

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101321\
 Data File : VD070702.D
 Acq On : 13 Oct 2021 17:17
 Operator : VA/SY
 Sample : M4191-03
 Misc : 4.79G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 14 04:04:47 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)

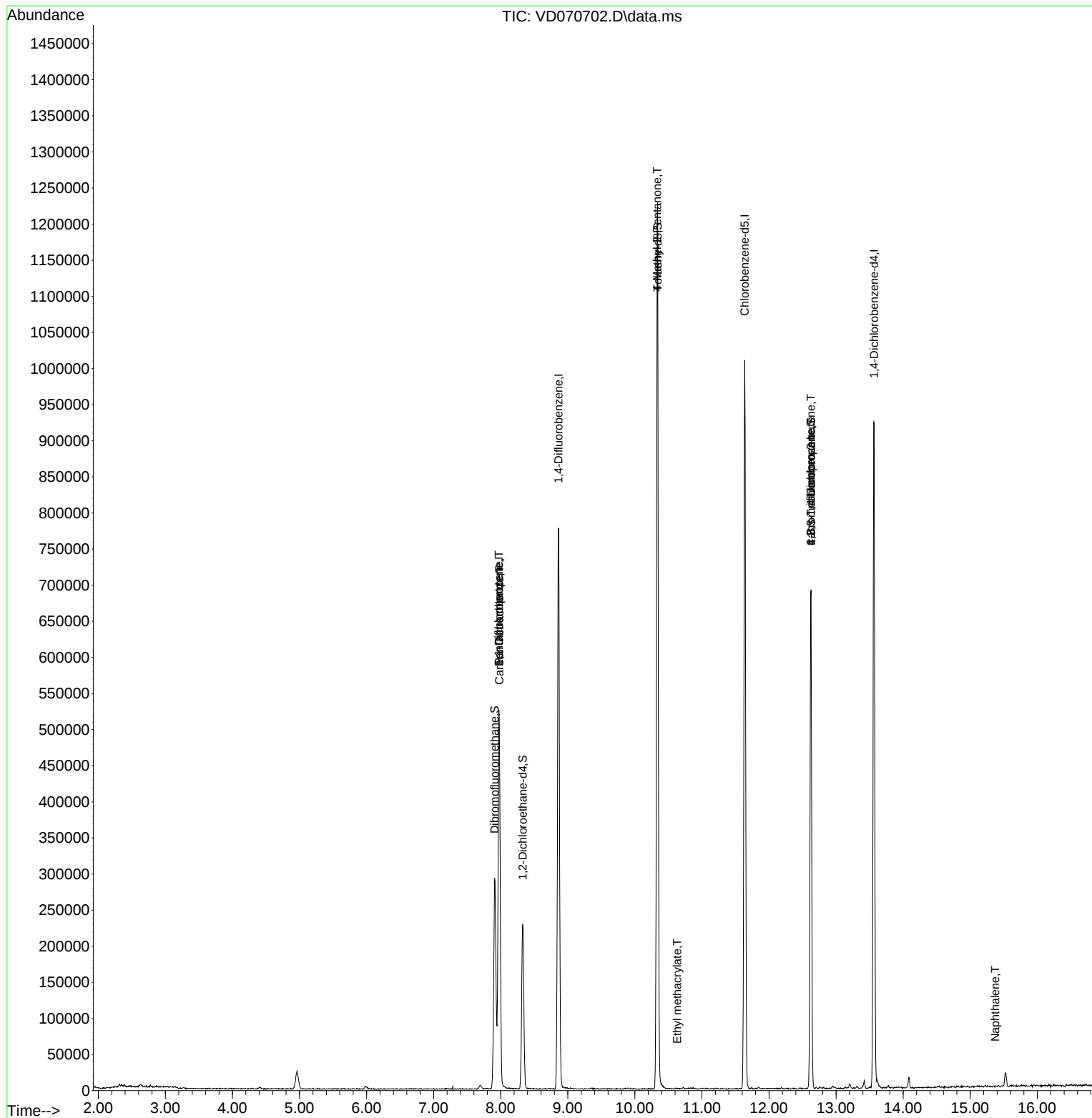
Internal Standards						
1) Pentafluorobenzene	7.973	168	370838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	688082	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	617121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	258067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	185247	42.446	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.900%		
35) Dibromofluoromethane	7.909	113	213497	46.668	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.340%		
50) Toluene-d8	10.338	98	872218	49.873	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.740%		
62) 4-Bromofluorobenzene	12.626	95	251665	43.055	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	86.120%		
Target Compounds						
5) Bromomethane	2.785	94	1375	Below Cal	#	52
20) Methylene Chloride	4.968	84	19572	Below Cal	#	83
36) 1,1-Dichloropropene	7.973	75	30839	4.220	ug/l #	50
38) Carbon Tetrachloride	7.979	117	41230	5.391	ug/l #	16
51) 4-Methyl-2-Pentanone	10.332	43	2580	1.124	ug/l #	1
56) Ethyl methacrylate	10.632	69	281	1.433	ug/l #	32
59) 2-Hexanone	11.132	43	59	Below Cal	#	20
76) 1,2,3-Trichloropropane	12.626	75	114177	48.882	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	114177	108.526	ug/l #	17
95) Naphthalene	15.373	128	260	2.520	ug/l #	69

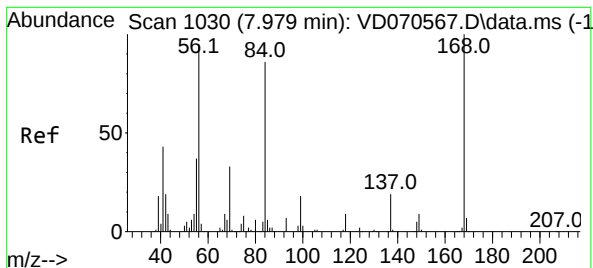
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD070702.D

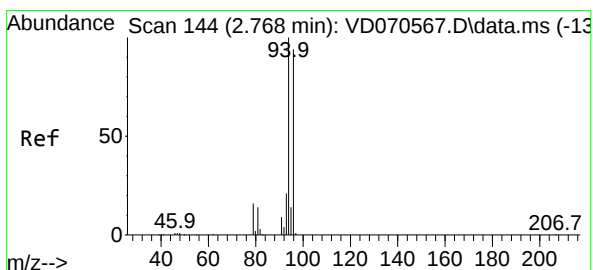
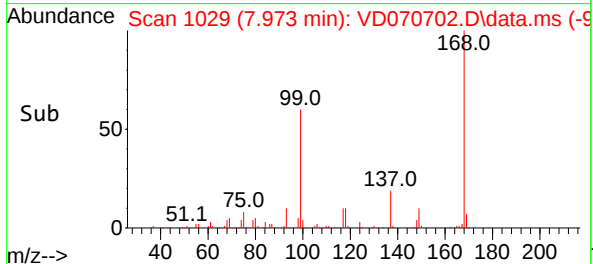
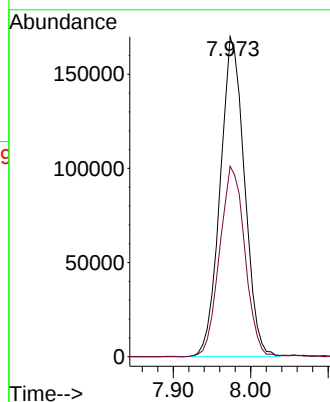
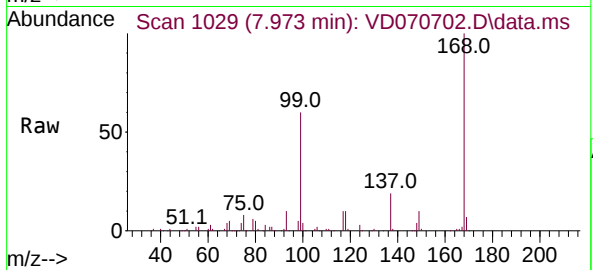
Acq: 13 Oct 2021 17:17

Tgt Ion:168 Resp: 370838

Ion Ratio Lower Upper

168 100

99 59.5 51.4 77.0



#5

Bromomethane

Concen: Below Cal

RT: 2.785 min Scan# 147

Delta R.T. 0.017 min

Lab File: VD070702.D

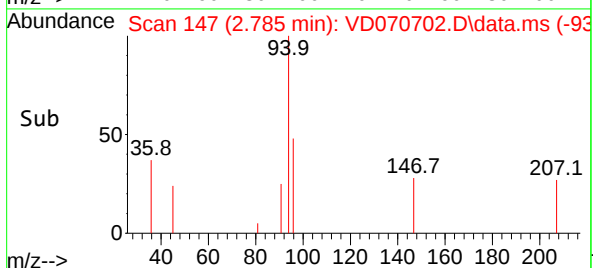
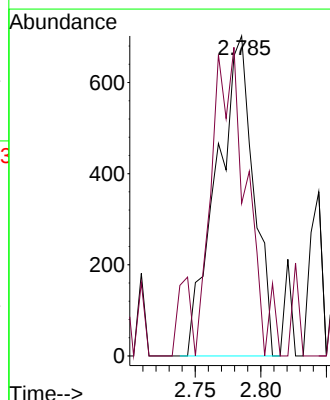
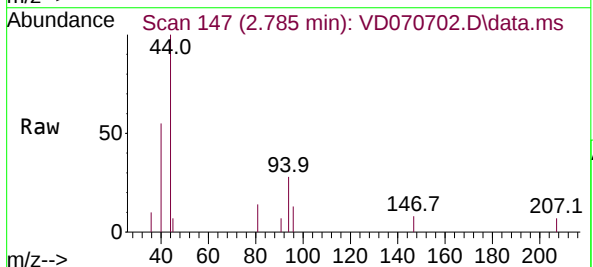
Acq: 13 Oct 2021 17:17

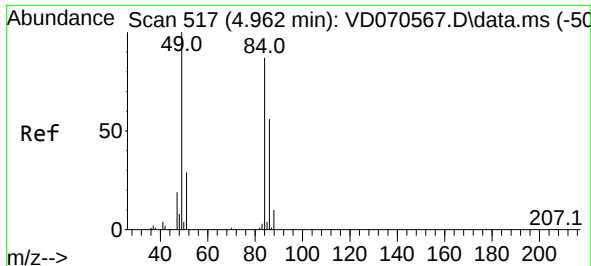
Tgt Ion: 94 Resp: 1375

Ion Ratio Lower Upper

94 100

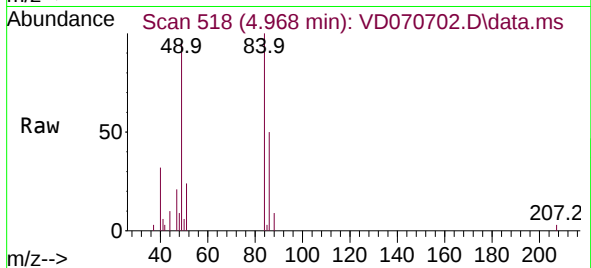
96 47.7 75.5 113.3#



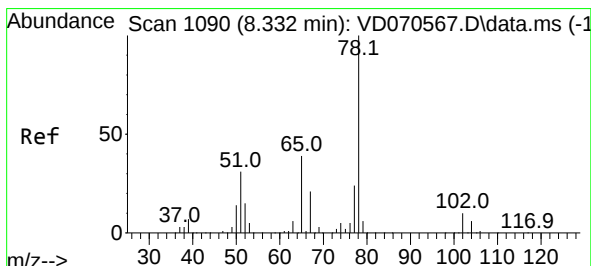
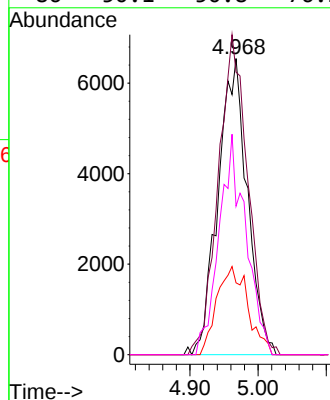
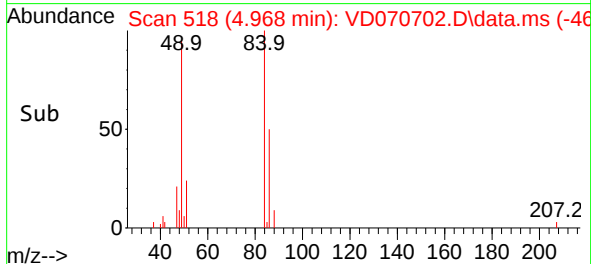


#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD070702.D
Acq: 13 Oct 2021 17:17

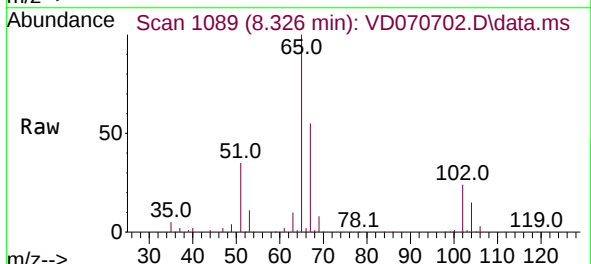
Instrument :
MSVOA_D
ClientSampleId :



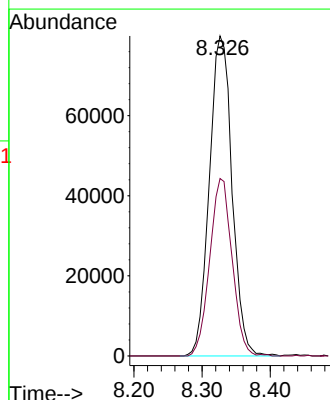
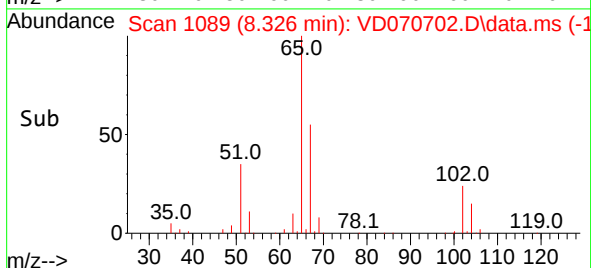
Tgt Ion:	84	Resp:	19572
Ion	Ratio	Lower	Upper
84	100		
49	95.4	91.4	137.2
51	24.3	26.7	40.1#
86	50.1	50.8	76.2#

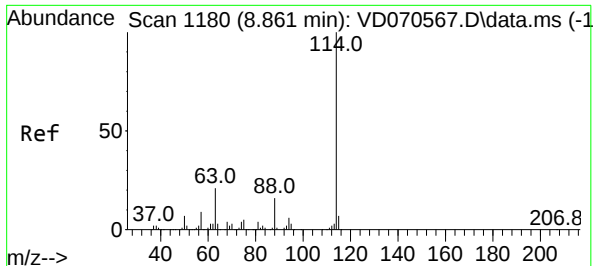


#33
1,2-Dichloroethane-d4
Concen: 42.446 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070702.D
Acq: 13 Oct 2021 17:17



Tgt Ion:	65	Resp:	185247
Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	110.2



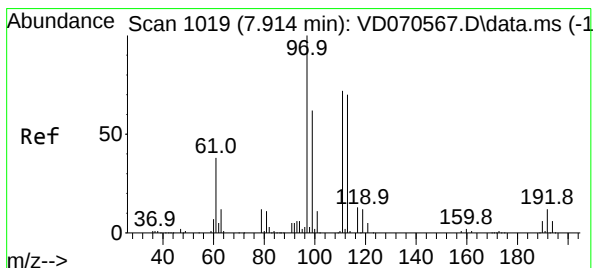
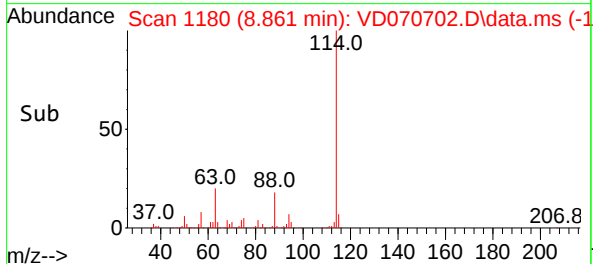
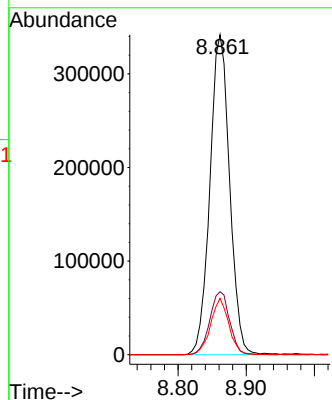
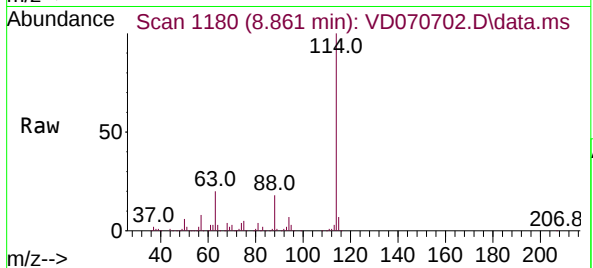


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070702.D
Acq: 13 Oct 2021 17:17

Instrument :
MSVOA_D
ClientSampleId :

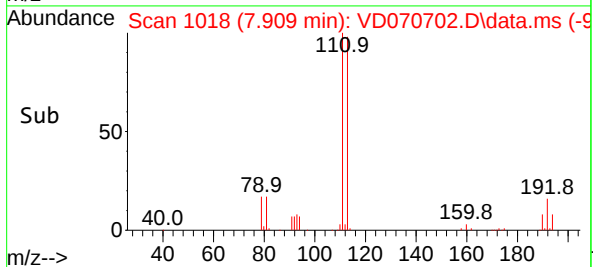
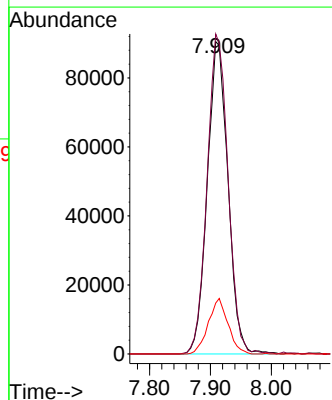
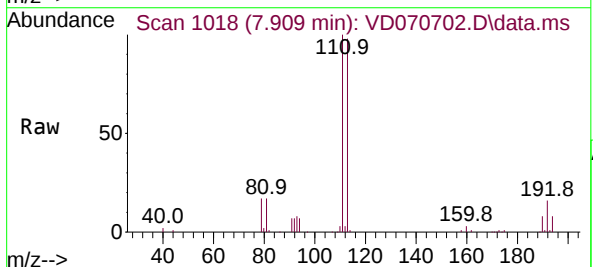
Tgt Ion:114 Resp: 688082
Ion Ratio Lower Upper
114 100
63 19.7 0.0 41.8
88 17.6 0.0 32.6

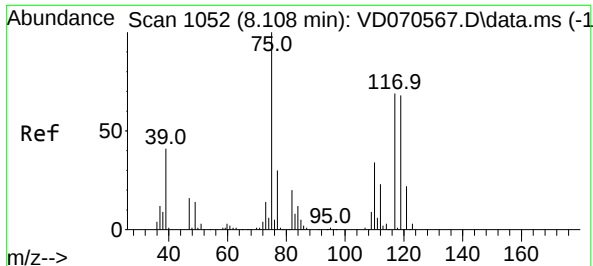


#35

Dibromofluoromethane
Concen: 46.668 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070702.D
Acq: 13 Oct 2021 17:17

Tgt Ion:113 Resp: 213497
Ion Ratio Lower Upper
113 100
111 103.7 83.1 124.7
192 17.0 12.7 19.1



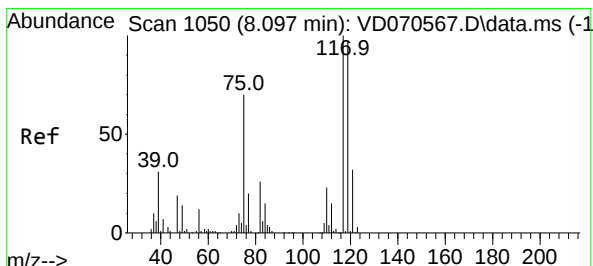
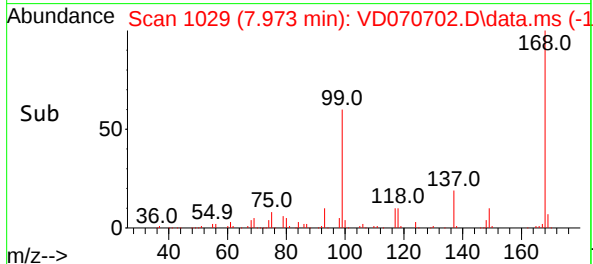
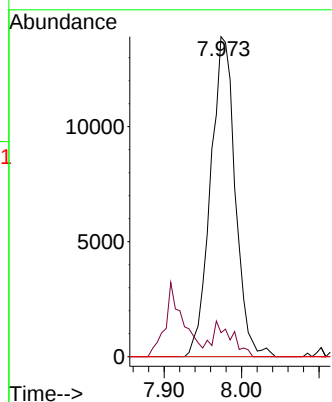
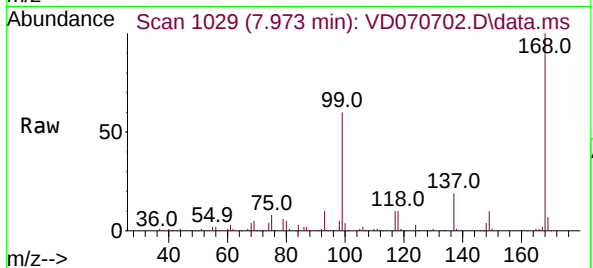


#36

1,1-Dichloropropene
Concen: 4.220 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070702.D
Acq: 13 Oct 2021 17:17

Instrument :
MSVOA_D
ClientSampled :

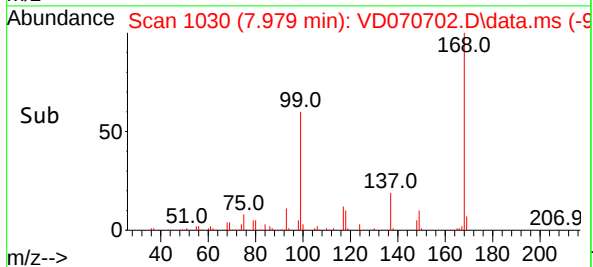
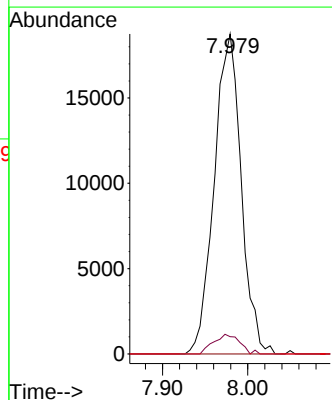
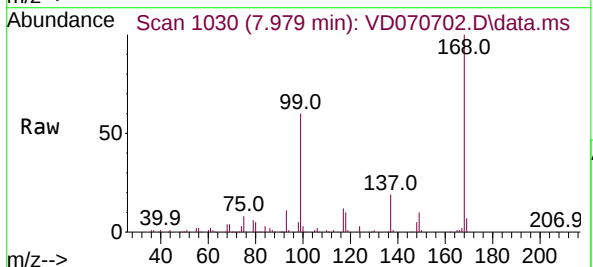
Tgt Ion: 75 Resp: 30839
Ion Ratio Lower Upper
75 100
110 8.9 17.2 51.6#
77 0.0 24.2 36.4#

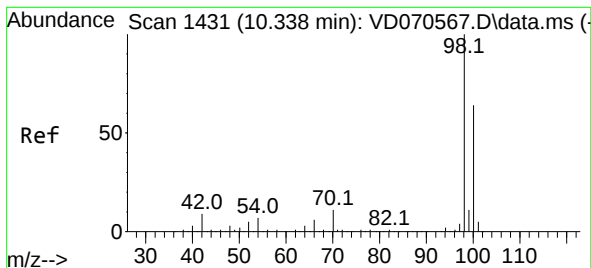


#38

Carbon Tetrachloride
Concen: 5.391 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070702.D
Acq: 13 Oct 2021 17:17

Tgt Ion: 117 Resp: 41230
Ion Ratio Lower Upper
117 100
119 5.4 77.4 116.0#
121 0.0 25.4 38.0#

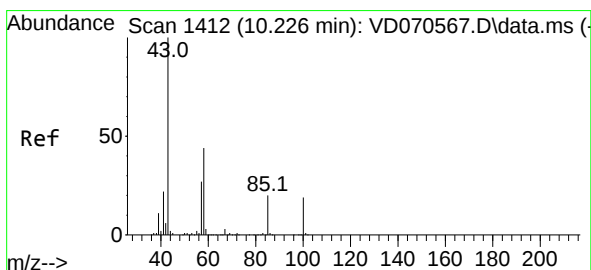
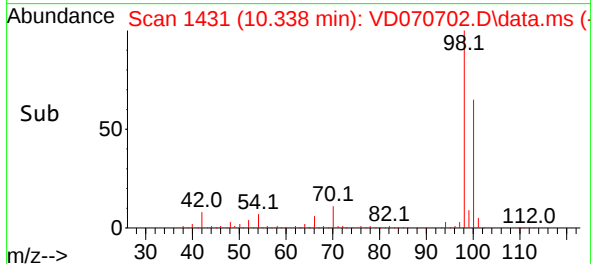
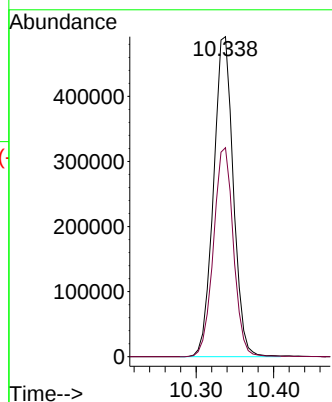
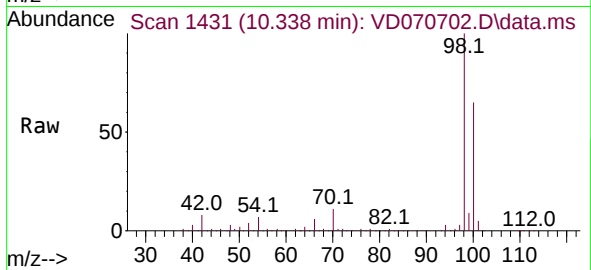




#50
Toluene-d8
Concen: 49.873 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD070702.D
Acq: 13 Oct 2021 17:17

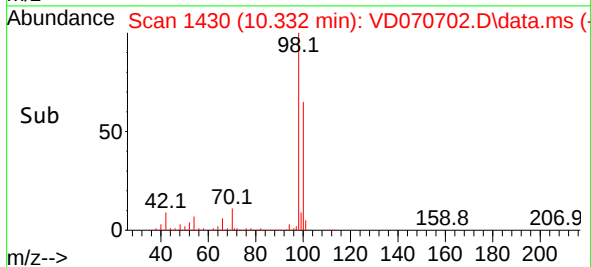
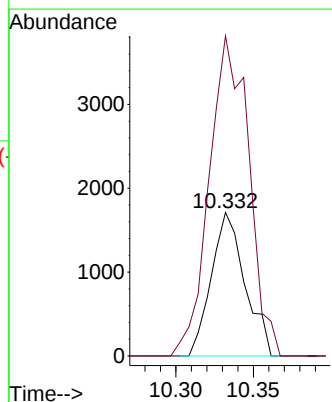
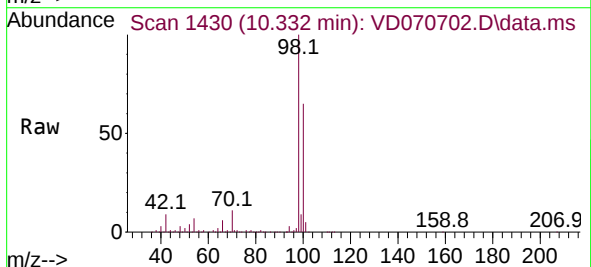
Instrument :
MSVOA_D
ClientSampled :

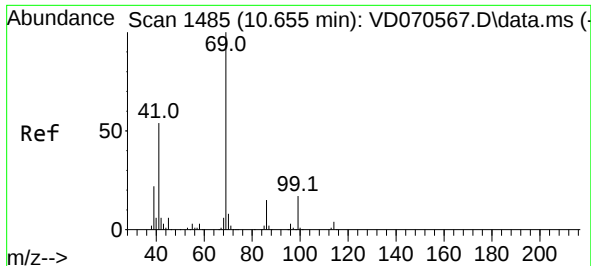
Tgt Ion: 98 Resp: 872218
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.124 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD070702.D
Acq: 13 Oct 2021 17:17

Tgt Ion: 43 Resp: 2580
Ion Ratio Lower Upper
43 100
58 262.8 35.0 52.6#

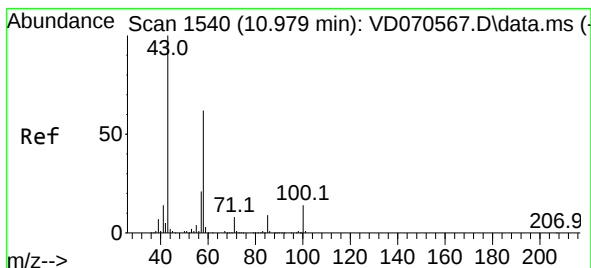
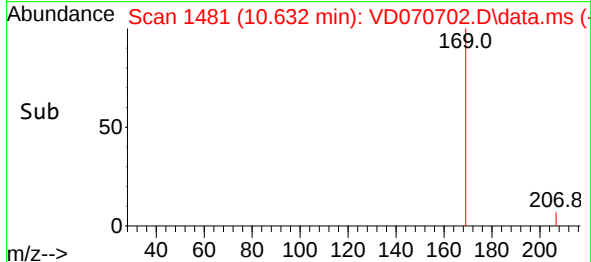
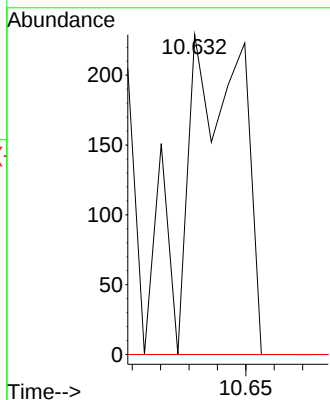
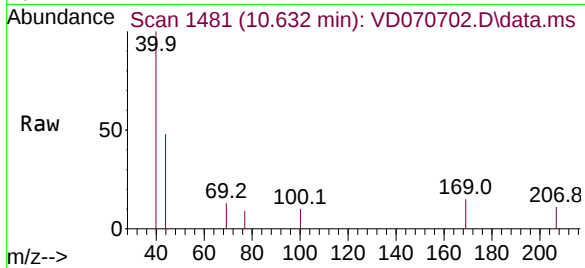




#56
Ethyl methacrylate
Concen: 1.433 ug/l
RT: 10.632 min Scan# 1481
Delta R.T. -0.023 min
Lab File: VD070702.D
Acq: 13 Oct 2021 17:17

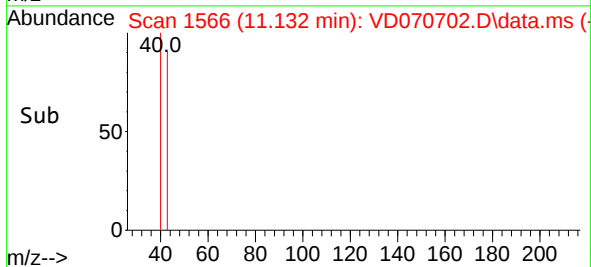
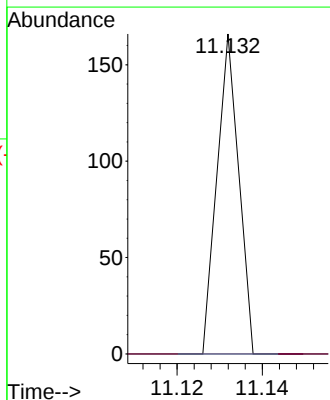
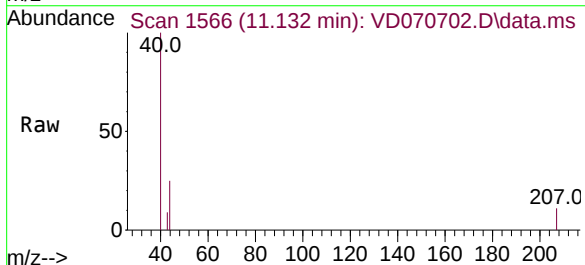
Instrument :
MSVOA_D
ClientSampleId :

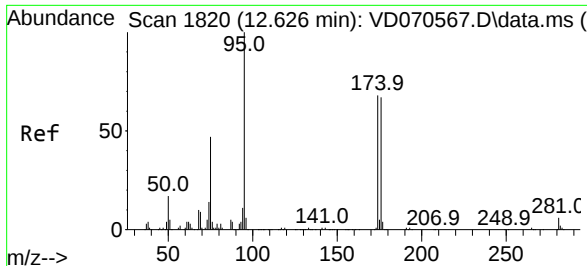
Tgt Ion: 69 Resp: 281
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 0.0 19.5 29.3#



#59
2-Hexanone
Concen: Below Cal
RT: 11.132 min Scan# 1566
Delta R.T. 0.153 min
Lab File: VD070702.D
Acq: 13 Oct 2021 17:17

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#

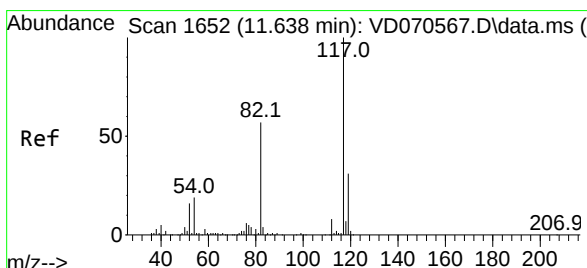
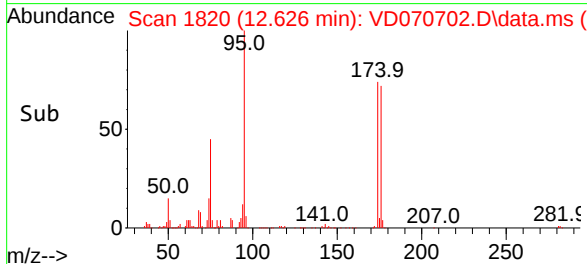
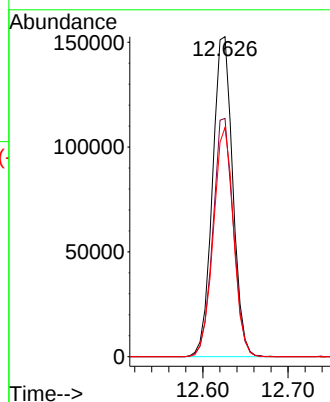
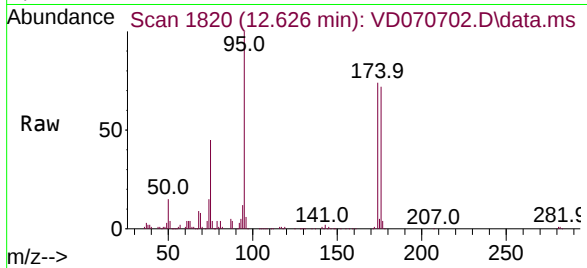




#62
4-Bromofluorobenzene
Concen: 43.055 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070702.D
Acq: 13 Oct 2021 17:17

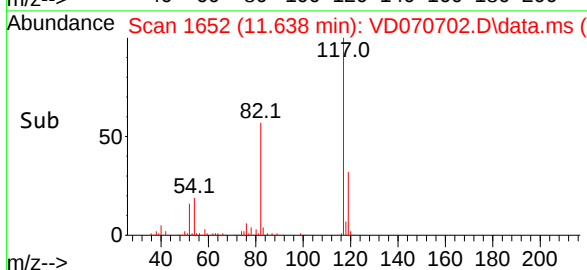
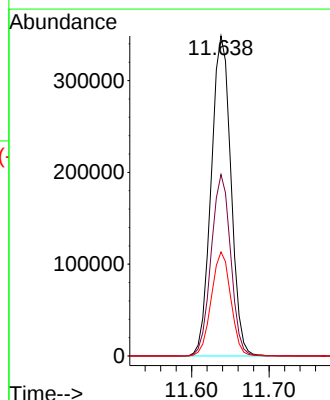
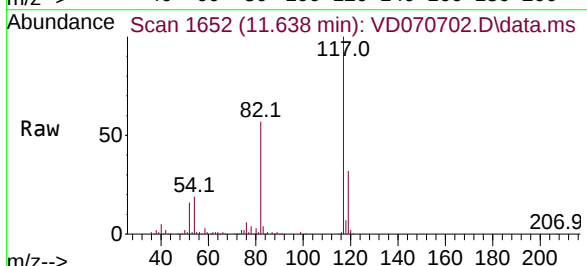
Instrument :
MSVOA_D
ClientSampled :

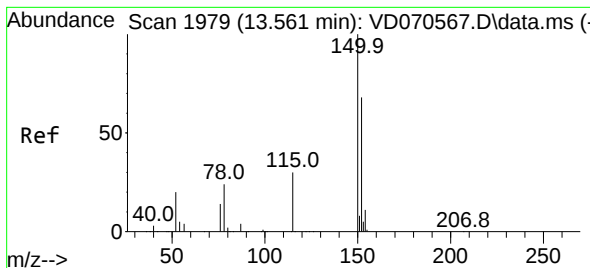
Tgt Ion: 95 Resp: 251665
Ion Ratio Lower Upper
95 100
174 74.9 0.0 138.0
176 71.6 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070702.D
Acq: 13 Oct 2021 17:17

Tgt Ion: 117 Resp: 617121
Ion Ratio Lower Upper
117 100
82 56.7 45.4 68.2
119 32.5 24.7 37.1

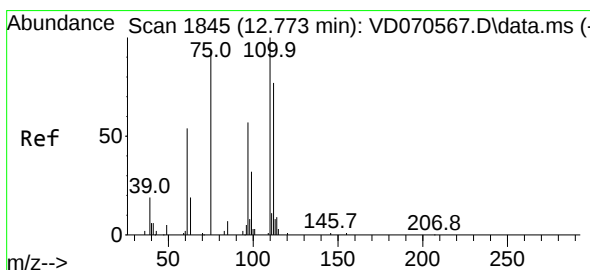
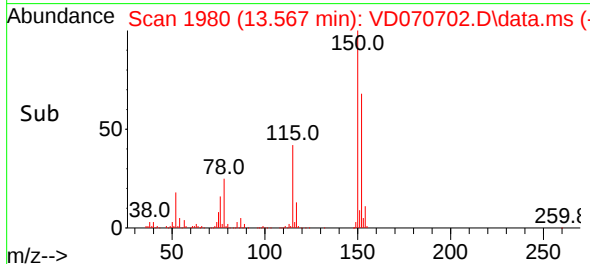
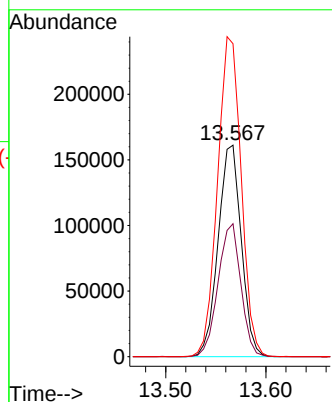
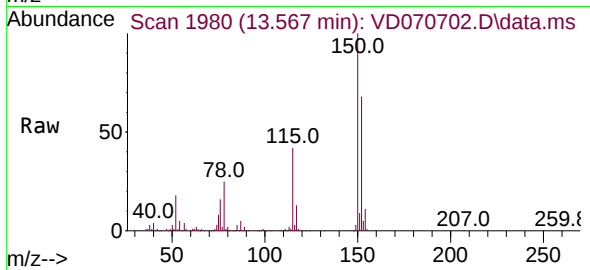




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.006 min
 Lab File: VD070702.D
 Acq: 13 Oct 2021 17:17

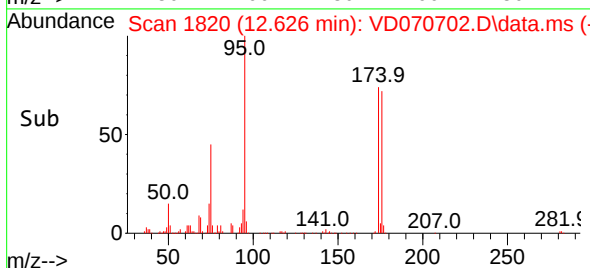
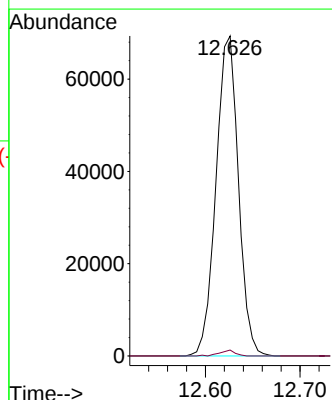
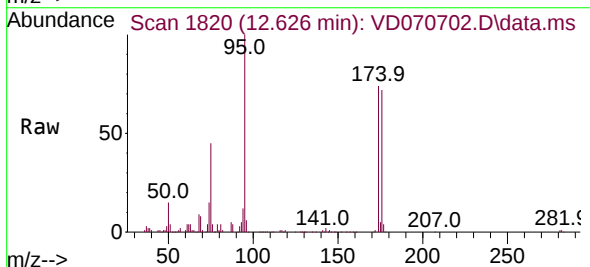
Instrument :
 MSVOA_D
 ClientSampled :

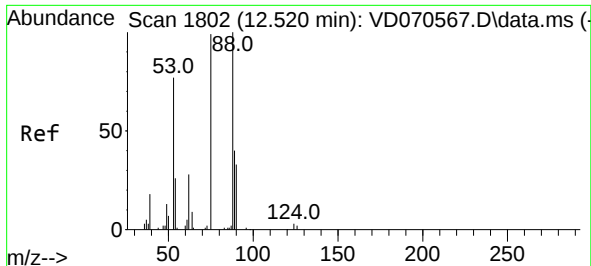
Tgt Ion:152 Resp: 258067
 Ion Ratio Lower Upper
 152 100
 115 62.0 31.9 95.7
 150 154.9 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 48.882 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070702.D
 Acq: 13 Oct 2021 17:17

Tgt Ion: 75 Resp: 114177
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

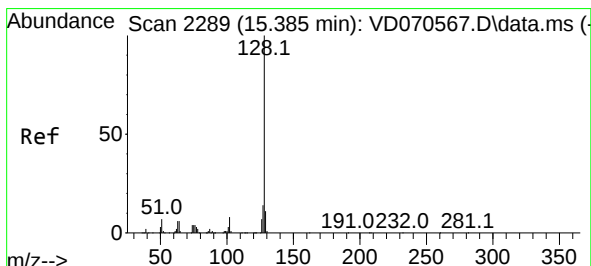
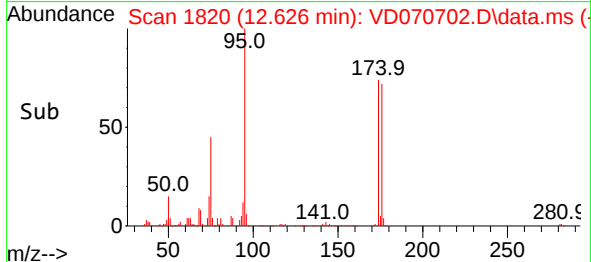
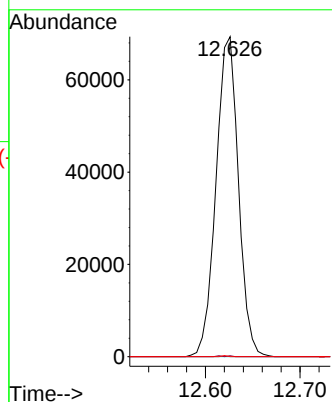
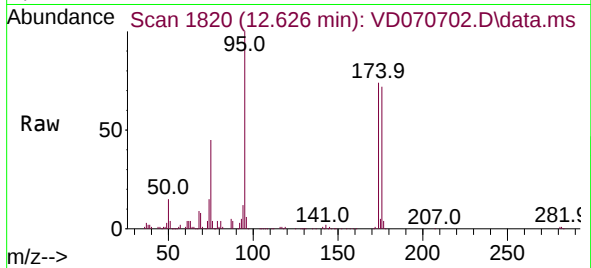




#81
trans-1,4-Dichloro-2-butene
Concen: 108.526 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070702.D
Acq: 13 Oct 2021 17:17

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 114177
Ion Ratio Lower Upper
75 100
53 0.1 64.5 96.7#
89 0.1 35.3 52.9#



#95
Naphthalene
Concen: 2.520 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.012 min
Lab File: VD070702.D
Acq: 13 Oct 2021 17:17

Tgt Ion:128 Resp: 260
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

