

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122923\
 Data File : VD078107.D
 Acq On : 29 Dec 2023 14:42
 Operator : RP/MD
 Sample : 06039-04
 Misc : 5.14G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EC48-WEST

Quant Time: Dec 29 22:35:32 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)

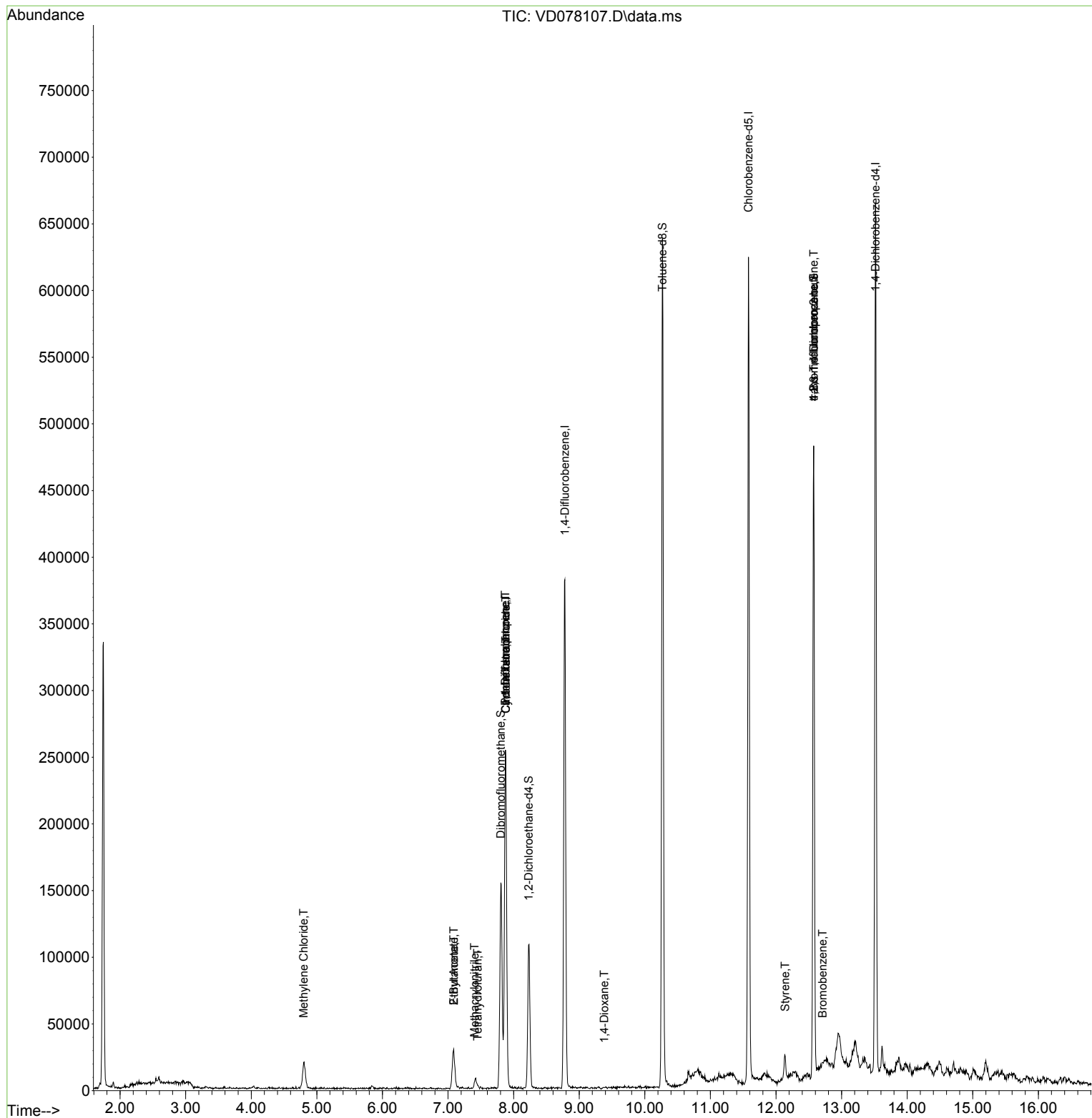
Internal Standards						
1) Pentafluorobenzene	7.875	168	210688	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	359192	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	372435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	185536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	85569	45.645	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.300%
35) Dibromofluoromethane	7.805	113	111050	48.050	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.100%
50) Toluene-d8	10.269	98	456162	56.093	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	112.180%
62) 4-Bromofluorobenzene	12.575	95	145608	55.648	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	111.300%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.064	59	71	Below Cal	#	1
16) Acetone	4.034	43	2218	Below Cal	#	67
20) Methylene Chloride	4.799	84	16170	4.118	ug/l	95
25) 2-Butanone	7.087	43	47891	88.380	ug/l #	84
29) Tetrahydrofuran	7.452	42	346	1.192	ug/l #	51
31) Cyclohexane	7.881	56	4170	1.394	ug/l #	49
36) 1,1-Dichloropropene	7.875	75	14934	4.592	ug/l #	47
37) Ethyl Acetate	7.087	43	47891	44.280	ug/l #	63
38) Carbon Tetrachloride	7.881	117	20006	5.678	ug/l #	16
41) Methacrylonitrile	7.405	41	753	1.100	ug/l #	27
49) 1,4-Dioxane	9.381	88	57	4.533	ug/l #	1
70) Styrene	12.140	104	8858	1.199	ug/l	98
76) 1,2,3-Trichloropropane	12.575	75	73823	47.162	ug/l #	100
77) Bromobenzene	12.710	156	5095	1.639	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	73823	101.624	ug/l #	17

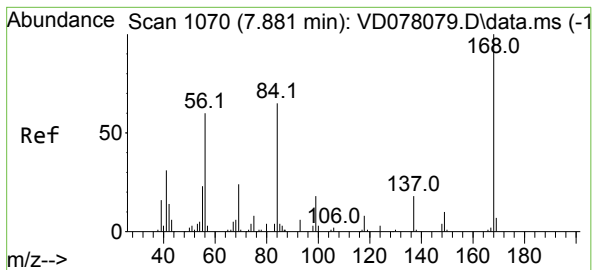
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

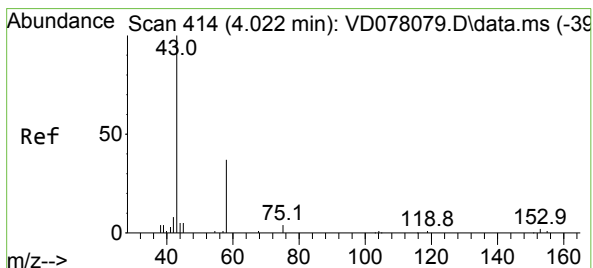
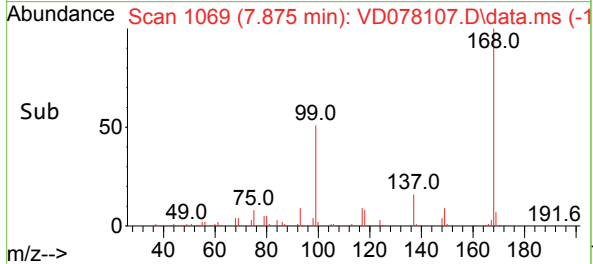
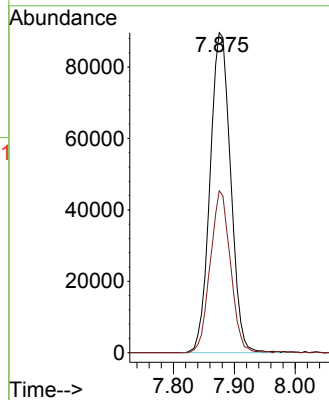
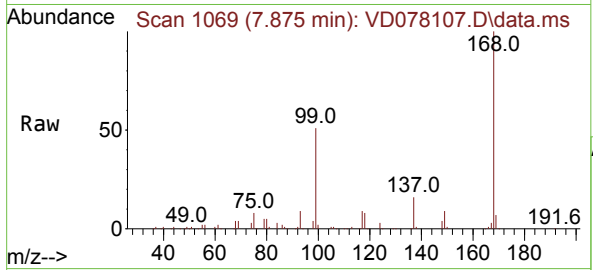




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078107.D
Acq: 29 Dec 2023 14:42

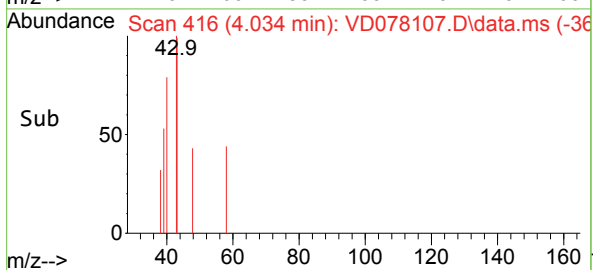
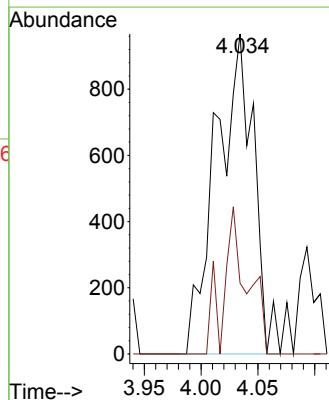
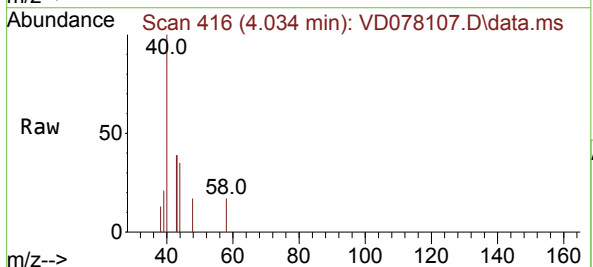
Instrument :
MSVOA_D
ClientSampleId :
EC48-WEST

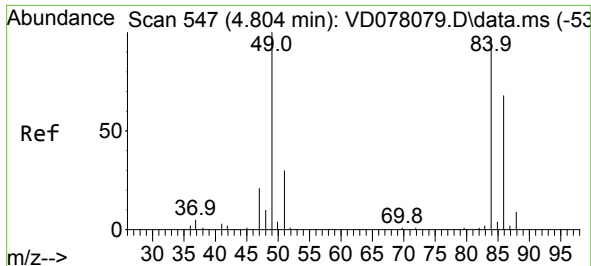
Tgt Ion:168 Resp: 210688
Ion Ratio Lower Upper
168 100
99 50.6 36.7 55.1



#16
Acetone
Concen: Below Cal
RT: 4.034 min Scan# 416
Delta R.T. 0.012 min
Lab File: VD078107.D
Acq: 29 Dec 2023 14:42

Tgt Ion: 43 Resp: 2218
Ion Ratio Lower Upper
43 100
58 22.1 34.7 52.1#



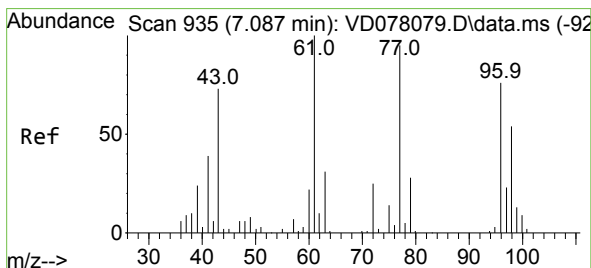
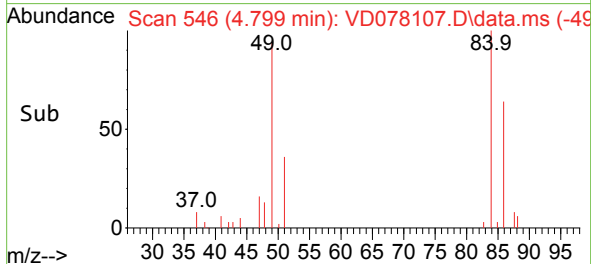
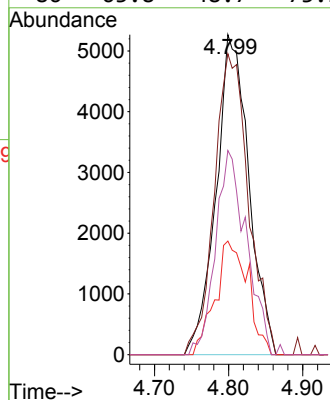
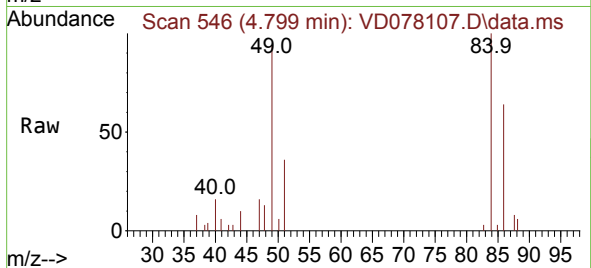


#20
Methylene Chloride
Concen: 4.118 ug/l
RT: 4.799 min Scan# 547
Delta R.T. -0.005 min
Lab File: VD078107.D
Acq: 29 Dec 2023 14:42

Instrument :
MSVOA_D
ClientSampleId :
EC48-WEST

Tgt Ion: 84 Resp: 16170

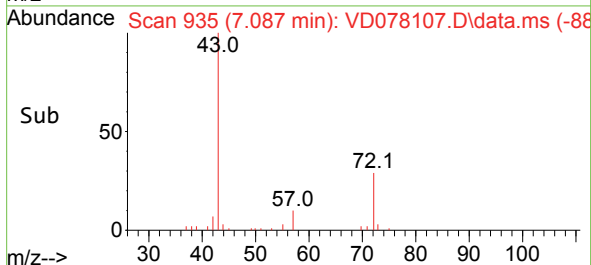
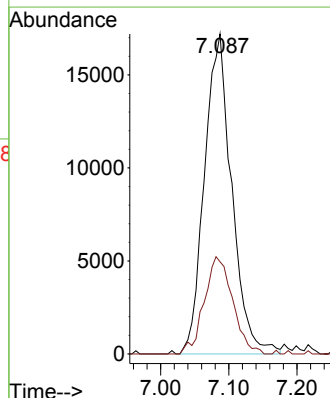
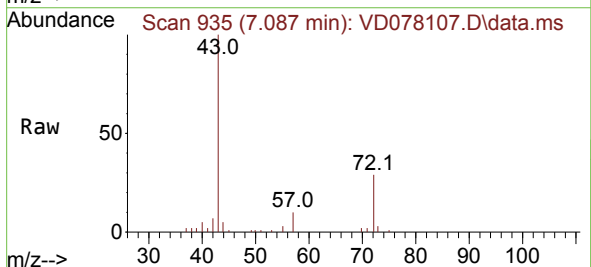
Ion	Ratio	Lower	Upper
84	100		
49	94.1	71.4	107.2
51	35.5	24.5	36.7
86	63.8	48.7	73.1

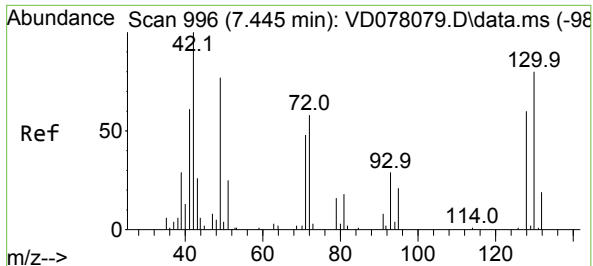


#25
2-Butanone
Concen: 88.380 ug/l
RT: 7.087 min Scan# 935
Delta R.T. 0.000 min
Lab File: VD078107.D
Acq: 29 Dec 2023 14:42

Tgt Ion: 43 Resp: 47891

Ion	Ratio	Lower	Upper
43	100		
72	28.8	30.7	46.1





#29

Tetrahydrofuran

Concen: 1.192 ug/l

RT: 7.452 min Scan# 996

Delta R.T. 0.006 min

Lab File: VD078107.D

Acq: 29 Dec 2023 14:42

Instrument :

MSVOA_D

ClientSampleId :

EC48-WEST

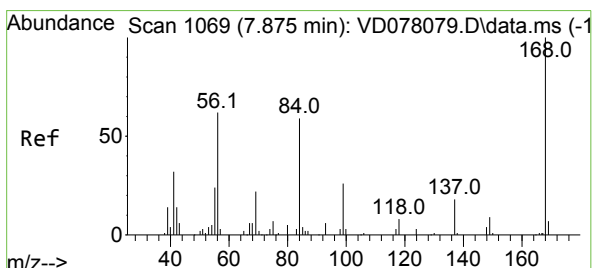
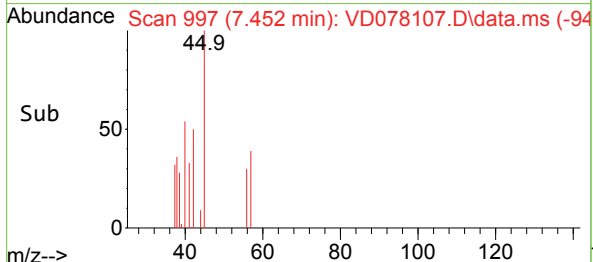
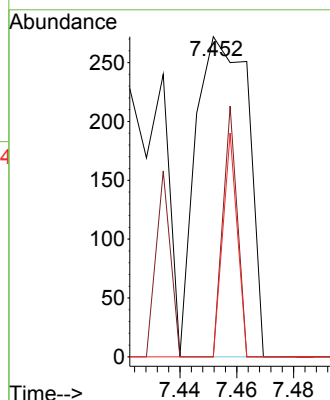
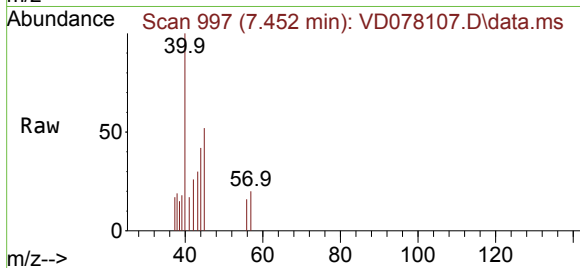
Tgt Ion: 42 Resp: 346

Ion Ratio Lower Upper

42 100

72 21.7 46.5 69.7#

71 19.4 44.5 66.7#



#31

Cyclohexane

Concen: 1.394 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD078107.D

Acq: 29 Dec 2023 14:42

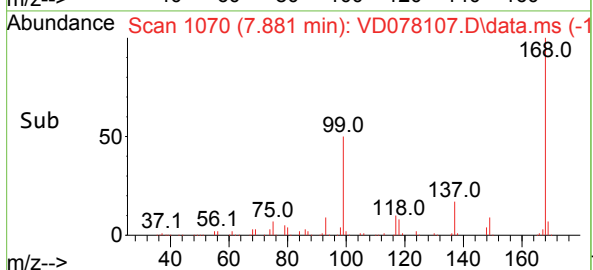
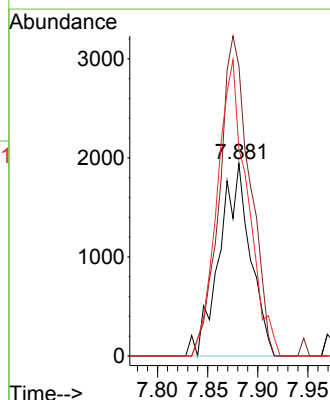
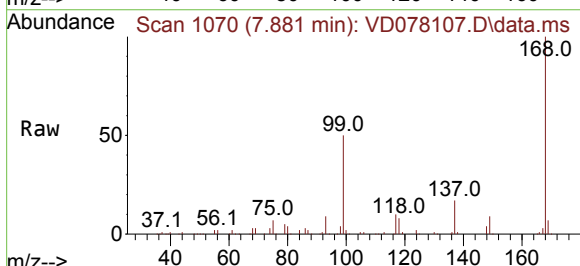
Tgt Ion: 56 Resp: 4170

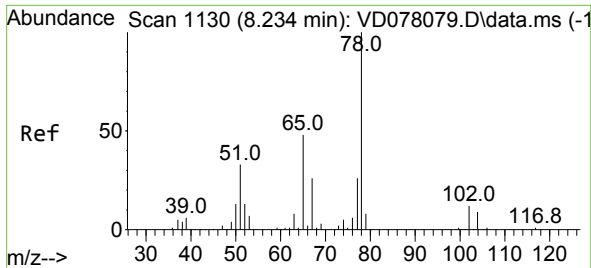
Ion Ratio Lower Upper

56 100

69 150.6 28.6 43.0#

84 107.6 84.8 127.2

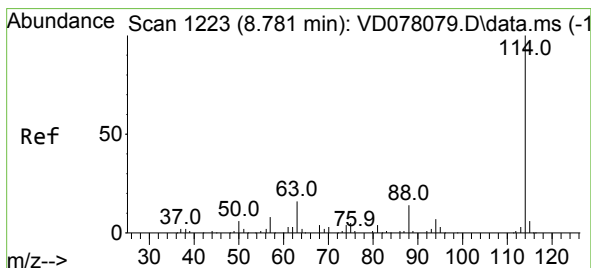
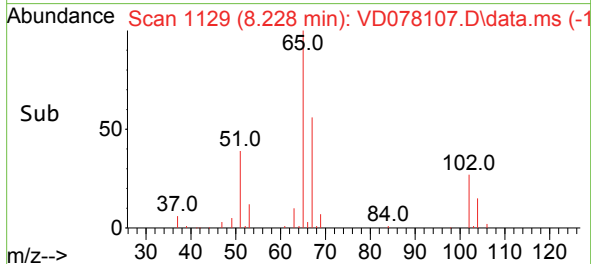
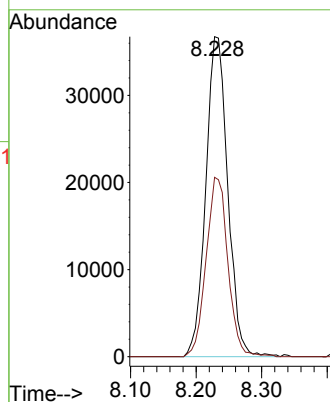
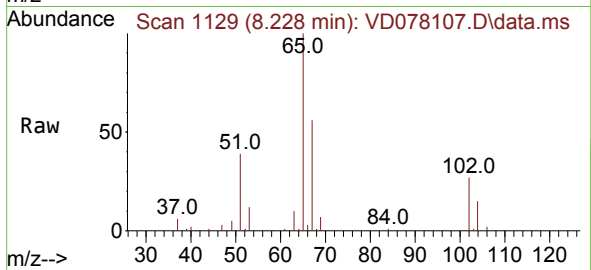




#33
 1,2-Dichloroethane-d4
 Concen: 45.645 ug/l
 RT: 8.228 min Scan# 1129
 Delta R.T. -0.005 min
 Lab File: VD078107.D
 Acq: 29 Dec 2023 14:42

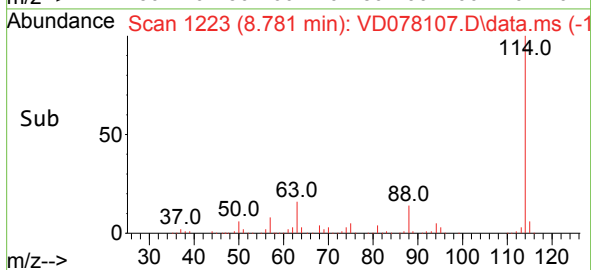
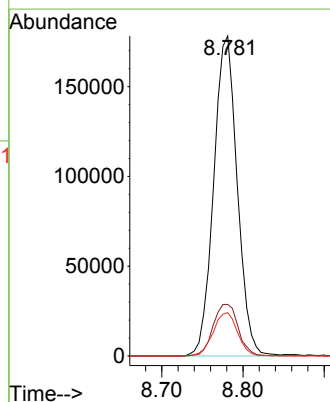
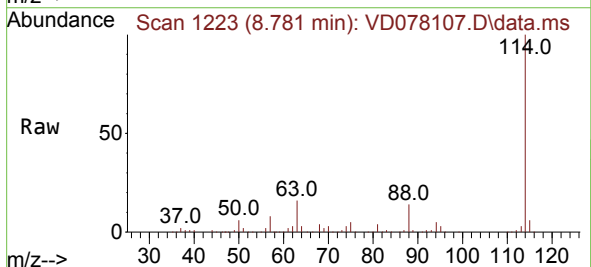
Instrument :
 MSVOA_D
 ClientSampleId :
 EC48-WEST

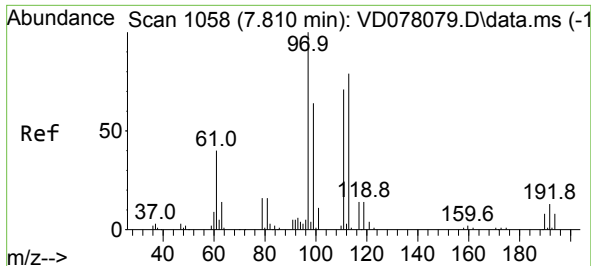
Tgt Ion: 65 Resp: 85569
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 115.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.781 min Scan# 1223
 Delta R.T. 0.000 min
 Lab File: VD078107.D
 Acq: 29 Dec 2023 14:42

Tgt Ion: 114 Resp: 359192
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 33.4
 88 13.5 0.0 26.2





#35

Dibromofluoromethane

Concen: 48.050 ug/l

RT: 7.805 min Scan# 11050

Delta R.T. -0.005 min

Lab File: VD078107.D

Acq: 29 Dec 2023 14:42

Instrument :

MSVOA_D

ClientSampleId :

EC48-WEST

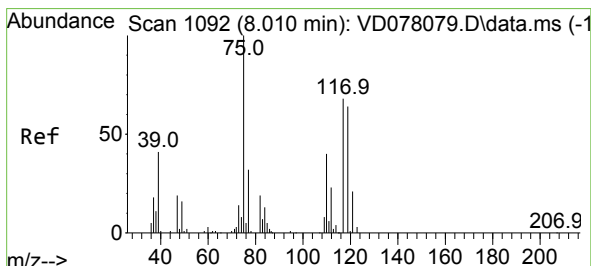
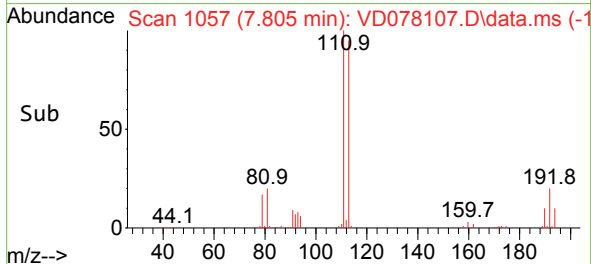
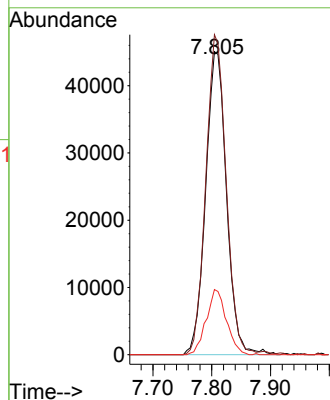
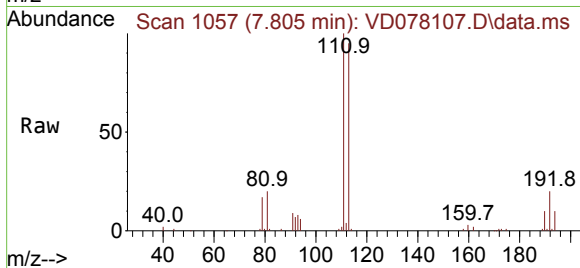
Tgt Ion:113 Resp: 111050

Ion Ratio Lower Upper

113 100

111 102.7 84.7 127.1

192 20.7 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.592 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078107.D

Acq: 29 Dec 2023 14:42

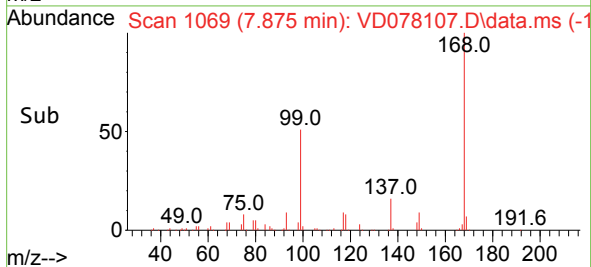
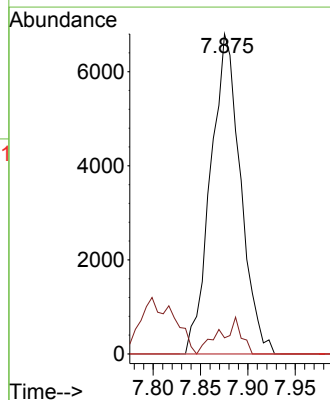
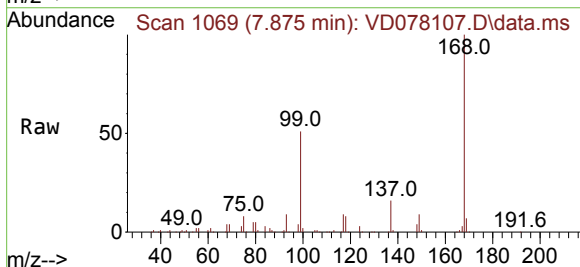
Tgt Ion: 75 Resp: 14934

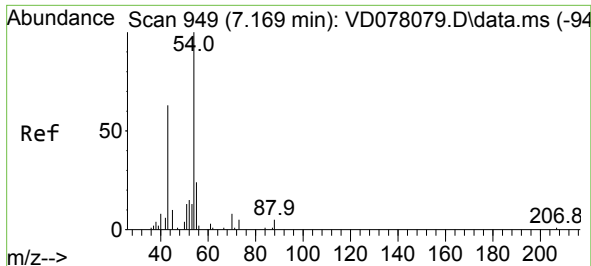
Ion Ratio Lower Upper

75 100

110 8.2 19.9 59.6#

77 0.0 24.7 37.1#

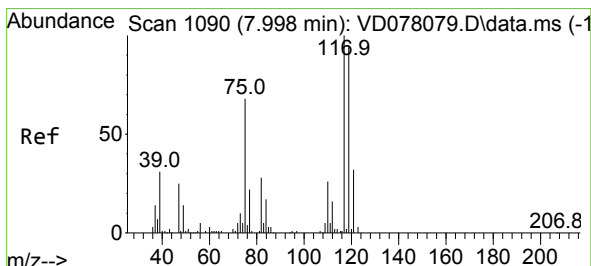
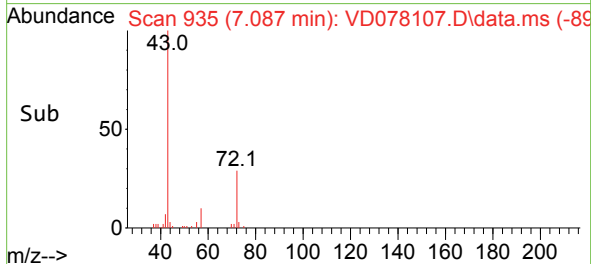
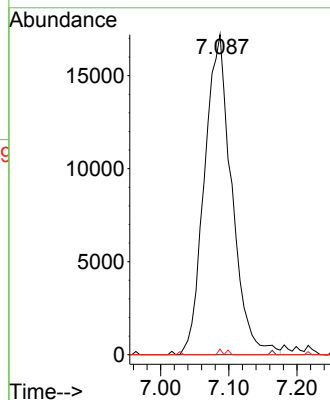
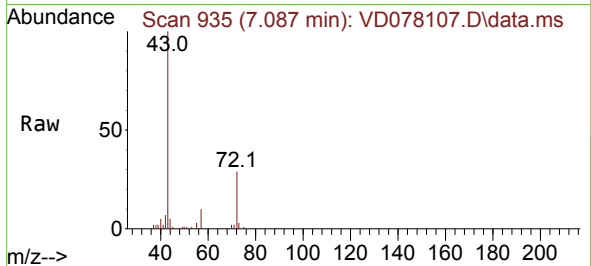




#37
Ethyl Acetate
Concen: 44.280 ug/l
RT: 7.087 min Scan# 91
Delta R.T. -0.082 min
Lab File: VD078107.D
Acq: 29 Dec 2023 14:42

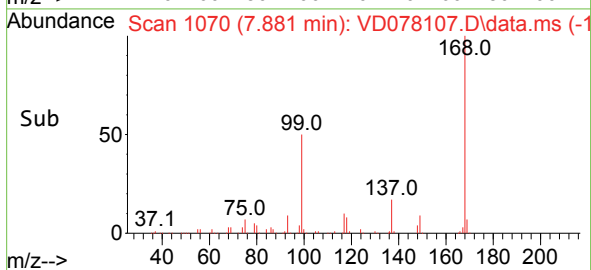
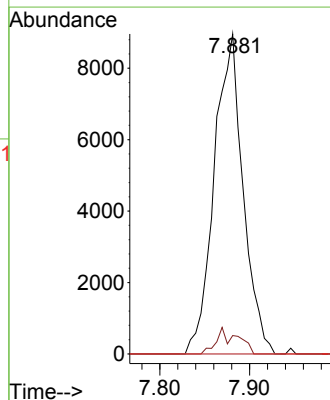
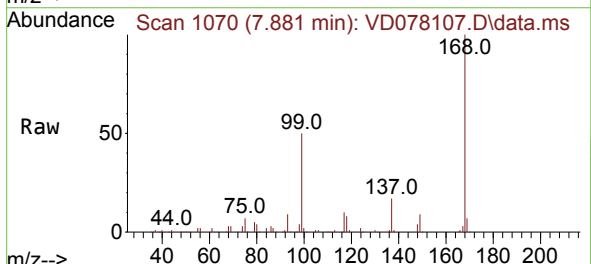
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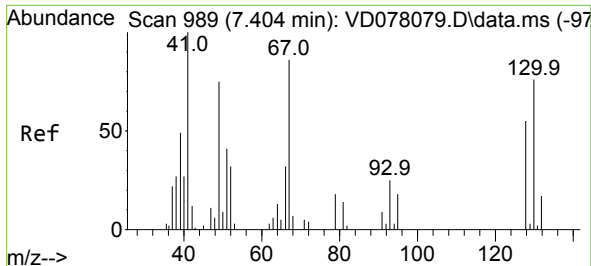
Tgt Ion: 43 Resp: 47891
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
70 0.4 10.0 15.0#



#38
Carbon Tetrachloride
Concen: 5.678 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.117 min
Lab File: VD078107.D
Acq: 29 Dec 2023 14:42

Tgt Ion: 117 Resp: 20006
Ion Ratio Lower Upper
117 100
119 5.7 78.0 117.0#
121 0.0 24.2 36.2#

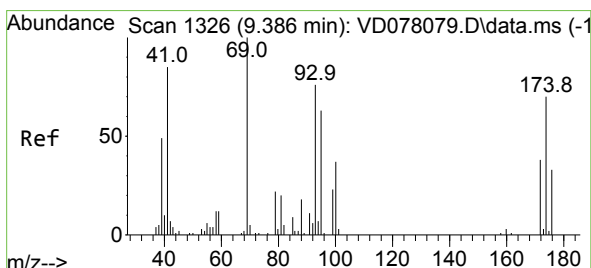
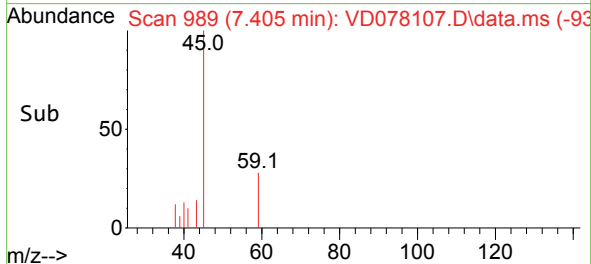
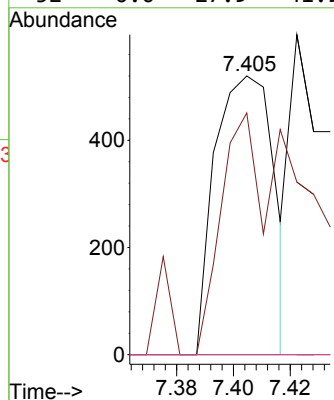
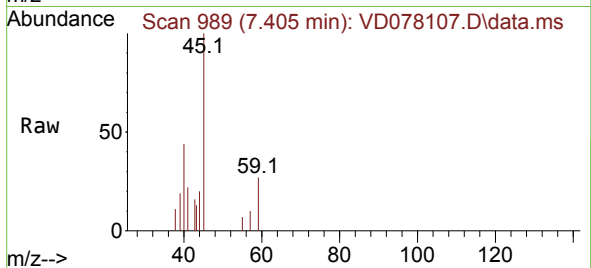




#41
Methacrylonitrile
Concen: 1.100 ug/l
RT: 7.405 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD078107.D
Acq: 29 Dec 2023 14:42

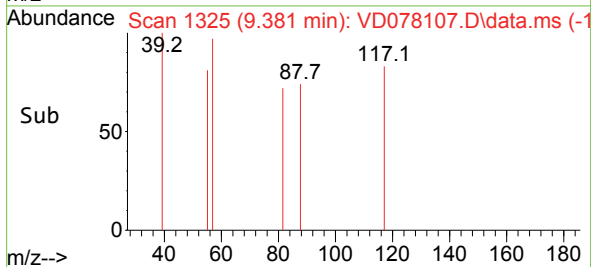
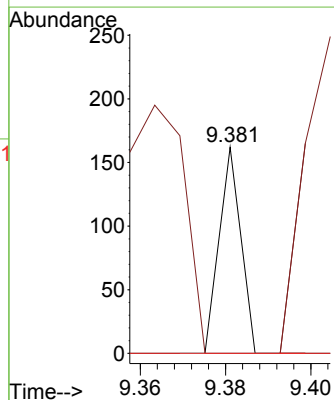
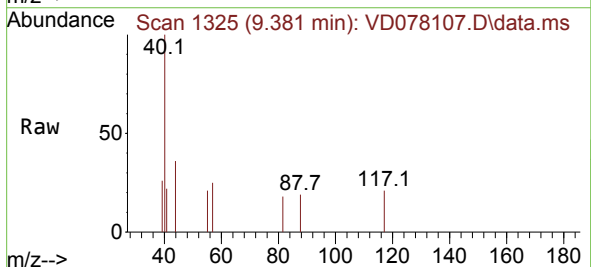
Instrument :
MSVOA_D
ClientSampleId :
EC48-WEST

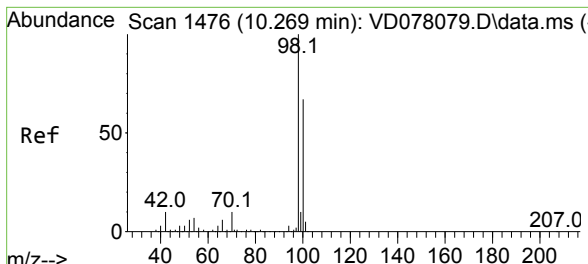
Tgt Ion: 41	Resp: 753
Ion Ratio	Lower Upper
41 100	
39 58.0	34.0 51.0#
67 0.0	77.0 115.4#
52 0.0	27.9 41.9#



#49
1,4-Dioxane
Concen: 4.533 ug/l
RT: 9.381 min Scan# 1325
Delta R.T. -0.005 min
Lab File: VD078107.D
Acq: 29 Dec 2023 14:42

Tgt Ion: 88	Resp:	57	
Ion	Ratio	Lower	Upper
88	100		
43	324.6	19.0	28.6#
58	0.0	43.5	65.3#

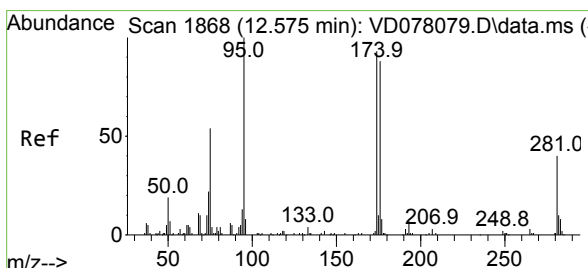
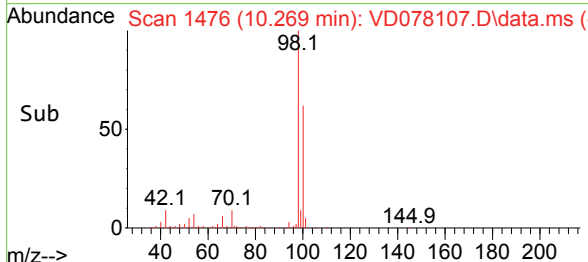
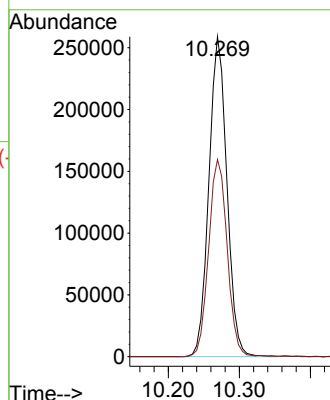
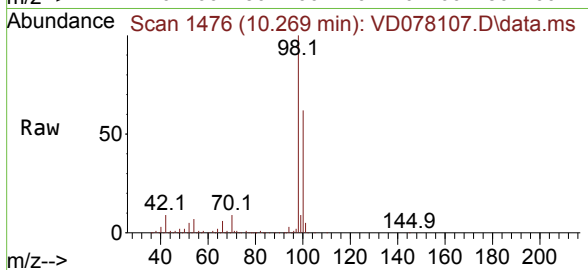




#50
Toluene-d8
Concen: 56.093 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078107.D
Acq: 29 Dec 2023 14:42

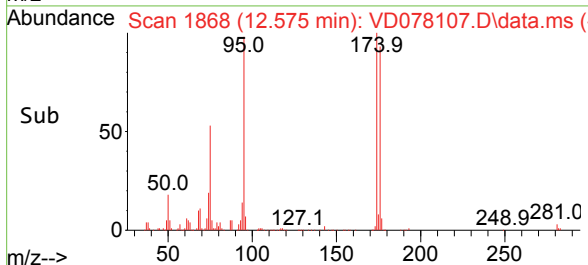
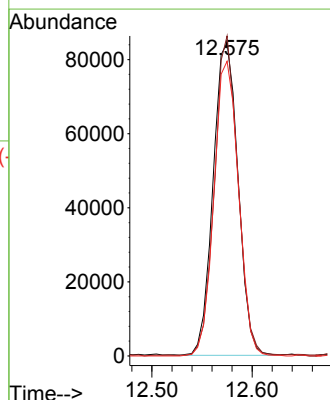
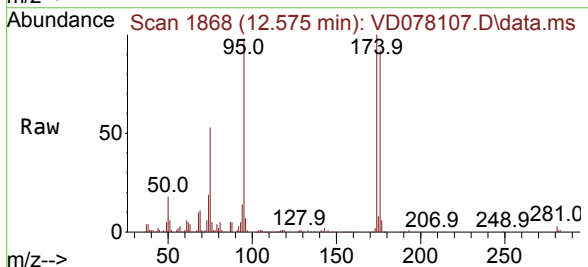
Instrument :
MSVOA_D
ClientSampleId :
EC48-WEST

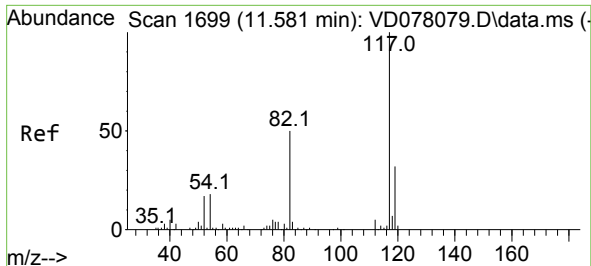
Tgt Ion: 98 Resp: 456162
Ion Ratio Lower Upper
98 100
100 63.5 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 55.648 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078107.D
Acq: 29 Dec 2023 14:42

Tgt Ion: 95 Resp: 145608
Ion Ratio Lower Upper
95 100
174 95.8 0.0 201.8
176 93.3 0.0 191.8

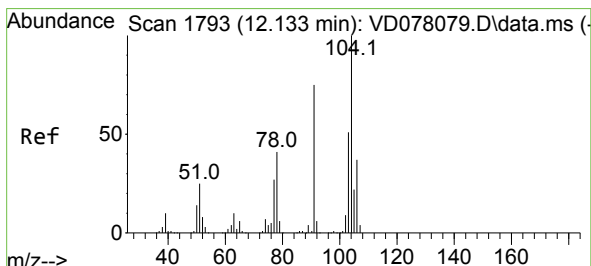
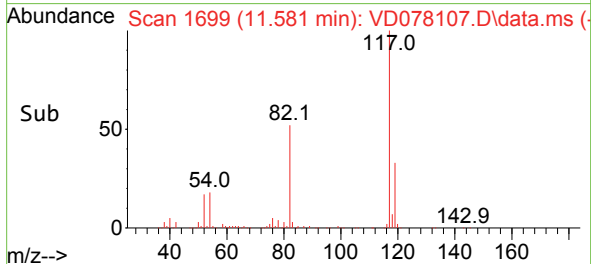
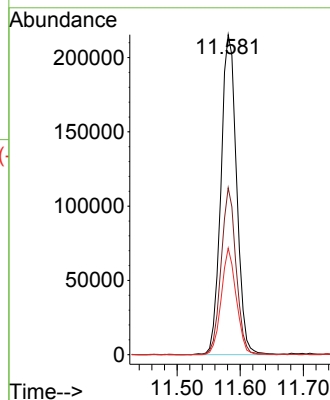
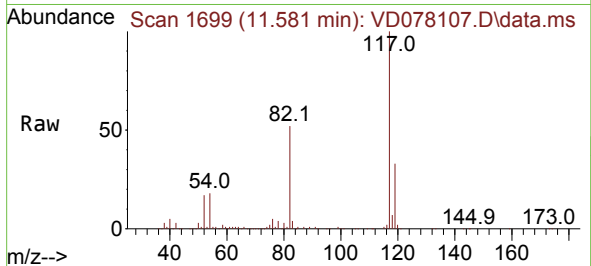




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VD078107.D
Acq: 29 Dec 2023 14:42

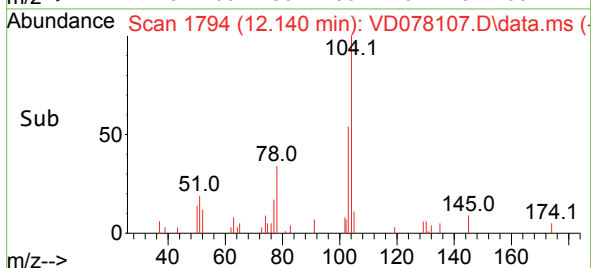
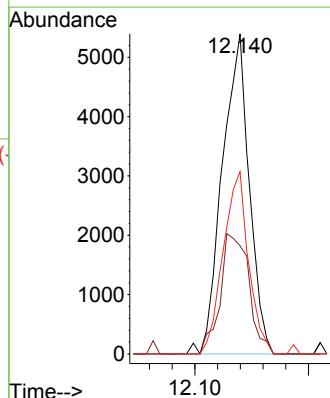
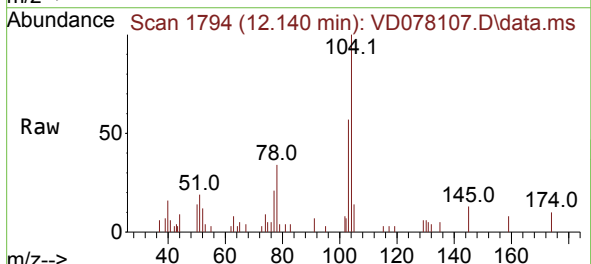
Instrument :
MSVOA_D
ClientSampleId :
EC48-WEST

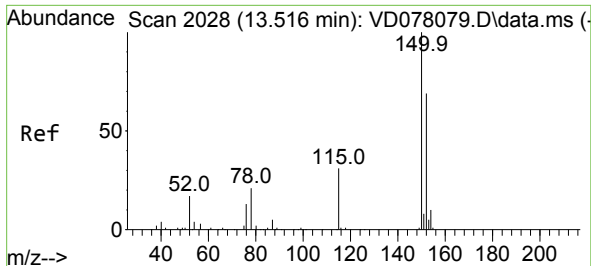
Tgt Ion:117 Resp: 372435
Ion Ratio Lower Upper
117 100
82 52.2 38.3 57.5
119 33.3 25.0 37.4



#70
Styrene
Concen: 1.199 ug/l
RT: 12.140 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VD078107.D
Acq: 29 Dec 2023 14:42

Tgt Ion:104 Resp: 8858
Ion Ratio Lower Upper
104 100
78 40.1 33.2 49.8
103 53.8 43.6 65.4

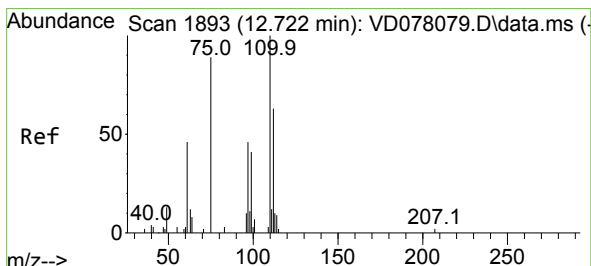
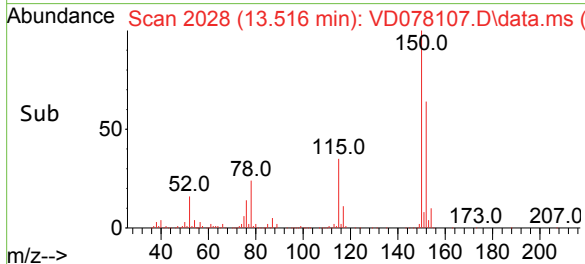
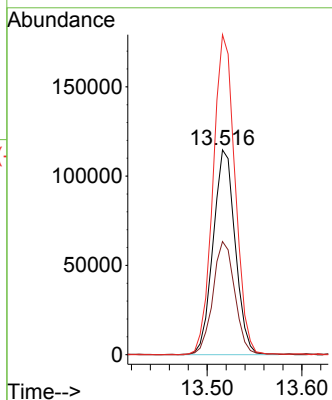
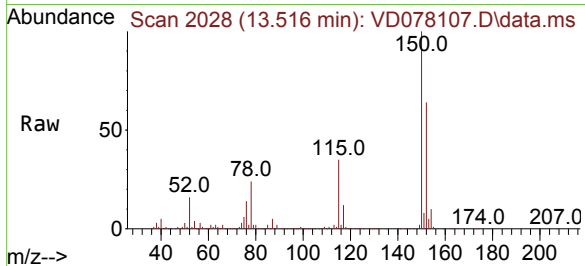




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2028
 Delta R.T. 0.000 min
 Lab File: VD078107.D
 Acq: 29 Dec 2023 14:42

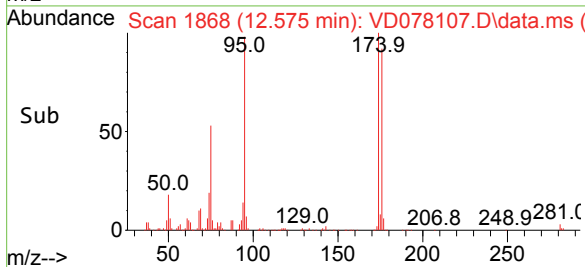
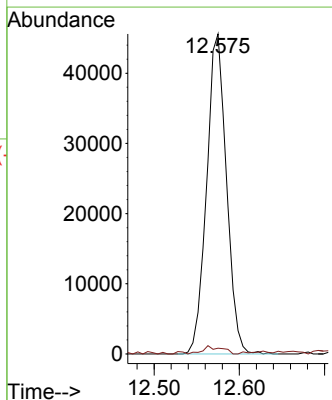
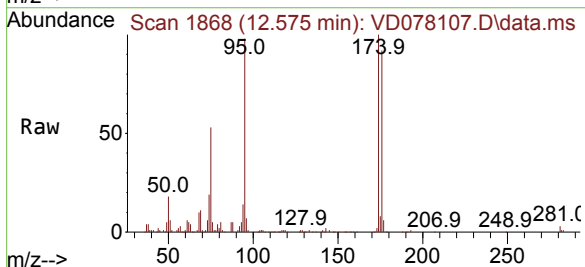
Instrument :
 MSVOA_D
 ClientSampleId :
 EC48-WEST

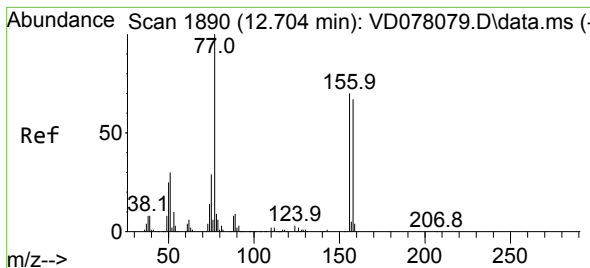
Tgt Ion:152 Resp: 185536
 Ion Ratio Lower Upper
 152 100
 115 55.3 27.1 81.3
 150 156.2 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 47.162 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD078107.D
 Acq: 29 Dec 2023 14:42

Tgt Ion: 75 Resp: 73823
 Ion Ratio Lower Upper
 75 100
 77 2.4 0.0 0.0#





#77

Bromobenzene

Concen: 1.639 ug/l

RT: 12.710 min Scan# 1891

Delta R.T. 0.006 min

Lab File: VD078107.D

Acq: 29 Dec 2023 14:42

Instrument :

MSVOA_D

ClientSampleId :

EC48-WEST

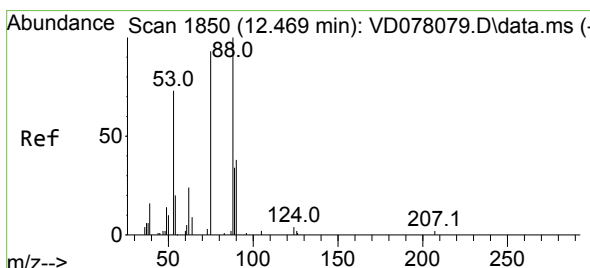
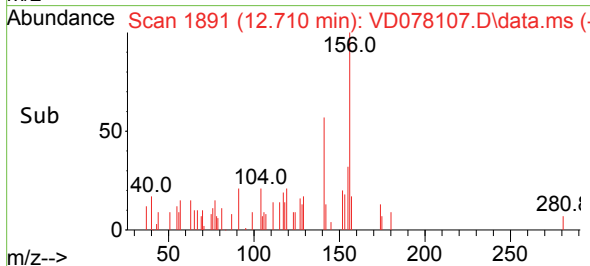
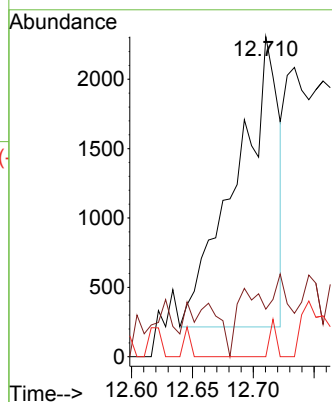
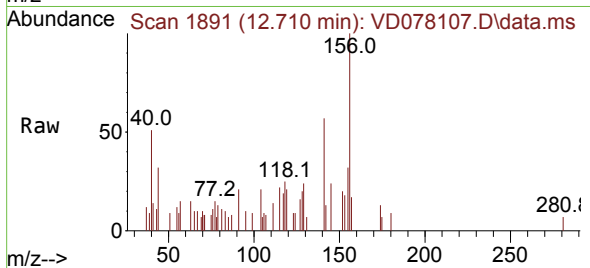
Tgt Ion:156 Resp: 5095

Ion Ratio Lower Upper

156 100

77 4.1 76.8 230.4#

158 1.9 48.6 145.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 101.624 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.106 min

Lab File: VD078107.D

Acq: 29 Dec 2023 14:42

Tgt Ion: 75 Resp: 73823

Ion Ratio Lower Upper

75 100

53 0.2 63.0 94.4#

89 0.0 37.9 56.9#

