
Ion Ratio Lower Upper
98 100
100 64.9 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 50.839 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078106.D
Acq: 29 Dec 2023 14:15

Tgt Ion: 95 Resp: 127370
Ion Ratio Lower Upper
95 100
174 96.3 0.0 201.8
176 94.5 0.0 191.8

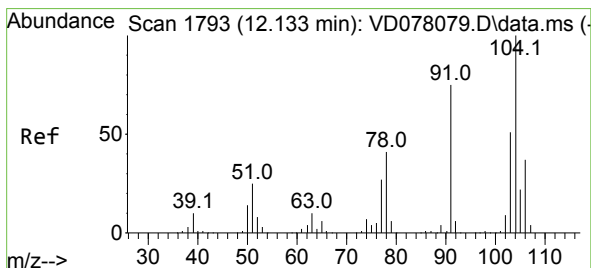
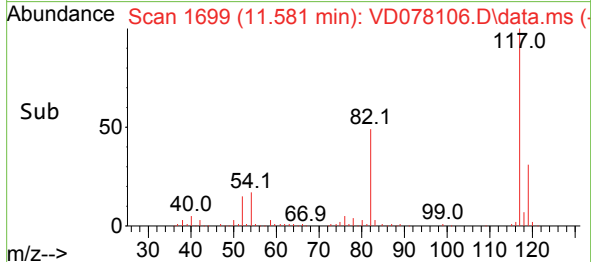
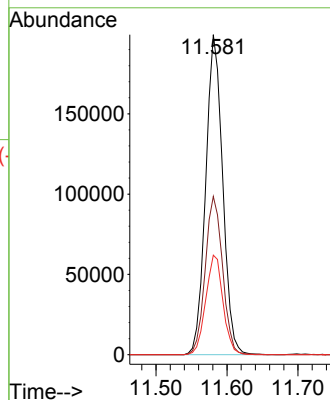
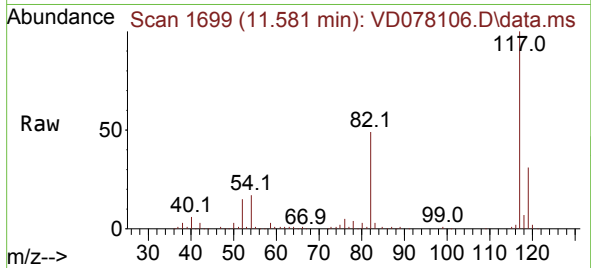




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VD078106.D
Acq: 29 Dec 2023 14:15

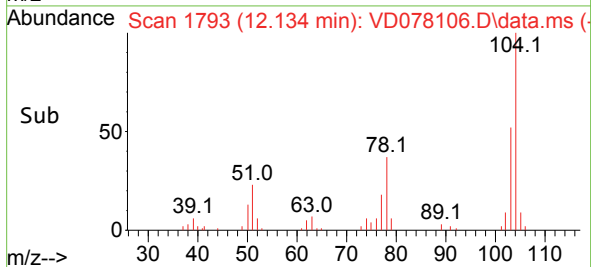
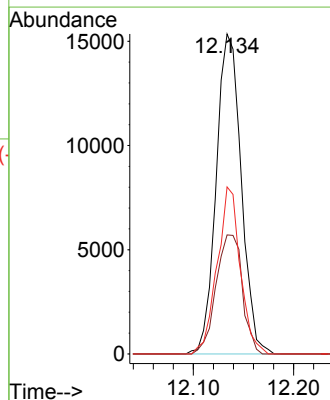
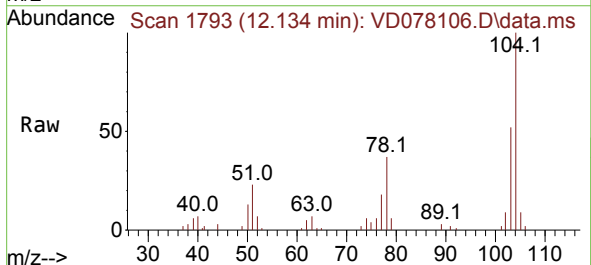
Instrument :
MSVOA_D
ClientSampleId :
EC48-EAST

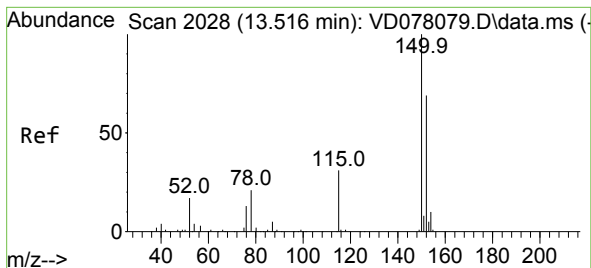
Tgt Ion:117 Resp: 330966
Ion Ratio Lower Upper
117 100
82 49.5 38.3 57.5
119 31.1 25.0 37.4



#70
Styrene
Concen: 4.045 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD078106.D
Acq: 29 Dec 2023 14:15

Tgt Ion:104 Resp: 26552
Ion Ratio Lower Upper
104 100
78 39.1 33.2 49.8
103 48.3 43.6 65.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD078106.D

Acq: 29 Dec 2023 14:15

Instrument :

MSVOA_D

ClientSampleId :

EC48-EAST

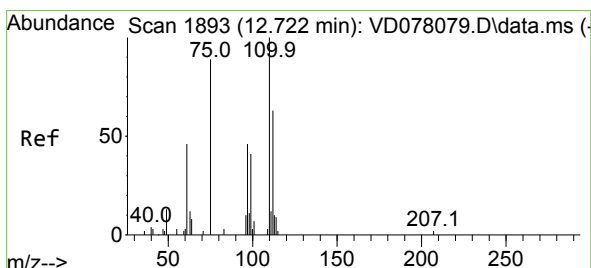
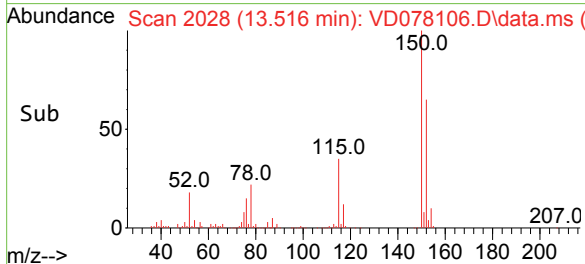
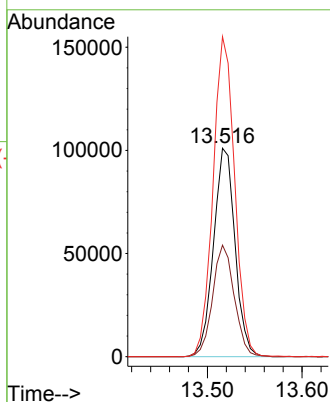
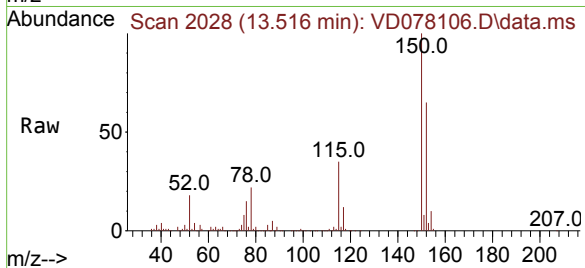
Tgt Ion:152 Resp: 159695

Ion Ratio Lower Upper

152 100

115 53.9 27.1 81.3

150 154.1 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 49.444 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078106.D

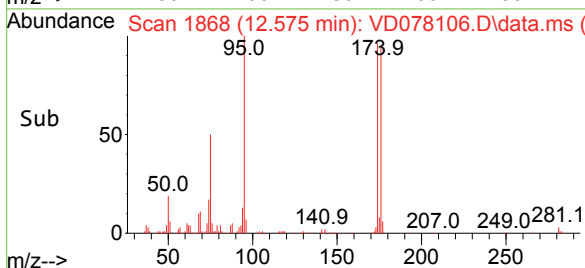
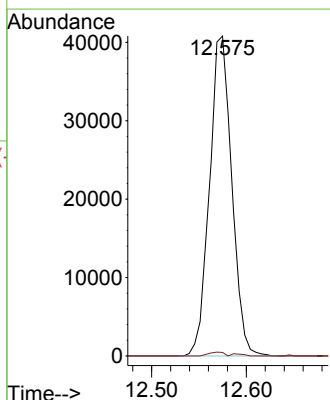
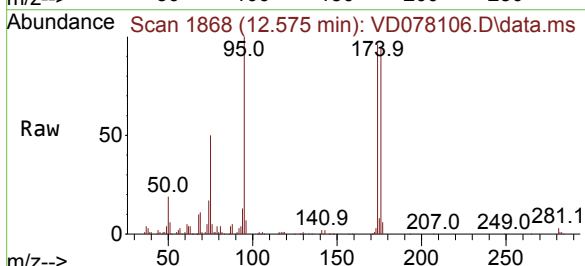
Acq: 29 Dec 2023 14:15

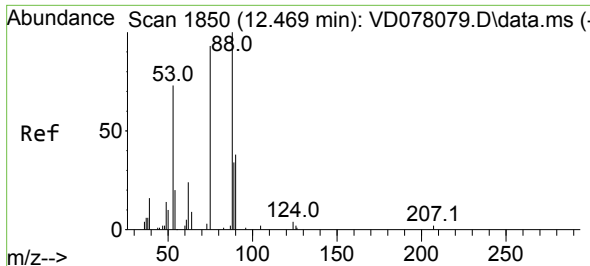
Tgt Ion: 75 Resp: 66616

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#

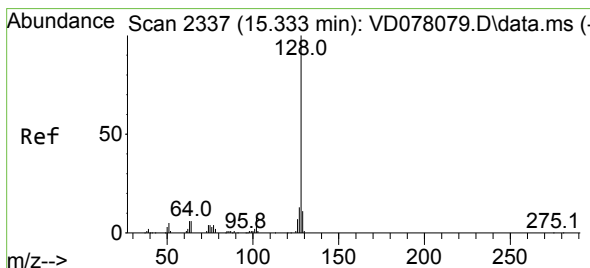
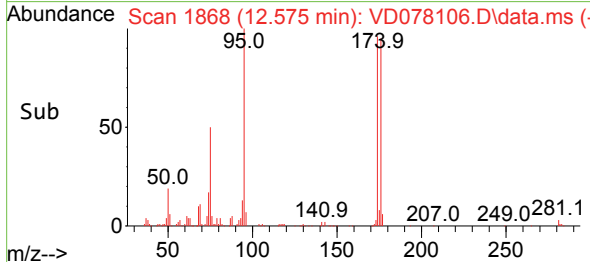
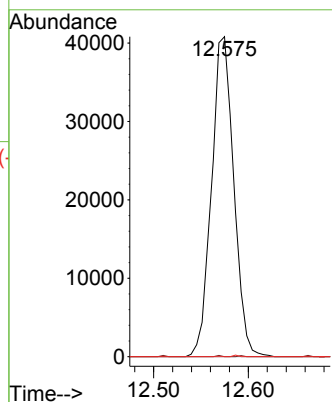
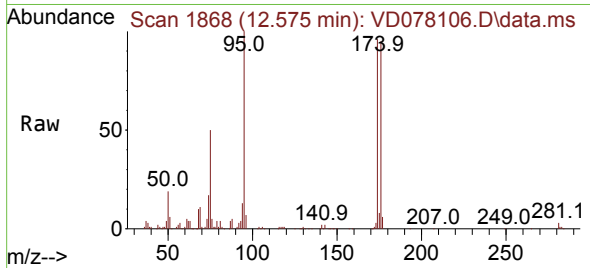




#81
trans-1,4-Dichloro-2-butene
Concen: 106.541 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078106.D
Acq: 29 Dec 2023 14:15

Instrument :
MSVOA_D
ClientSampleId :
EC48-EAST

Tgt Ion: 75 Resp: 66616
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 2.005 ug/l
RT: 15.333 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD078106.D
Acq: 29 Dec 2023 14:15

Tgt Ion:128 Resp: 10598
Ion Ratio Lower Upper
128 100
127 13.7 10.5 15.7
129 9.9 8.7 13.1

