

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100821\
 Data File : VD070635.D
 Acq On : 08 Oct 2021 13:28
 Operator : VA/SY
 Sample : M4134-01
 Misc : 5.24G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 11 02:22:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

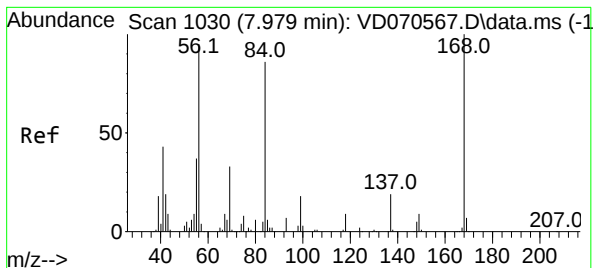
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	385834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	722454	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	652218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	238865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	214305	47.196	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.400%		
35) Dibromofluoromethane	7.914	113	237017	49.345	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.680%		
50) Toluene-d8	10.337	98	918756	50.035	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.060%		
62) 4-Bromofluorobenzene	12.626	95	255332	41.604	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	83.200%		
Target Compounds						
5) Bromomethane	2.779	94	1226	Below Cal	#	79
16) Acetone	4.179	43	903	1.171	ug/l #	40
20) Methylene Chloride	4.961	84	42243	Below Cal		86
31) Cyclohexane	7.973	56	8974	1.067	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	33706	4.393	ug/l #	50
38) Carbon Tetrachloride	7.979	117	42699	5.318	ug/l #	19
51) 4-Methyl-2-Pentanone	10.332	43	2776	1.152	ug/l #	1
56) Ethyl methacrylate	10.655	69	243	1.423	ug/l #	32
59) 2-Hexanone	10.996	43	68	Below Cal	#	20
71) Bromoform	12.620	173	2511	1.034	ug/l #	28
76) 1,2,3-Trichloropropane	12.626	75	123998	57.354	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	123998	127.335	ug/l #	17
95) Naphthalene	15.384	128	354	2.534	ug/l #	69

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

Quant Time: Oct 11 02:22:29 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 06 09:10:31 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD070635.D

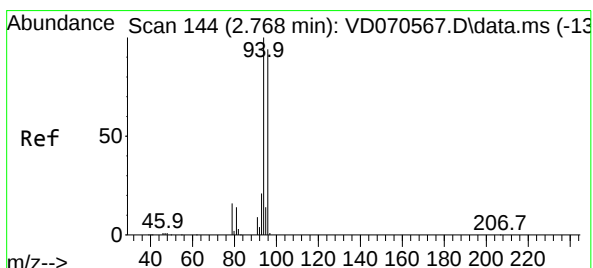
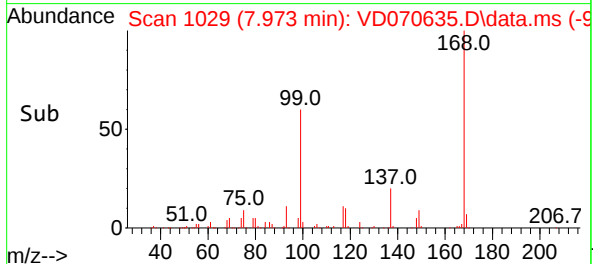
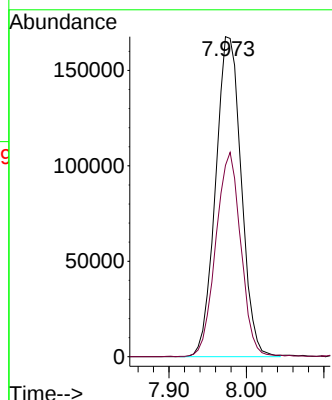
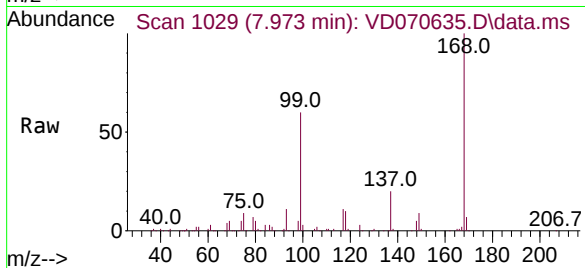
Acq: 08 Oct 2021 13:28

Tgt Ion:168 Resp: 385834

Ion Ratio Lower Upper

168 100

99 59.7 51.4 77.0



#5

Bromomethane

Concen: Below Cal

RT: 2.779 min Scan# 146

Delta R.T. 0.011 min

Lab File: VD070635.D

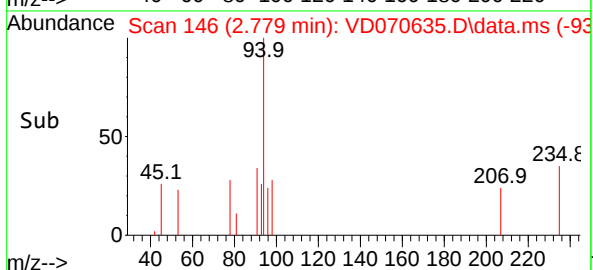
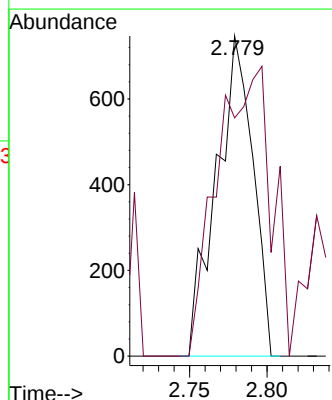
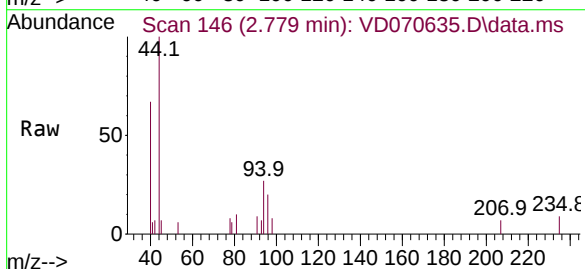
Acq: 08 Oct 2021 13:28

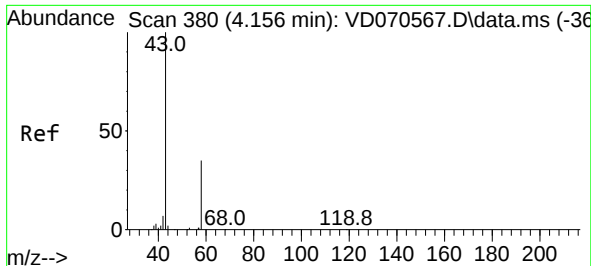
Tgt Ion: 94 Resp: 1226

Ion Ratio Lower Upper

94 100

96 74.4 75.5 113.3#

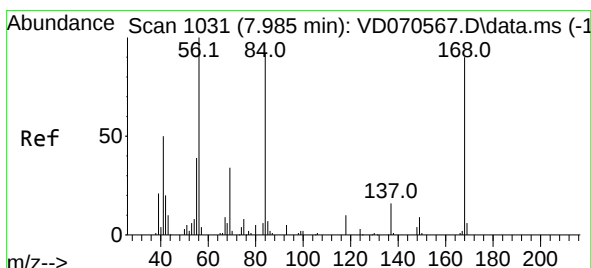
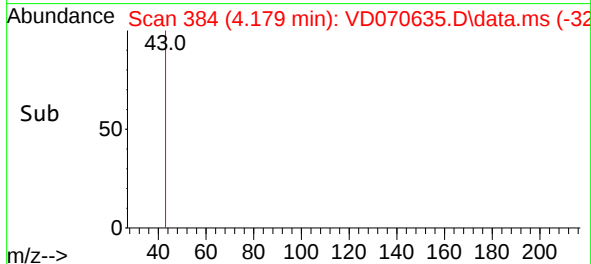
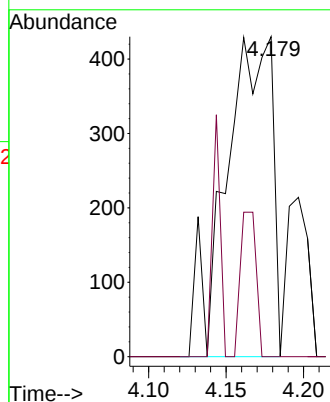
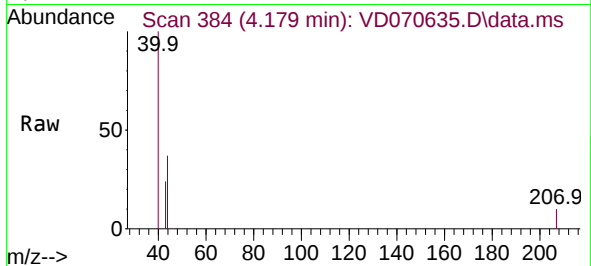




#16
Acetone
Concen: 1.171 ug/l
RT: 4.179 min Scan# 384
Delta R.T. 0.023 min
Lab File: VD070635.D
Acq: 08 Oct 2021 13:28

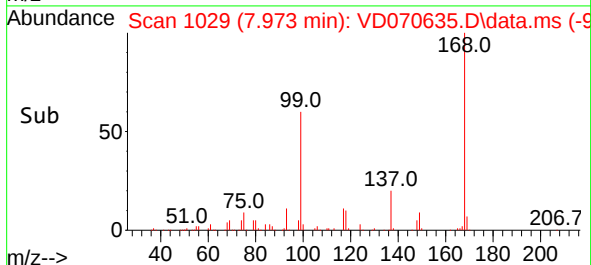
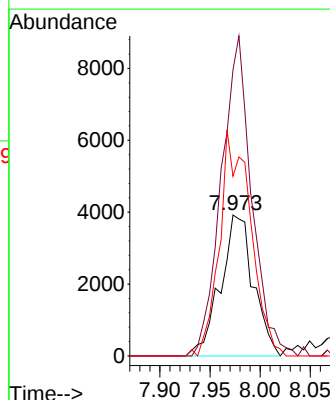
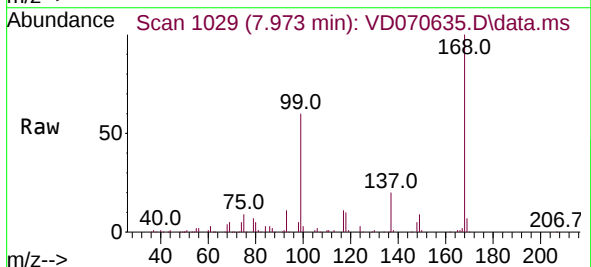
Instrument :
MSVOA_D
ClientSampled :

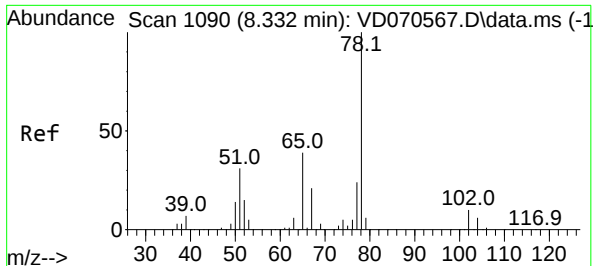
Tgt Ion: 43 Resp: 903
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#



#31
Cyclohexane
Concen: 1.067 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070635.D
Acq: 08 Oct 2021 13:28

Tgt Ion: 56 Resp: 8974
Ion Ratio Lower Upper
56 100
69 203.0 27.4 41.2#
84 127.5 73.6 110.4#



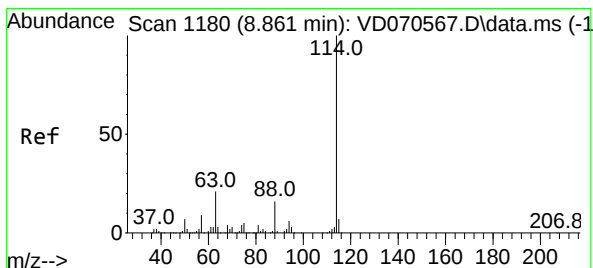
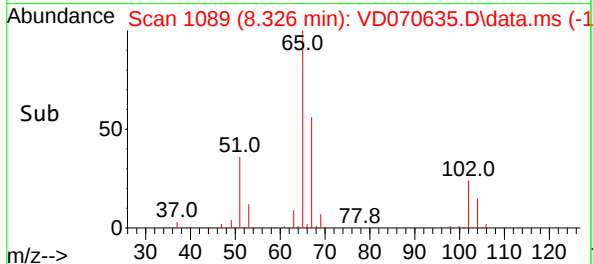
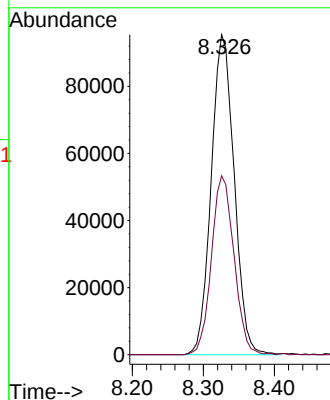
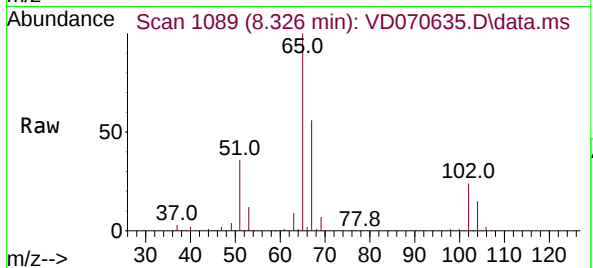


#33

1,2-Dichloroethane-d4
Concen: 47.196 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070635.D
Acq: 08 Oct 2021 13:28

Instrument :
MSVOA_D
ClientSampleId :

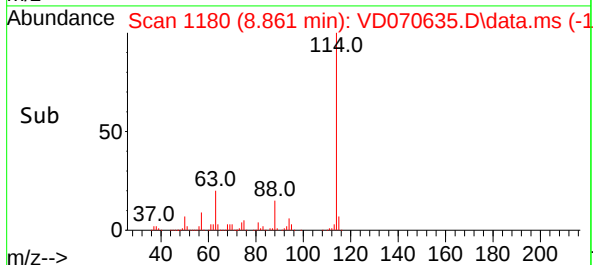
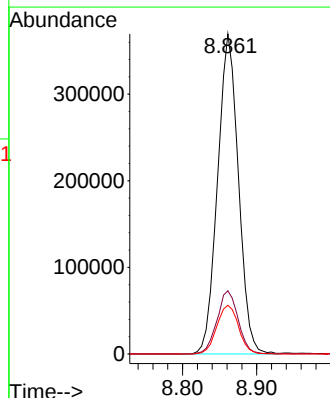
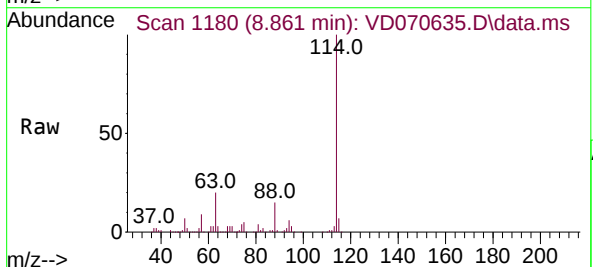
Tgt Ion: 65 Resp: 214305
Ion Ratio Lower Upper
65 100
67 54.9 0.0 110.2

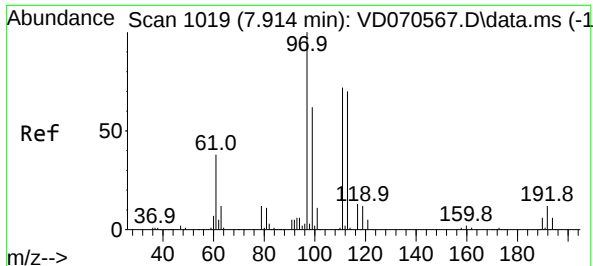


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070635.D
Acq: 08 Oct 2021 13:28

Tgt Ion: 114 Resp: 722454
Ion Ratio Lower Upper
114 100
63 19.8 0.0 41.8
88 15.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.345 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070635.D

Acq: 08 Oct 2021 13:28

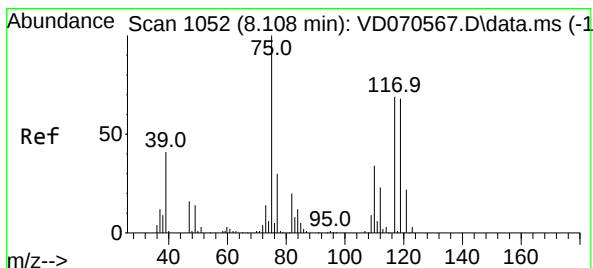
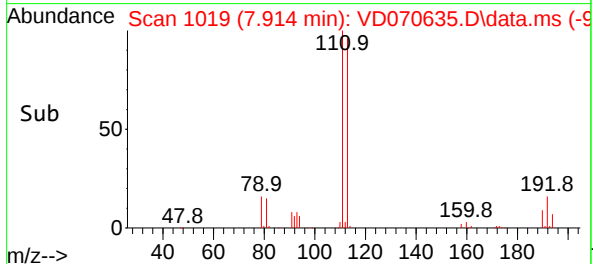
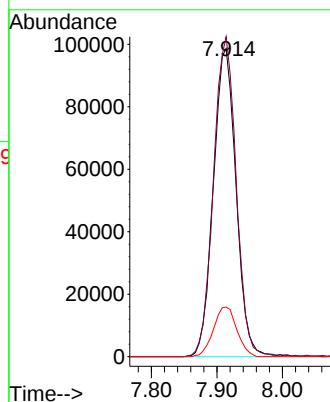
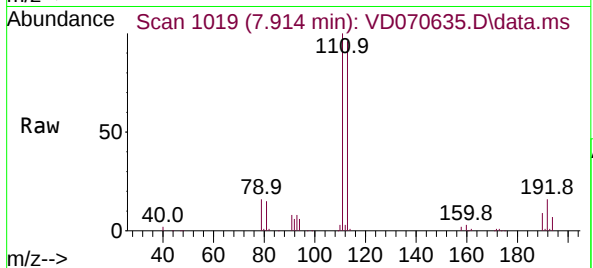
Tgt Ion:113 Resp: 237017

Ion Ratio Lower Upper

113 100

111 103.7 83.1 124.7

192 16.6 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.393 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD070635.D

Acq: 08 Oct 2021 13:28

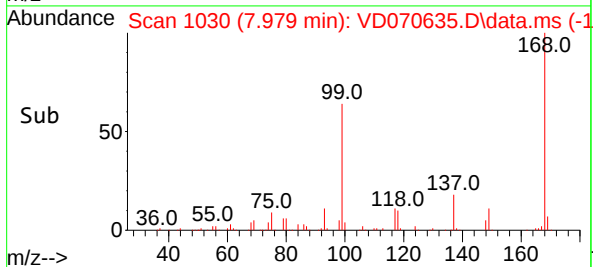
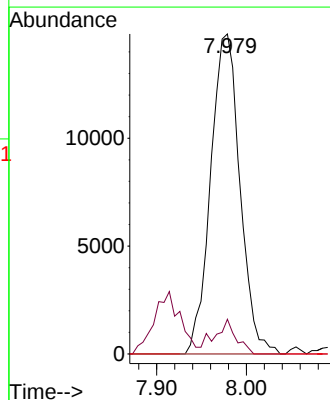
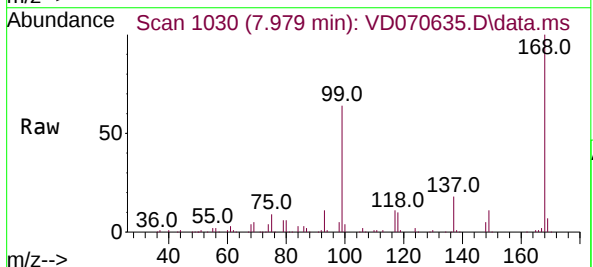
Tgt Ion: 75 Resp: 33706

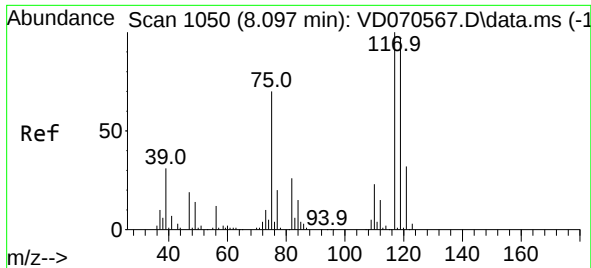
Ion Ratio Lower Upper

75 100

110 8.1 17.2 51.6#

77 0.0 24.2 36.4#

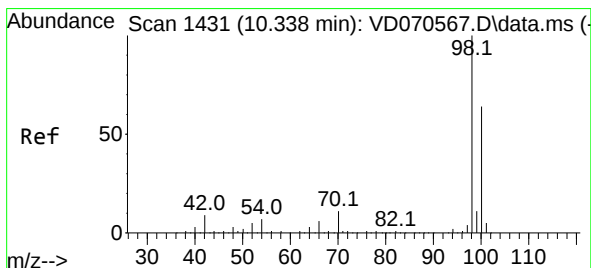
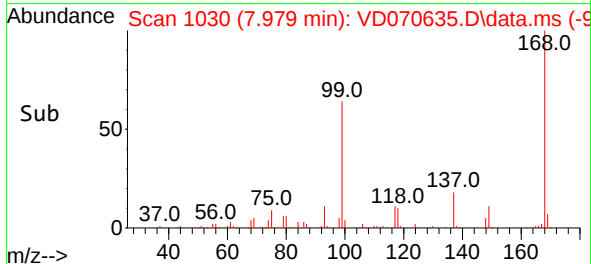
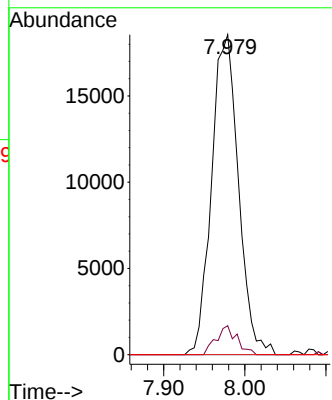
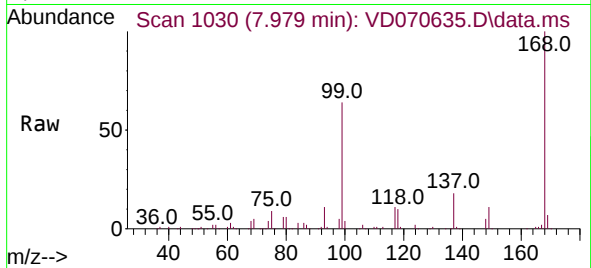




#38
Carbon Tetrachloride
Concen: 5.318 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070635.D
Acq: 08 Oct 2021 13:28

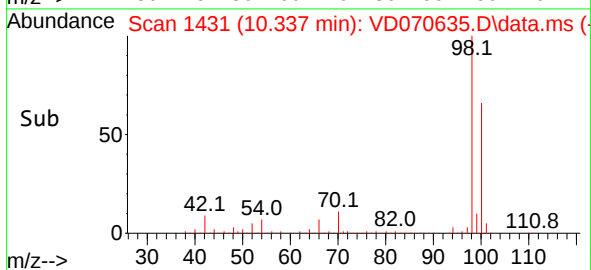
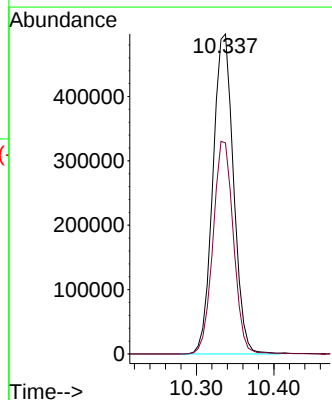
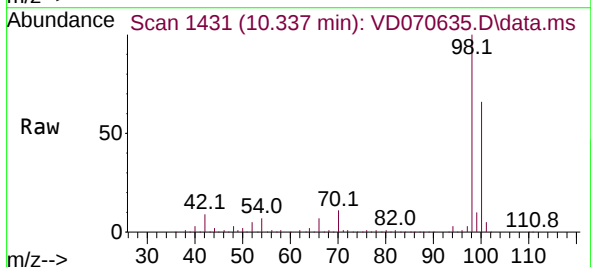
Instrument :
MSVOA_D
ClientSampled :

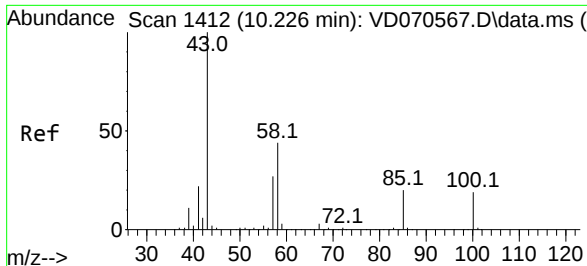
Tgt Ion:117 Resp: 42699
Ion Ratio Lower Upper
117 100
119 9.0 77.4 116.0#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 50.035 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070635.D
Acq: 08 Oct 2021 13:28

Tgt Ion: 98 Resp: 918756
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.4

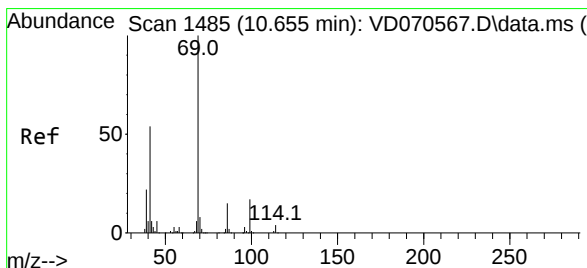
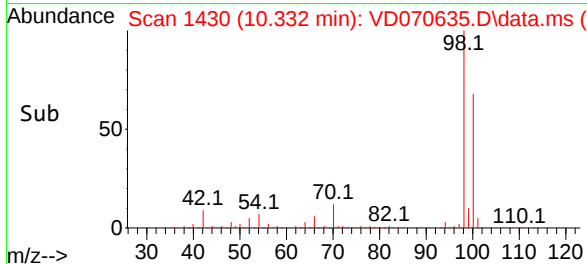
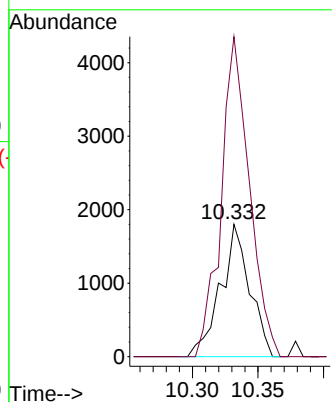
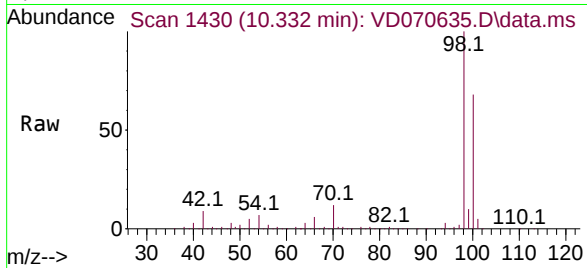




#51
4-Methyl-2-Pentanone
Concen: 1.152 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD070635.D
Acq: 08 Oct 2021 13:28

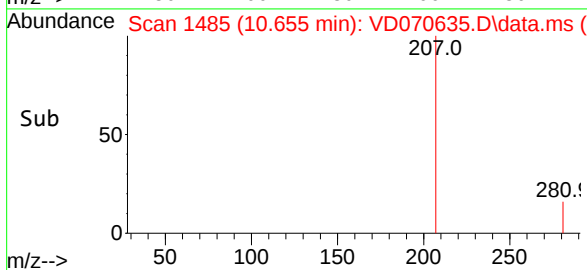
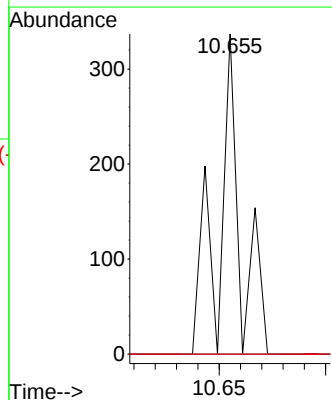
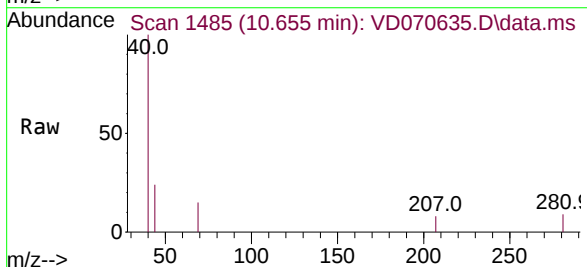
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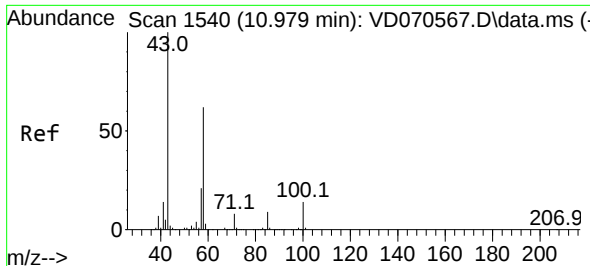
Tgt Ion: 43 Resp: 2776
Ion Ratio Lower Upper
43 100
58 235.3 35.0 52.6#



#56
Ethyl methacrylate
Concen: 1.423 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD070635.D
Acq: 08 Oct 2021 13:28

Tgt Ion: 69 Resp: 243
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 0.0 19.5 29.3#

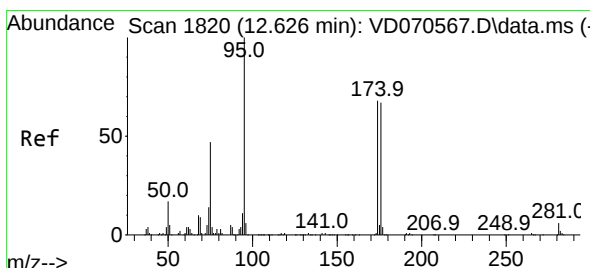
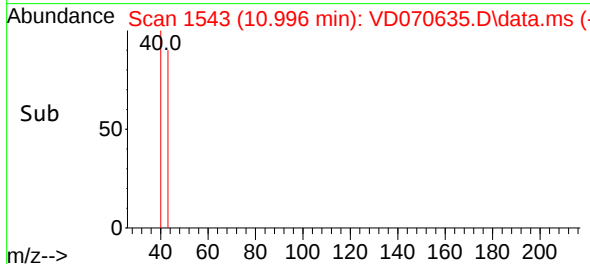
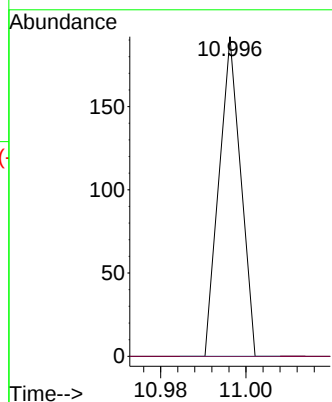
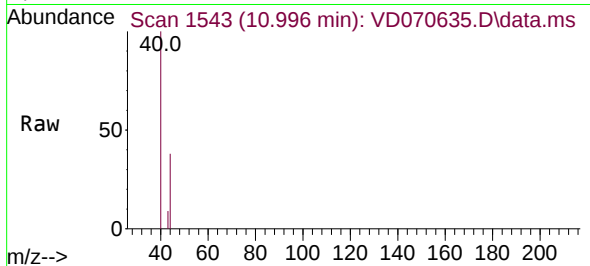




#59
2-Hexanone
Concen: Below Cal
RT: 10.996 min Scan# 1543
Delta R.T. 0.017 min
Lab File: VD070635.D
Acq: 08 Oct 2021 13:28

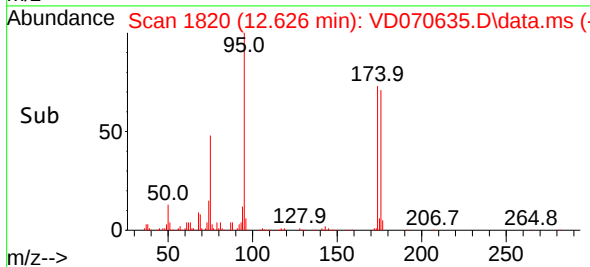
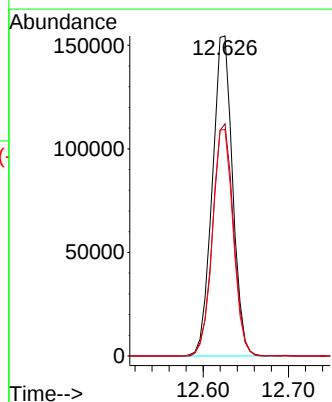
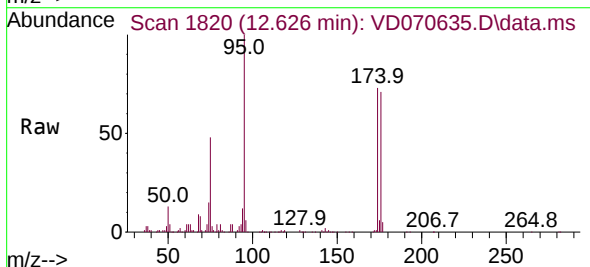
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MSVOA_D
ClientSampleId :

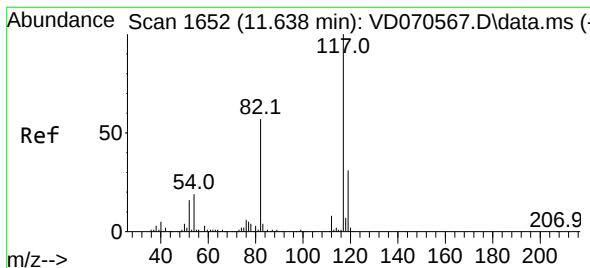
Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 41.604 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070635.D
Acq: 08 Oct 2021 13:28

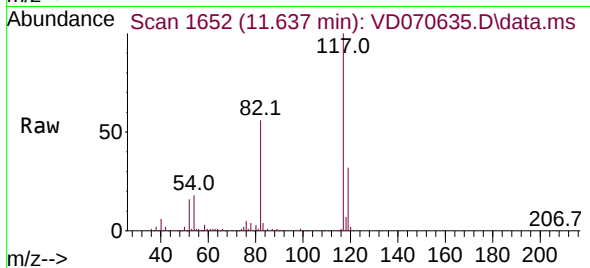
Tgt Ion: 95 Resp: 255332
Ion Ratio Lower Upper
95 100
174 74.4 0.0 138.0
176 72.4 0.0 135.6



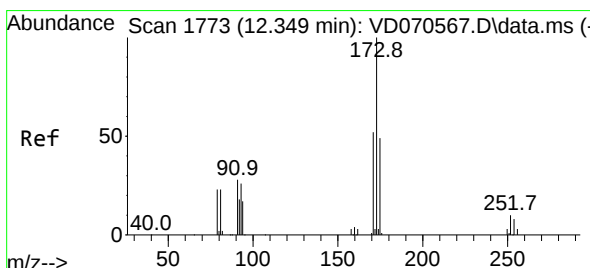
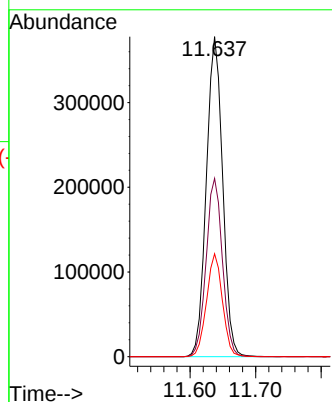
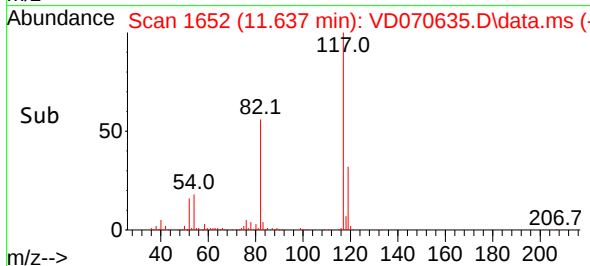


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070635.D
Acq: 08 Oct 2021 13:28

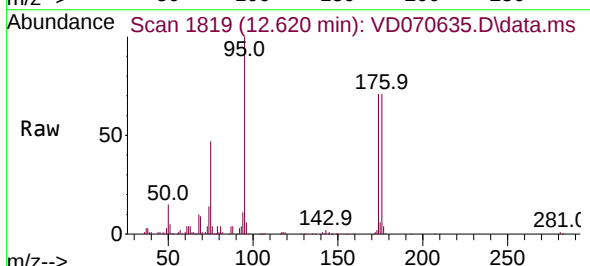
Instrument :
MSVOA_D
ClientSampleId :



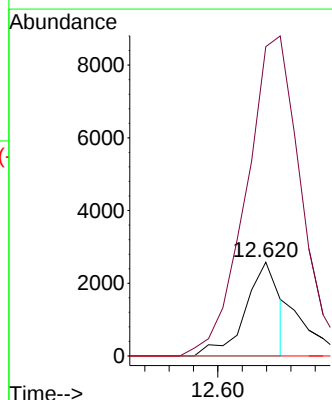
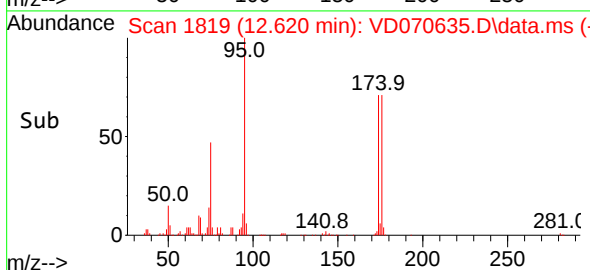
Tgt Ion:117 Resp: 652218
Ion Ratio Lower Upper
117 100
82 55.7 45.4 68.2
119 32.2 24.7 37.1

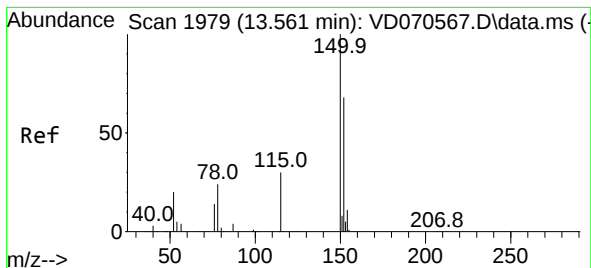


#71
Bromoform
Concen: 1.034 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.270 min
Lab File: VD070635.D
Acq: 08 Oct 2021 13:28



Tgt Ion:173 Resp: 2511
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.4#
254 0.0 0.0 0.0

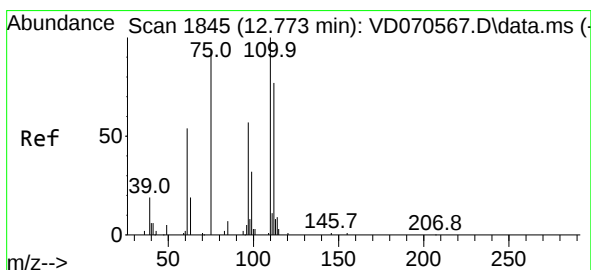
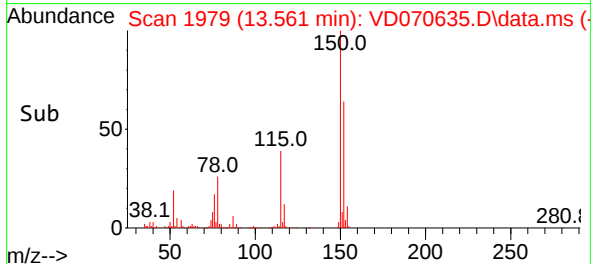
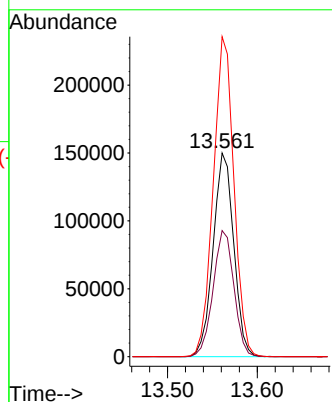
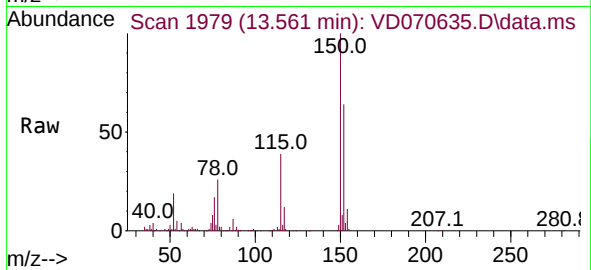




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070635.D
Acq: 08 Oct 2021 13:28

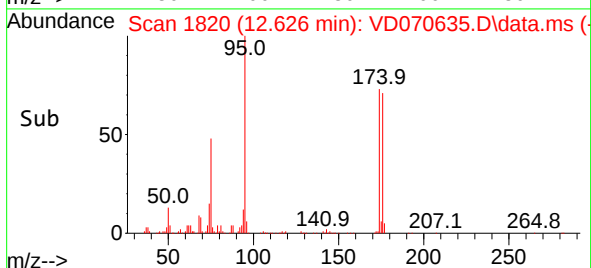
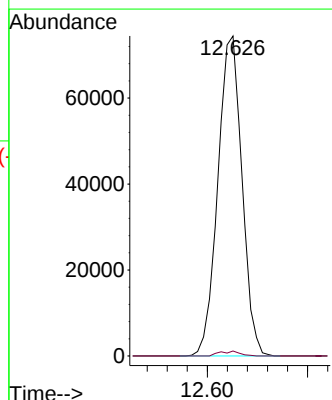
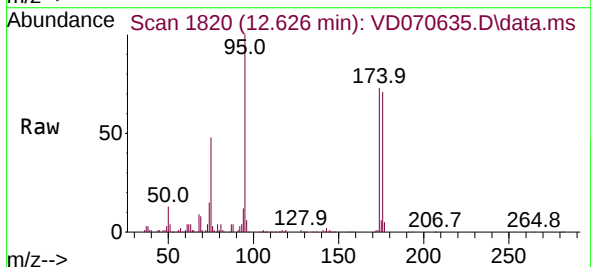
Instrument :
MSVOA_D
ClientSampleId :

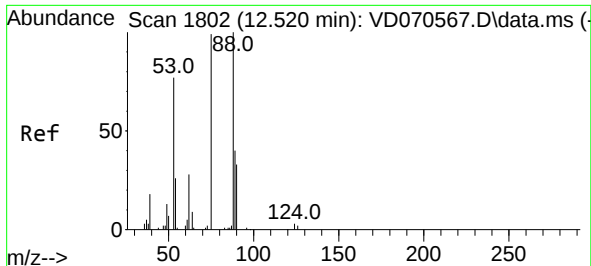
Tgt Ion:152 Resp: 238865
Ion Ratio Lower Upper
152 100
115 62.6 31.9 95.7
150 157.4 0.0 350.0



#76
1,2,3-Trichloropropane
Concen: 57.354 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070635.D
Acq: 08 Oct 2021 13:28

Tgt Ion: 75 Resp: 123998
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

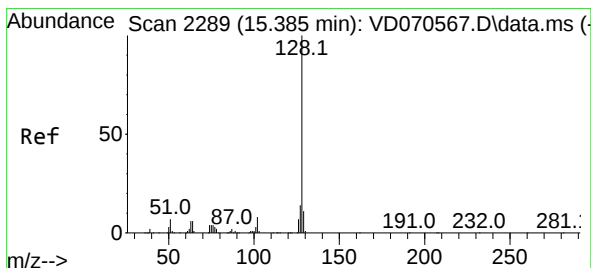
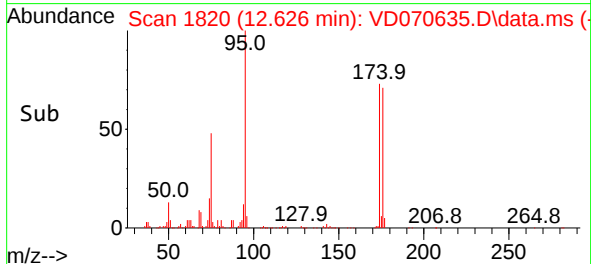
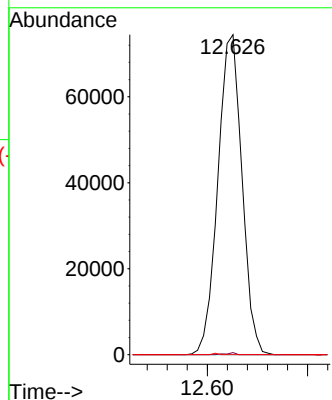
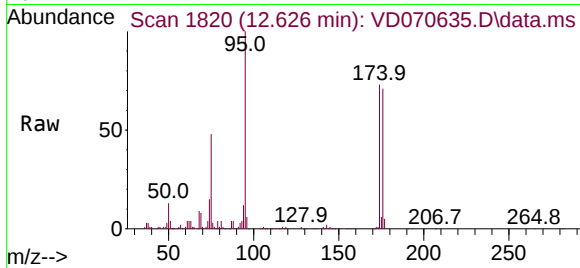




#81
trans-1,4-Dichloro-2-butene
Concen: 127.335 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070635.D
Acq: 08 Oct 2021 13:28

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 123998
Ion Ratio Lower Upper
75 100
53 0.2 64.5 96.7#
89 0.1 35.3 52.9#



#95
Naphthalene
Concen: 2.534 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD070635.D
Acq: 08 Oct 2021 13:28

Tgt Ion:128 Resp: 354
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

