

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101321\
 Data File : VD070701.D
 Acq On : 13 Oct 2021 16:48
 Operator : VA/SY
 Sample : M4191-02
 Misc : 4.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 14 04:04:30 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)

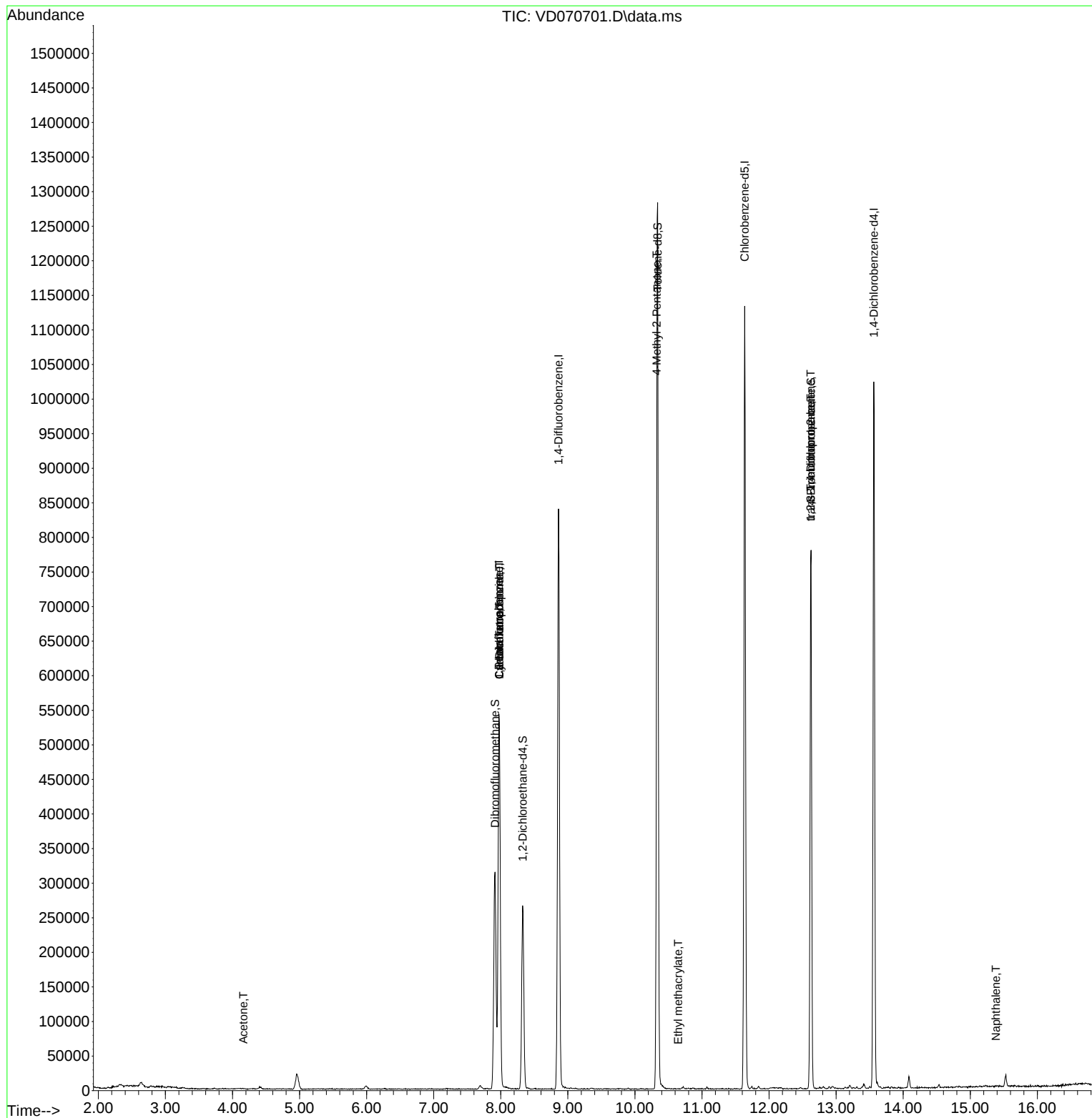
Internal Standards						
1) Pentafluorobenzene	7.973	168	391095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	741455	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	667804	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	275528	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	211283	45.905	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.800%		
35) Dibromofluoromethane	7.914	113	232992	47.264	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.520%		
50) Toluene-d8	10.338	98	921884	48.919	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.840%		
62) 4-Bromofluorobenzene	12.626	95	277685	44.087	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	88.180%		
Target Compounds						
5) Bromomethane	2.773	94	1344	Below Cal	#	73
16) Acetone	4.162	43	892	1.141	ug/l #	72
20) Methylene Chloride	4.962	84	17752	Below Cal		95
31) Cyclohexane	7.979	56	8797	1.032	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	31593	4.012	ug/l #	50
38) Carbon Tetrachloride	7.979	117	41793	5.071	ug/l #	16
51) 4-Methyl-2-Pentanone	10.326	43	3267	1.321	ug/l #	1
56) Ethyl methacrylate	10.644	69	188	1.411	ug/l #	32
59) 2-Hexanone	11.091	43	70	Below Cal	#	20
76) 1,2,3-Trichloropropane	12.620	75	128971	51.716	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	128971	114.819	ug/l #	17
95) Naphthalene	15.384	128	692	2.565	ug/l #	81

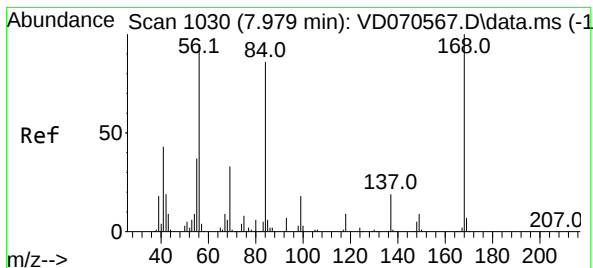
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD070701.D

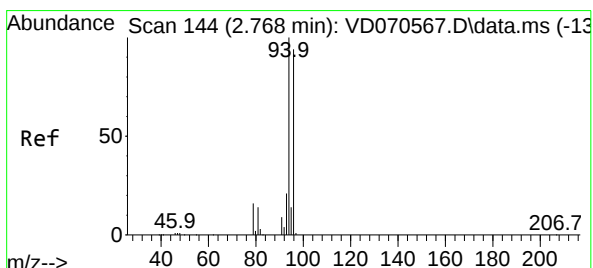
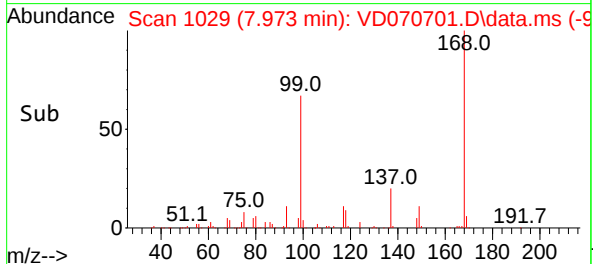
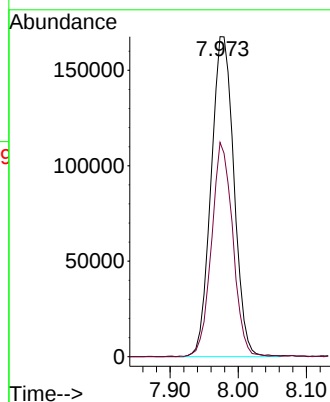
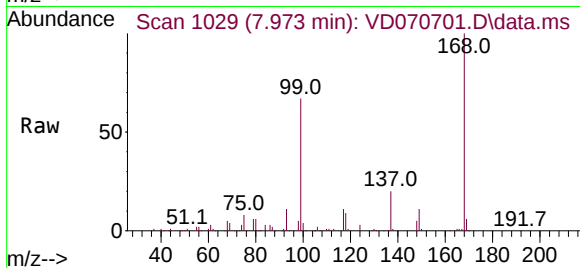
Acq: 13 Oct 2021 16:48

Tgt Ion:168 Resp: 391095

Ion Ratio Lower Upper

168 100

99 66.8 51.4 77.0



#5

Bromomethane

Concen: Below Cal

RT: 2.773 min Scan# 145

Delta R.T. 0.005 min

Lab File: VD070701.D

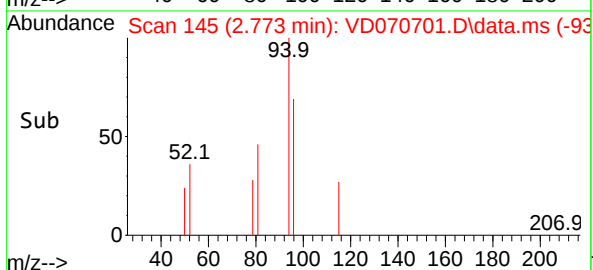
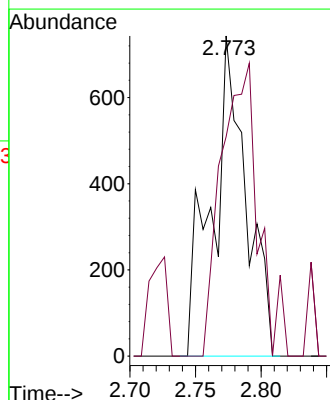
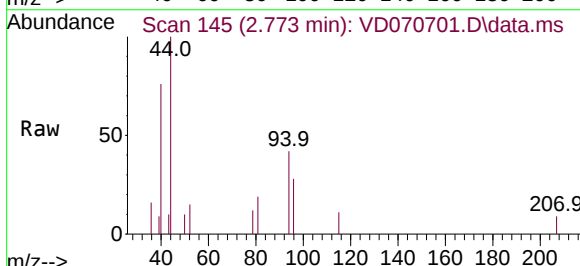
Acq: 13 Oct 2021 16:48

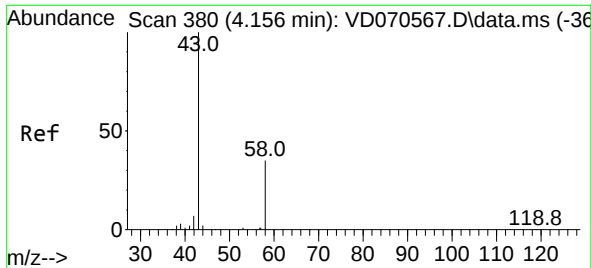
Tgt Ion: 94 Resp: 1344

Ion Ratio Lower Upper

94 100

96 68.5 75.5 113.3#

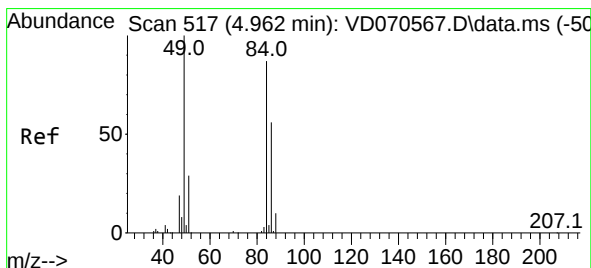
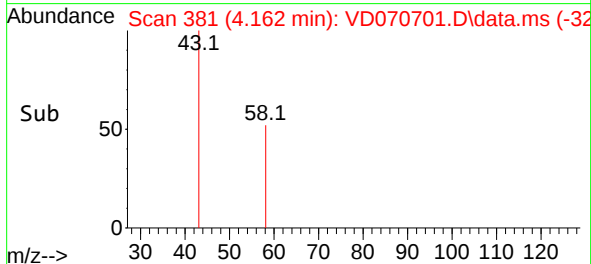
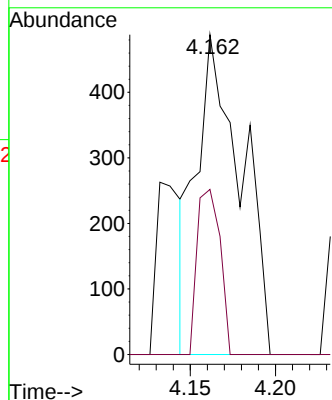
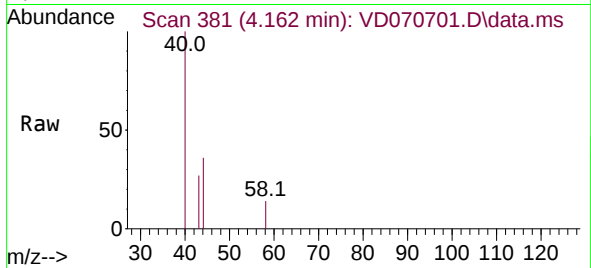




#16
Acetone
Concen: 1.141 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070701.D
Acq: 13 Oct 2021 16:48

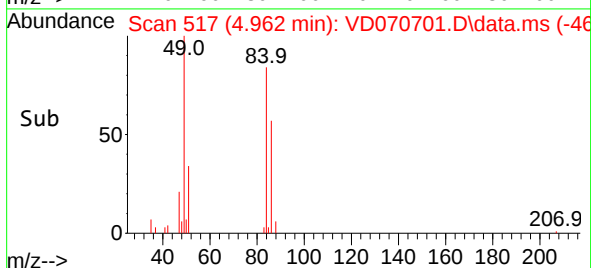
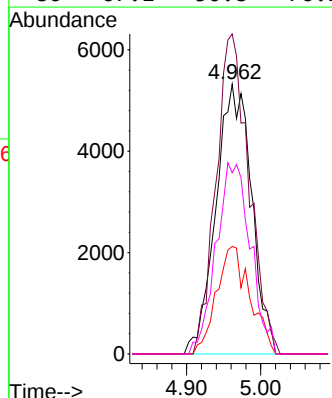
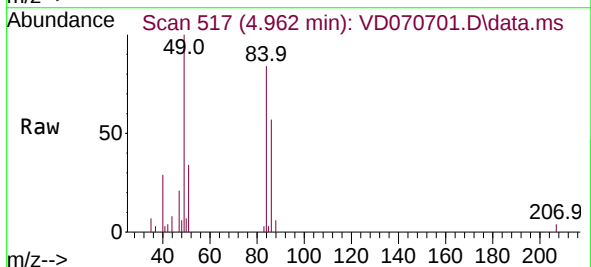
Instrument :
MSVOA_D
ClientSampled :

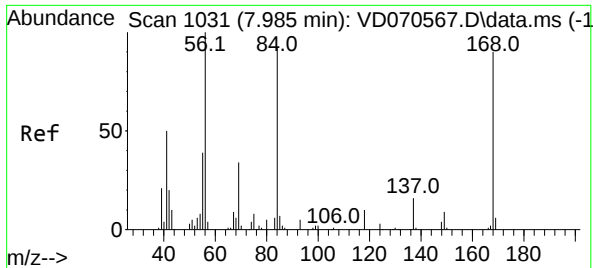
Tgt Ion: 43 Resp: 892
Ion Ratio Lower Upper
43 100
58 51.6 28.2 42.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070701.D
Acq: 13 Oct 2021 16:48

Tgt Ion: 84 Resp: 17752
Ion Ratio Lower Upper
84 100
49 118.6 91.4 137.2
51 39.9 26.7 40.1
86 67.1 50.8 76.2

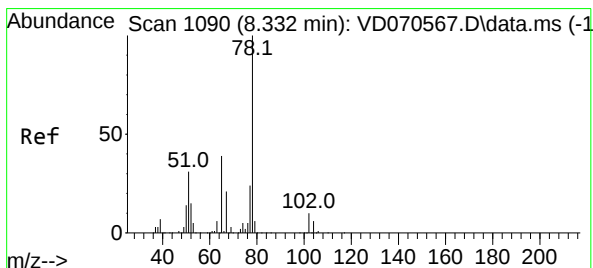
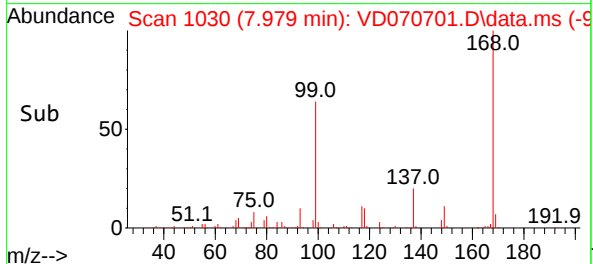
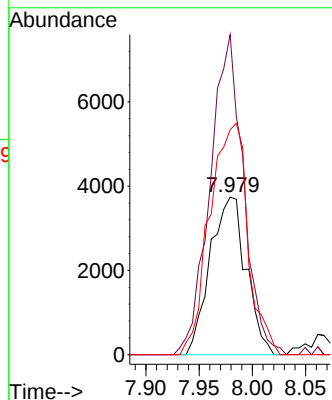
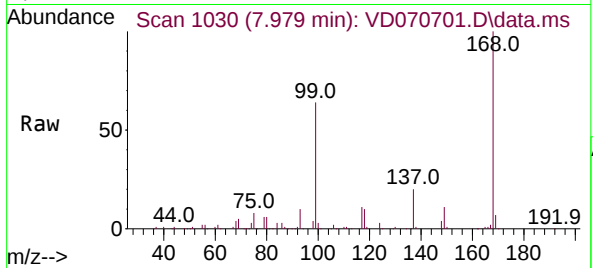




#31
Cyclohexane
Concen: 1.032 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070701.D
Acq: 13 Oct 2021 16:48

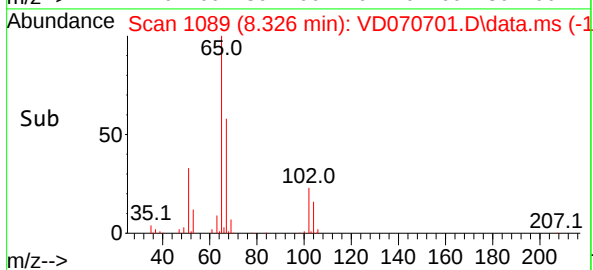
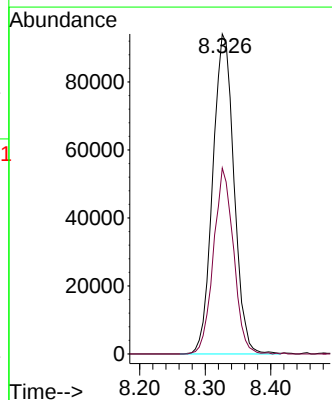
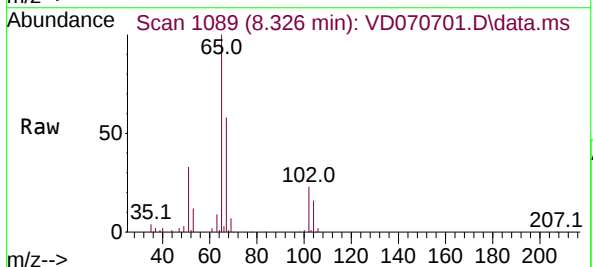
Instrument :
MSVOA_D
ClientSampleId :

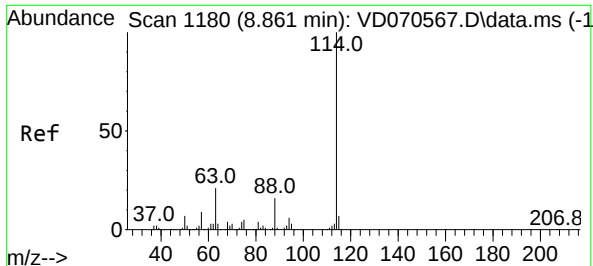
Tgt Ion: 56 Resp: 8797
Ion Ratio Lower Upper
56 100
69 198.6 27.4 41.2#
84 142.7 73.6 110.4#



#33
1,2-Dichloroethane-d4
Concen: 45.905 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070701.D
Acq: 13 Oct 2021 16:48

Tgt Ion: 65 Resp: 211283
Ion Ratio Lower Upper
65 100
67 54.8 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: VD070701.D

Acq: 13 Oct 2021 16:48

Instrument :

MSVOA_D

ClientSampleId :

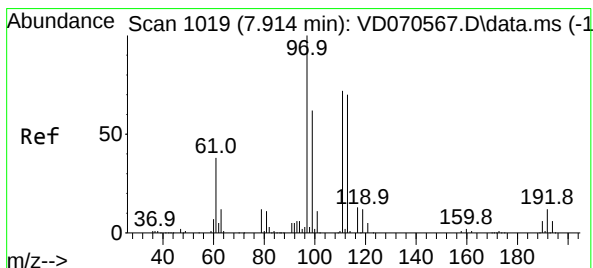
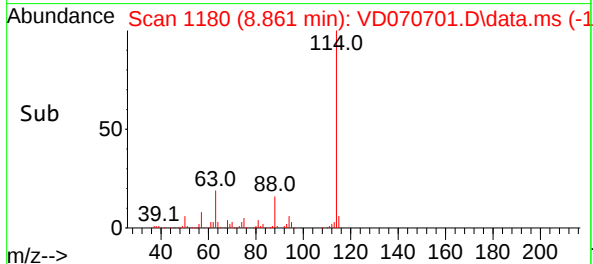
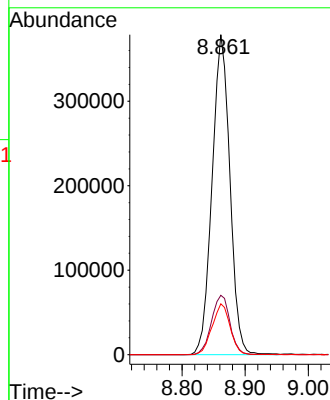
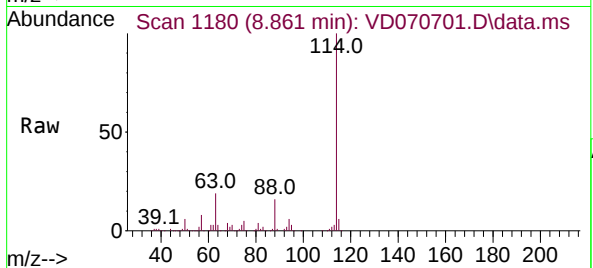
Tgt Ion:114 Resp: 741455

Ion Ratio Lower Upper

114 100

63 18.5 0.0 41.8

88 15.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.264 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070701.D

Acq: 13 Oct 2021 16:48

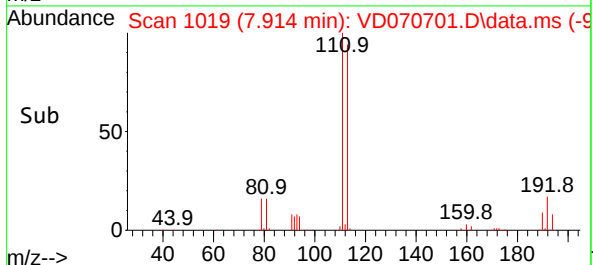
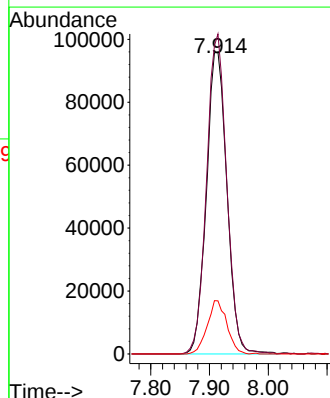
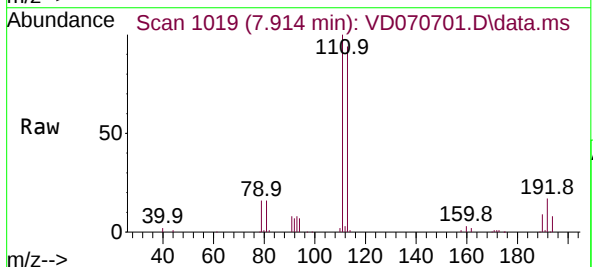
Tgt Ion:113 Resp: 232992

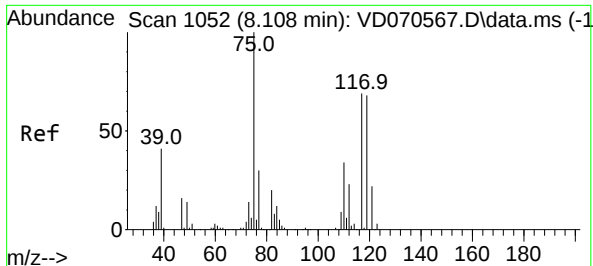
Ion Ratio Lower Upper

113 100

111 103.9 83.1 124.7

192 16.8 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.012 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD070701.D

Acq: 13 Oct 2021 16:48

Tgt Ion: 75 Resp: 31593

Ion Ratio Lower Upper

75 100

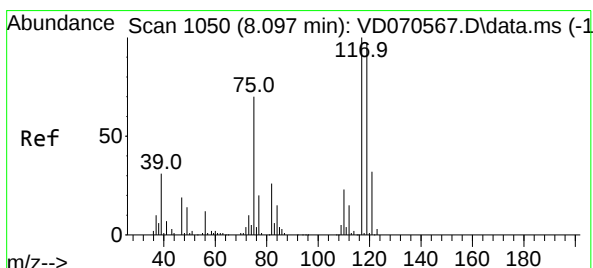
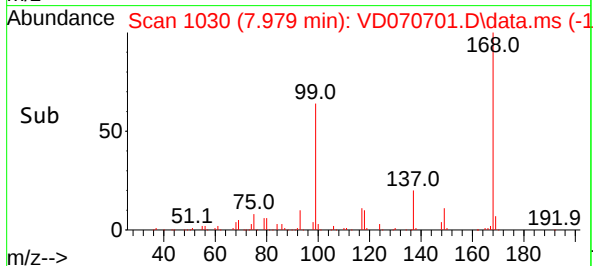
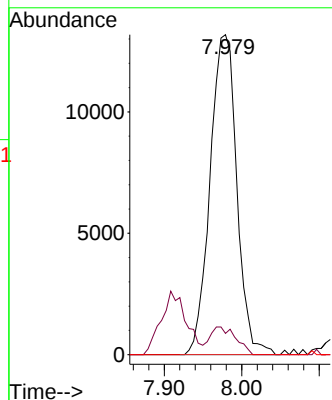
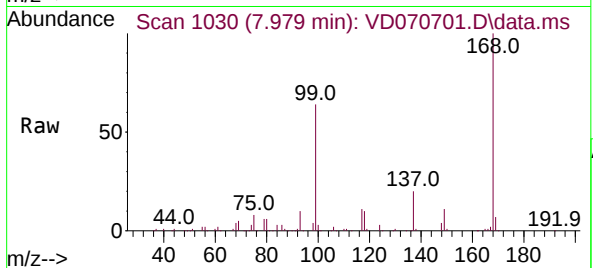
110 8.4 17.2 51.6#

77 0.0 24.2 36.4#

Instrument :

MSVOA_D

ClientSampled :



#38

Carbon Tetrachloride

Concen: 5.071 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD070701.D

Acq: 13 Oct 2021 16:48

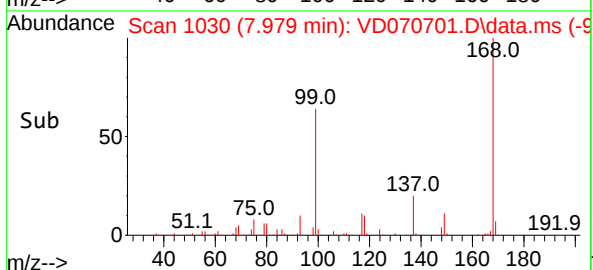
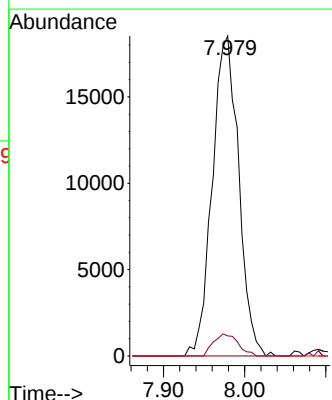
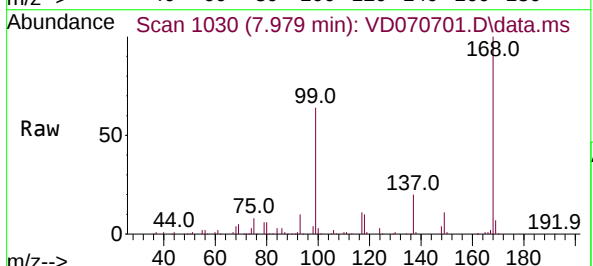
Tgt Ion:117 Resp: 41793

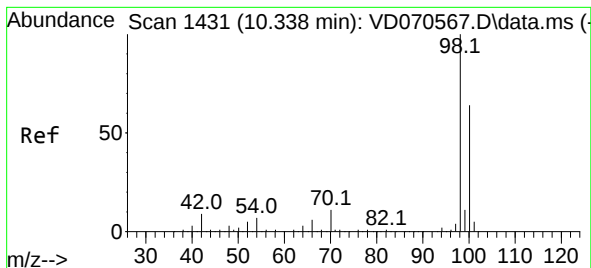
Ion Ratio Lower Upper

117 100

119 6.3 77.4 116.0#

121 0.0 25.4 38.0#

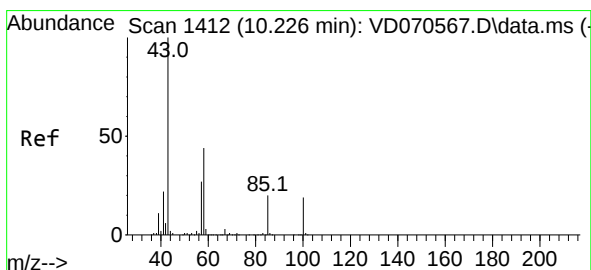
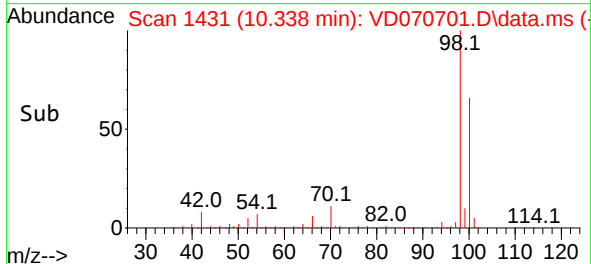
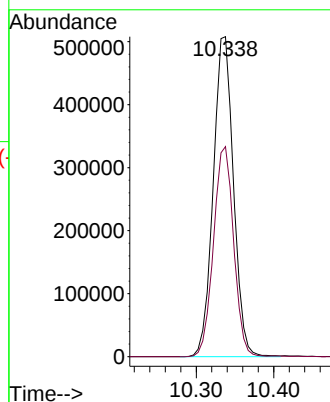
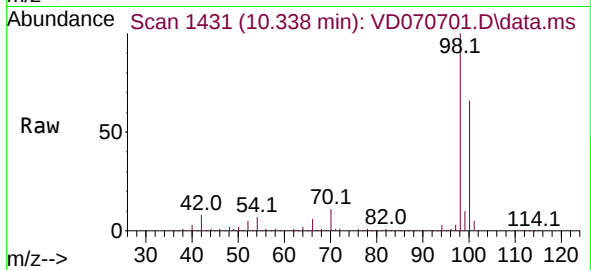




#50
Toluene-d8
Concen: 48.919 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070701.D
Acq: 13 Oct 2021 16:48

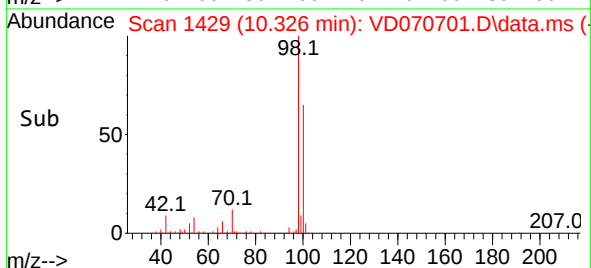
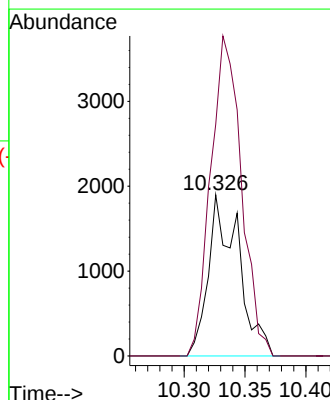
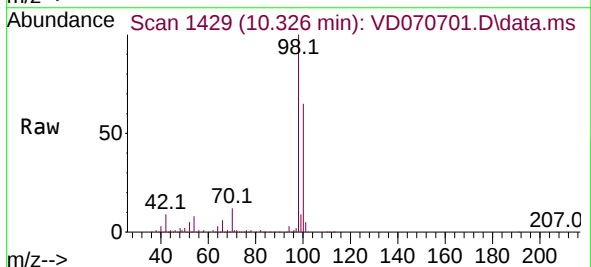
Instrument :
MSVOA_D
ClientSampled :

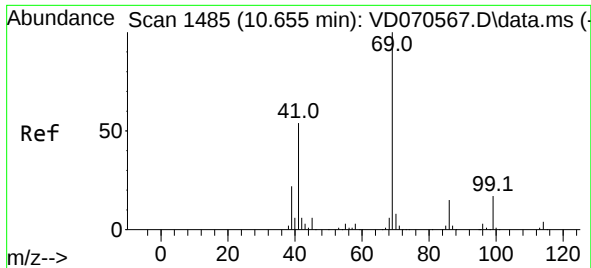
Tgt Ion: 98 Resp: 921884
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.321 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. 0.100 min
Lab File: VD070701.D
Acq: 13 Oct 2021 16:48

Tgt Ion: 43 Resp: 3267
Ion Ratio Lower Upper
43 100
58 203.3 35.0 52.6#

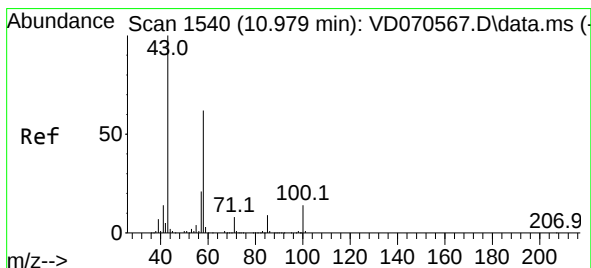
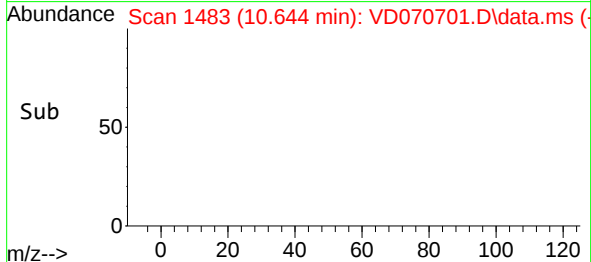
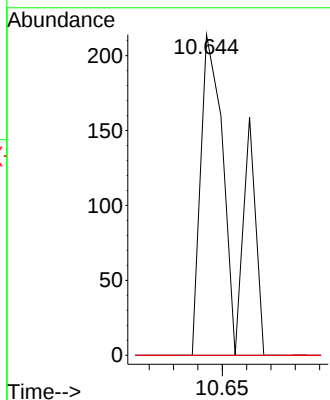
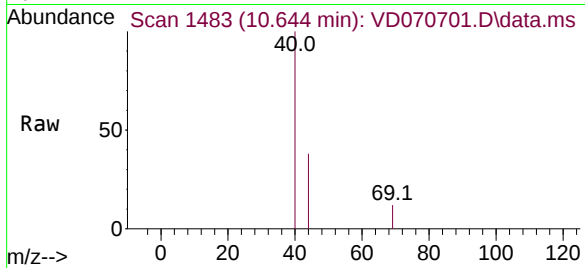




#56
Ethyl methacrylate
Concen: 1.411 ug/l
RT: 10.644 min Scan# 1483
Delta R.T. -0.011 min
Lab File: VD070701.D
Acq: 13 Oct 2021 16:48

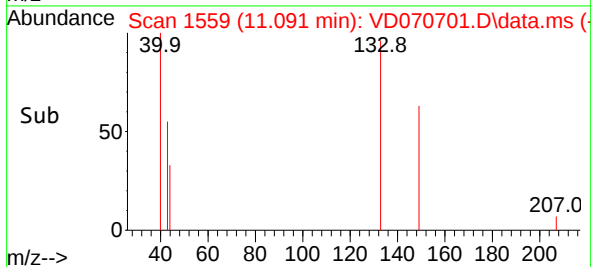
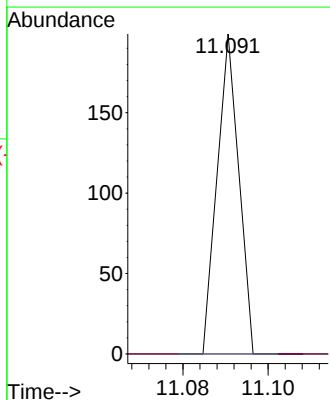
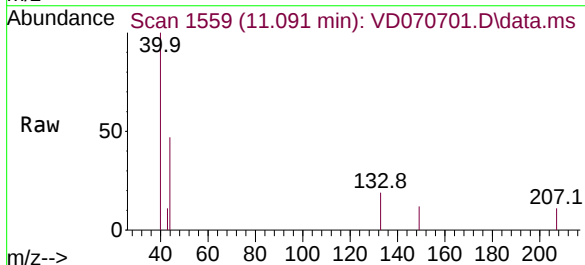
Instrument :
MSVOA_D
ClientSampled :

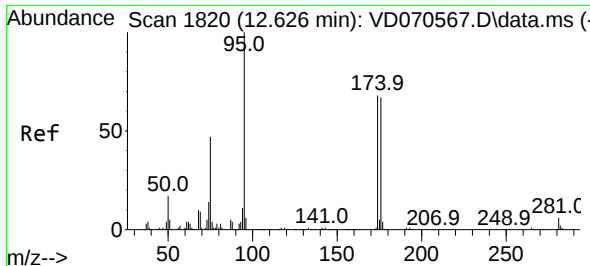
Tgt Ion: 69 Resp: 188
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 0.0 19.5 29.3#



#59
2-Hexanone
Concen: Below Cal
RT: 11.091 min Scan# 1559
Delta R.T. 0.112 min
Lab File: VD070701.D
Acq: 13 Oct 2021 16:48

Tgt Ion: 43 Resp: 70
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#

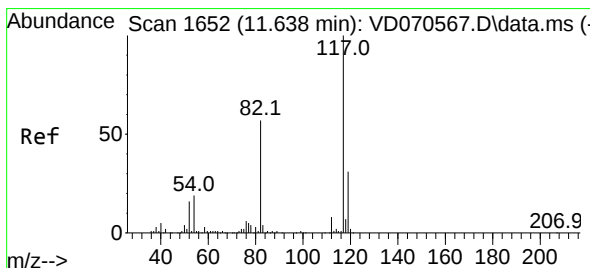
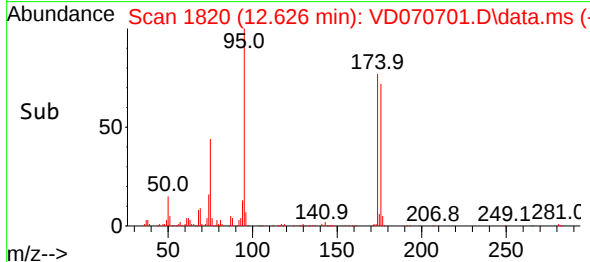
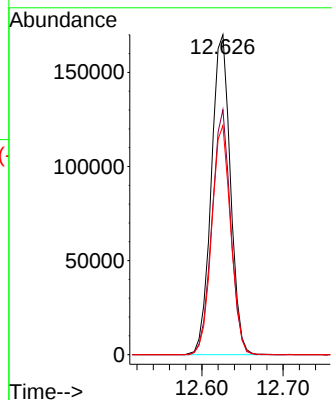
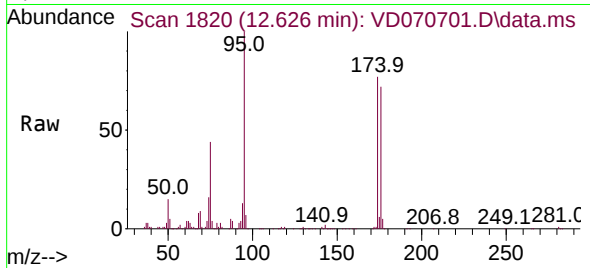




#62
4-Bromofluorobenzene
Concen: 44.087 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070701.D
Acq: 13 Oct 2021 16:48

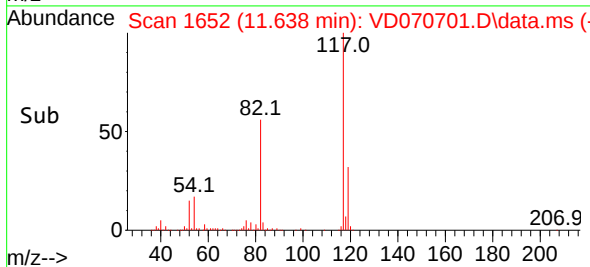
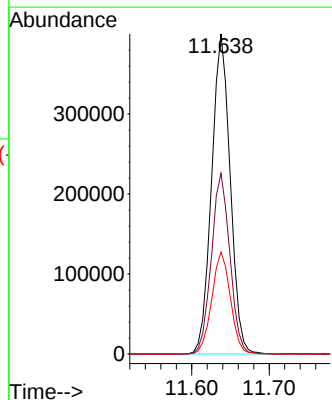
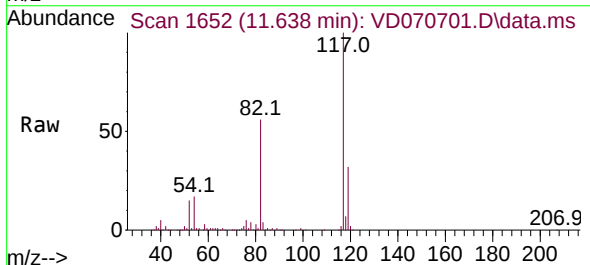
Instrument :
MSVOA_D
ClientSampleId :

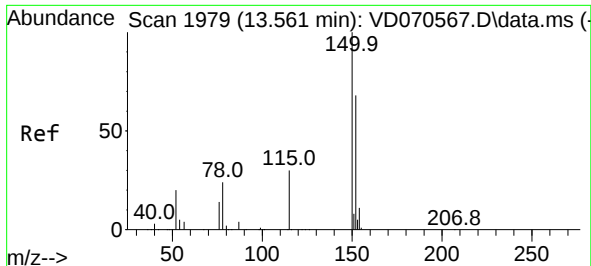
Tgt Ion: 95 Resp: 277685
Ion Ratio Lower Upper
95 100
174 74.9 0.0 138.0
176 71.3 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070701.D
Acq: 13 Oct 2021 16:48

Tgt Ion: 117 Resp: 667804
Ion Ratio Lower Upper
117 100
82 56.4 45.4 68.2
119 31.8 24.7 37.1

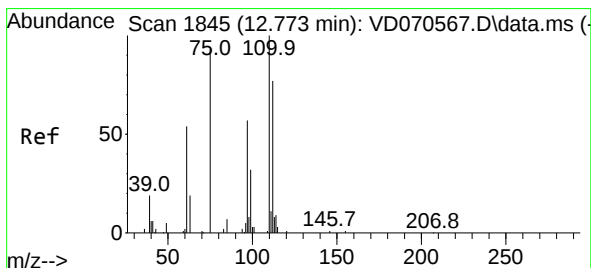
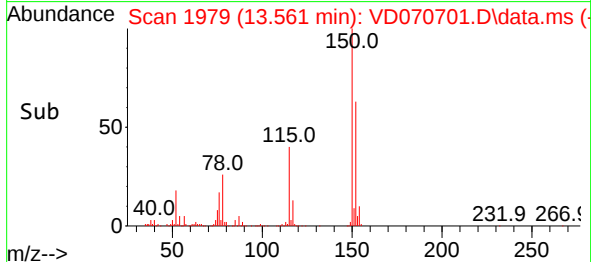
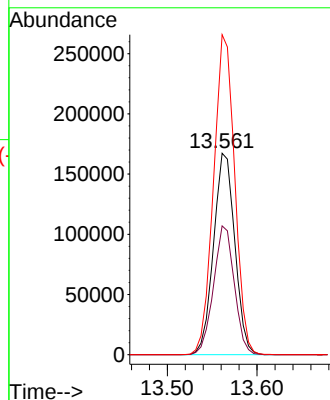
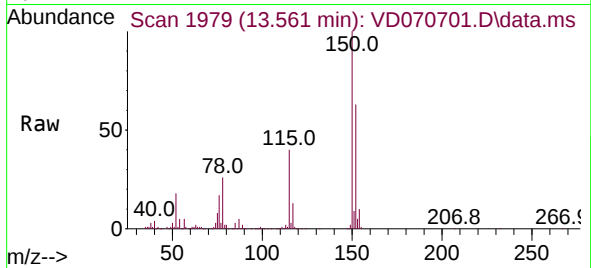




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070701.D
Acq: 13 Oct 2021 16:48

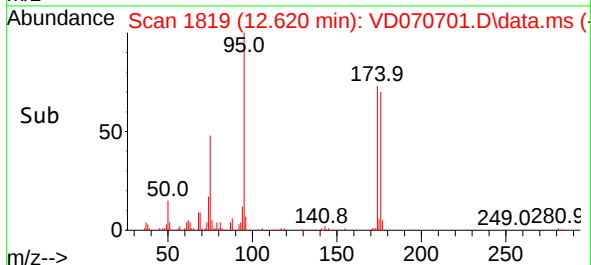
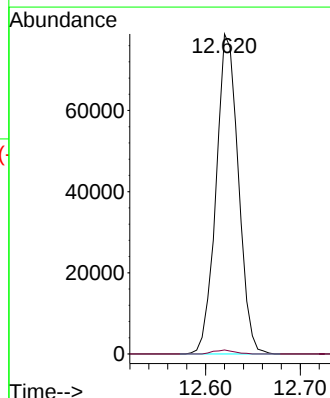
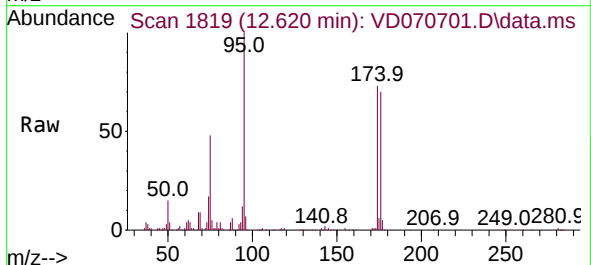
Instrument :
MSVOA_D
ClientSampled :

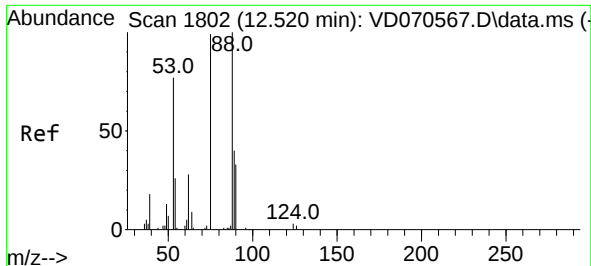
Tgt Ion:152 Resp: 275528
Ion Ratio Lower Upper
152 100
115 62.4 31.9 95.7
150 157.8 0.0 350.0



#76
1,2,3-Trichloropropane
Concen: 51.716 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070701.D
Acq: 13 Oct 2021 16:48

Tgt Ion: 75 Resp: 128971
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

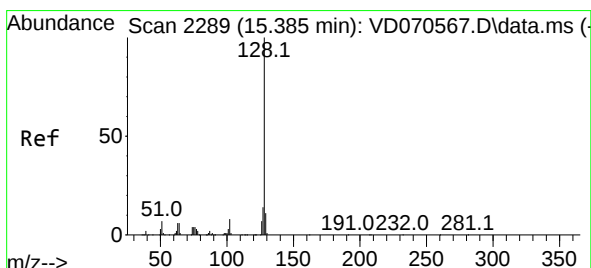
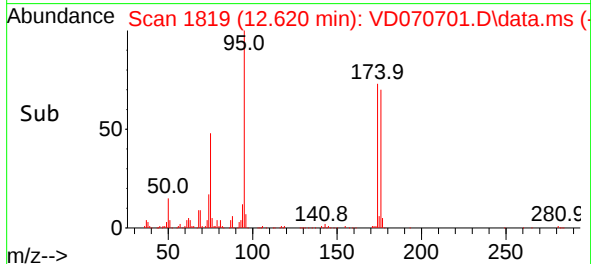
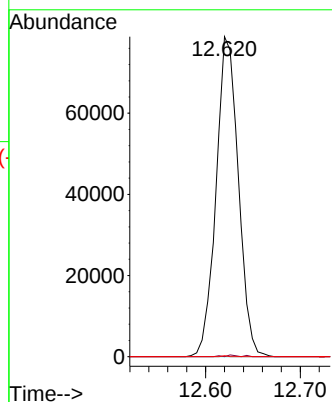
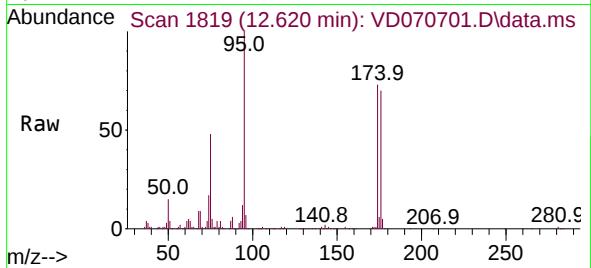




#81
trans-1,4-Dichloro-2-butene
Concen: 114.819 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070701.D
Acq: 13 Oct 2021 16:48

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 128971
Ion Ratio Lower Upper
75 100
53 0.2 64.5 96.7#
89 0.1 35.3 52.9#



#95
Naphthalene
Concen: 2.565 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD070701.D
Acq: 13 Oct 2021 16:48

Tgt Ion:128 Resp: 692
Ion Ratio Lower Upper
128 100
127 9.0 10.9 16.3#
129 0.0 8.6 12.8#

