

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081621\
 Data File : VD070067.D
 Acq On : 16 Aug 2021 15:22
 Operator : VA/SY
 Sample : M3368-18
 Misc : 6.26G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 17 03:56:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	565499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1152055	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	1072278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	438049	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	380237	57.169	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.340%
35) Dibromofluoromethane	7.914	113	374478	50.313	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.620%
50) Toluene-d8	10.338	98	1467557	50.694	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.380%
62) 4-Bromofluorobenzene	12.626	95	451814	47.384	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.760%

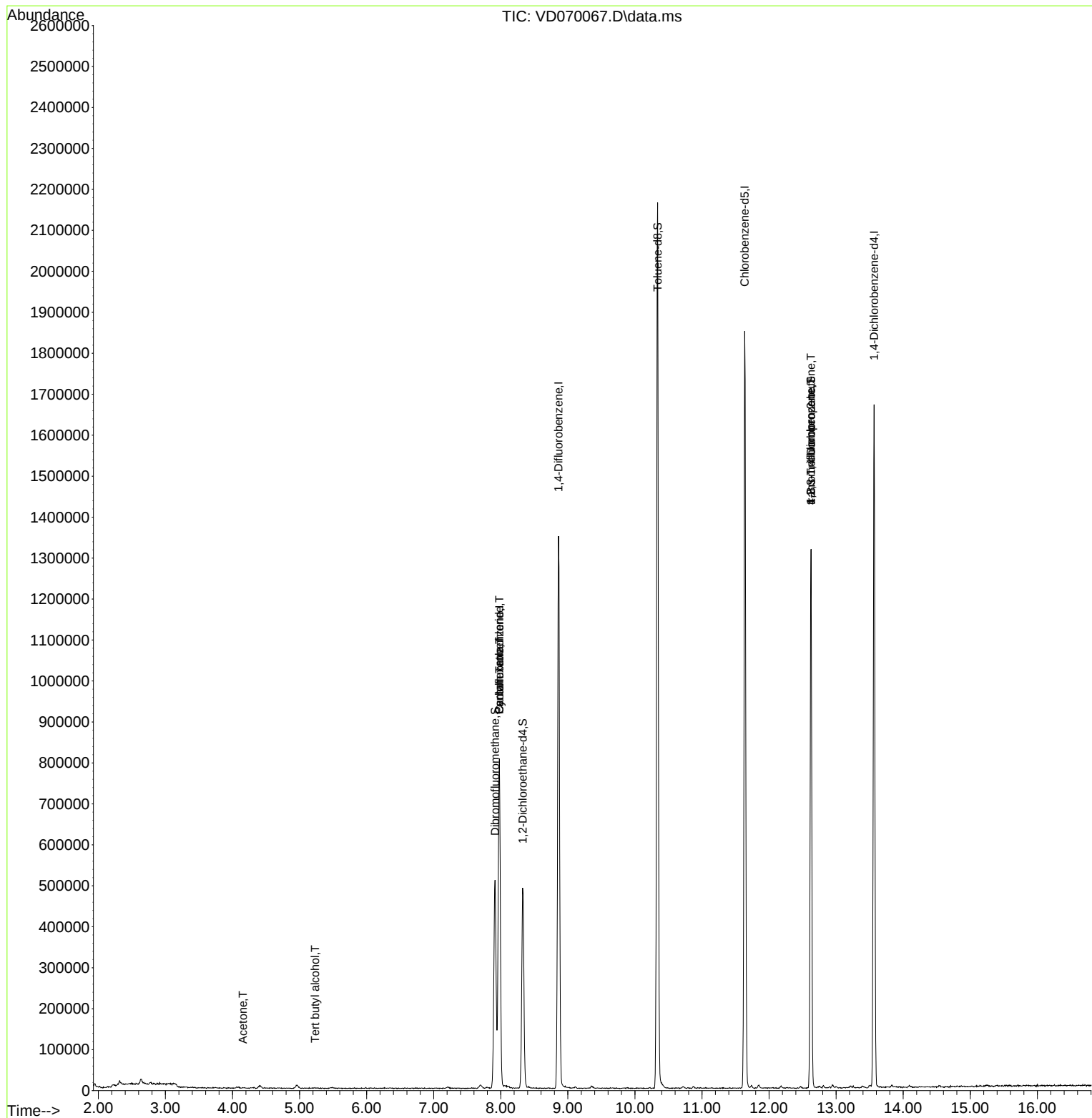
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.997	85	1133	Below Cal	#	42
3) Chloromethane	2.203	50	2694	Below Cal	#	87
5) Bromomethane	2.785	94	3797	Below Cal		87
11) Tert butyl alcohol	5.232	59	680	1.850	ug/l #	71
16) Acetone	4.156	43	1759	1.436	ug/l #	85
20) Methylene Chloride	4.967	84	5163	Below Cal	#	85
31) Cyclohexane	7.979	56	15300	1.162	ug/l #	1
38) Carbon Tetrachloride	7.979	117	61837	5.496	ug/l #	14
76) 1,2,3-Trichloropropane	12.626	75	223045	50.208	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	223045	130.322	ug/l #	18

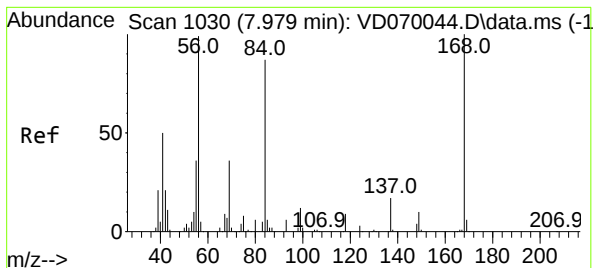
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 14 02:33:51 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VD070067.D

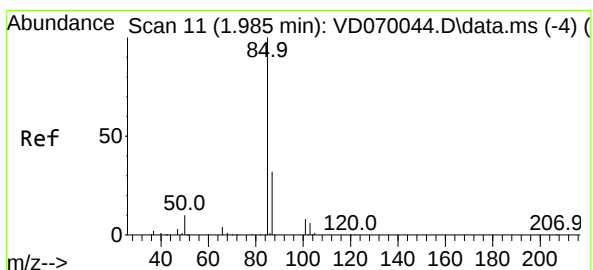
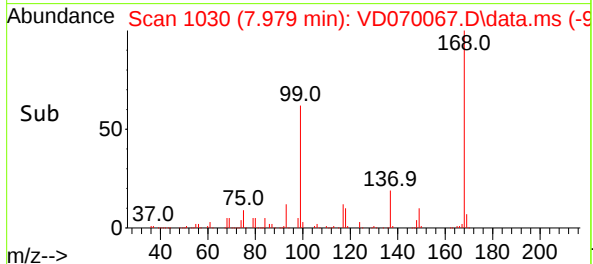
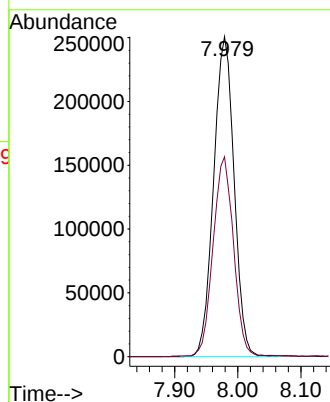
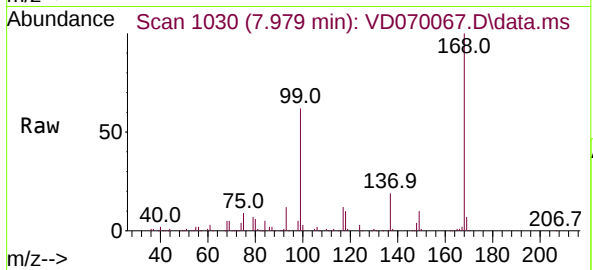
Acq: 16 Aug 2021 15:22

Tgt Ion:168 Resp: 565499

Ion Ratio Lower Upper

168 100

99 62.2 50.3 75.5



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.997 min Scan# 13

Delta R.T. 0.012 min

Lab File: VD070067.D

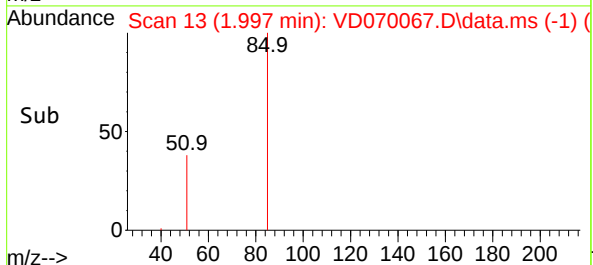
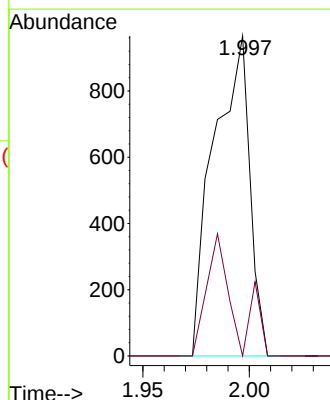
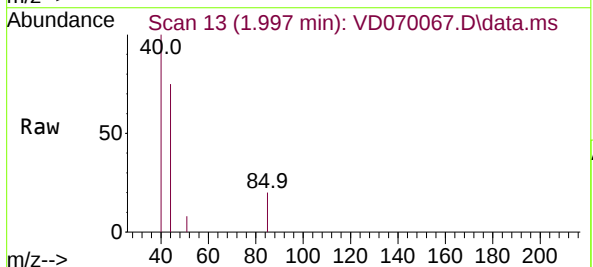
Acq: 16 Aug 2021 15:22

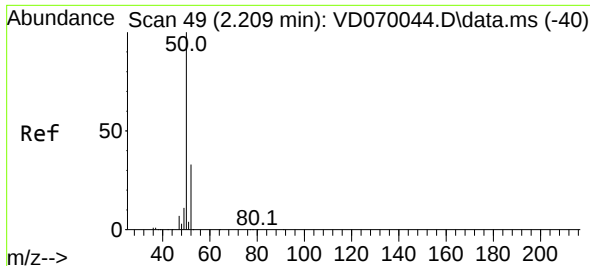
Tgt Ion: 85 Resp: 1133

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.6#

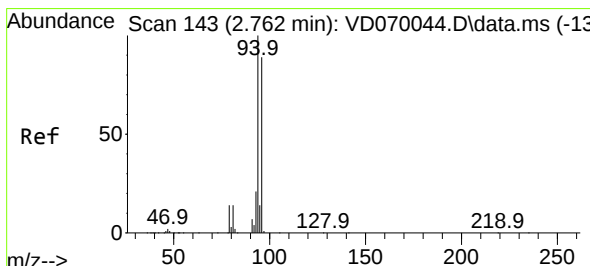
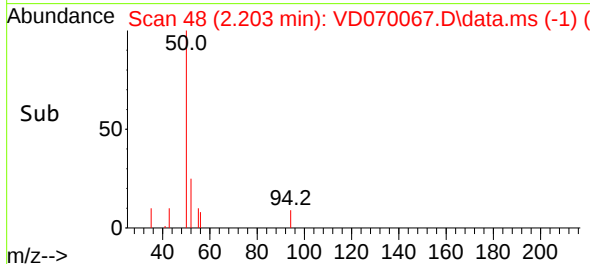
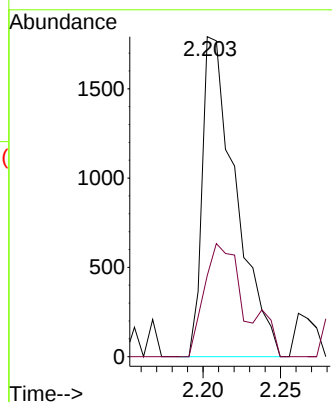
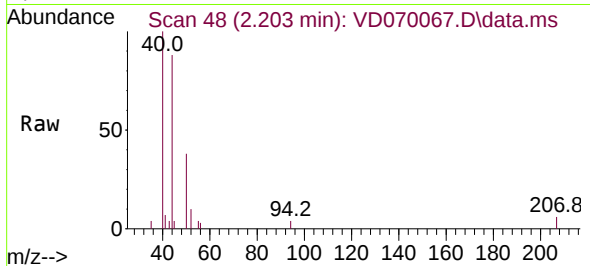




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070067.D
Acq: 16 Aug 2021 15:22

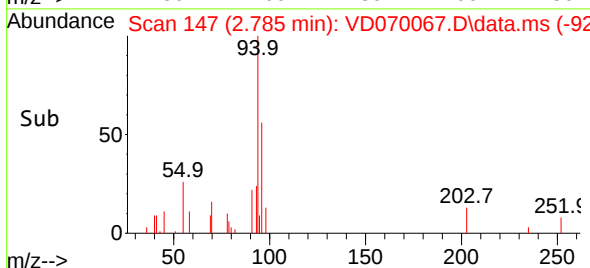
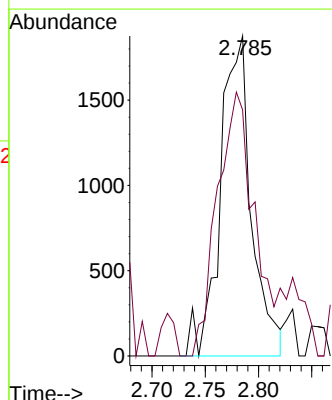
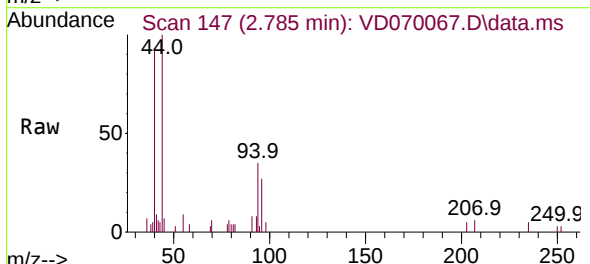
Instrument :
MSVOA_D
ClientSampled :

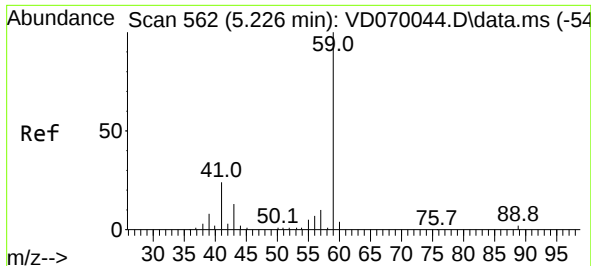
Tgt Ion: 50 Resp: 2694
Ion Ratio Lower Upper
50 100
52 25.3 26.3 39.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070067.D
Acq: 16 Aug 2021 15:22

Tgt Ion: 94 Resp: 3797
Ion Ratio Lower Upper
94 100
96 76.9 70.9 106.3



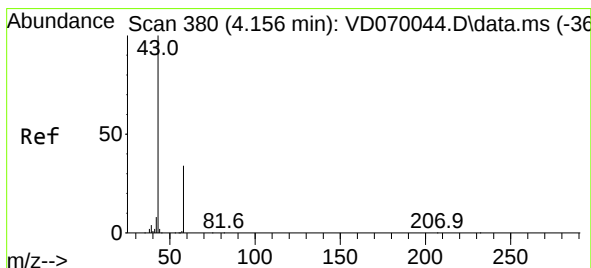
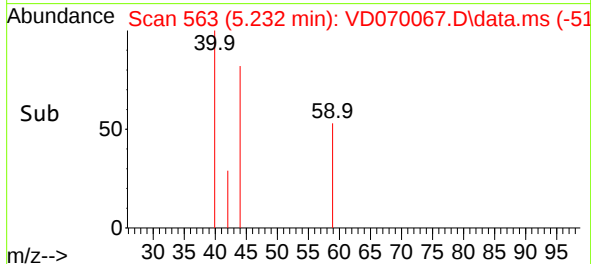
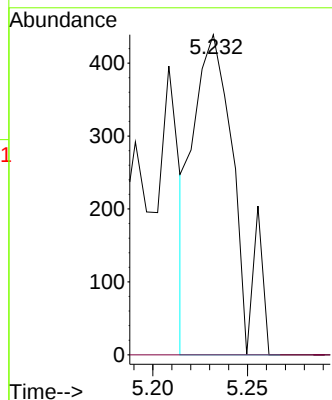
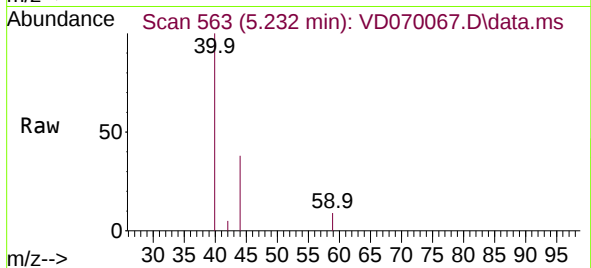


#11

Tert butyl alcohol
Concen: 1.850 ug/l
RT: 5.232 min Scan# 563
Delta R.T. 0.006 min
Lab File: VD070067.D
Acq: 16 Aug 2021 15:22

Instrument :
MSVOA_D
ClientSampled :

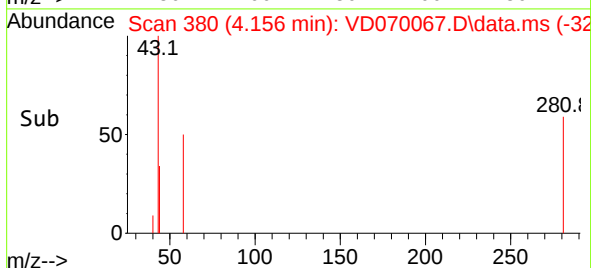
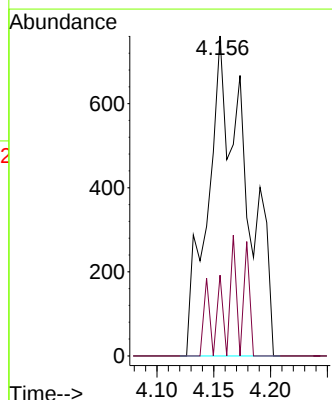
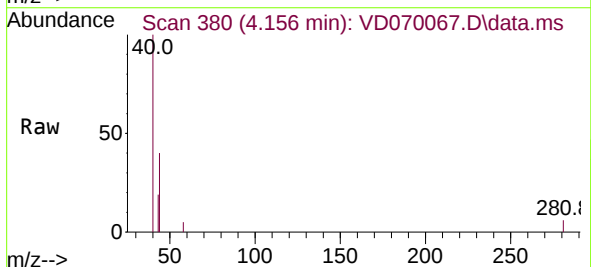
Tgt Ion: 59 Resp: 680
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

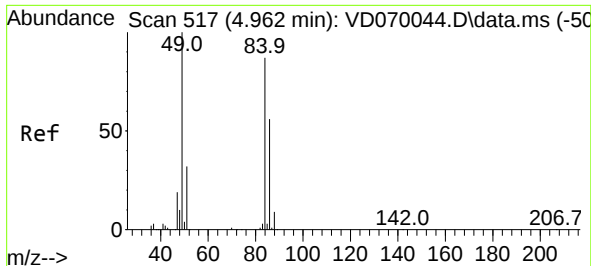


#16

Acetone
Concen: 1.436 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070067.D
Acq: 16 Aug 2021 15:22

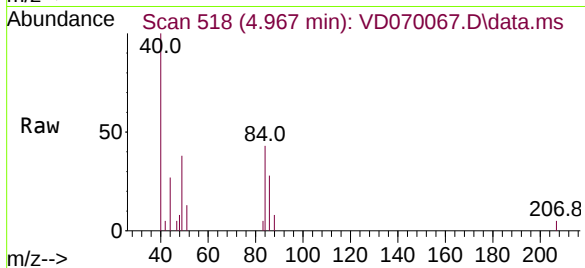
Tgt Ion: 43 Resp: 1759
Ion Ratio Lower Upper
43 100
58 25.2 26.8 40.2#



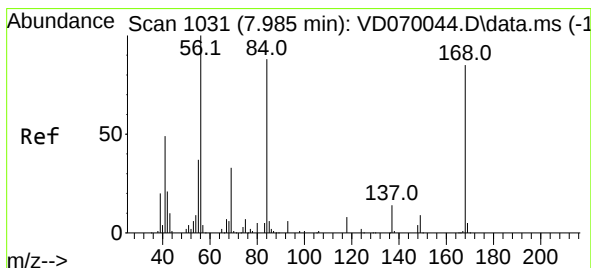
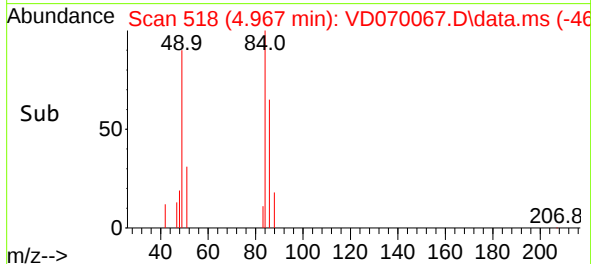
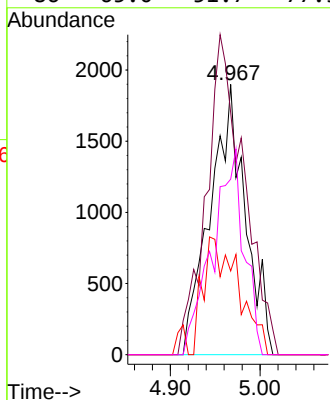


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070067.D
Acq: 16 Aug 2021 15:22

Instrument :
MSVOA_D
ClientSampled :

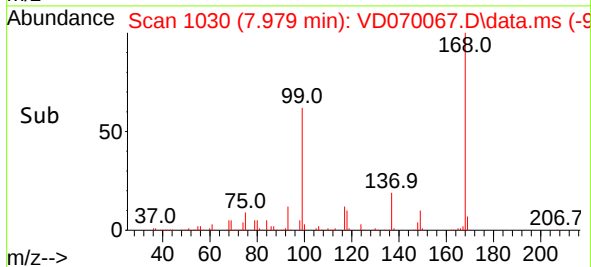
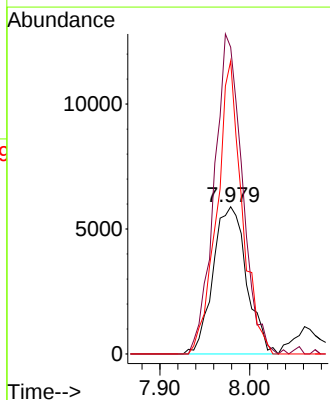
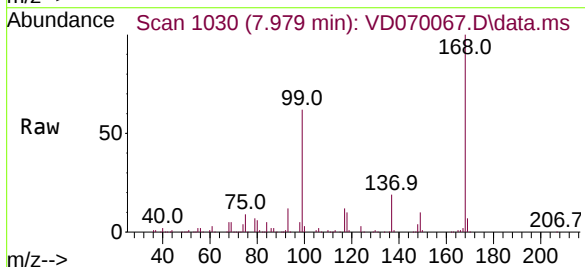


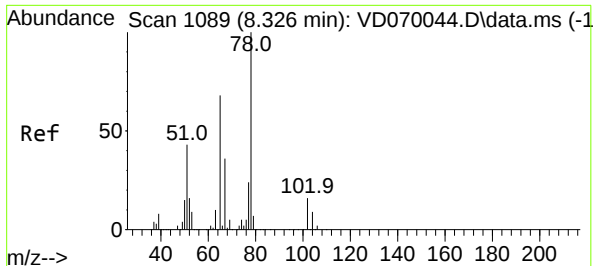
Tgt Ion: 84 Resp: 5163
Ion Ratio Lower Upper
84 100
49 89.6 92.5 138.7#
51 31.0 29.7 44.5
86 65.0 51.7 77.5



#31
Cyclohexane
Concen: 1.162 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070067.D
Acq: 16 Aug 2021 15:22

Tgt Ion: 56 Resp: 15300
Ion Ratio Lower Upper
56 100
69 208.3 26.7 40.1#
84 199.0 70.4 105.6#

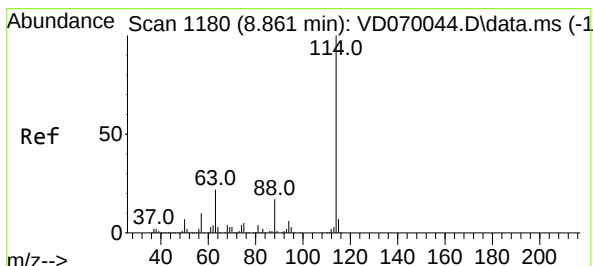
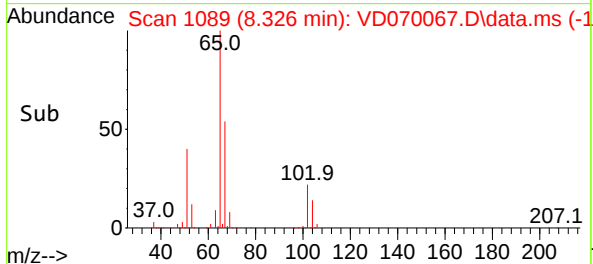
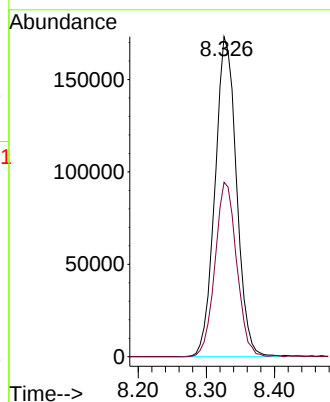
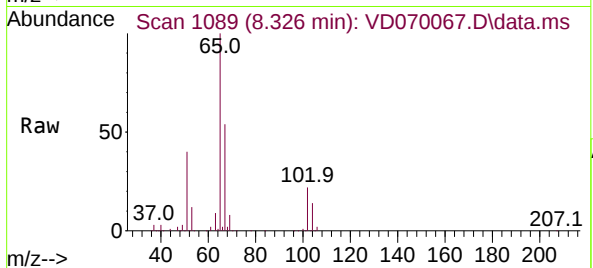




#33
1,2-Dichloroethane-d4
Concen: 57.169 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070067.D
Acq: 16 Aug 2021 15:22

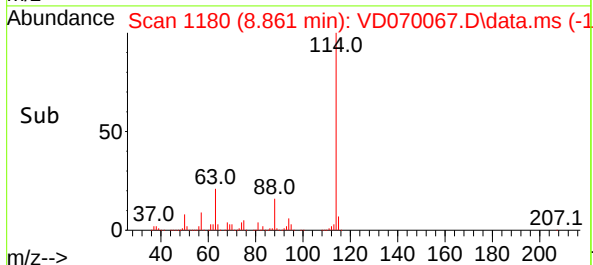
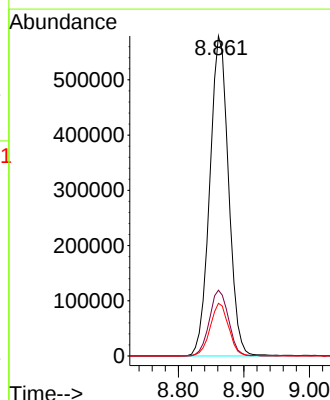
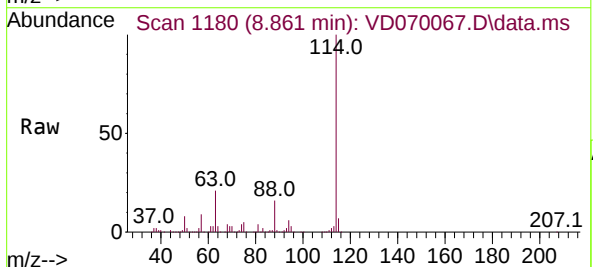
Instrument :
MSVOA_D
ClientSampleId :

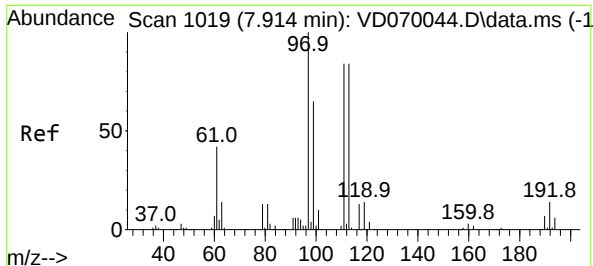
Tgt Ion: 65 Resp: 380237
Ion Ratio Lower Upper
65 100
67 54.7 0.0 107.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070067.D
Acq: 16 Aug 2021 15:22

Tgt Ion:114 Resp: 1152055
Ion Ratio Lower Upper
114 100
63 20.5 0.0 43.6
88 16.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.313 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070067.D

Acq: 16 Aug 2021 15:22

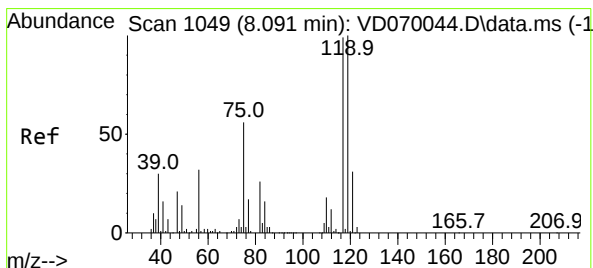
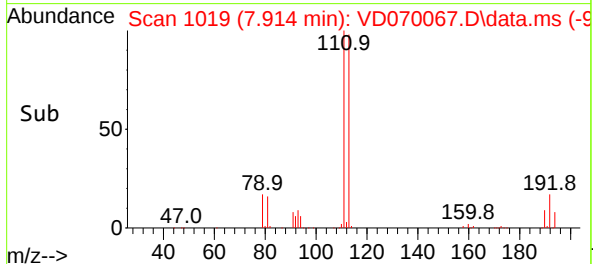
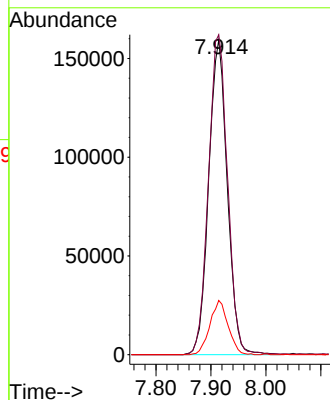
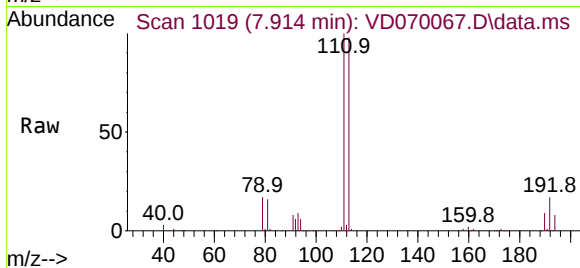
Tgt Ion:113 Resp: 374478

Ion Ratio Lower Upper

113 100

111 104.8 81.8 122.6

192 16.9 13.2 19.8



#38

Carbon Tetrachloride

Concen: 5.496 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.112 min

Lab File: VD070067.D

Acq: 16 Aug 2021 15:22

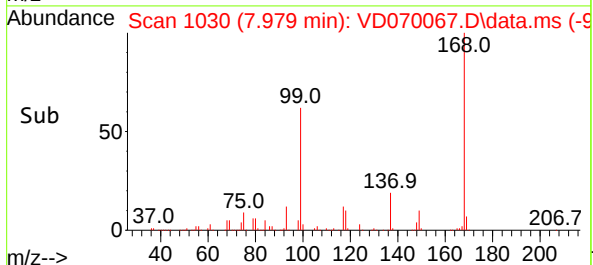
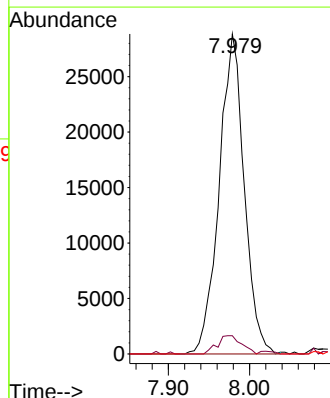
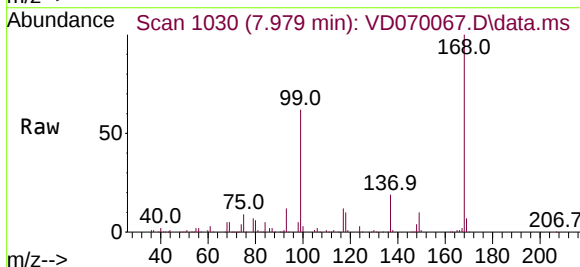
Tgt Ion:117 Resp: 61837

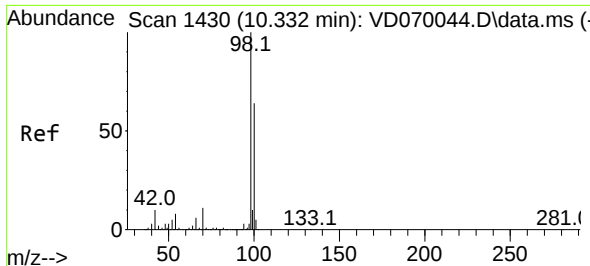
Ion Ratio Lower Upper

117 100

119 5.7 81.0 121.6#

121 0.0 25.0 37.6#

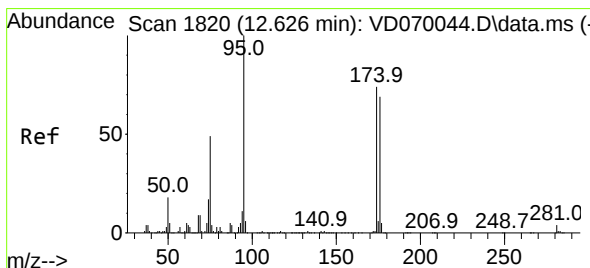
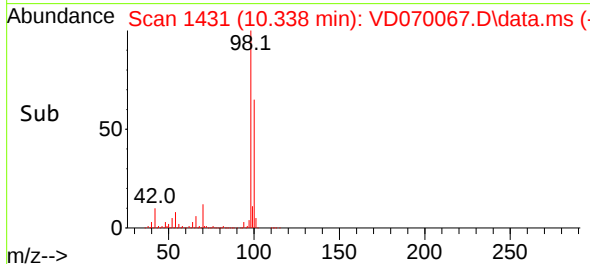
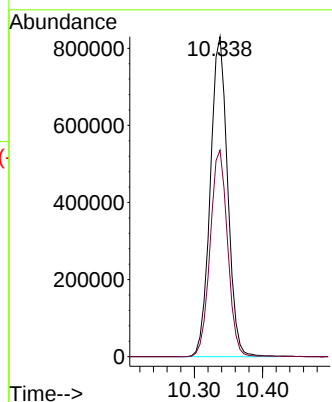
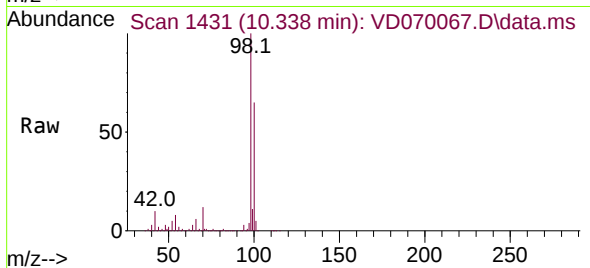




#50
Toluene-d8
Concen: 50.694 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070067.D
Acq: 16 Aug 2021 15:22

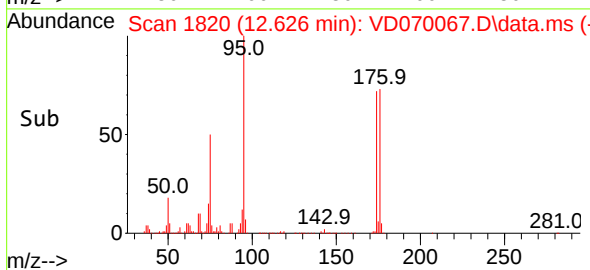
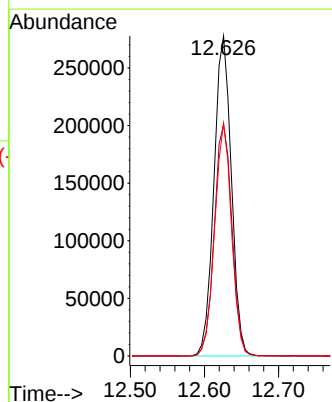
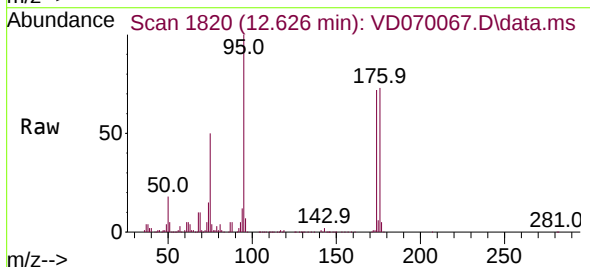
Instrument :
MSVOA_D
ClientSampleId :

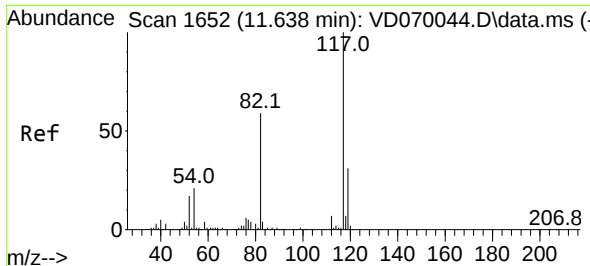
Tgt Ion: 98 Resp: 1467557
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 47.384 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070067.D
Acq: 16 Aug 2021 15:22

Tgt Ion: 95 Resp: 451814
Ion Ratio Lower Upper
95 100
174 73.7 0.0 141.6
176 70.6 0.0 138.2

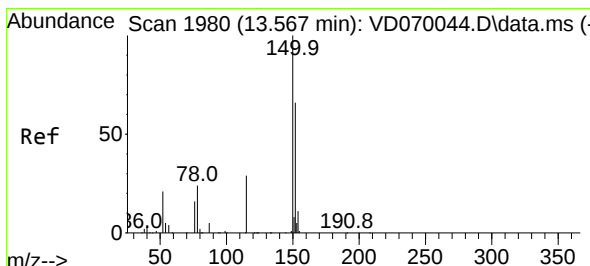
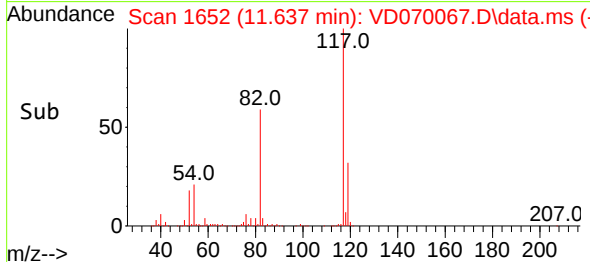
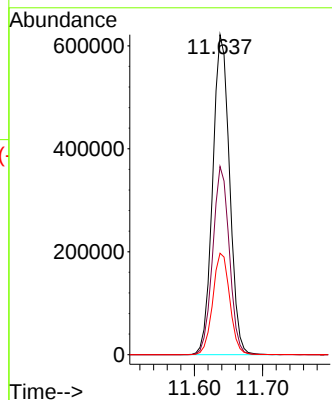
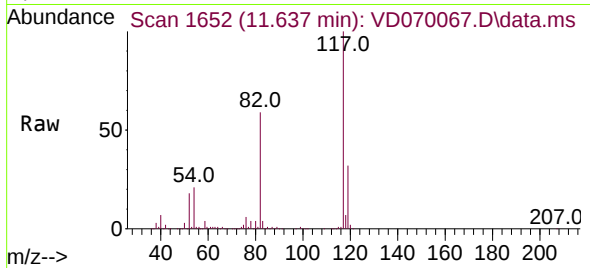




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070067.D
Acq: 16 Aug 2021 15:22

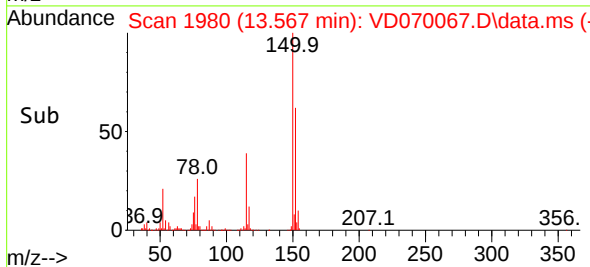
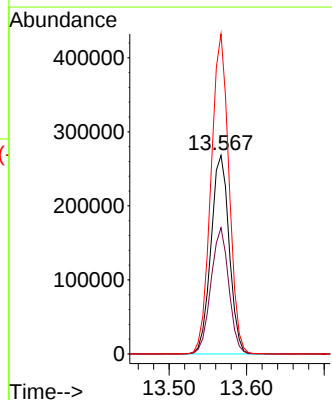
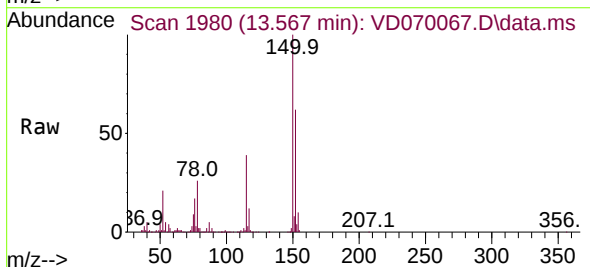
Instrument :
MSVOA_D
ClientSampled :

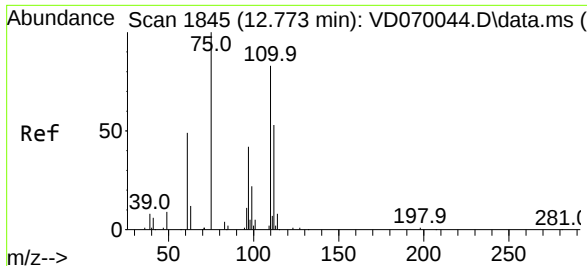
Tgt Ion:117 Resp: 1072278
Ion Ratio Lower Upper
117 100
82 58.8 47.5 71.3
119 31.7 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070067.D
Acq: 16 Aug 2021 15:22

Tgt Ion:152 Resp: 438049
Ion Ratio Lower Upper
152 100
115 62.3 31.2 93.6
150 158.7 0.0 352.0

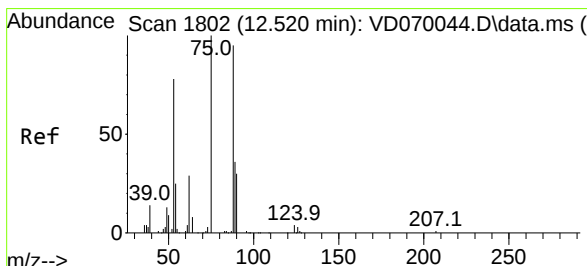
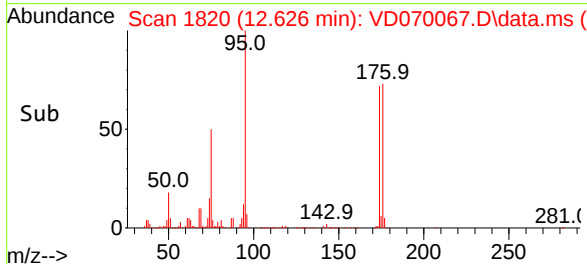
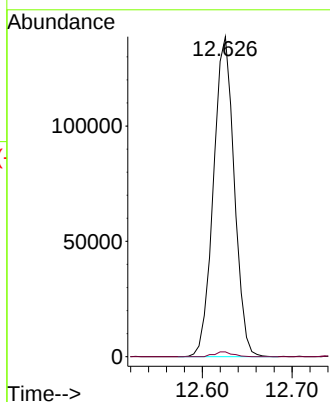
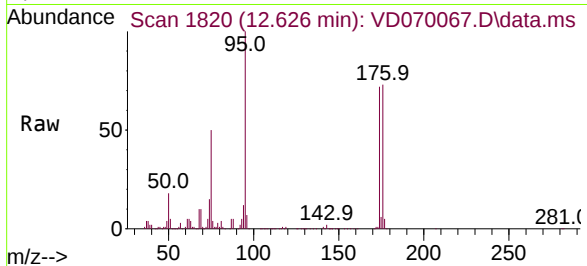




#76
1,2,3-Trichloropropane
Concen: 50.208 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070067.D
Acq: 16 Aug 2021 15:22

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 223045
Ion Ratio Lower Upper
75 100
77 1.3 182.4 547.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.322 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070067.D
Acq: 16 Aug 2021 15:22

Tgt Ion: 75 Resp: 223045
Ion Ratio Lower Upper
75 100
53 0.3 64.5 96.7#
89 0.0 33.7 50.5#

