

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051524\
 Data File : VD078931.D
 Acq On : 15 May 2024 15:51
 Operator : RP/MD
 Sample : P2488-03
 Misc : 4.42G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-G-GRAB

Quant Time: May 16 01:25:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051324S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 14 06:21:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	93030	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	223666	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	204630	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	64577	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	53650	61.481	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.960%
35) Dibromofluoromethane	7.804	113	78867	52.971	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.940%
50) Toluene-d8	10.269	98	287425	51.496	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.000%
62) 4-Bromofluorobenzene	12.575	95	60733	38.733	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.460%

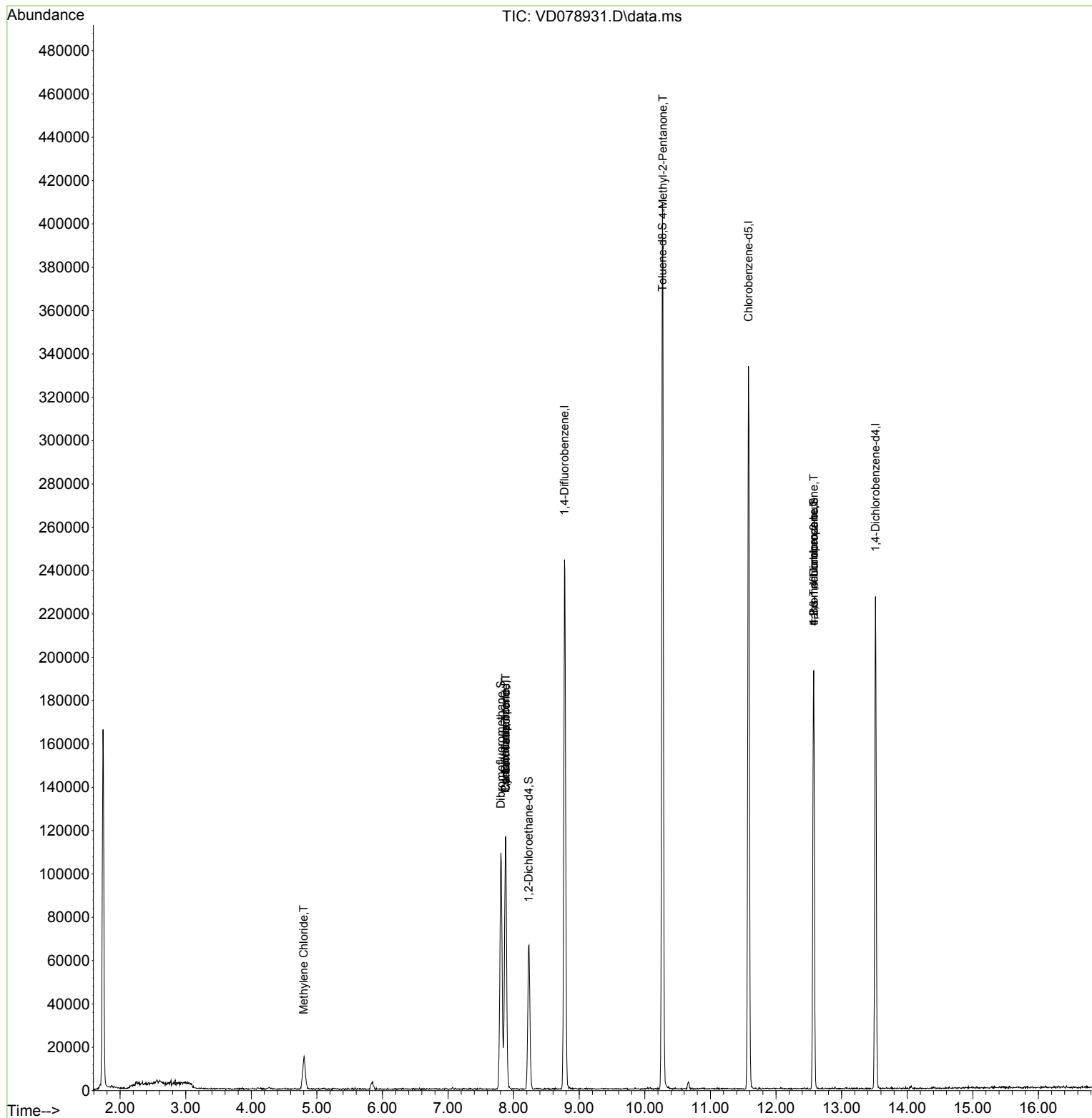
Target Compounds					Qvalue	
3) Chloromethane	2.152	50	187	Below Cal	#	54
4) Vinyl Chloride	2.287	62	55	Below Cal	#	42
17) Carbon Disulfide	4.275	76	1458	Below Cal	#	76
20) Methylene Chloride	4.799	84	11974	5.634	ug/l	95
31) Cyclohexane	7.875	56	1750	1.373	ug/l	# 45
36) 1,1-Dichloropropene	7.875	75	6586	3.555	ug/l	# 47
38) Carbon Tetrachloride	7.881	117	9313	4.295	ug/l	# 20
51) 4-Methyl-2-Pentanone	10.275	43	759	1.272	ug/l	# 1
76) 1,2,3-Trichloropropane	12.575	75	30083	66.171	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	30083	131.219	ug/l	# 19

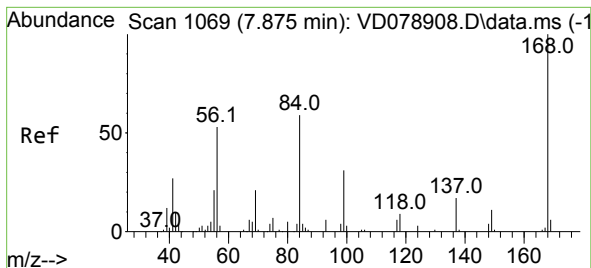
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 14 06:21:28 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD078931.D

Acq: 15 May 2024 15:51

Instrument :

MSVOA_D

ClientSampleId :

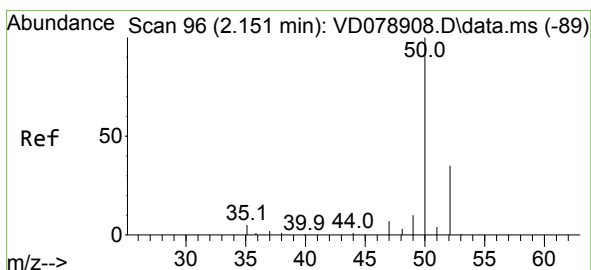
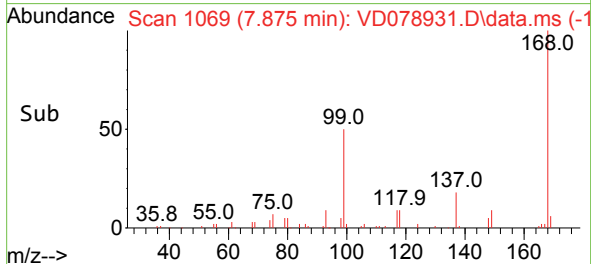
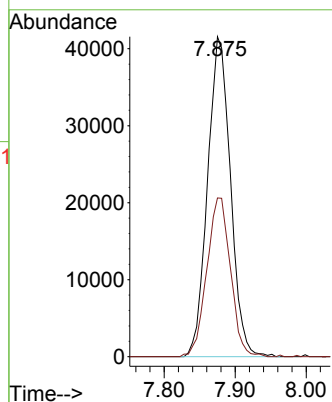
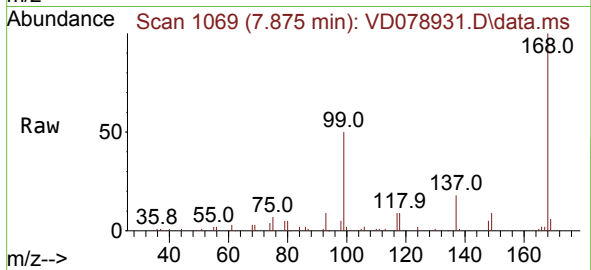
SP-G-GRAB

Tgt Ion:168 Resp: 93030

Ion Ratio Lower Upper

168 100

99 49.6 41.1 61.7



#3

Chloromethane

Concen: Below Cal

RT: 2.152 min Scan# 96

Delta R.T. 0.001 min

Lab File: VD078931.D

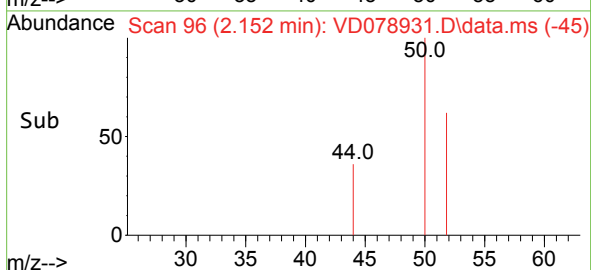
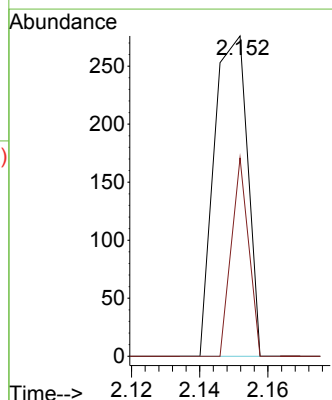
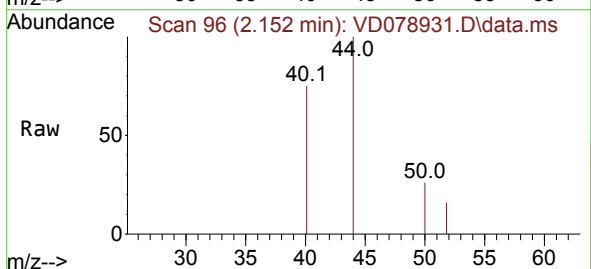
Acq: 15 May 2024 15:51

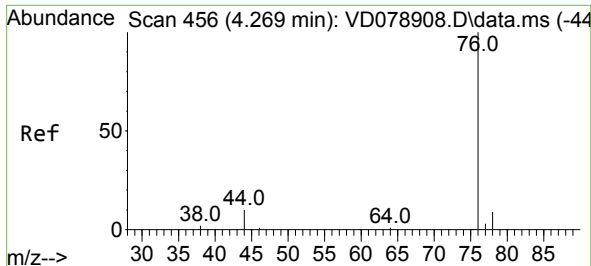
Tgt Ion: 50 Resp: 187

Ion Ratio Lower Upper

50 100

52 62.0 28.2 42.2#

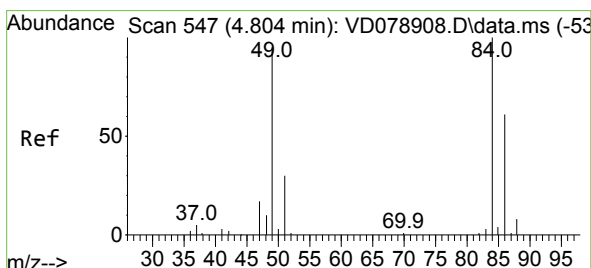
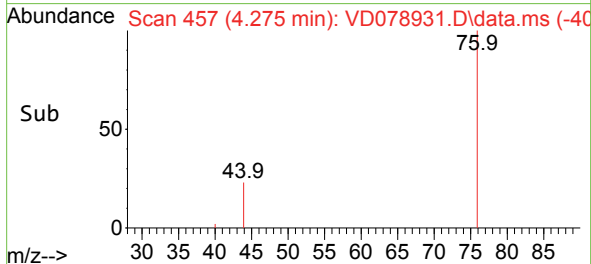
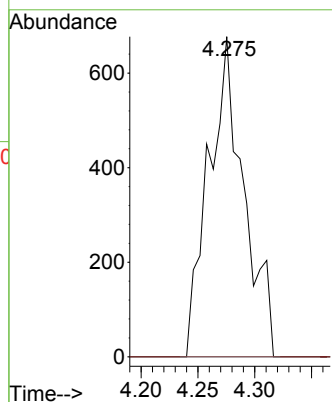
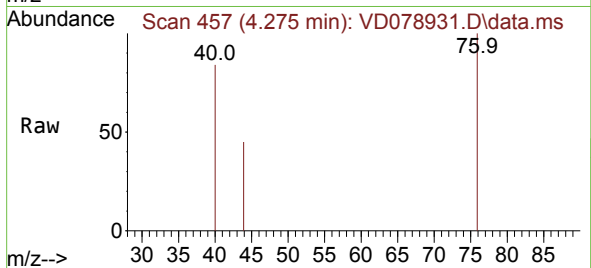




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.275 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD078931.D
Acq: 15 May 2024 15:51

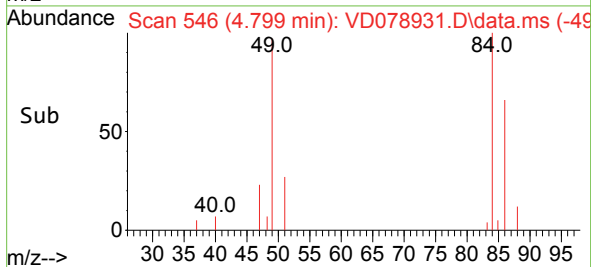
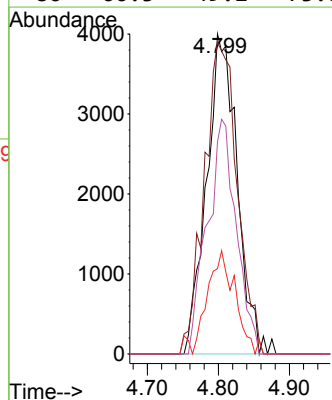
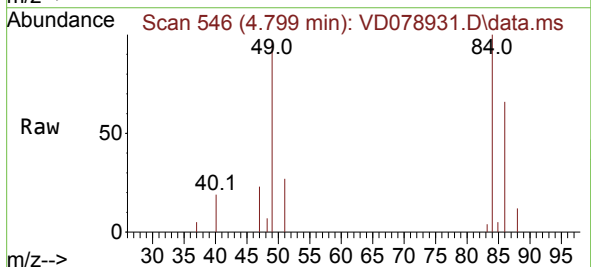
Instrument :
MSVOA_D
ClientSampleId :
SP-G-GRAB

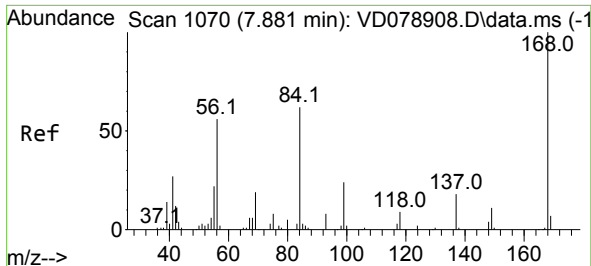
Tgt Ion: 76 Resp: 1458
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#



#20
Methylene Chloride
Concen: 5.634 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.005 min
Lab File: VD078931.D
Acq: 15 May 2024 15:51

Tgt Ion: 84 Resp: 11974
Ion Ratio Lower Upper
84 100
49 97.5 75.6 113.4
51 26.6 24.2 36.2
86 66.3 49.2 73.8

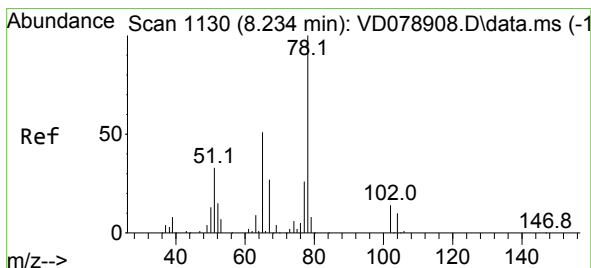
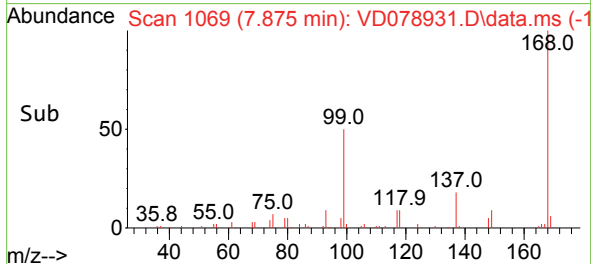
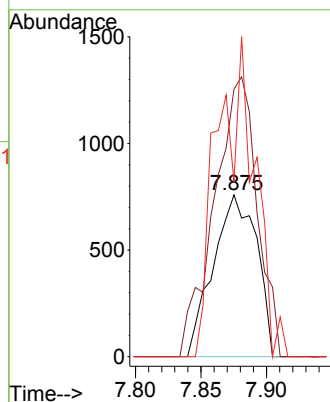
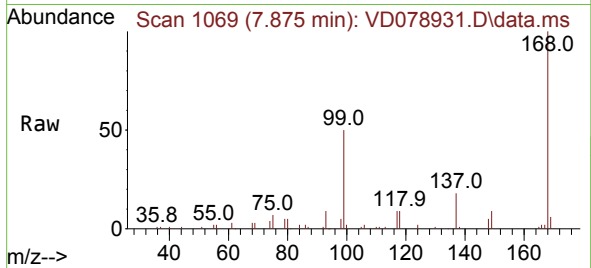




#31
Cyclohexane
Concen: 1.373 ug/l
RT: 7.875 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VD078931.D
Acq: 15 May 2024 15:51

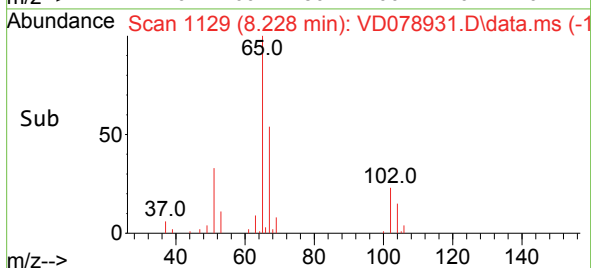
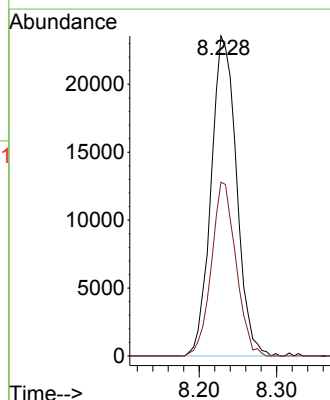
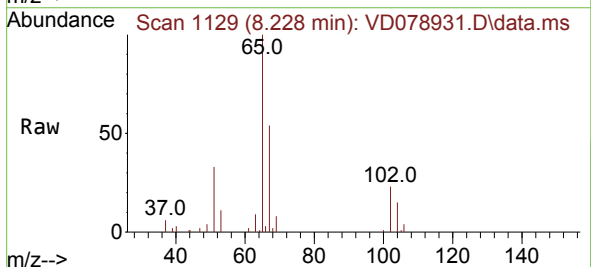
Instrument :
MSVOA_D
ClientSampleId :
SP-G-GRAB

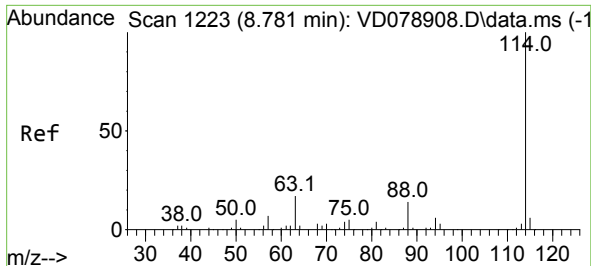
Tgt Ion: 56 Resp: 1750
Ion Ratio Lower Upper
56 100
69 165.3 28.0 42.0#
84 108.0 87.4 131.0



#33
1,2-Dichloroethane-d4
Concen: 61.481 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD078931.D
Acq: 15 May 2024 15:51

Tgt Ion: 65 Resp: 53650
Ion Ratio Lower Upper
65 100
67 52.4 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD078931.D

Acq: 15 May 2024 15:51

Instrument :

MSVOA_D

ClientSampleId :

SP-G-GRAB

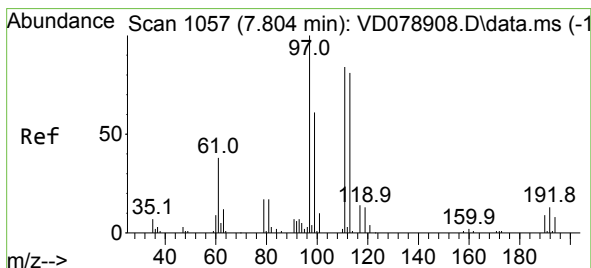
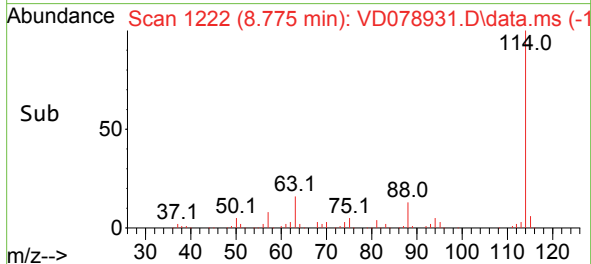
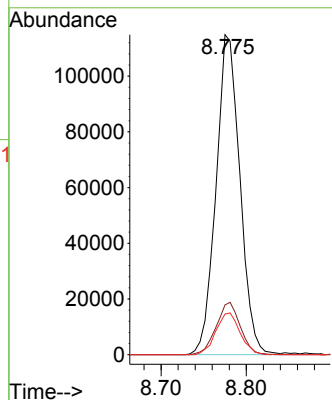
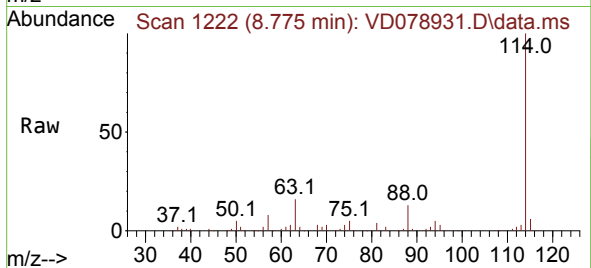
Tgt Ion:114 Resp: 223666

Ion Ratio Lower Upper

114 100

63 15.6 0.0 34.0

88 12.7 0.0 27.2



#35

Dibromofluoromethane

Concen: 52.971 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD078931.D

Acq: 15 May 2024 15:51

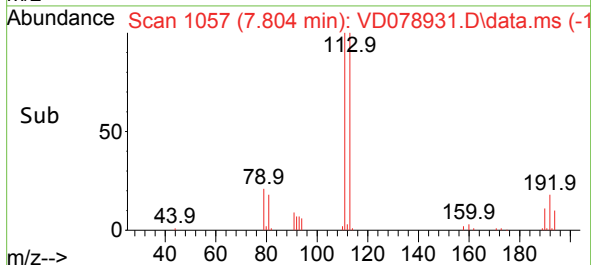
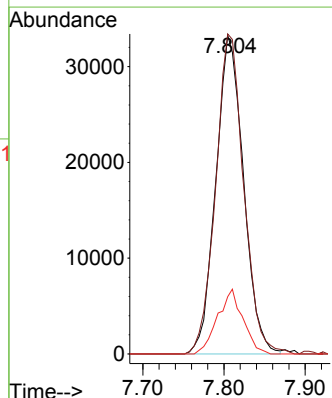
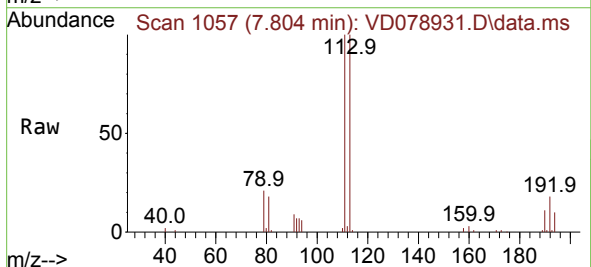
Tgt Ion:113 Resp: 78867

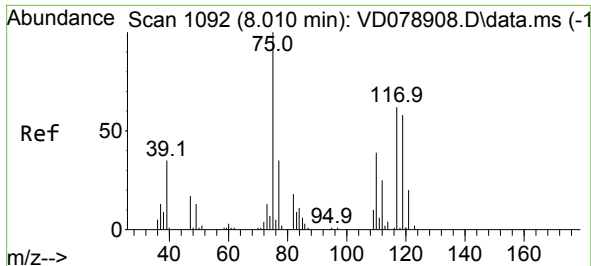
Ion Ratio Lower Upper

113 100

111 101.5 84.0 126.0

192 18.6 15.4 23.0





#36

1,1-Dichloropropene

Concen: 3.555 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD078931.D

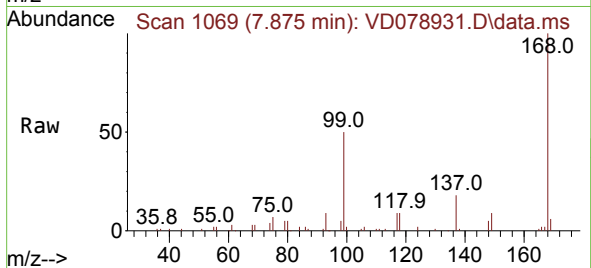
Acq: 15 May 2024 15:51

Instrument :

MSVOA_D

ClientSampleId :

SP-G-GRAB



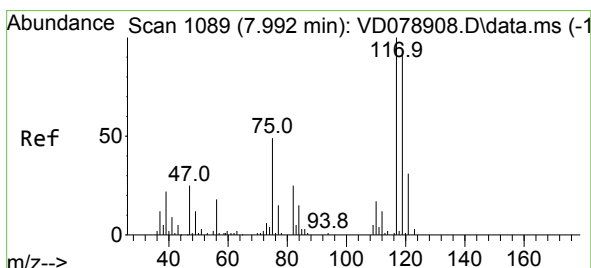
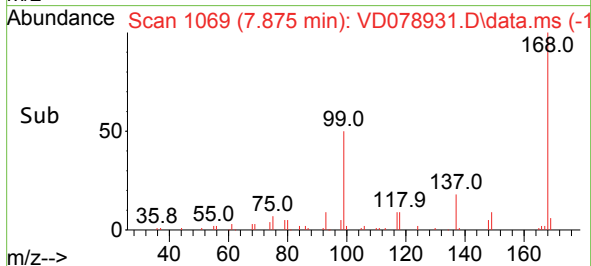
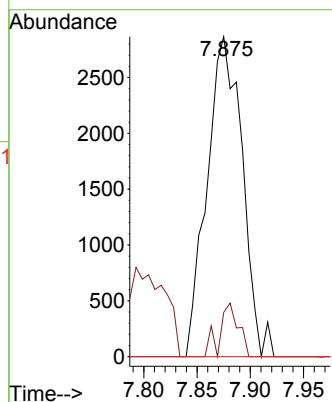
Tgt Ion: 75 Resp: 6586

Ion Ratio Lower Upper

75 100

110 9.0 19.6 58.7#

77 0.0 26.1 39.1#



#38

Carbon Tetrachloride

Concen: 4.295 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.111 min

Lab File: VD078931.D

Acq: 15 May 2024 15:51

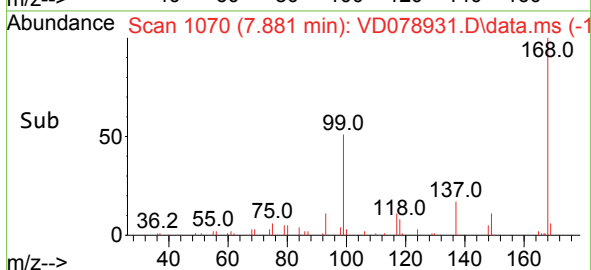
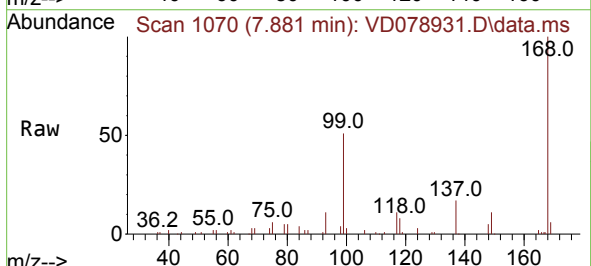
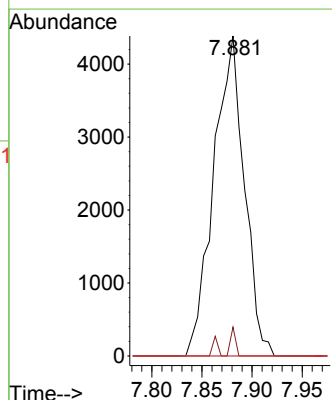
Tgt Ion: 117 Resp: 9313

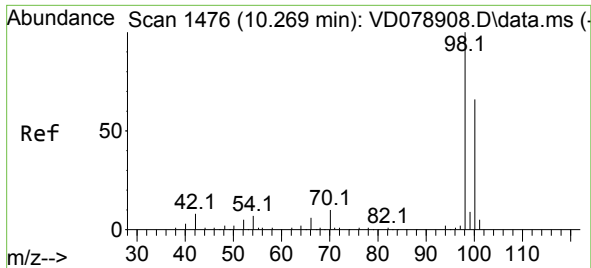
Ion Ratio Lower Upper

117 100

119 9.0 75.4 113.0#

121 0.0 25.0 37.4#

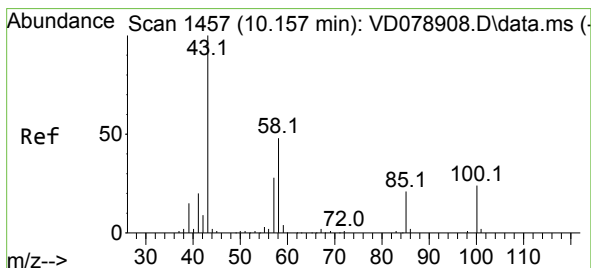
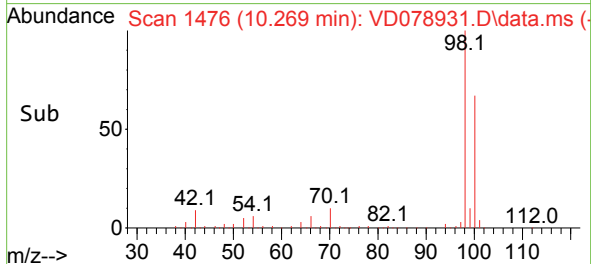
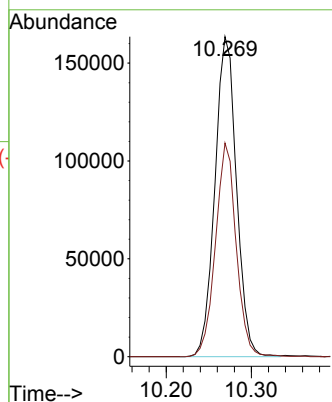
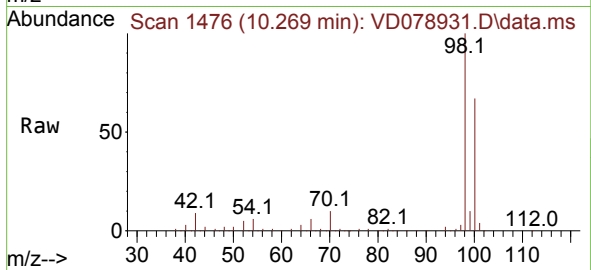




#50
Toluene-d8
Concen: 51.496 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078931.D
Acq: 15 May 2024 15:51

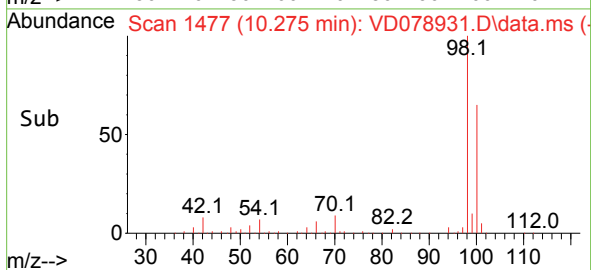
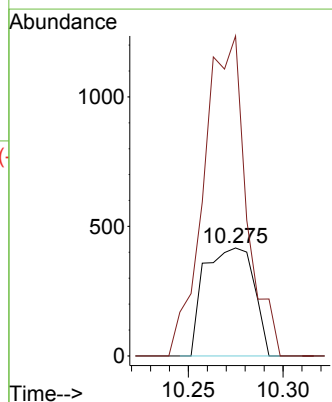
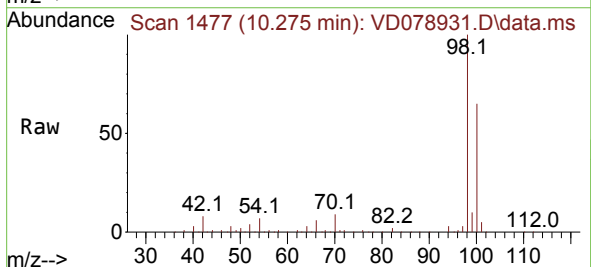
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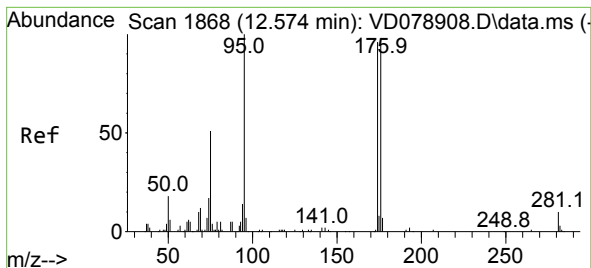
Tgt Ion: 98 Resp: 287425
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.272 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.118 min
Lab File: VD078931.D
Acq: 15 May 2024 15:51

Tgt Ion: 43 Resp: 759
Ion Ratio Lower Upper
43 100
58 254.0 36.6 55.0#

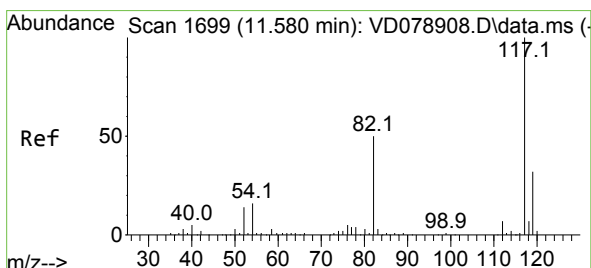
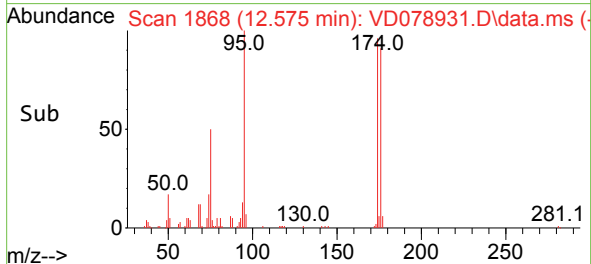
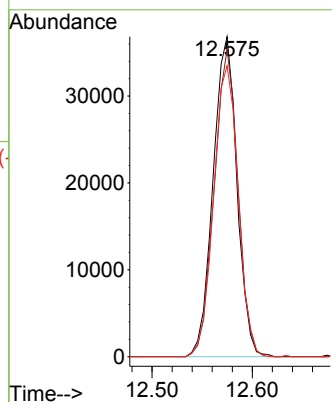
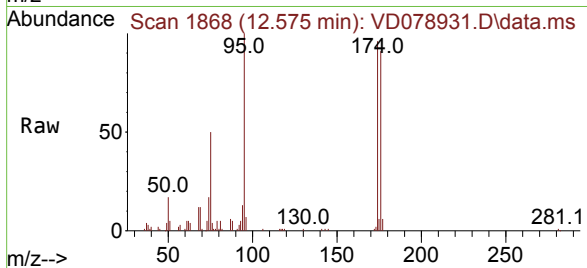




#62
4-Bromofluorobenzene
Concen: 38.733 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078931.D
Acq: 15 May 2024 15:51

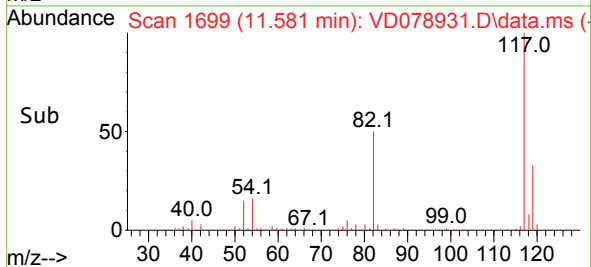
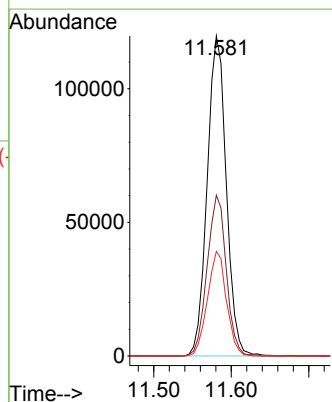
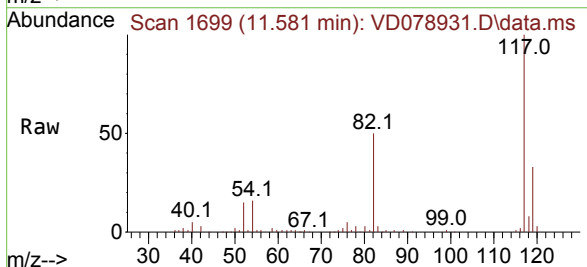
Instrument :
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ClientSampleId :
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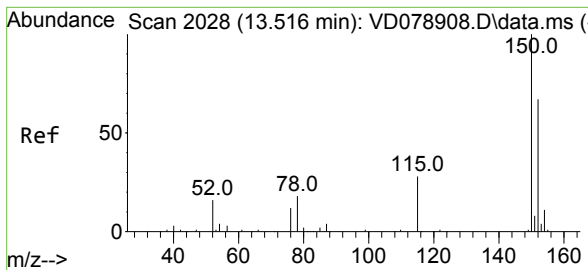
Tgt Ion: 95 Resp: 60733
Ion Ratio Lower Upper
95 100
174 95.7 0.0 195.4
176 93.5 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD078931.D
Acq: 15 May 2024 15:51

Tgt Ion: 117 Resp: 204630
Ion Ratio Lower Upper
117 100
82 50.3 39.8 59.6
119 32.7 25.7 38.5

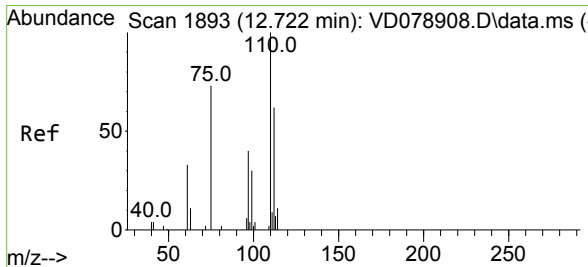
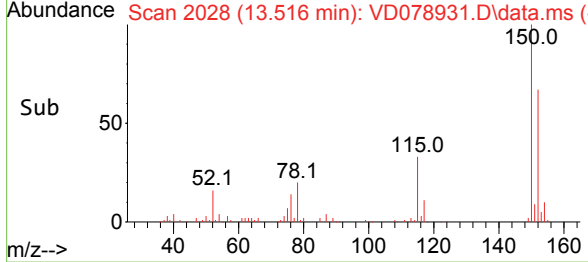
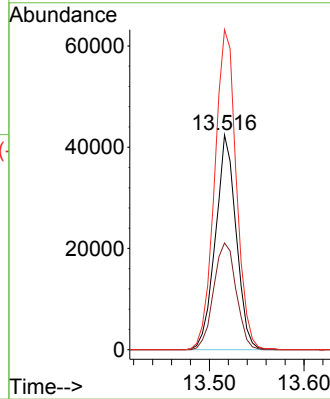
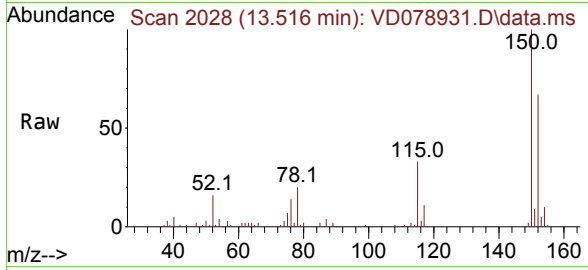




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD078931.D
 Acq: 15 May 2024 15:51

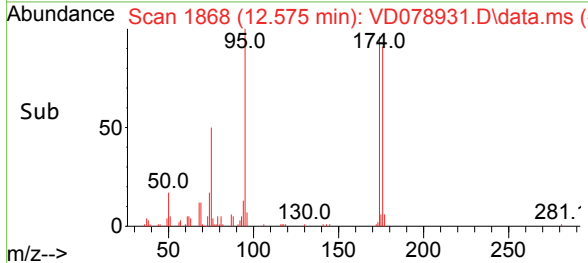
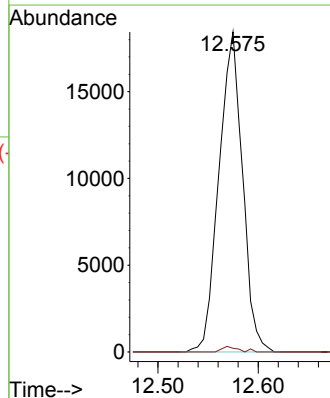
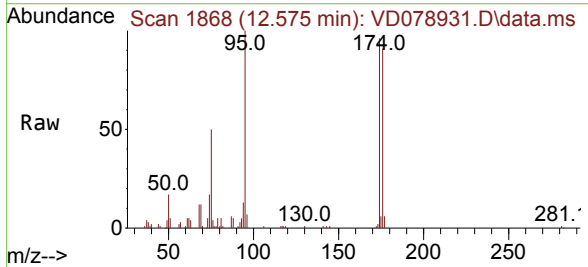
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-G-GRAB

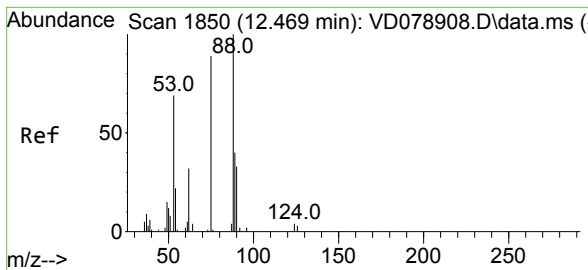
Tgt Ion:152 Resp: 64577
 Ion Ratio Lower Upper
 152 100
 115 54.0 26.5 79.5
 150 155.7 0.0 341.6



#76
 1,2,3-Trichloropropane
 Concen: 66.171 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD078931.D
 Acq: 15 May 2024 15:51

Tgt Ion: 75 Resp: 30083
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.219 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD078931.D
 Acq: 15 May 2024 15:51

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-G-GRAB

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.4	92.2#
89	0.0	35.4	53.0#

