

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122923\
 Data File : VD078109.D
 Acq On : 29 Dec 2023 15:37
 Operator : RP/MD
 Sample : 06039-01
 Misc : 8.71G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EC48-NORTH

Quant Time: Dec 29 22:36:19 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)

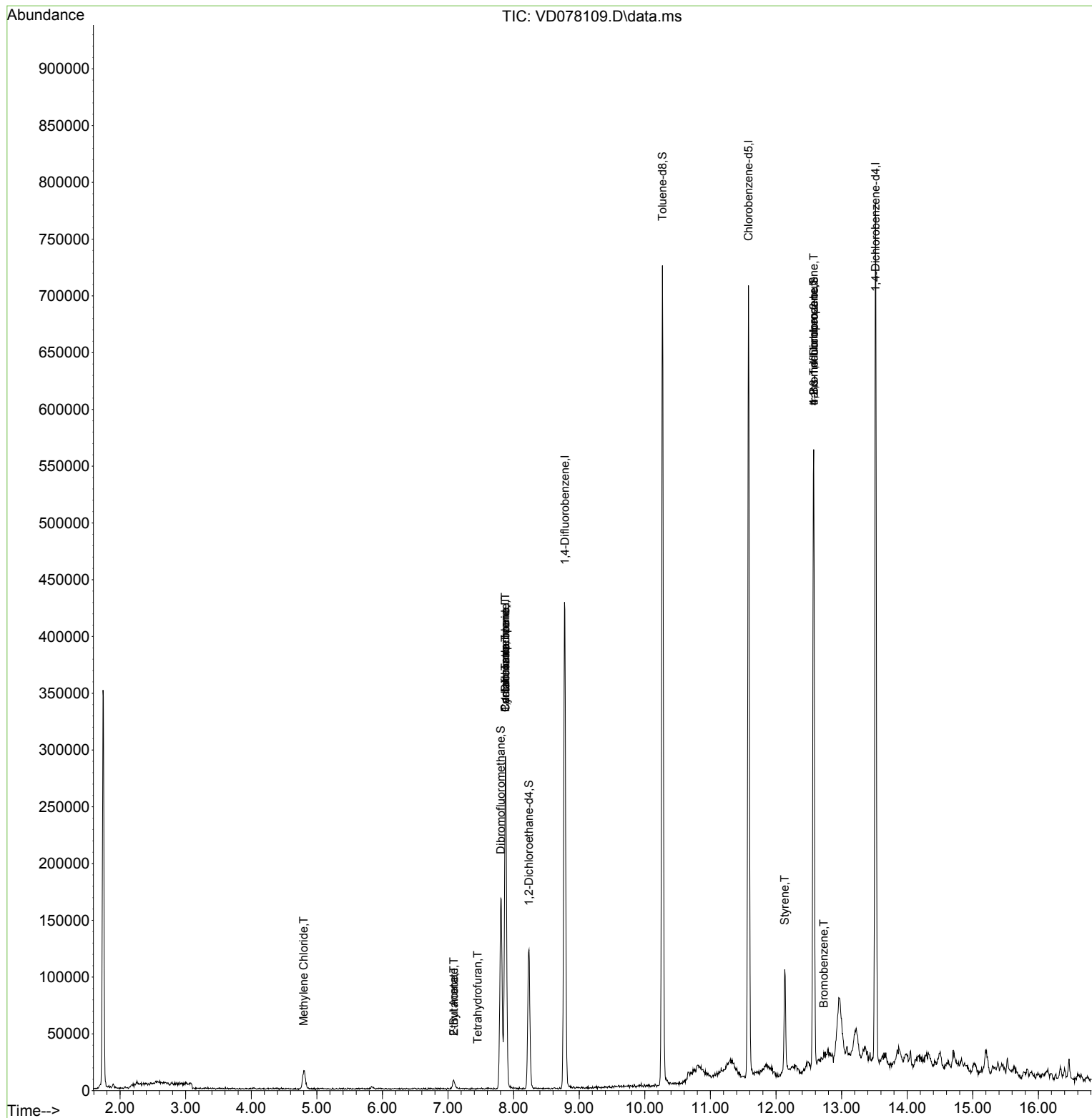
Internal Standards						
1) Pentafluorobenzene	7.875	168	235825	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	402607	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	415215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	210915	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	97947	46.679	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.360%
35) Dibromofluoromethane	7.805	113	122785	47.398	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.800%
50) Toluene-d8	10.269	98	509210	55.864	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	111.720%
62) 4-Bromofluorobenzene	12.575	95	167730	57.190	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	114.380%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.005	59	134	Below Cal	#	73
16) Acetone	3.999	43	73	Below Cal	#	32
20) Methylene Chloride	4.799	84	13830	2.345	ug/l	91
25) 2-Butanone	7.087	43	10822	7.317	ug/l	88
29) Tetrahydrofuran	7.452	42	365	1.124	ug/l #	23
31) Cyclohexane	7.875	56	4448	1.329	ug/l #	12
36) 1,1-Dichloropropene	7.875	75	16089	4.414	ug/l #	46
37) Ethyl Acetate	7.087	43	10822	8.927	ug/l #	62
38) Carbon Tetrachloride	7.875	117	21362	5.409	ug/l #	15
70) Styrene	12.134	104	46387	5.632	ug/l	96
76) 1,2,3-Trichloropropane	12.575	75	85606	48.109	ug/l #	100
77) Bromobenzene	12.728	156	3631	1.027	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	85606	103.664	ug/l #	18

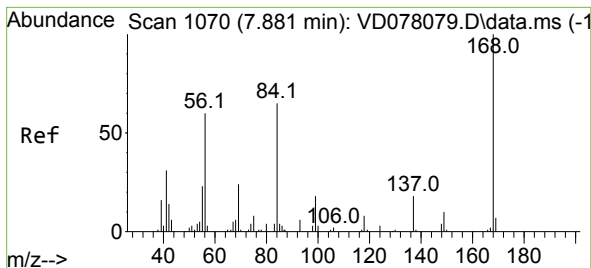
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD078109.D

Acq: 29 Dec 2023 15:37

Instrument :

MSVOA_D

ClientSampleId :

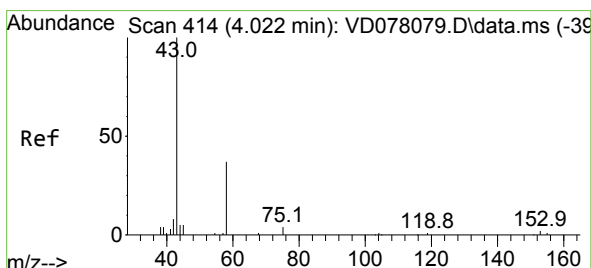
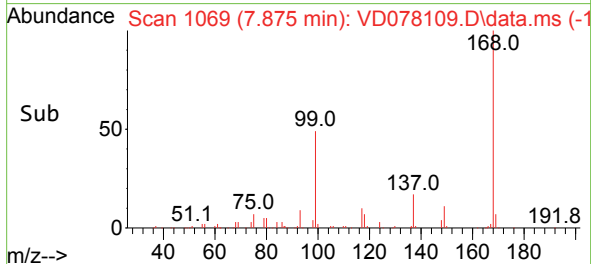
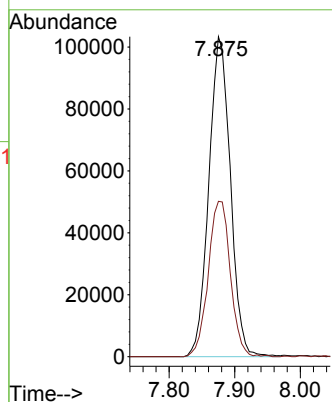
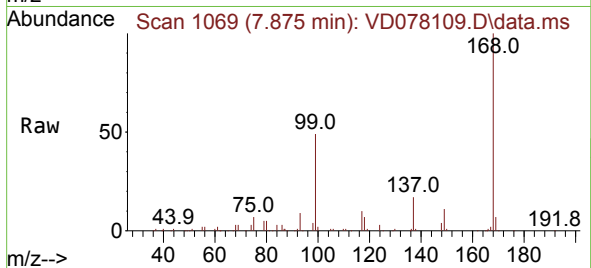
EC48-NORTH

Tgt Ion:168 Resp: 235825

Ion Ratio Lower Upper

168 100

99 48.6 36.7 55.1



#16

Acetone

Concen: Below Cal

RT: 3.999 min Scan# 410

Delta R.T. -0.023 min

Lab File: VD078109.D

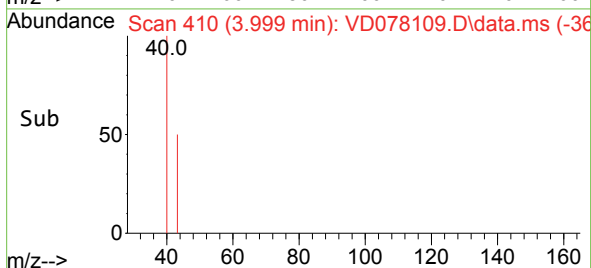
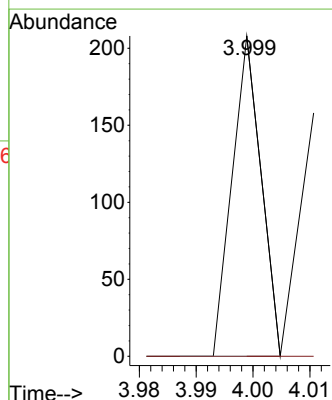
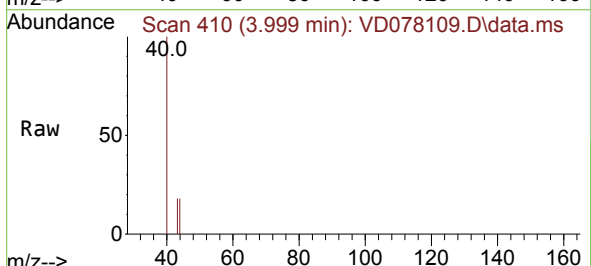
Acq: 29 Dec 2023 15:37

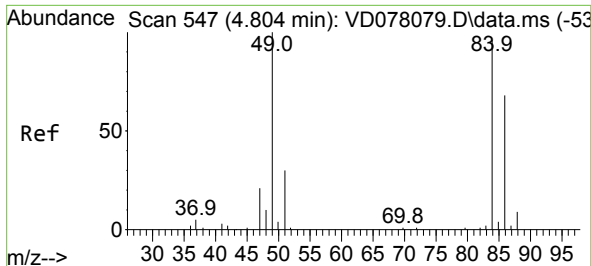
Tgt Ion: 43 Resp: 73

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#





#20

Methylene Chloride

Concen: 2.345 ug/l

RT: 4.799 min Scan# 547

Delta R.T. -0.005 min

Lab File: VD078109.D

Acq: 29 Dec 2023 15:37

Instrument :

MSVOA_D

ClientSampleId :

EC48-NORTH

Tgt Ion: 84 Resp: 13830

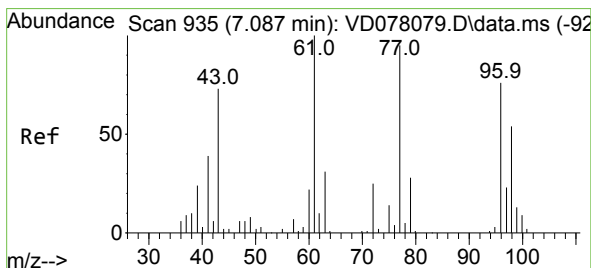
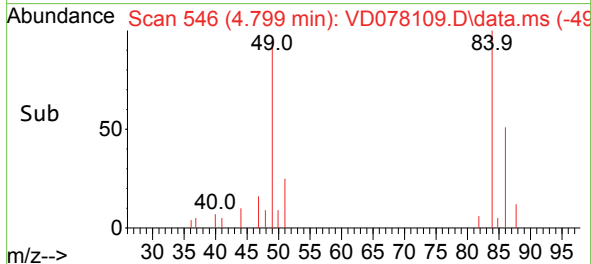
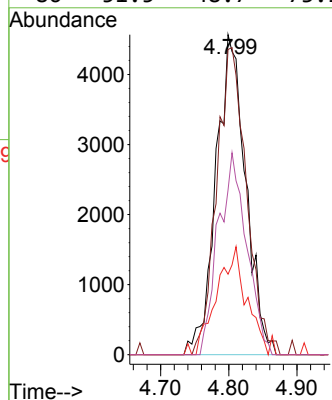
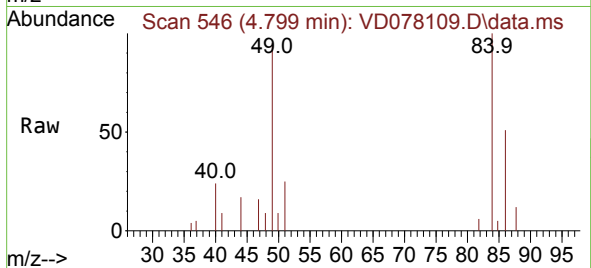
Ion Ratio Lower Upper

84 100

49 95.4 71.4 107.2

51 25.1 24.5 36.7

86 51.5 48.7 73.1



#25

2-Butanone

Concen: 7.317 ug/l

RT: 7.087 min Scan# 935

Delta R.T. -0.000 min

Lab File: VD078109.D

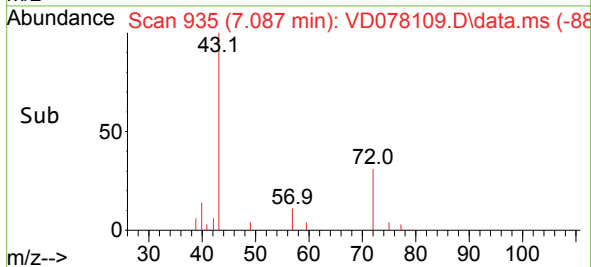
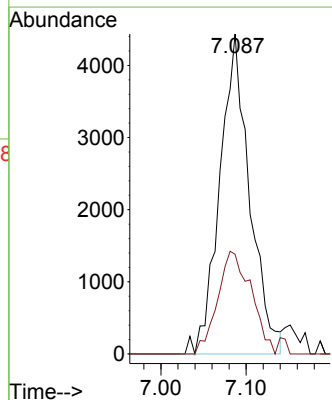
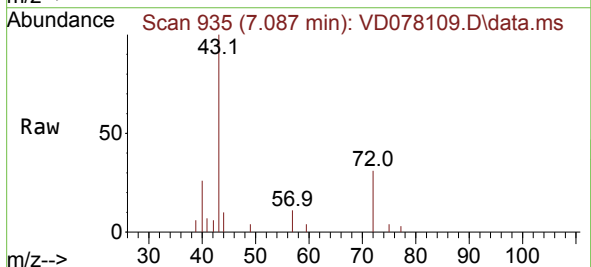
Acq: 29 Dec 2023 15:37

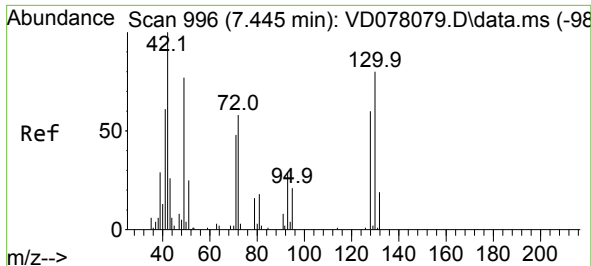
Tgt Ion: 43 Resp: 10822

Ion Ratio Lower Upper

43 100

72 31.1 30.7 46.1





#29

Tetrahydrofuran

Concen: 1.124 ug/l

RT: 7.452 min Scan# 996

Delta R.T. 0.006 min

Lab File: VD078109.D

Acq: 29 Dec 2023 15:37

Instrument :

MSVOA_D

ClientSampleId :

EC48-NORTH

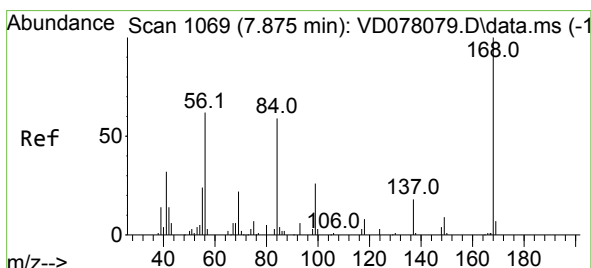
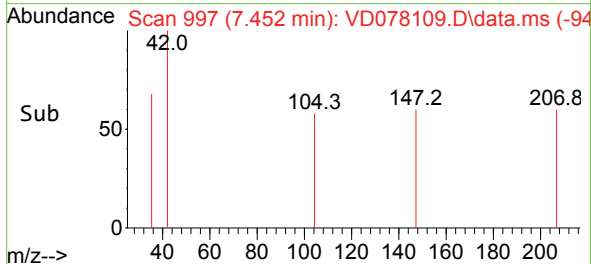
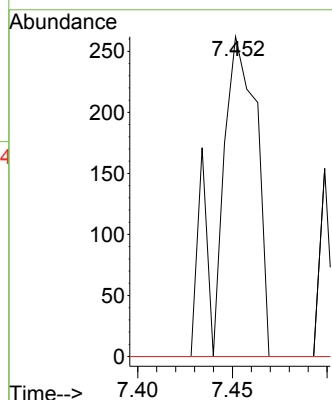
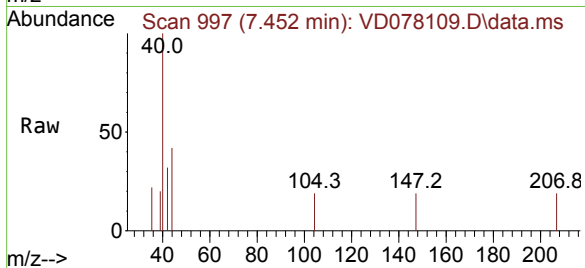
Tgt Ion: 42 Resp: 365

Ion Ratio Lower Upper

42 100

72 0.0 46.5 69.7#

71 0.0 44.5 66.7#



#31

Cyclohexane

Concen: 1.329 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD078109.D

Acq: 29 Dec 2023 15:37

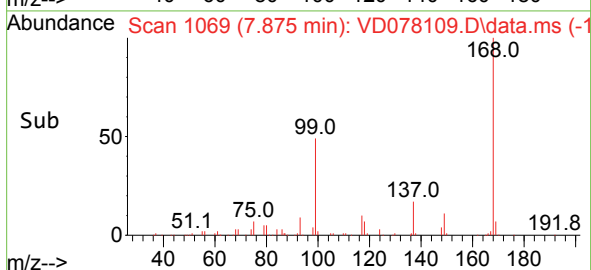
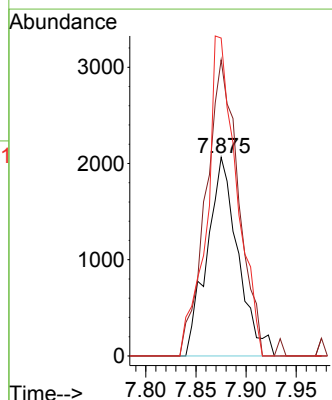
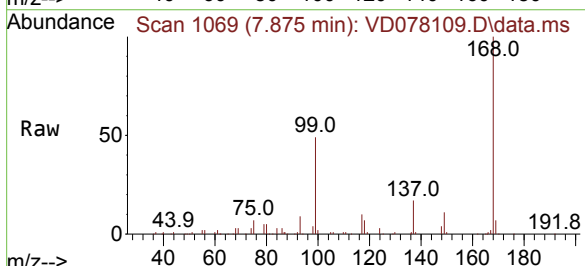
Tgt Ion: 56 Resp: 4448

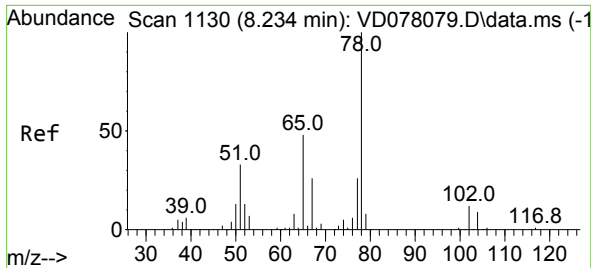
Ion Ratio Lower Upper

56 100

69 149.2 28.6 43.0#

84 160.2 84.8 127.2#

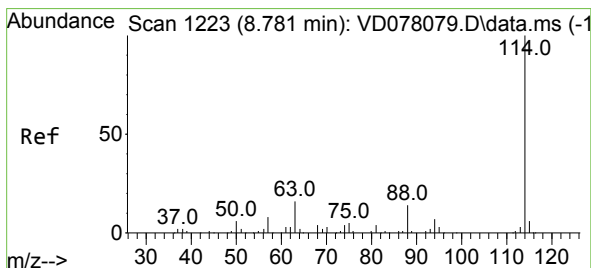
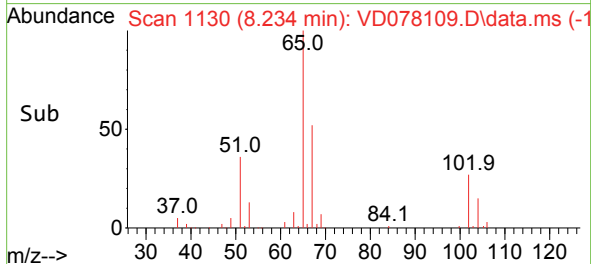
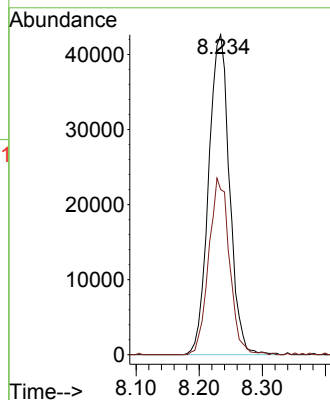
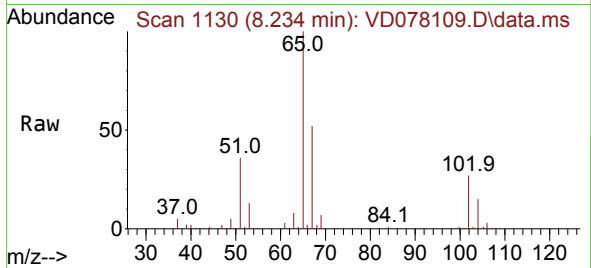




#33
 1,2-Dichloroethane-d4
 Concen: 46.679 ug/l
 RT: 8.234 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VD078109.D
 Acq: 29 Dec 2023 15:37

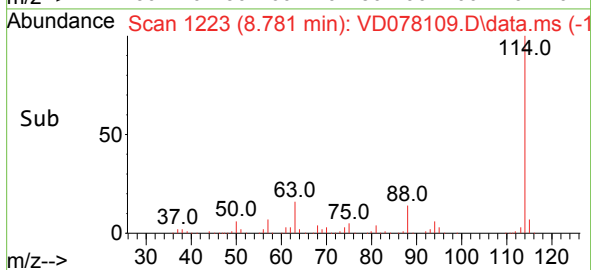
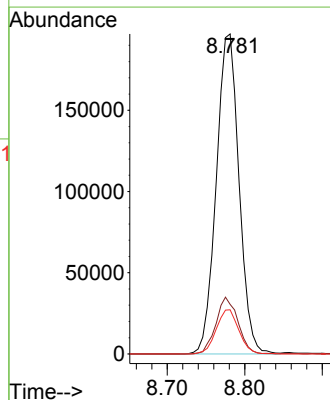
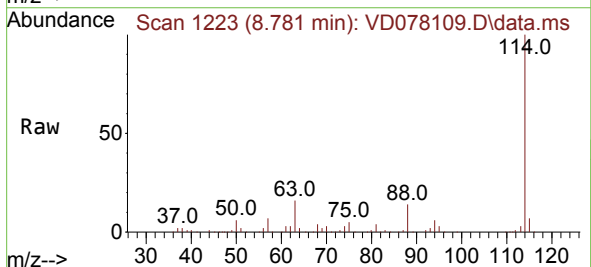
Instrument :
 MSVOA_D
 ClientSampleId :
 EC48-NORTH

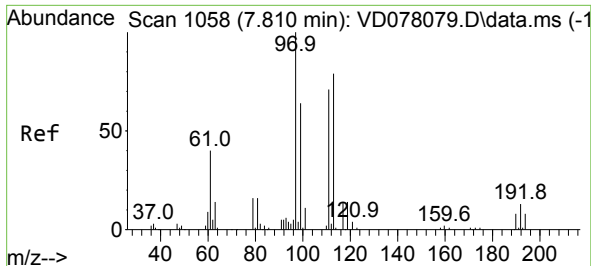
Tgt Ion: 65 Resp: 97947
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 115.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.781 min Scan# 1223
 Delta R.T. 0.000 min
 Lab File: VD078109.D
 Acq: 29 Dec 2023 15:37

Tgt Ion:114 Resp: 402607
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 33.4
 88 13.8 0.0 26.2

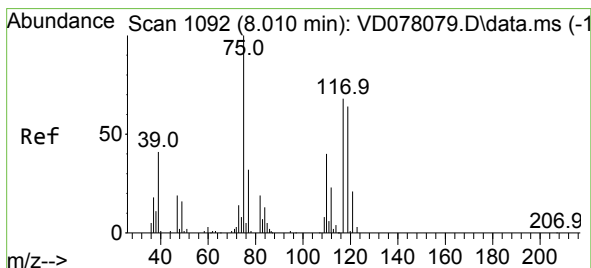
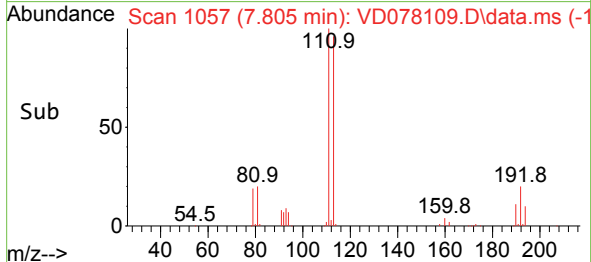
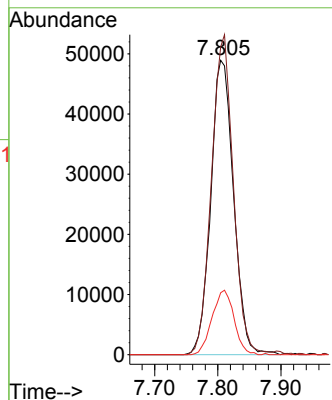
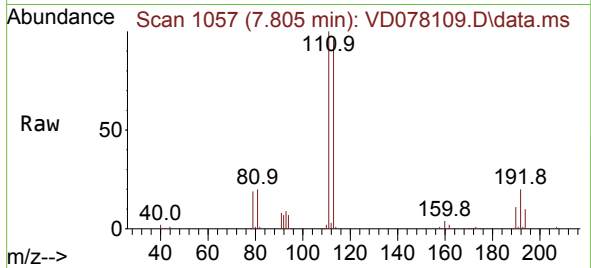




#35
Dibromofluoromethane
Concen: 47.398 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VD078109.D
Acq: 29 Dec 2023 15:37

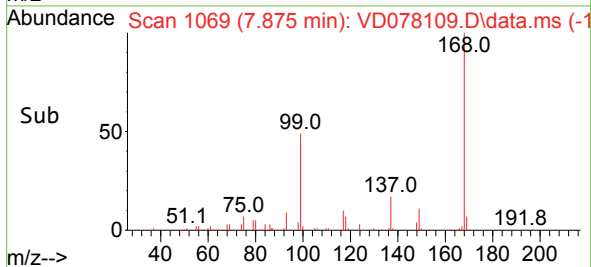
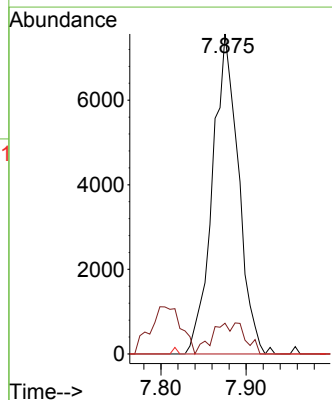
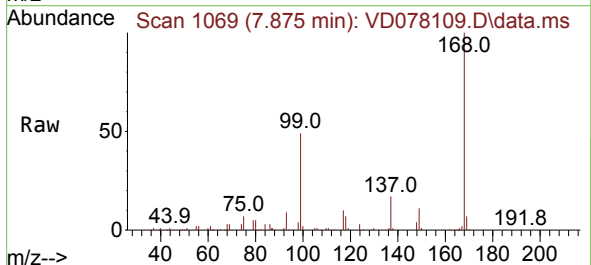
Instrument :
MSVOA_D
ClientSampleId :
EC48-NORTH

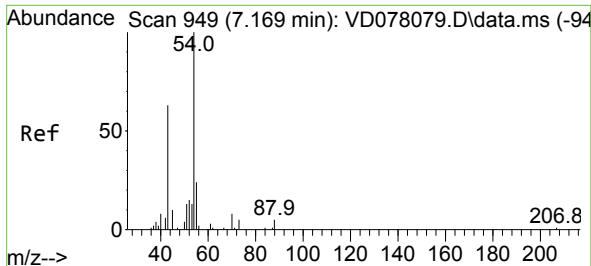
Tgt Ion:113 Resp: 122785
Ion Ratio Lower Upper
113 100
111 104.0 84.7 127.1
192 21.1 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.414 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD078109.D
Acq: 29 Dec 2023 15:37

Tgt Ion: 75 Resp: 16089
Ion Ratio Lower Upper
75 100
110 7.2 19.9 59.6#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 8.927 ug/l

RT: 7.087 min Scan# 91

Delta R.T. -0.082 min

Lab File: VD078109.D

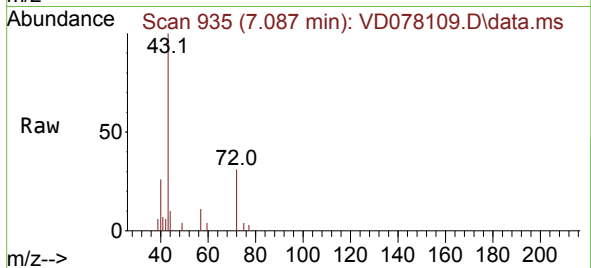
Acq: 29 Dec 2023 15:37

Instrument :

MSVOA_D

ClientSampleId :

EC48-NORTH



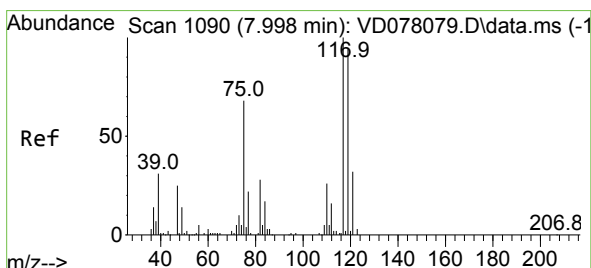
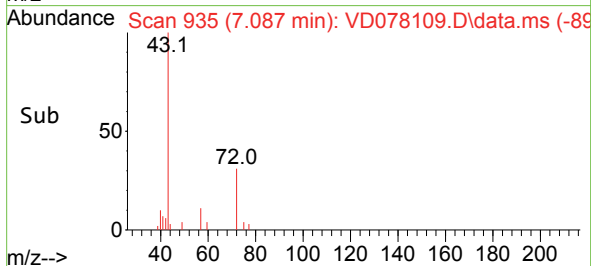
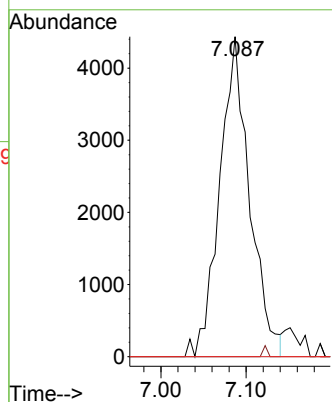
Tgt Ion: 43 Resp: 10822

Ion Ratio Lower Upper

43 100

61 0.0 14.9 22.3#

70 0.0 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 5.409 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.123 min

Lab File: VD078109.D

Acq: 29 Dec 2023 15:37

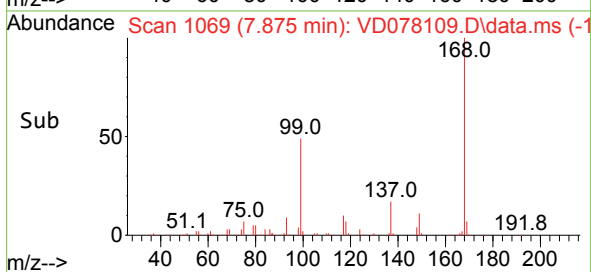
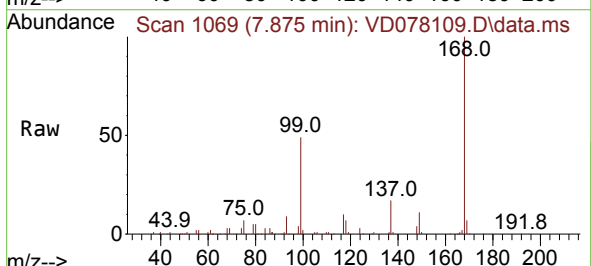
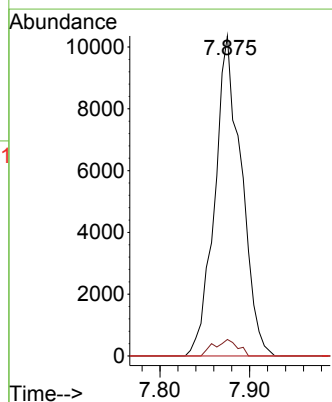
Tgt Ion: 117 Resp: 21362

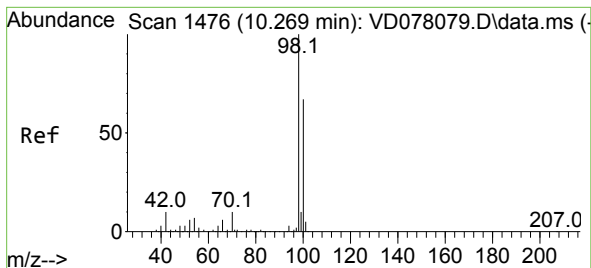
Ion Ratio Lower Upper

117 100

119 5.1 78.0 117.0#

121 0.0 24.2 36.2#

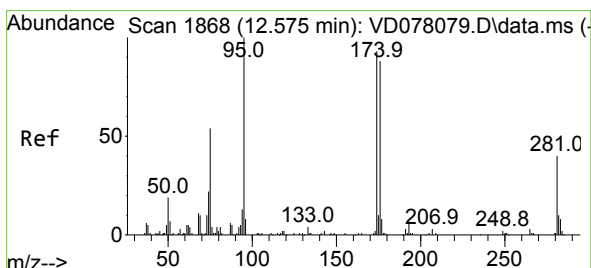
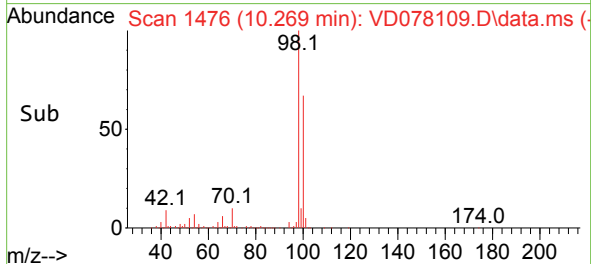
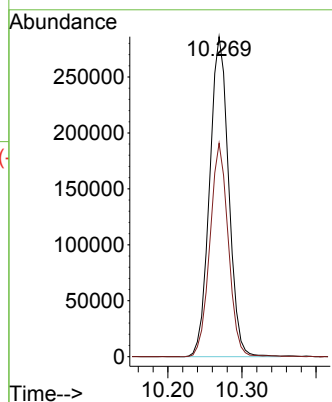
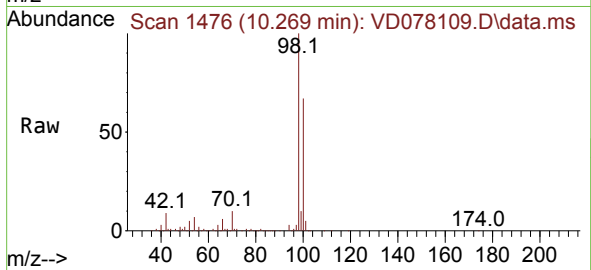




#50
Toluene-d8
Concen: 55.864 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078109.D
Acq: 29 Dec 2023 15:37

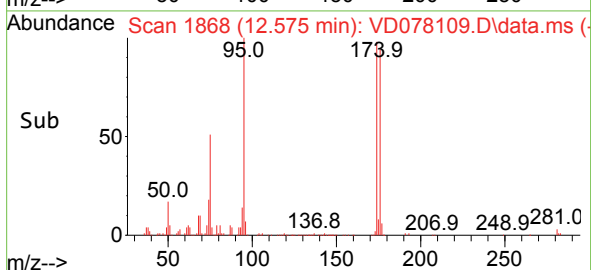
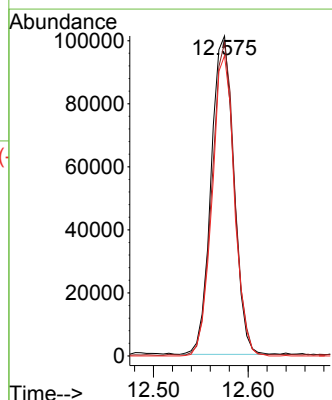
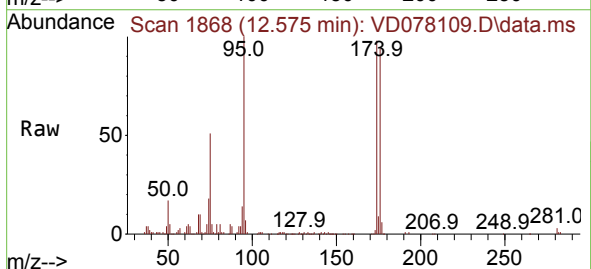
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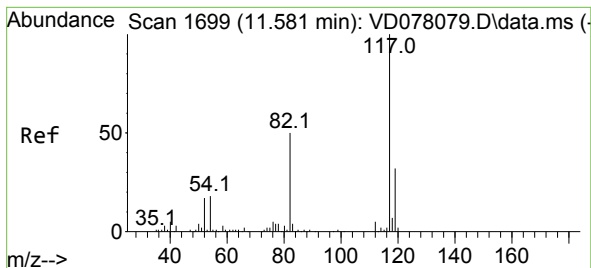
Tgt Ion: 98 Resp: 509210
Ion Ratio Lower Upper
98 100
100 64.5 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 57.190 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078109.D
Acq: 29 Dec 2023 15:37

Tgt Ion: 95 Resp: 167730
Ion Ratio Lower Upper
95 100
174 97.2 0.0 201.8
176 92.9 0.0 191.8

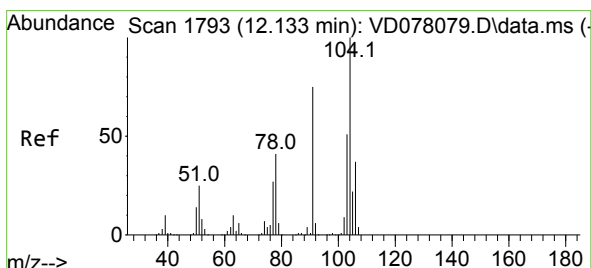
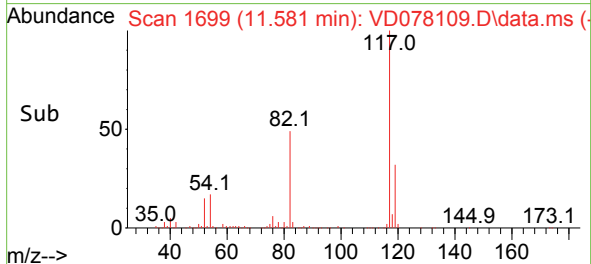
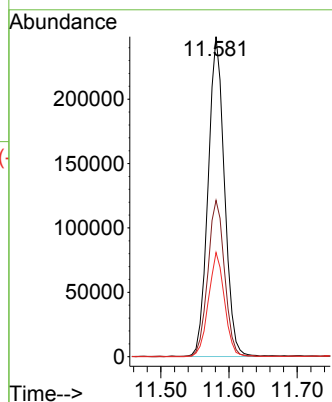
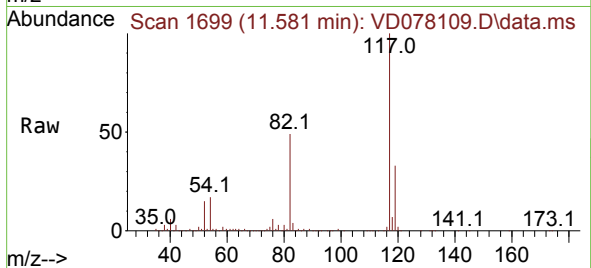




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VD078109.D
Acq: 29 Dec 2023 15:37

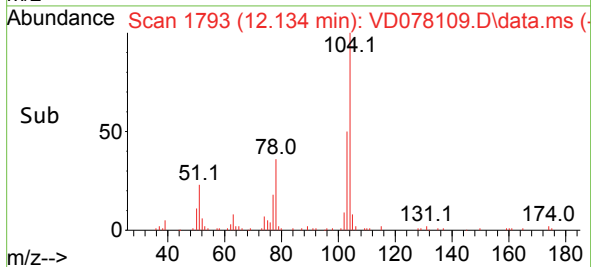
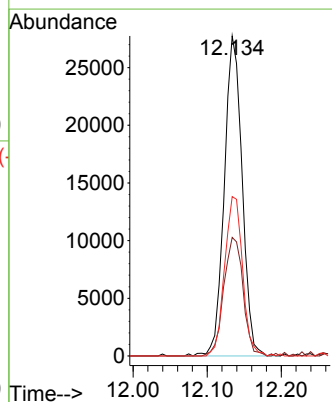
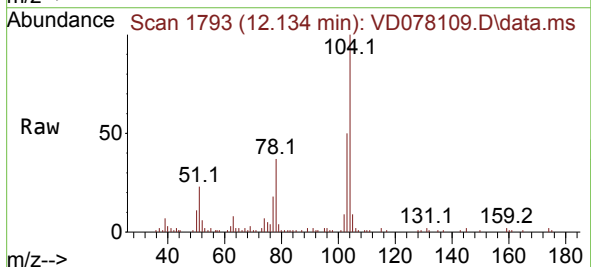
Instrument :
MSVOA_D
ClientSampleId :
EC48-NORTH

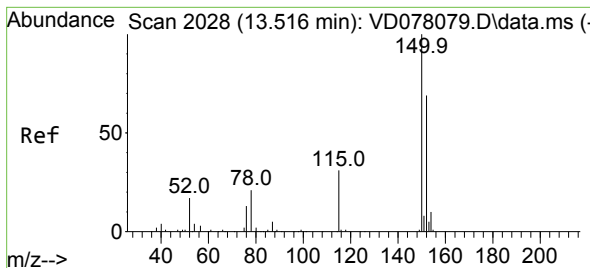
Tgt Ion:117 Resp: 415215
Ion Ratio Lower Upper
117 100
82 48.8 38.3 57.5
119 32.6 25.0 37.4



#70
Styrene
Concen: 5.632 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD078109.D
Acq: 29 Dec 2023 15:37

Tgt Ion:104 Resp: 46387
Ion Ratio Lower Upper
104 100
78 40.0 33.2 49.8
103 50.4 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: VD078109.D

Acq: 29 Dec 2023 15:37

Instrument :

MSVOA_D

ClientSampleId :

EC48-NORTH

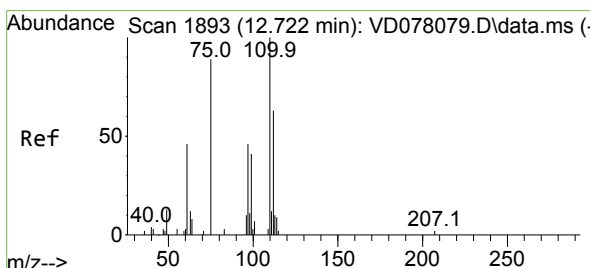
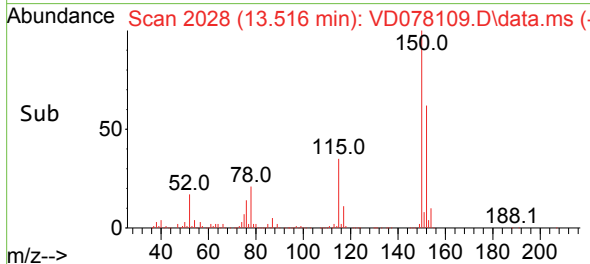
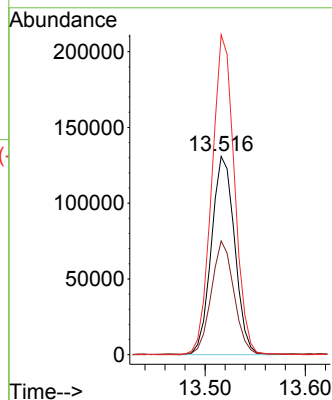
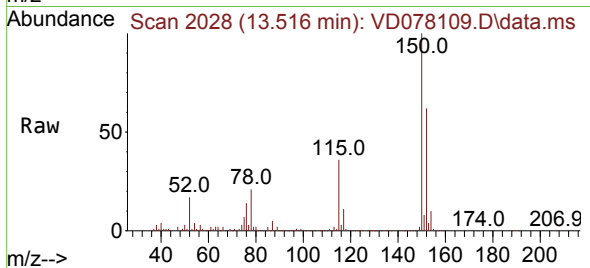
Tgt Ion:152 Resp: 210915

Ion Ratio Lower Upper

152 100

115 56.3 27.1 81.3

150 156.9 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 48.109 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078109.D

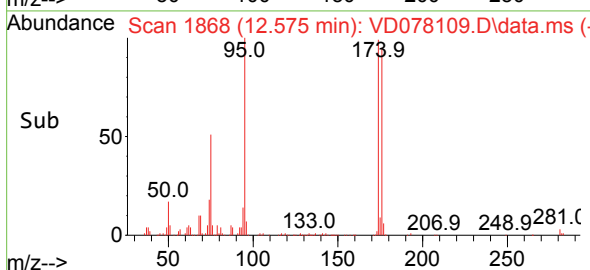
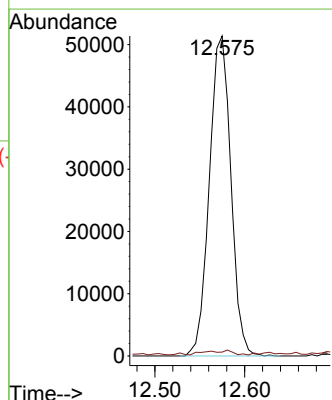
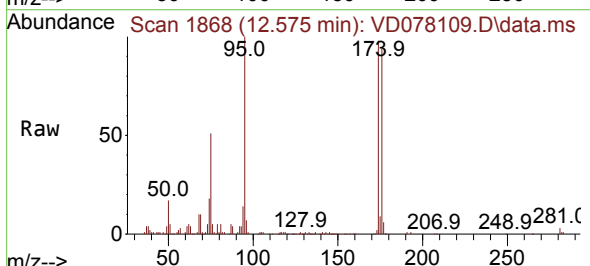
Acq: 29 Dec 2023 15:37

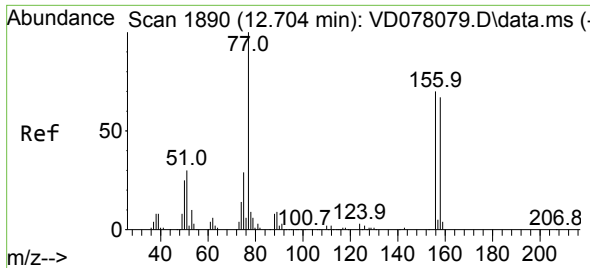
Tgt Ion: 75 Resp: 85606

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#

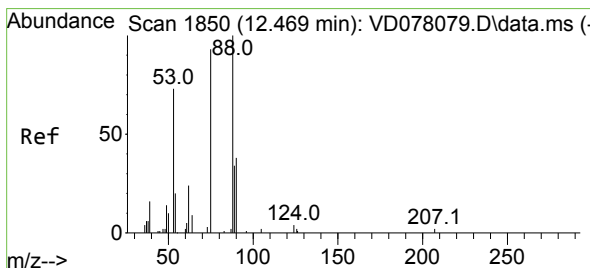
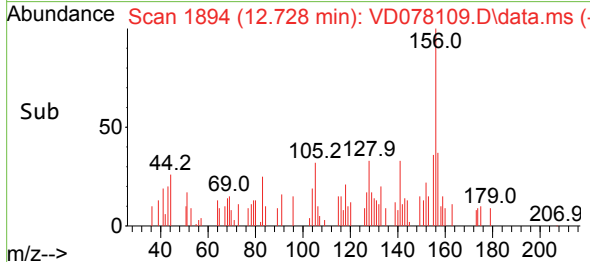
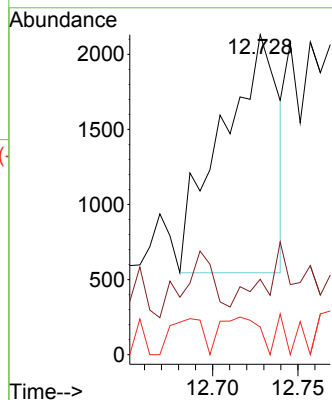
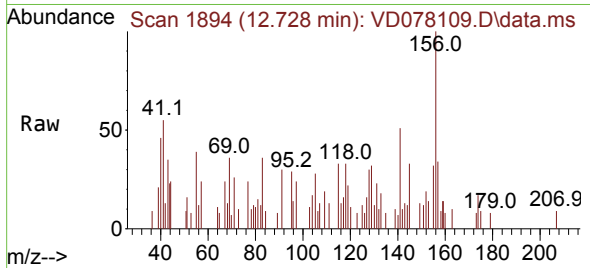




#77
Bromobenzene
Concen: 1.027 ug/l
RT: 12.728 min Scan# 1894
Delta R.T. 0.024 min
Lab File: VD078109.D
Acq: 29 Dec 2023 15:37

Instrument :
MSVOA_D
ClientSampleId :
EC48-NORTH

Tgt Ion:156 Resp: 3631
Ion Ratio Lower Upper
156 100
77 20.6 76.8 230.4#
158 2.6 48.6 145.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.664 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078109.D
Acq: 29 Dec 2023 15:37

Tgt Ion: 75 Resp: 85606
Ion Ratio Lower Upper
75 100
53 0.2 63.0 94.4#
89 0.2 37.9 56.9#

