

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100821\
 Data File : VD070649.D
 Acq On : 08 Oct 2021 20:06
 Operator : VA/SY
 Sample : M4020-02
 Misc : 7.29G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 11 02:25:32 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)

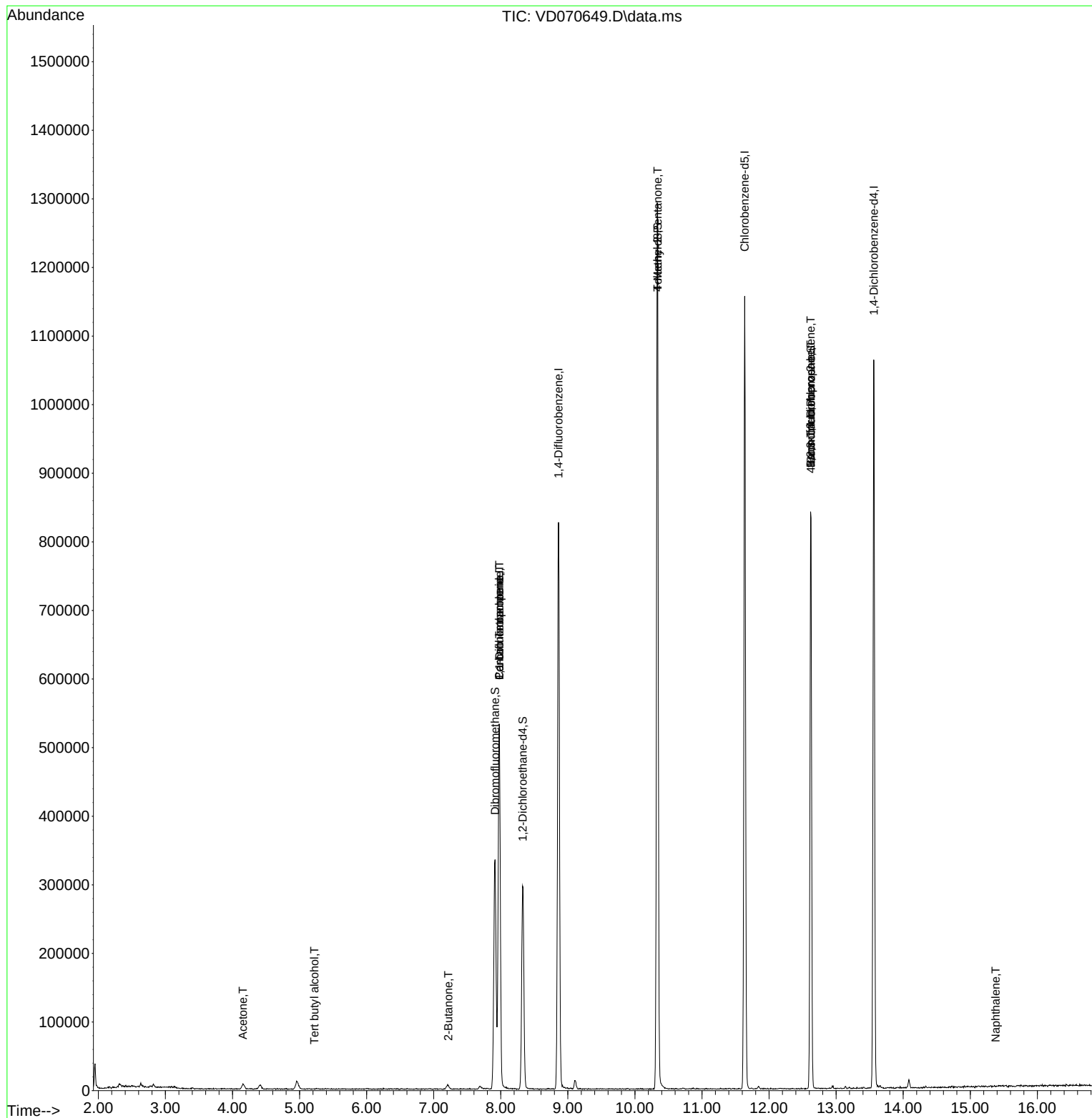
Internal Standards						
1) Pentafluorobenzene	7.979	168	376429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	727281	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	687023	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	285883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	245531	55.424	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.840%	
35) Dibromofluoromethane	7.914	113	248888	51.472	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.940%	
50) Toluene-d8	10.338	98	928803	50.246	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.500%	
62) 4-Bromofluorobenzene	12.626	95	282744	45.765	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.540%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	900	Below Cal	#	58
11) Tert butyl alcohol	5.220	59	385	1.754	ug/l #	83
16) Acetone	4.156	43	11999	15.950	ug/l	99
20) Methylene Chloride	4.961	84	8970	Below Cal		90
25) 2-Butanone	7.220	43	1489	1.512	ug/l #	81
36) 1,1-Dichloropropene	7.979	75	32559	4.215	ug/l #	51
38) Carbon Tetrachloride	7.979	117	42453	5.252	ug/l #	16
51) 4-Methyl-2-Pentanone	10.338	43	3093	1.275	ug/l #	1
59) 2-Hexanone	10.855	43	82	Below Cal	#	20
71) Bromoform	12.620	173	2801	1.095	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	135257	52.272	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	135257	116.053	ug/l #	17
95) Naphthalene	15.378	128	92	2.499	ug/l #	69

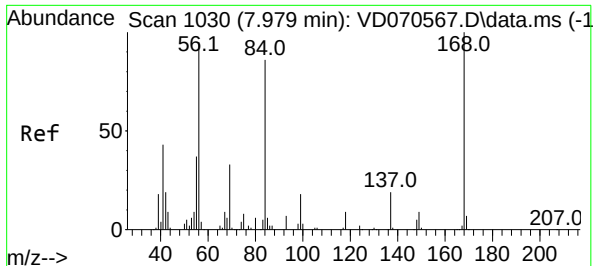
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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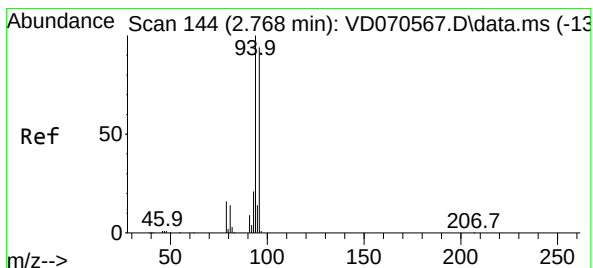
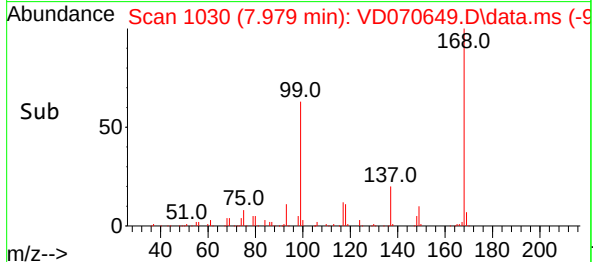
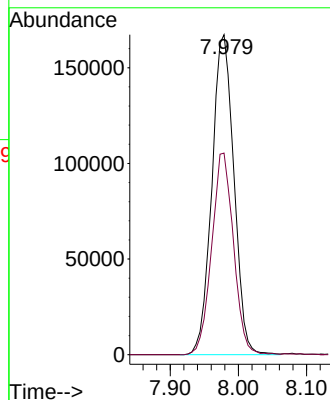
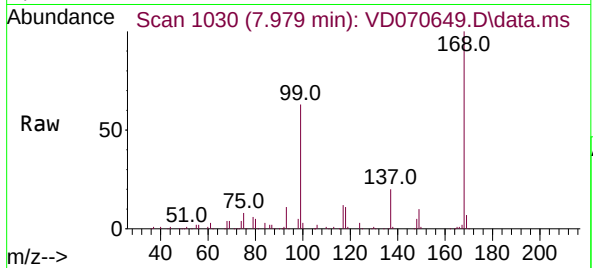




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070649.D
Acq: 08 Oct 2021 20:06

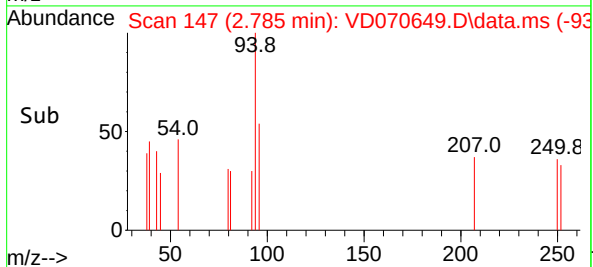
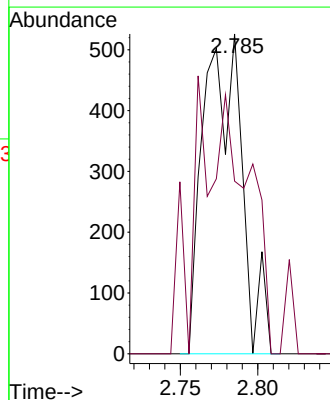
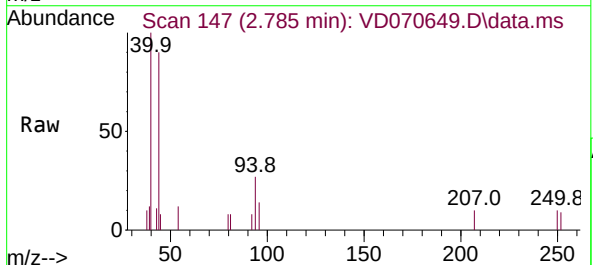
Instrument :
MSVOA_D
ClientSampleId :

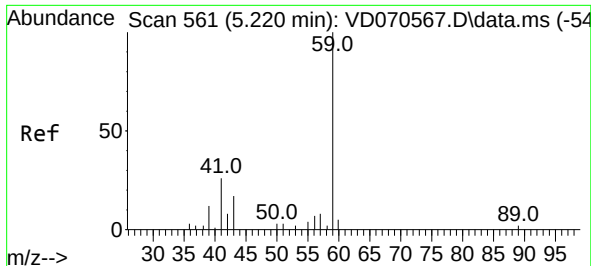
Tgt Ion:168 Resp: 376429
Ion Ratio Lower Upper
168 100
99 63.0 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD070649.D
Acq: 08 Oct 2021 20:06

Tgt Ion: 94 Resp: 900
Ion Ratio Lower Upper
94 100
96 54.0 75.5 113.3#



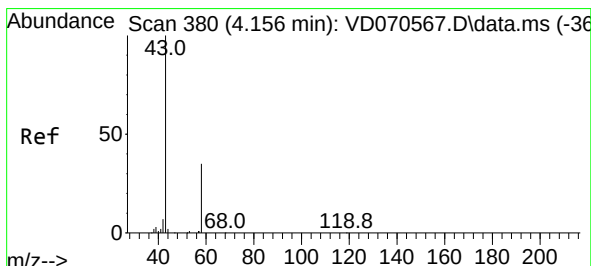
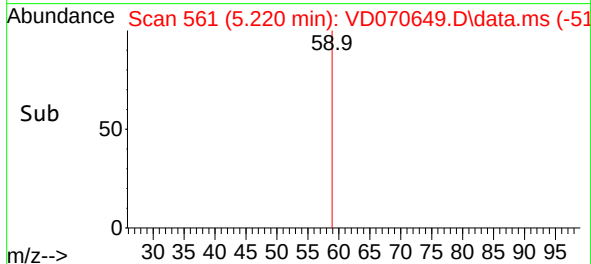
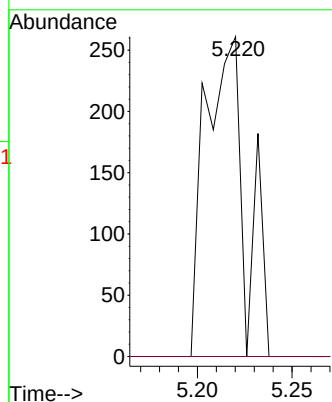
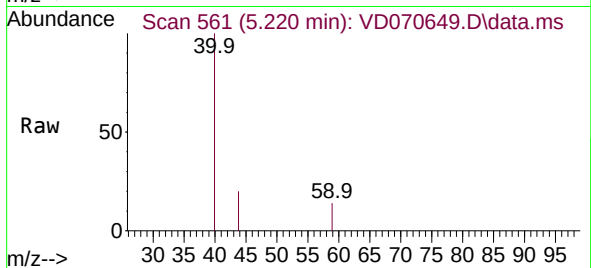


#11

Tert butyl alcohol
Concen: 1.754 ug/l
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD070649.D
Acq: 08 Oct 2021 20:06

Instrument :
MSVOA_D
ClientSampled :

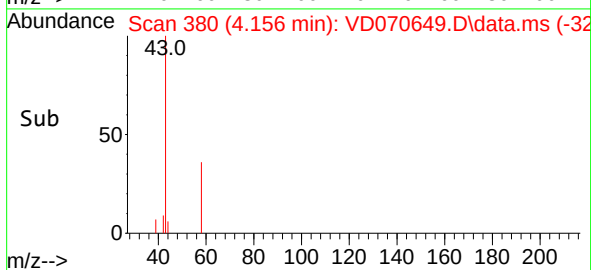
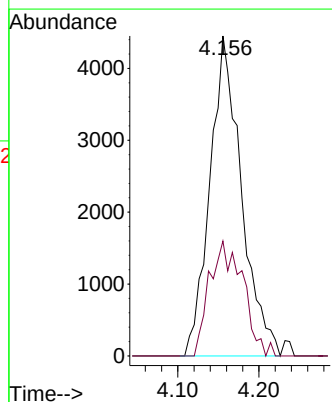
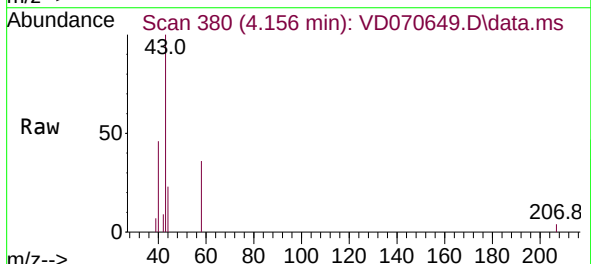
Tgt Ion: 59 Resp: 385
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

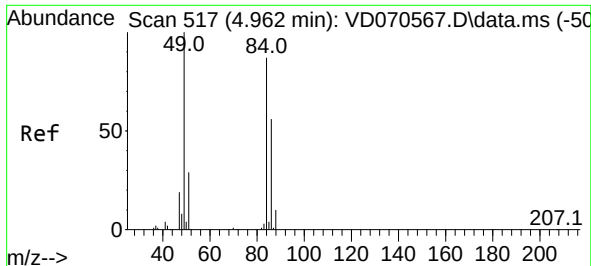


#16

Acetone
Concen: 15.950 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070649.D
Acq: 08 Oct 2021 20:06

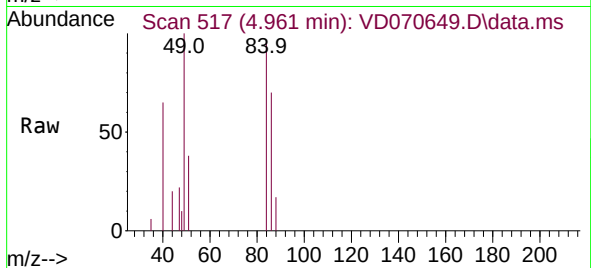
Tgt Ion: 43 Resp: 11999
Ion Ratio Lower Upper
43 100
58 35.9 28.2 42.2





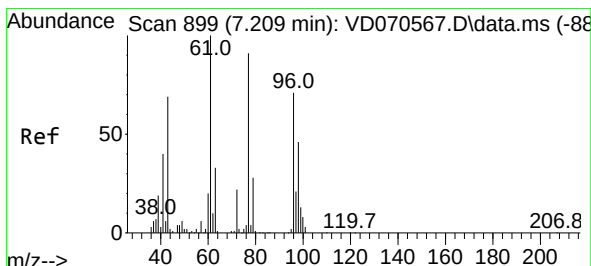
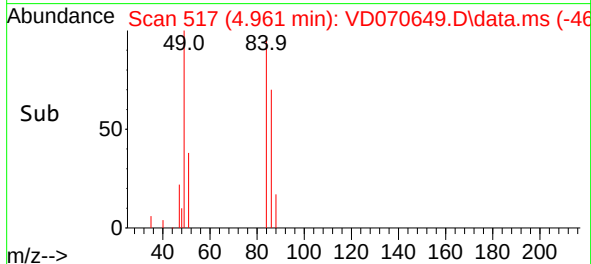
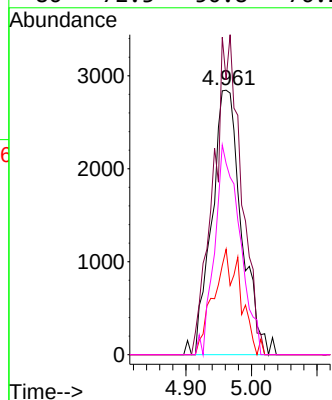
#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070649.D
Acq: 08 Oct 2021 20:06

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 8970

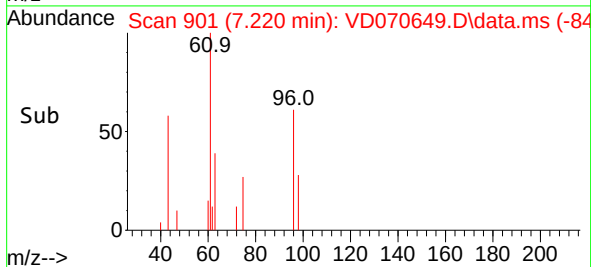
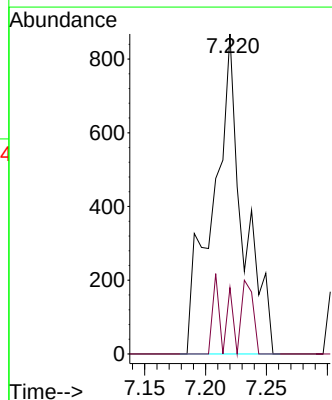
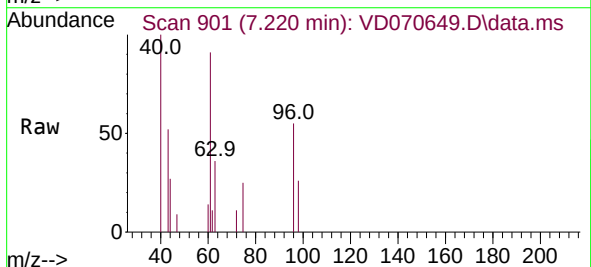
Ion	Ratio	Lower	Upper
84	100		
49	103.9	91.4	137.2
51	39.9	26.7	40.1
86	72.3	50.8	76.2

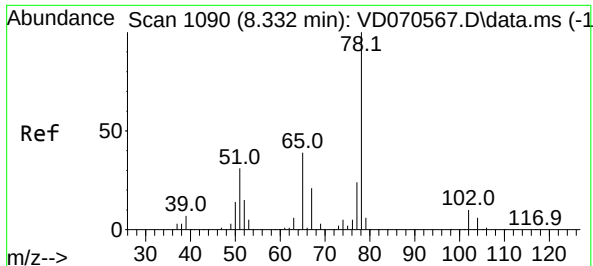


#25
2-Butanone
Concen: 1.512 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.012 min
Lab File: VD070649.D
Acq: 08 Oct 2021 20:06

Tgt Ion: 43 Resp: 1489

Ion	Ratio	Lower	Upper
43	100		
72	20.7	25.2	37.8#



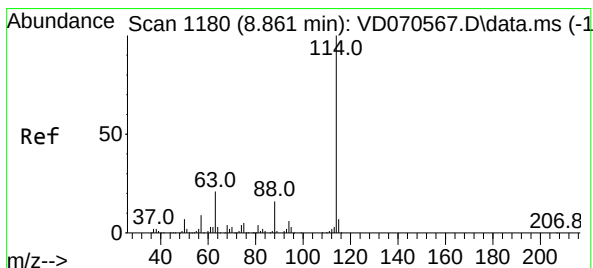
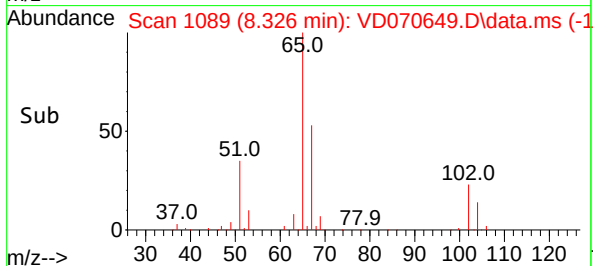
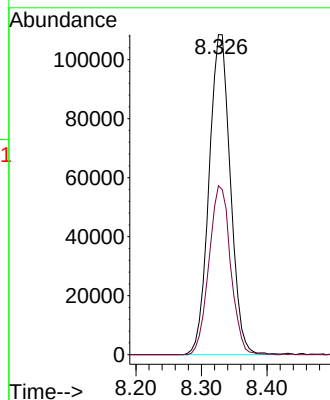
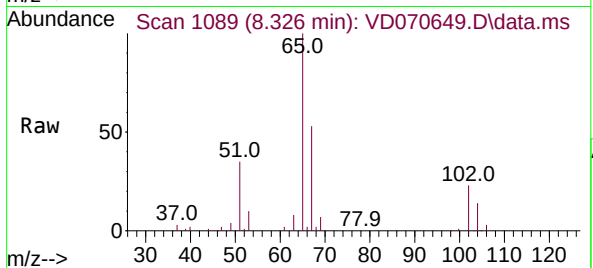


#33

1,2-Dichloroethane-d4
Concen: 55.424 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070649.D
Acq: 08 Oct 2021 20:06

Instrument :
MSVOA_D
ClientSampleId :

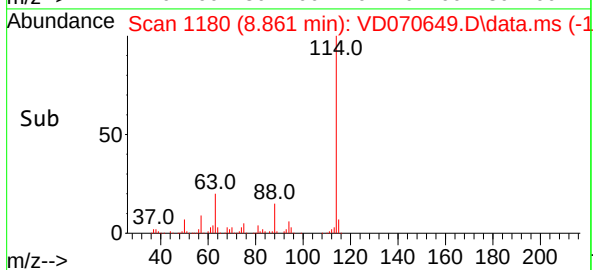
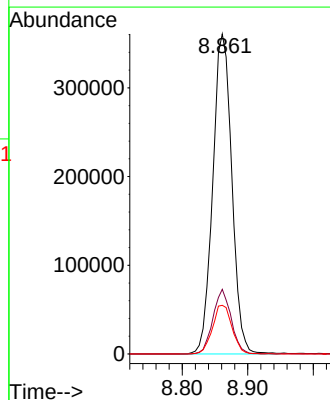
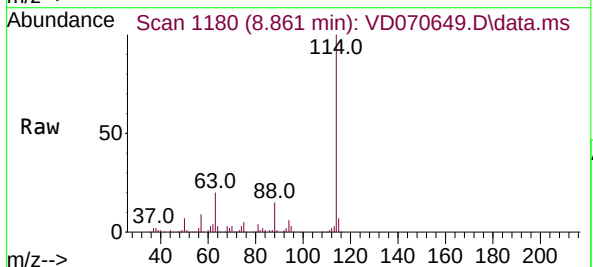
Tgt Ion: 65 Resp: 245531
Ion Ratio Lower Upper
65 100
67 53.4 0.0 110.2

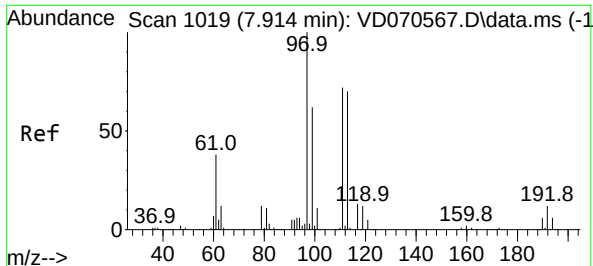


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070649.D
Acq: 08 Oct 2021 20:06

Tgt Ion: 114 Resp: 727281
Ion Ratio Lower Upper
114 100
63 20.2 0.0 41.8
88 15.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.472 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070649.D

Acq: 08 Oct 2021 20:06

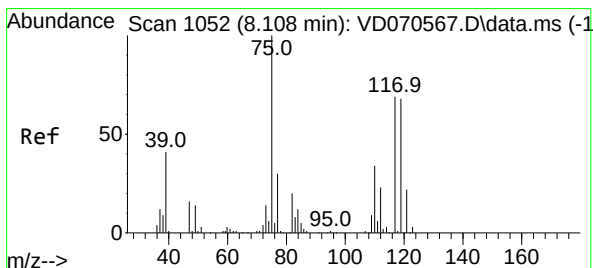
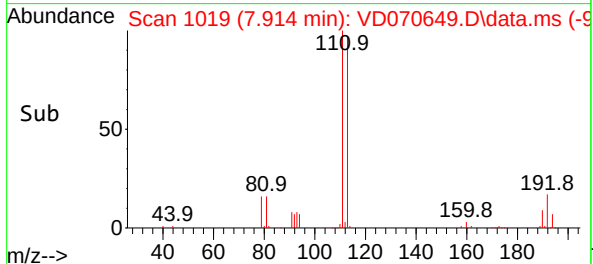
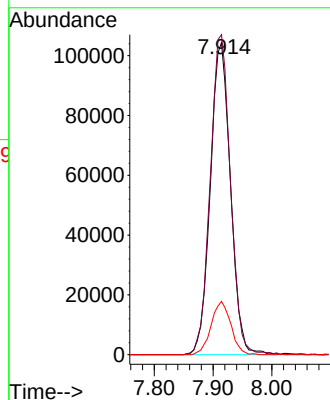
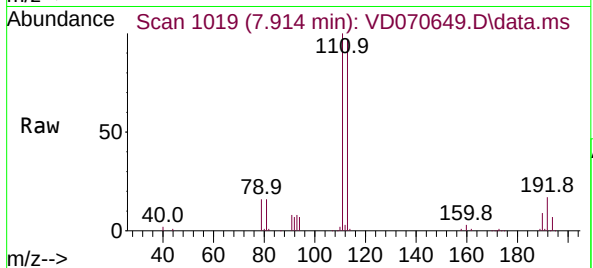
Tgt Ion:113 Resp: 248888

Ion Ratio Lower Upper

113 100

111 102.9 83.1 124.7

192 16.7 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.215 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD070649.D

Acq: 08 Oct 2021 20:06

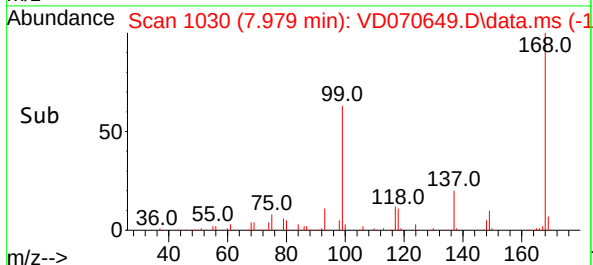
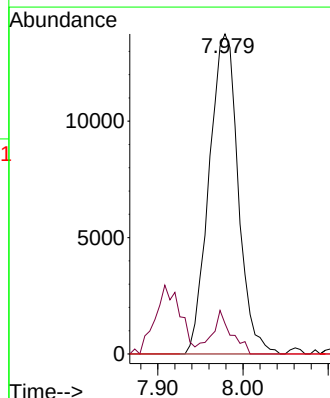
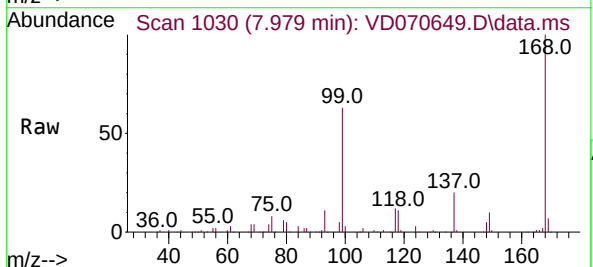
Tgt Ion: 75 Resp: 32559

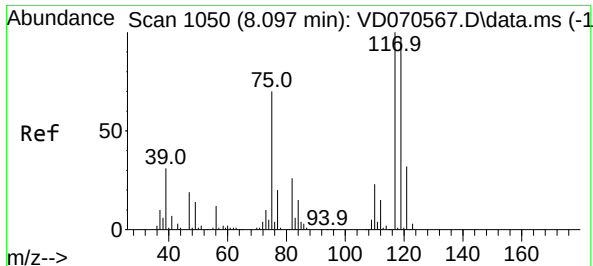
Ion Ratio Lower Upper

75 100

110 9.2 17.2 51.6#

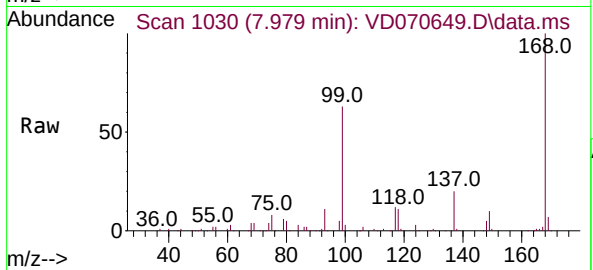
77 0.0 24.2 36.4#



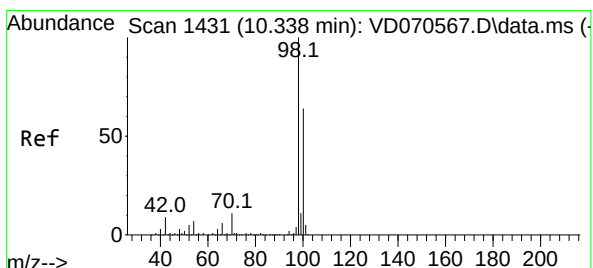
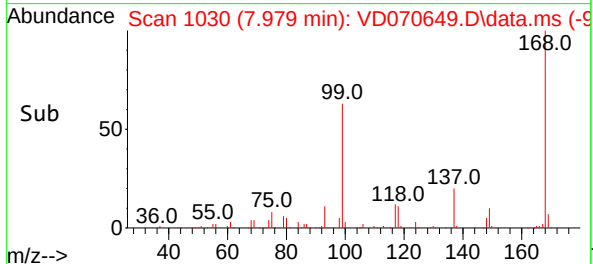
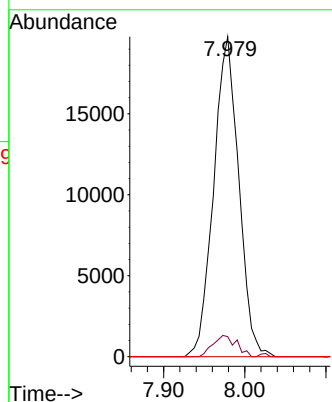


#38
Carbon Tetrachloride
Concen: 5.252 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070649.D
Acq: 08 Oct 2021 20:06

Instrument :
MSVOA_D
ClientSampled :

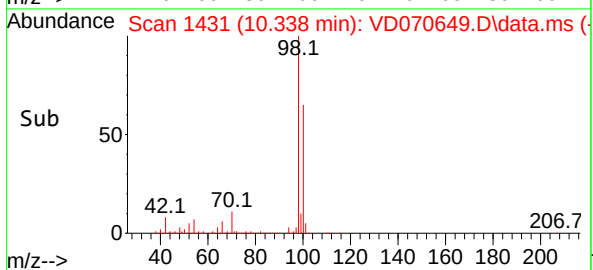
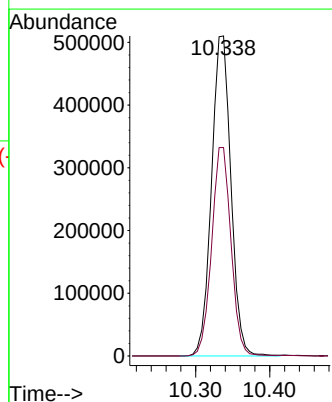
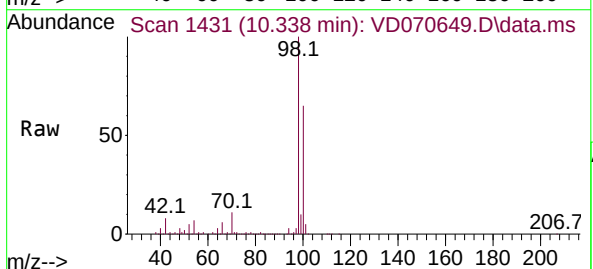


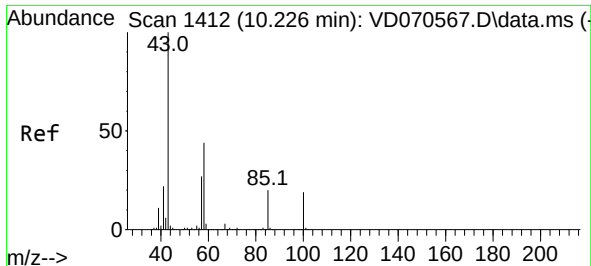
Tgt Ion:117 Resp: 42453
Ion Ratio Lower Upper
117 100
119 6.2 77.4 116.0#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 50.246 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070649.D
Acq: 08 Oct 2021 20:06

Tgt Ion: 98 Resp: 928803
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.4

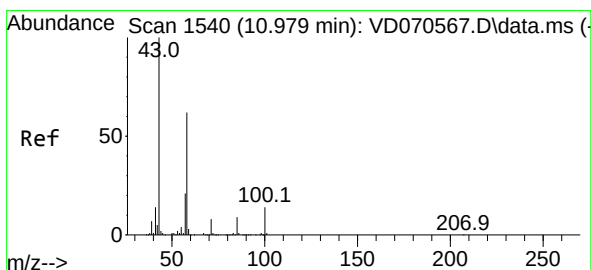
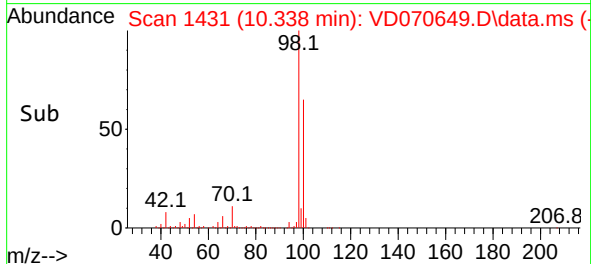
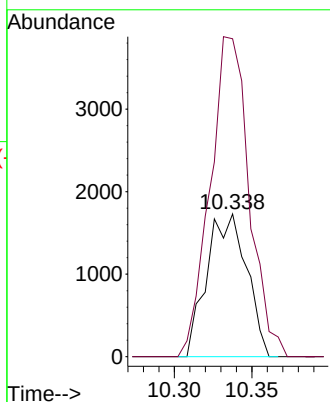
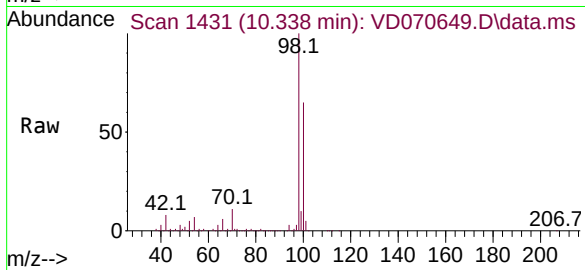




#51
4-Methyl-2-Pentanone
Concen: 1.275 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD070649.D
Acq: 08 Oct 2021 20:06

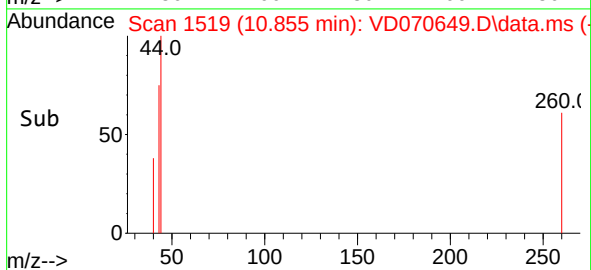
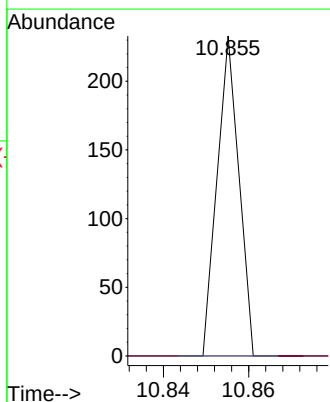
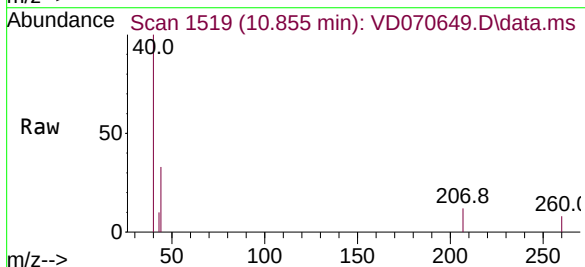
Instrument :
MSVOA_D
ClientSampleId :

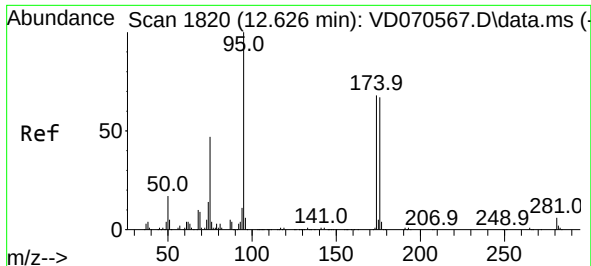
Tgt Ion: 43 Resp: 3093
Ion Ratio Lower Upper
43 100
58 219.9 35.0 52.6#



#59
2-Hexanone
Concen: Below Cal
RT: 10.855 min Scan# 1519
Delta R.T. -0.124 min
Lab File: VD070649.D
Acq: 08 Oct 2021 20:06

Tgt Ion: 43 Resp: 82
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#

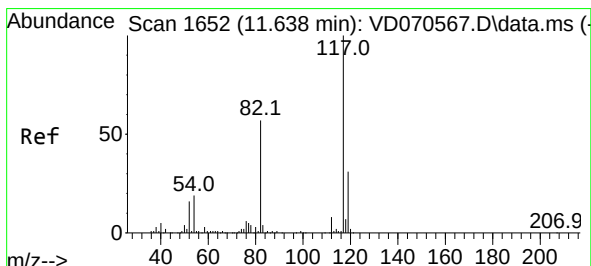
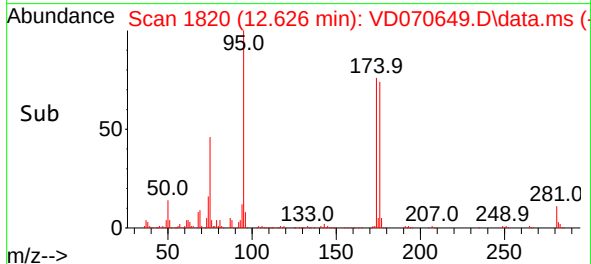
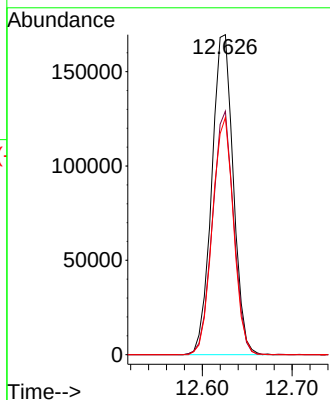
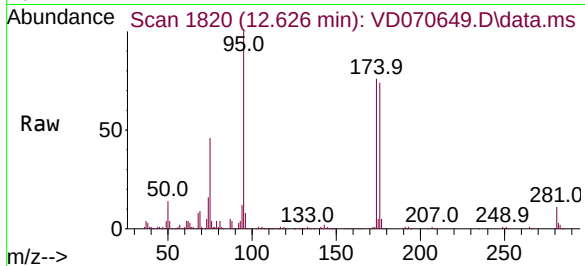




#62
4-Bromofluorobenzene
Concen: 45.765 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070649.D
Acq: 08 Oct 2021 20:06

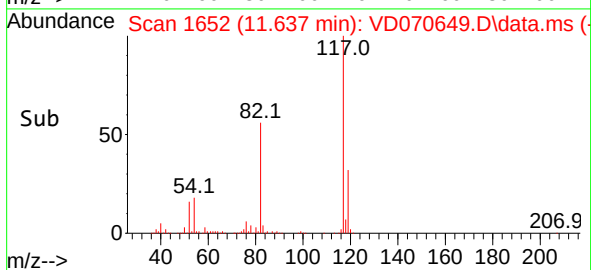
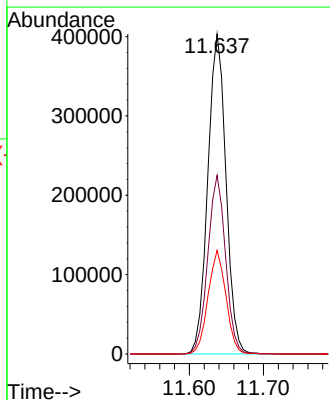
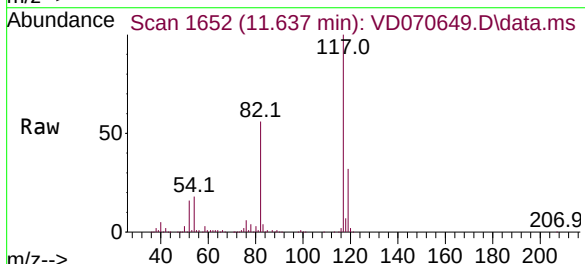
Instrument :
MSVOA_D
ClientSampleId :

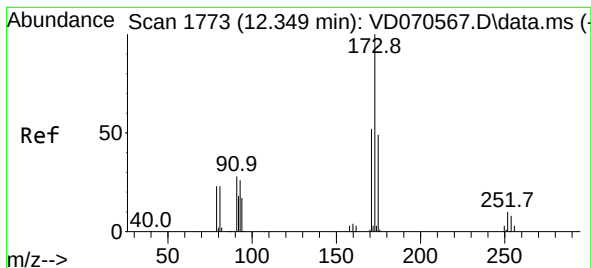
Tgt Ion: 95 Resp: 282744
Ion Ratio Lower Upper
95 100
174 74.9 0.0 138.0
176 72.8 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070649.D
Acq: 08 Oct 2021 20:06

Tgt Ion: 117 Resp: 687023
Ion Ratio Lower Upper
117 100
82 55.8 45.4 68.2
119 32.3 24.7 37.1

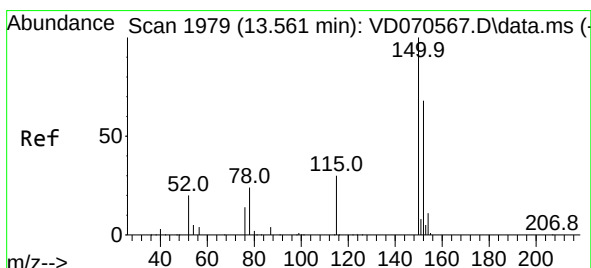
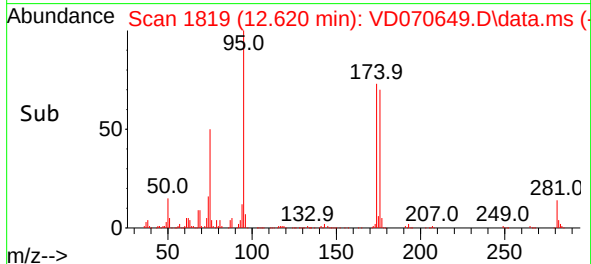
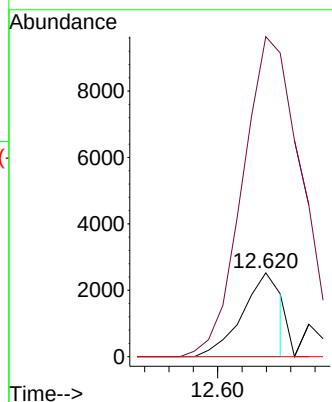
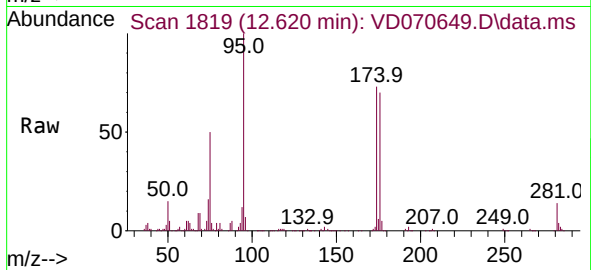




#71
Bromoform
Concen: 1.095 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.270 min
Lab File: VD070649.D
Acq: 08 Oct 2021 20:06

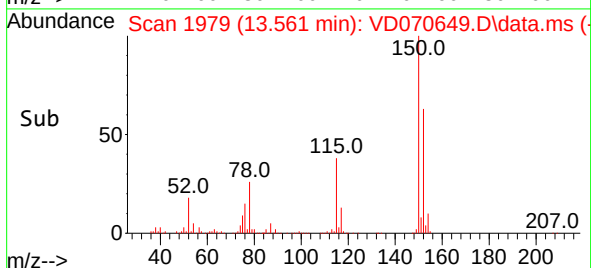
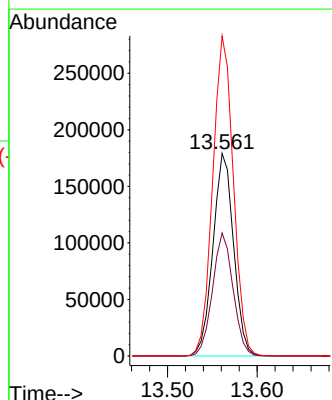
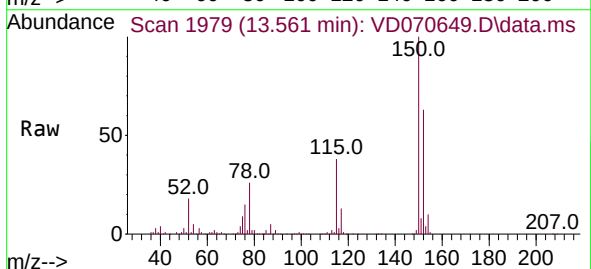
Instrument :
MSVOA_D
ClientSampleId :

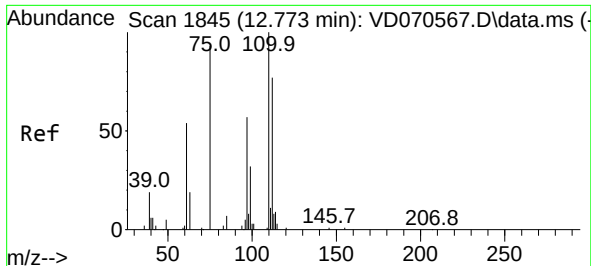
Tgt Ion:173 Resp: 2801
Ion Ratio Lower Upper
173 100
175 408.7 24.4 73.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070649.D
Acq: 08 Oct 2021 20:06

Tgt Ion:152 Resp: 285883
Ion Ratio Lower Upper
152 100
115 60.4 31.9 95.7
150 158.1 0.0 350.0

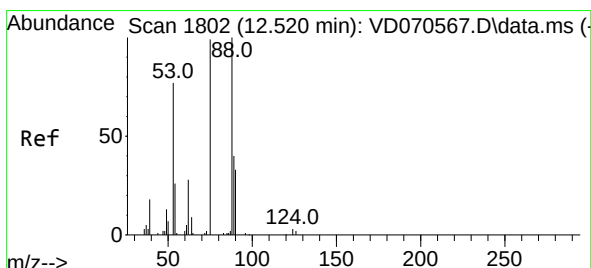
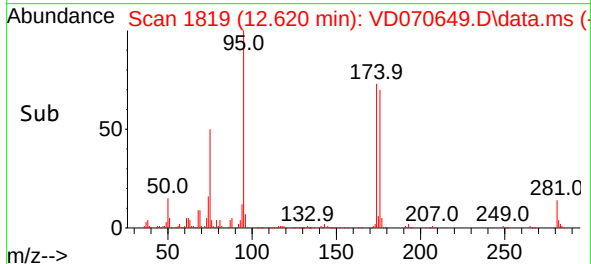
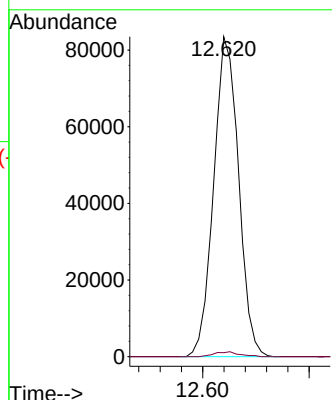
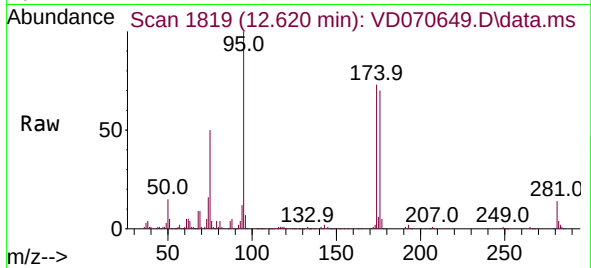




#76
1,2,3-Trichloropropane
Concen: 52.272 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070649.D
Acq: 08 Oct 2021 20:06

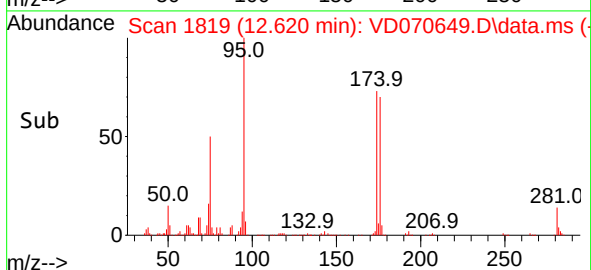
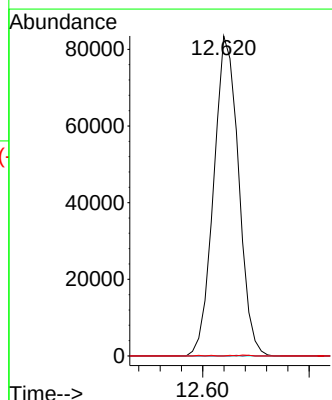
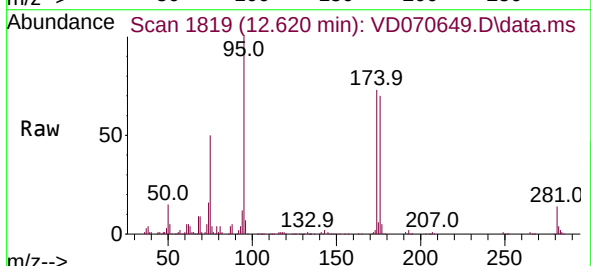
Instrument :
MSVOA_D
ClientSampleId :

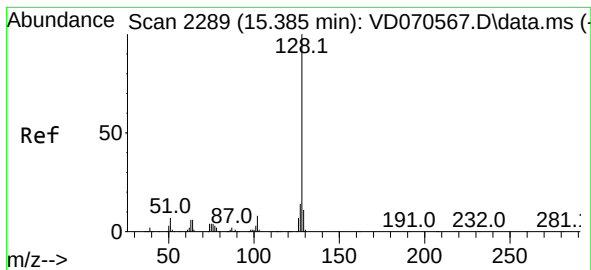
Tgt Ion: 75 Resp: 135257
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 116.053 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070649.D
Acq: 08 Oct 2021 20:06

Tgt Ion: 75 Resp: 135257
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.1 35.3 52.9#





#95
Naphthalene
Concen: 2.499 ug/l
RT: 15.378 min Scan# 2288
Delta R.T. -0.007 min
Lab File: VD070649.D
Acq: 08 Oct 2021 20:06

Instrument :
MSVOA_D
ClientSampleId :

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

