

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012324\
 Data File : VD078213.D
 Acq On : 23 Jan 2024 17:29
 Operator : RP/MD
 Sample : P1221-03
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-A

Quant Time: Jan 24 00:24:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 05:43:07 2024
 Response via : Initial Calibration

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

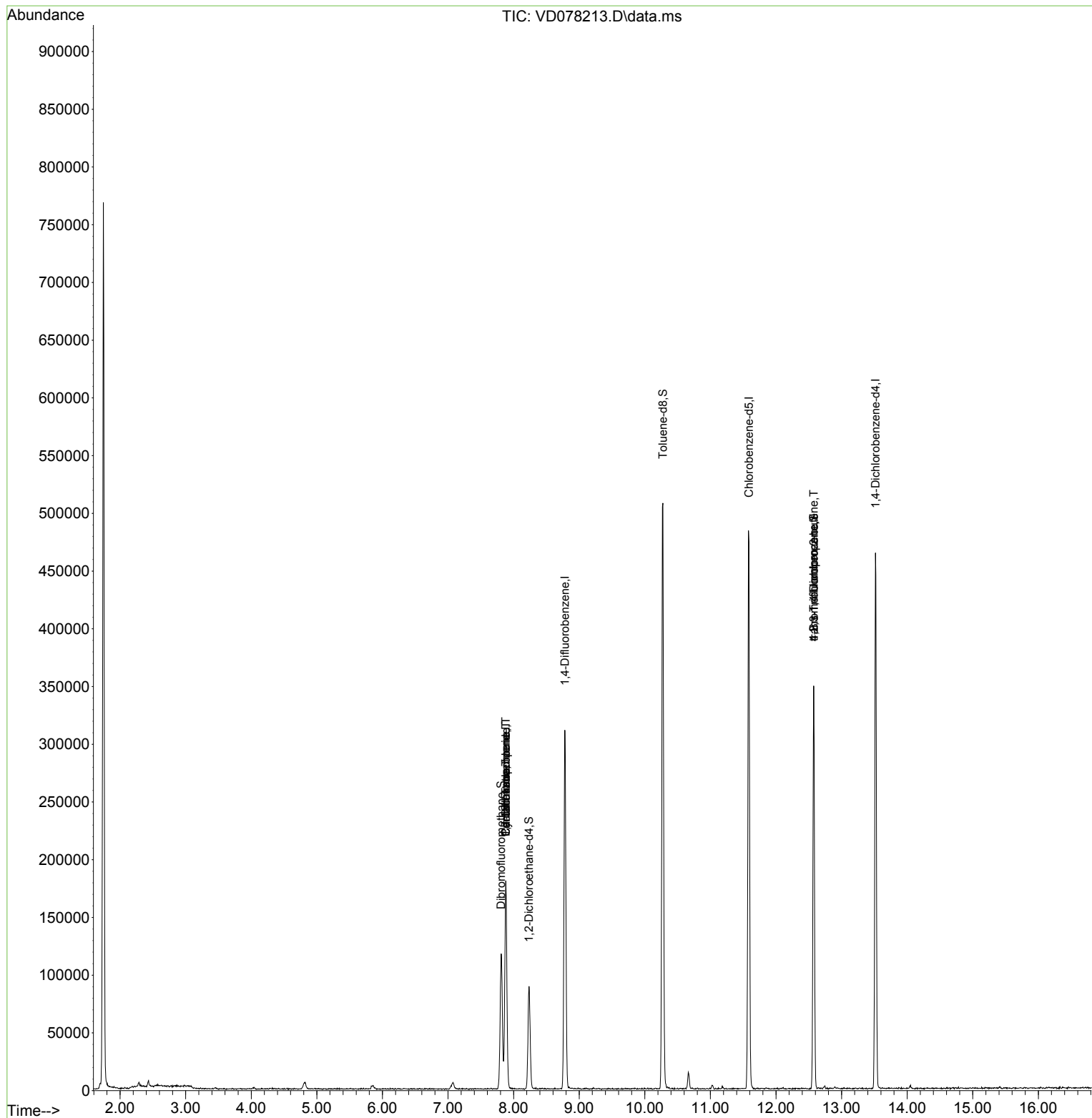
Internal Standards						
1) Pentafluorobenzene	7.881	168	130191	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	277813	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	281560	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	119742	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	67948	45.718	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.440%		
35) Dibromofluoromethane	7.810	113	85234	46.617	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.240%		
50) Toluene-d8	10.275	98	360304	49.768	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.540%		
62) 4-Bromofluorobenzene	12.575	95	106366	50.662	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.320%		
Target Compounds						
3) Chloromethane	2.152	50	67	Below Cal	#	41
16) Acetone	4.028	43	728	Below Cal		96
20) Methylene Chloride	4.811	84	4452	Below Cal	#	86
25) 2-Butanone	7.087	43	280	Below Cal	#	37
31) Cyclohexane	7.881	56	3349	1.219	ug/l	# 66
36) 1,1-Dichloropropene	7.881	75	10983	3.653	ug/l	# 48
38) Carbon Tetrachloride	7.881	117	14378	4.842	ug/l	# 14
76) 1,2,3-Trichloropropane	12.575	75	58330	50.789	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	58330	109.401	ug/l	# 17

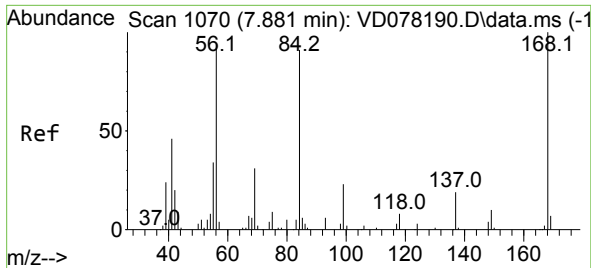
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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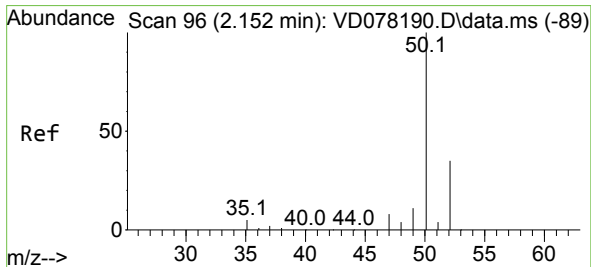
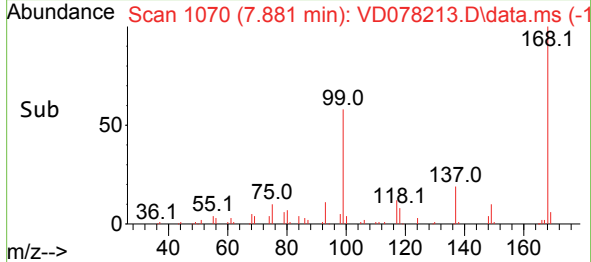
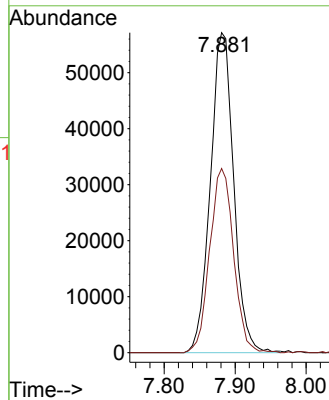
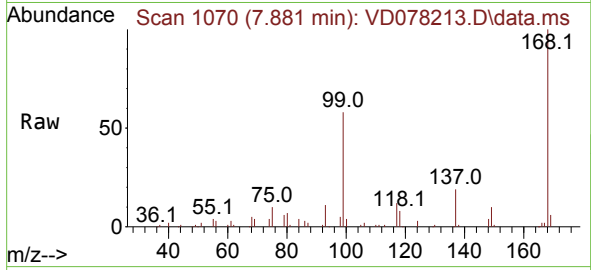




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD078213.D
Acq: 23 Jan 2024 17:29

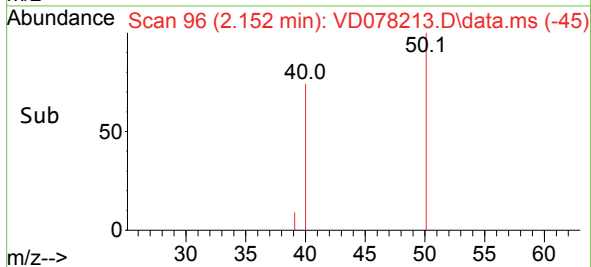
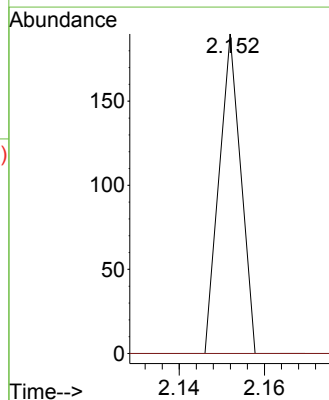
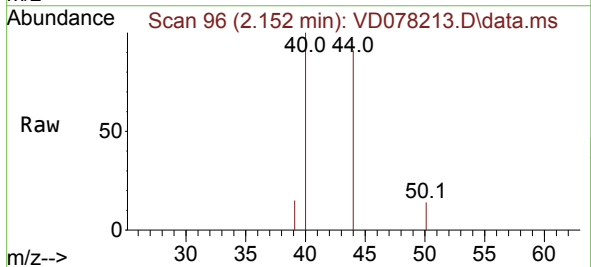
Instrument :
MSVOA_D
ClientSampleId :
MH-A

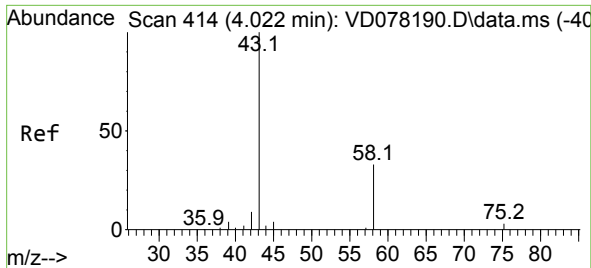
Tgt Ion:168 Resp: 130191
Ion Ratio Lower Upper
168 100
99 57.6 36.7 55.1#



#3
Chloromethane
Concen: Below Cal
RT: 2.152 min Scan# 96
Delta R.T. -0.000 min
Lab File: VD078213.D
Acq: 23 Jan 2024 17:29

Tgt Ion: 50 Resp: 67
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

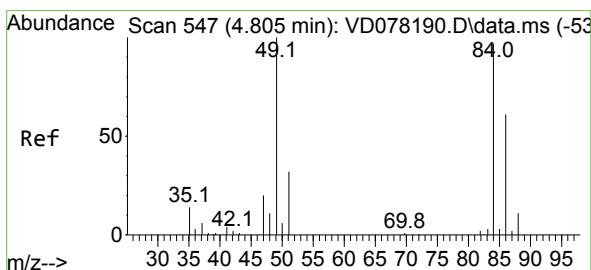
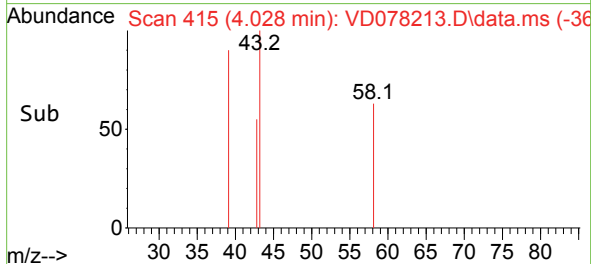
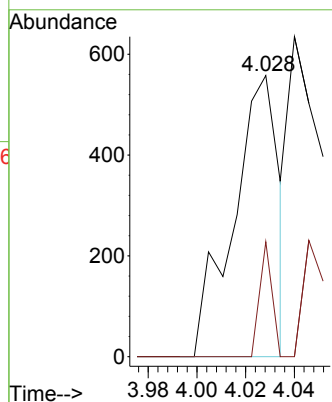
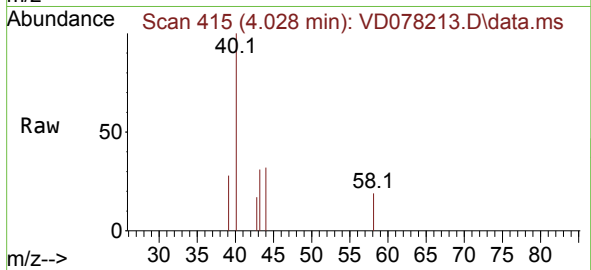




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD078213.D
Acq: 23 Jan 2024 17:29

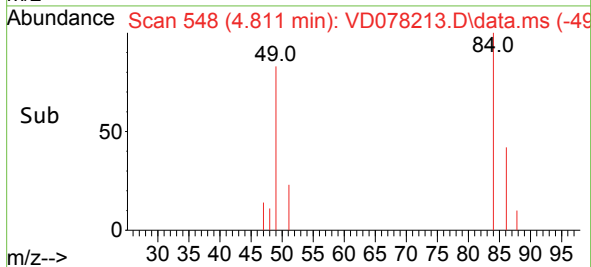
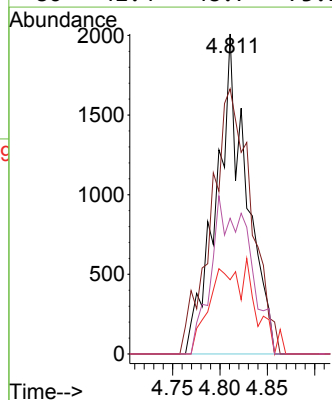
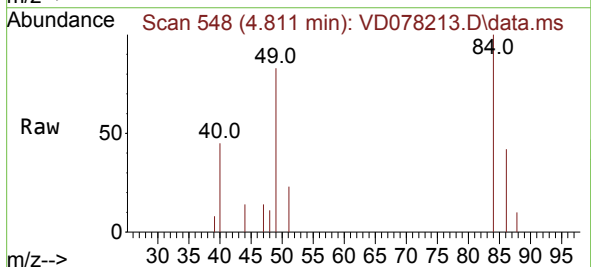
Instrument :
MSVOA_D
ClientSampleId :
MH-A

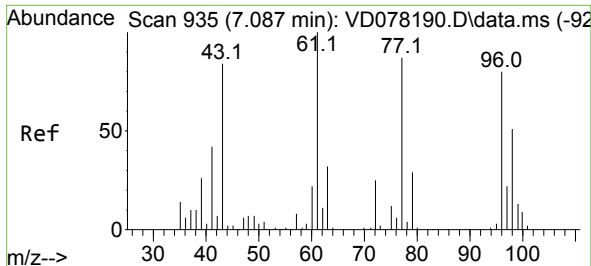
Tgt Ion: 43 Resp: 728
Ion Ratio Lower Upper
43 100
58 40.9 34.7 52.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 548
Delta R.T. 0.006 min
Lab File: VD078213.D
Acq: 23 Jan 2024 17:29

Tgt Ion: 84 Resp: 4452
Ion Ratio Lower Upper
84 100
49 82.9 71.4 107.2
51 23.2 24.5 36.7#
86 42.4 48.7 73.1#

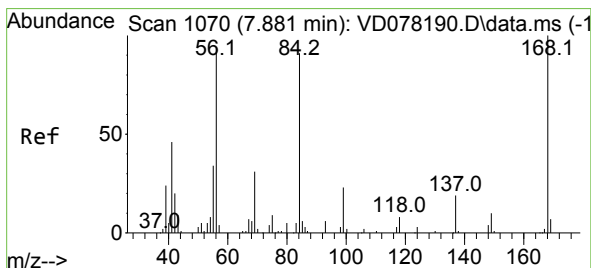
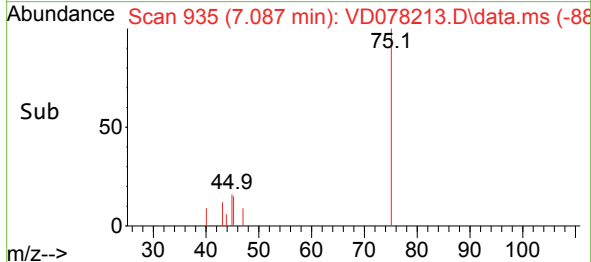
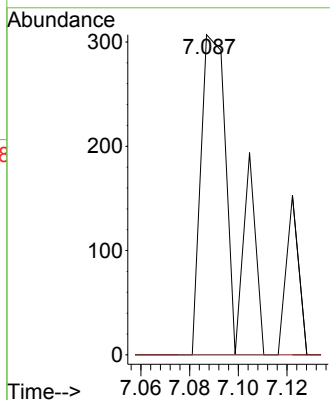
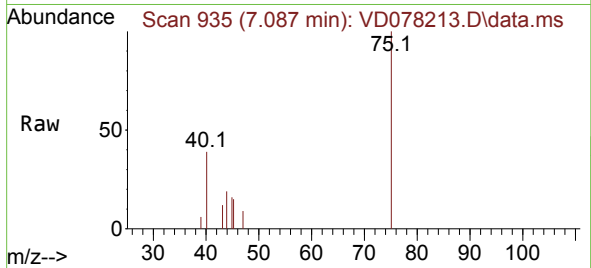




#25
2-Butanone
Concen: Below Cal
RT: 7.087 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD078213.D
Acq: 23 Jan 2024 17:29

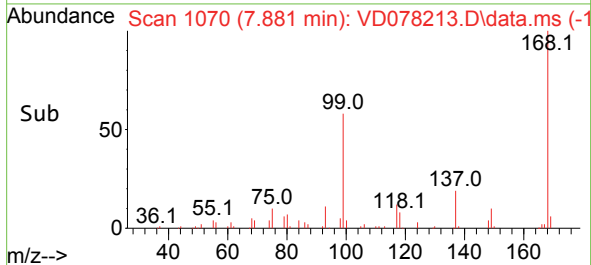
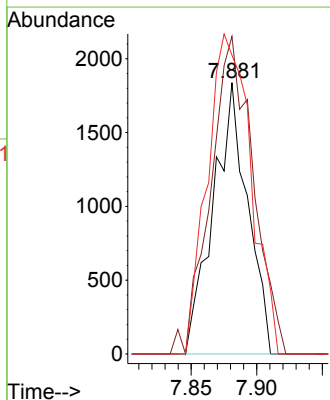
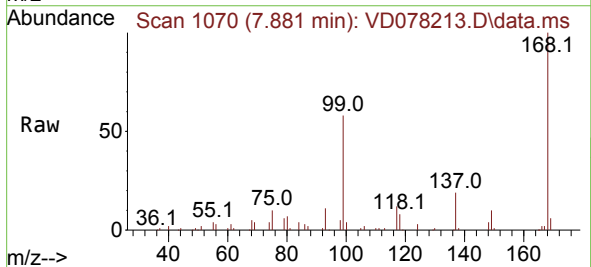
Instrument :
MSVOA_D
ClientSampleId :
MH-A

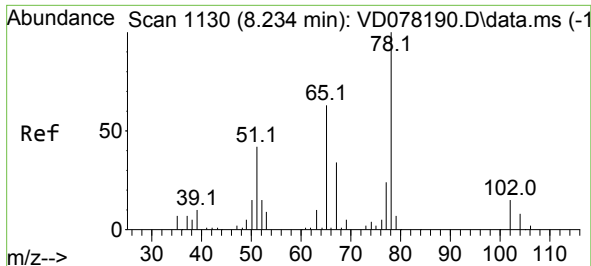
Tgt Ion: 43 Resp: 280
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.219 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD078213.D
Acq: 23 Jan 2024 17:29

Tgt Ion: 56 Resp: 3349
Ion Ratio Lower Upper
56 100
69 108.0 28.6 43.0#
84 110.1 84.8 127.2

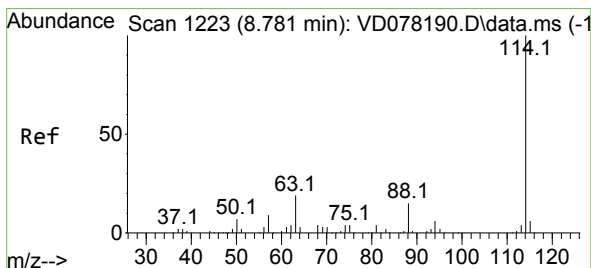
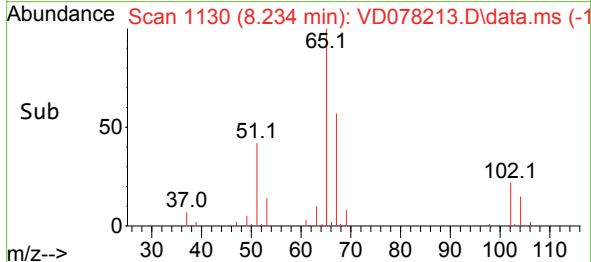
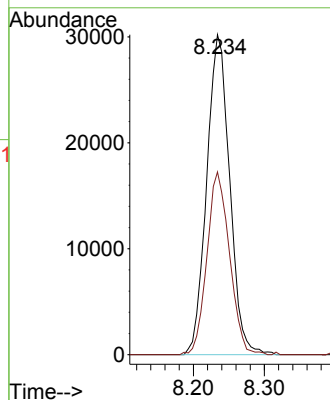
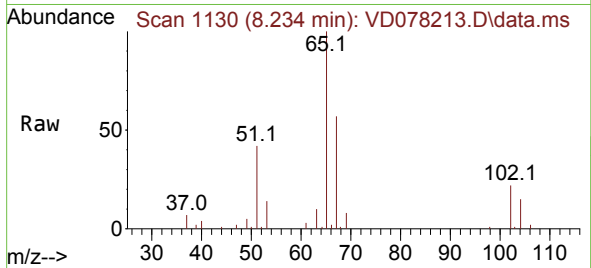




#33
 1,2-Dichloroethane-d4
 Concen: 45.718 ug/l
 RT: 8.234 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VD078213.D
 Acq: 23 Jan 2024 17:29

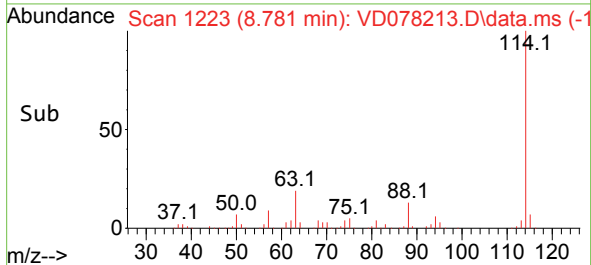
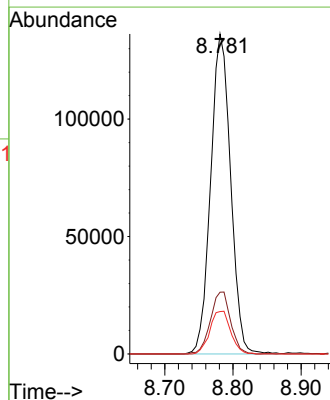
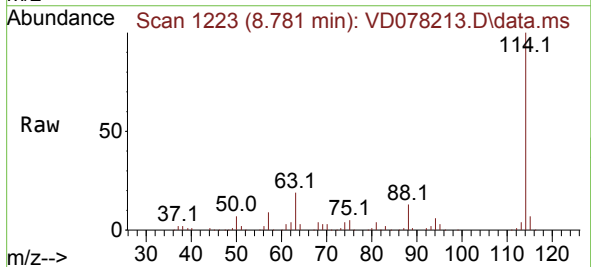
Instrument :
 MSVOA_D
 ClientSampleId :
 MH-A

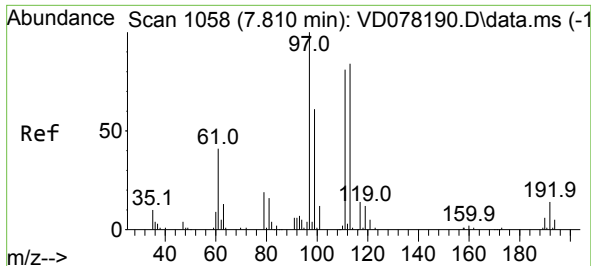
Tgt Ion: 65 Resp: 67948
 Ion Ratio Lower Upper
 65 100
 67 56.3 0.0 115.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.781 min Scan# 1223
 Delta R.T. 0.000 min
 Lab File: VD078213.D
 Acq: 23 Jan 2024 17:29

Tgt Ion:114 Resp: 277813
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 33.4
 88 13.3 0.0 26.2





#35

Dibromofluoromethane

Concen: 46.617 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD078213.D

Acq: 23 Jan 2024 17:29

Instrument :

MSVOA_D

ClientSampleId :

MH-A

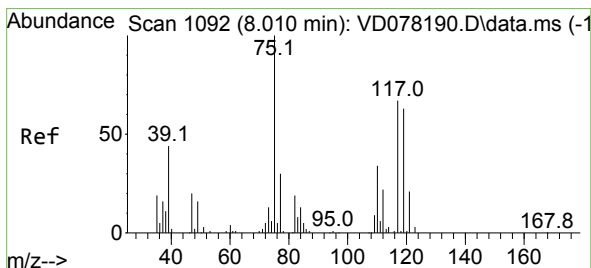
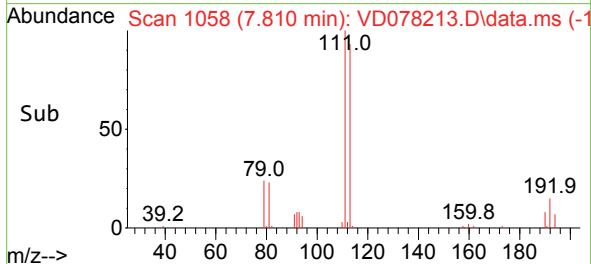
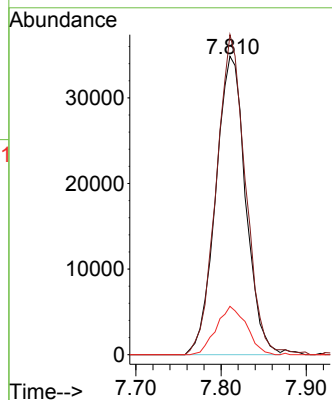
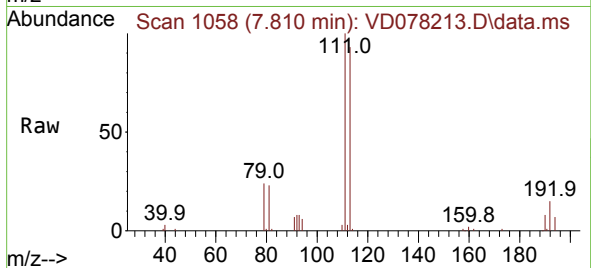
Tgt Ion:113 Resp: 85234

Ion Ratio Lower Upper

113 100

111 104.7 84.7 127.1

192 16.4 16.8 25.2#



#36

1,1-Dichloropropene

Concen: 3.653 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD078213.D

Acq: 23 Jan 2024 17:29

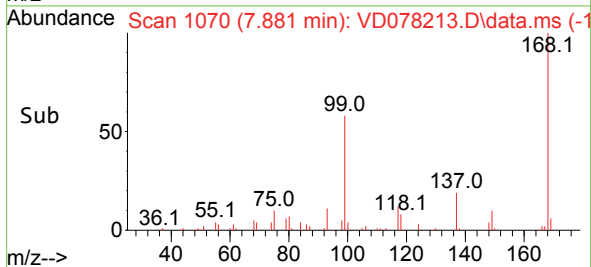
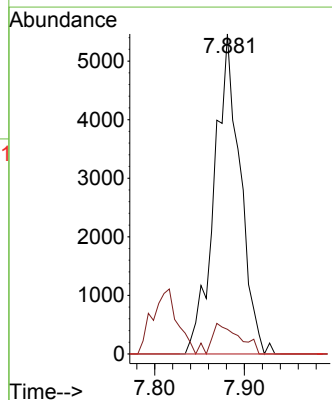
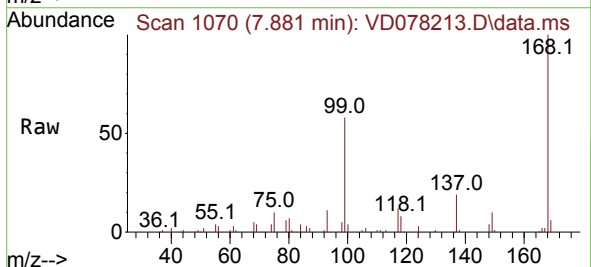
Tgt Ion: 75 Resp: 10983

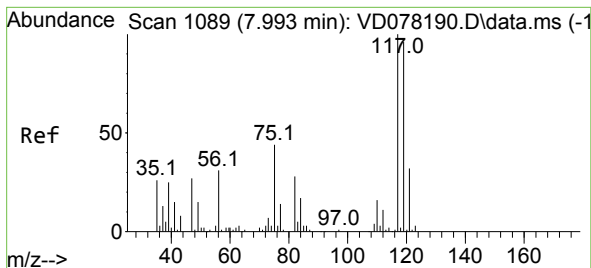
Ion Ratio Lower Upper

75 100

110 10.2 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.842 ug/l

RT: 7.881 min Scan# 10

Delta R.T. -0.112 min

Lab File: VD078213.D

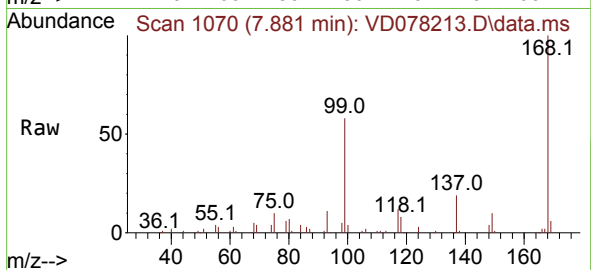
Acq: 23 Jan 2024 17:29

Instrument :

MSVOA_D

ClientSampleId :

MH-A



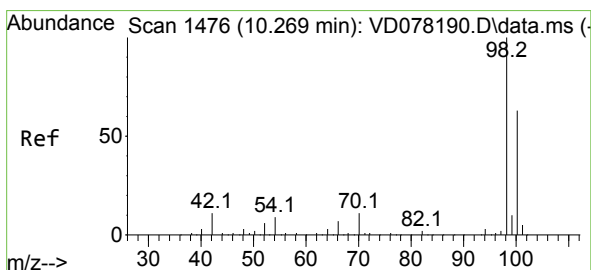
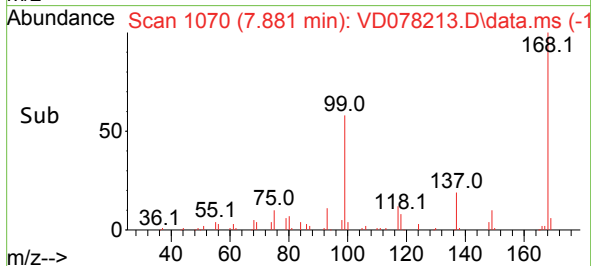
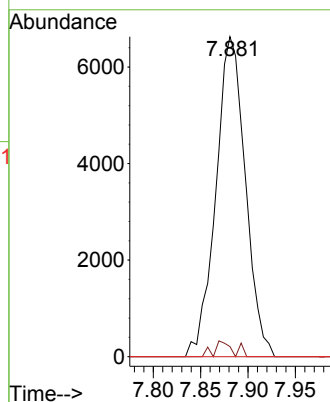
Tgt Ion:117 Resp: 14378

Ion Ratio Lower Upper

117 100

119 3.2 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 49.768 ug/l

RT: 10.275 min Scan# 1477

Delta R.T. 0.006 min

Lab File: VD078213.D

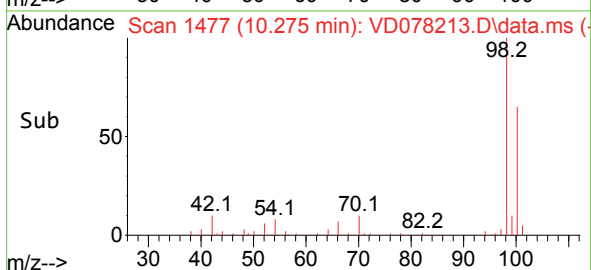
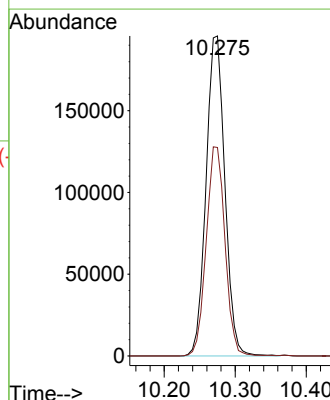
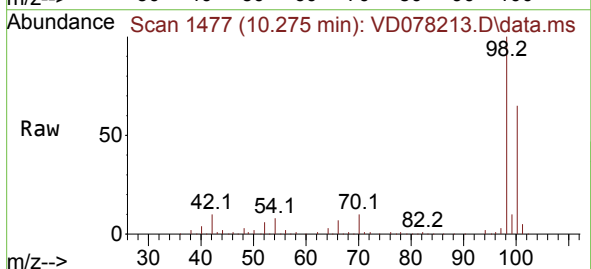
Acq: 23 Jan 2024 17:29

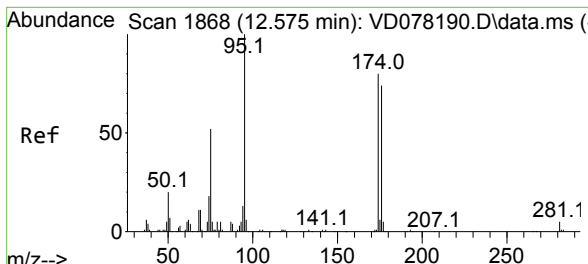
Tgt Ion: 98 Resp: 360304

Ion Ratio Lower Upper

98 100

100 65.4 50.3 75.5

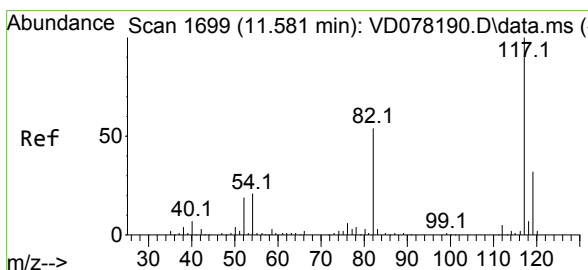
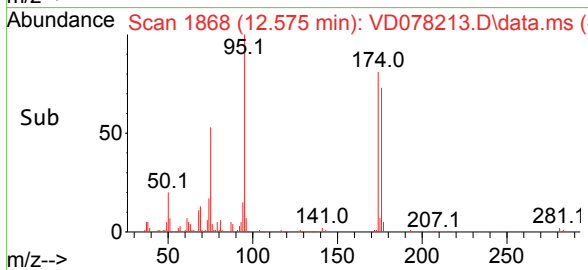
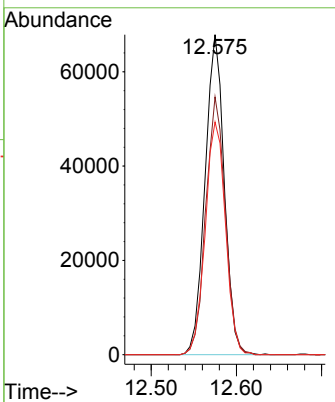
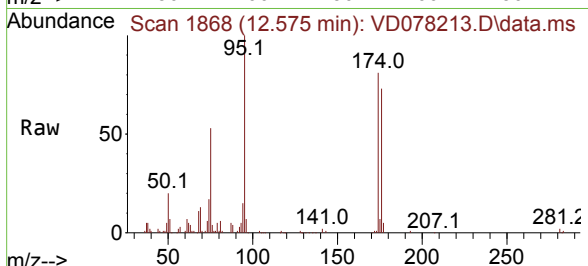




#62
 4-Bromofluorobenzene
 Concen: 50.662 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VD078213.D
 Acq: 23 Jan 2024 17:29

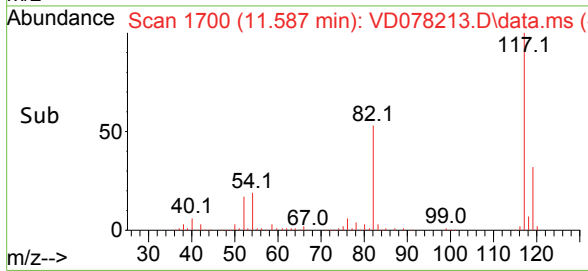
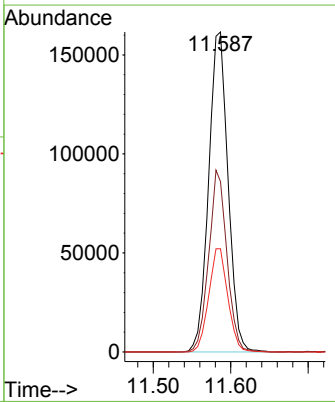
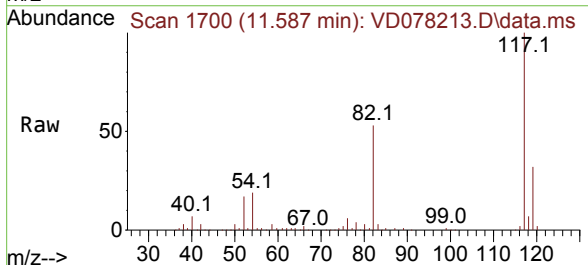
Instrument :
 MSVOA_D
 ClientSampleId :
 MH-A

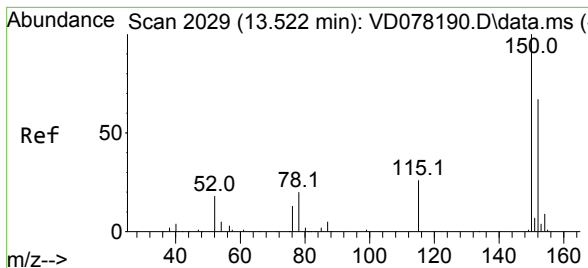
Tgt Ion:	95	Resp:	106366
Ion Ratio	Lower	Upper	
95	100		
174	82.1	0.0	201.8
176	76.6	0.0	191.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.587 min Scan# 1700
 Delta R.T. 0.006 min
 Lab File: VD078213.D
 Acq: 23 Jan 2024 17:29

Tgt Ion:	117	Resp:	281560
Ion Ratio	Lower	Upper	
117	100		
82	53.3	38.3	57.5
119	32.3	25.0	37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.006 min

Lab File: VD078213.D

Acq: 23 Jan 2024 17:29

Instrument :

MSVOA_D

ClientSampleId :

MH-A

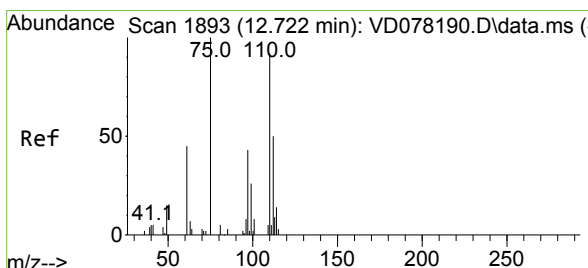
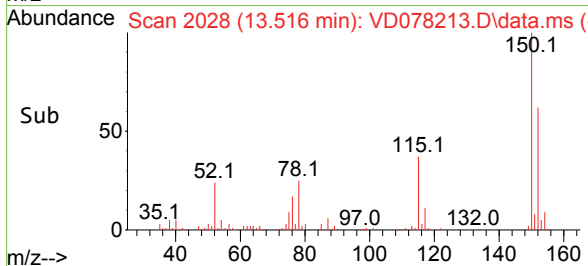
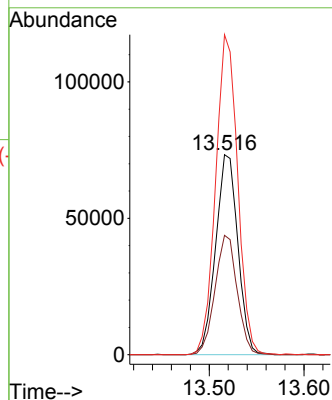
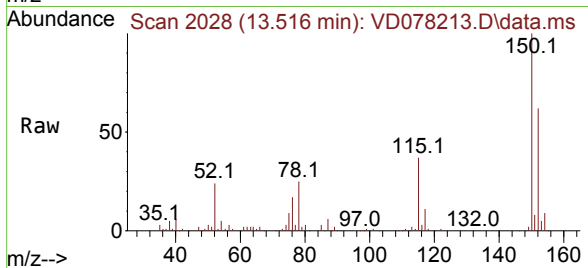
Tgt Ion:152 Resp: 119742

Ion Ratio Lower Upper

152 100

115 59.4 27.1 81.3

150 158.4 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 50.789 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078213.D

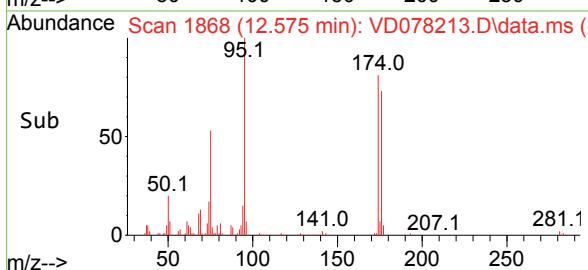
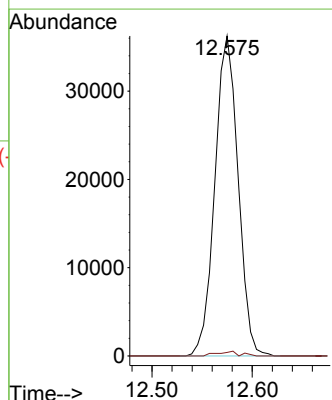
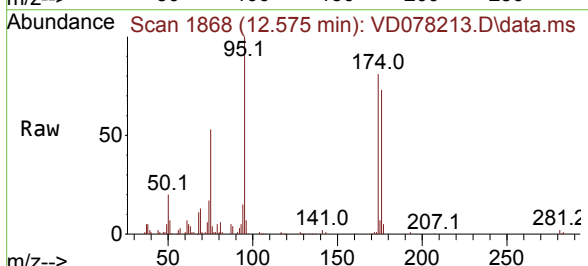
Acq: 23 Jan 2024 17:29

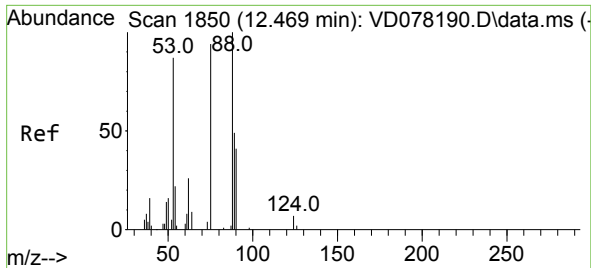
Tgt Ion: 75 Resp: 58330

Ion Ratio Lower Upper

75 100

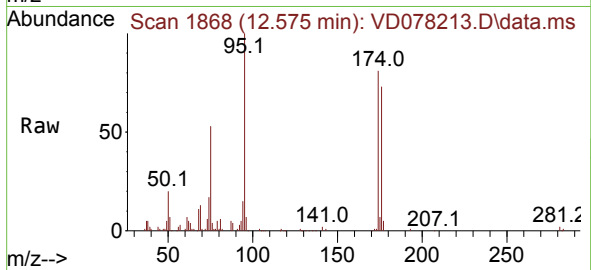
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.401 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD078213.D
 Acq: 23 Jan 2024 17:29

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-A



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#

