

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
 Data File : VD070376.D
 Acq On : 20 Sep 2021 11:27
 Operator : VA/SY
 Sample : VD0920SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBL01

Quant Time: Sep 21 03:32:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

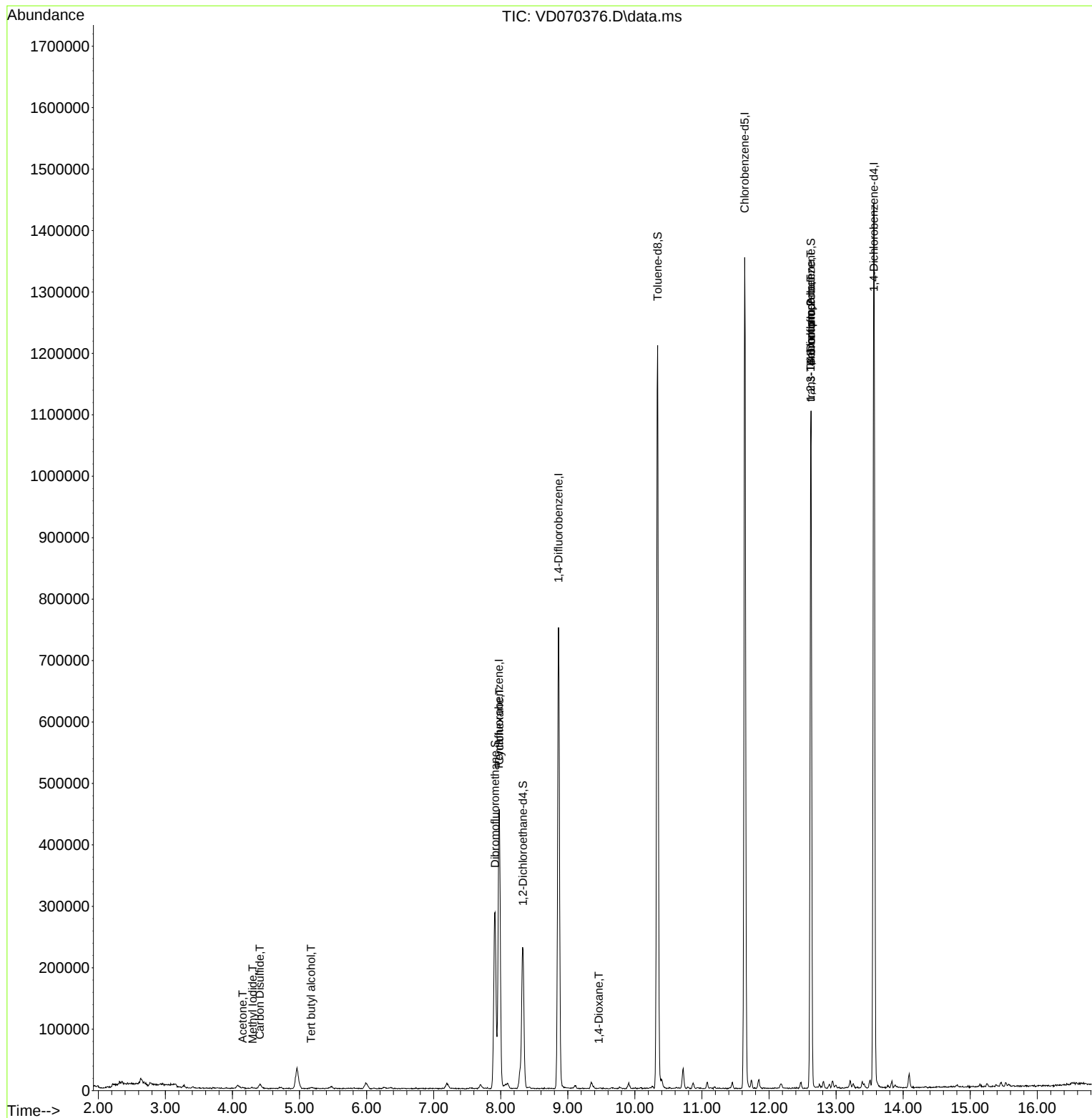
Internal Standards						
1) Pentafluorobenzene	7.973	168	318396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	631039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	787953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	384875	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	184760	45.193	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.380%		
35) Dibromofluoromethane	7.914	113	216586	48.218	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.440%		
50) Toluene-d8	10.338	98	847163	51.945	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.900%		
62) 4-Bromofluorobenzene	12.626	95	380760	66.804	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	133.600%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	2045	Below Cal		93
3) Chloromethane	2.209	50	3488	Below Cal		95
5) Bromomethane	2.785	94	2988	Below Cal	#	71
6) Chloroethane	2.926	64	1825	Below Cal	#	83
10) Methyl Iodide	4.303	142	1885	1.497 ug/l	#	52
11) Tert butyl alcohol	5.173	59	1313	2.840 ug/l	#	100
16) Acetone	4.150	43	1396	1.913 ug/l	#	76
17) Carbon Disulfide	4.409	76	14458	1.057 ug/l		97
18) Methyl Acetate	4.726	43	95	Below Cal	#	48
20) Methylene Chloride	4.962	84	25869	Below Cal		92
31) Cyclohexane	7.979	56	11311	1.606 ug/l	#	36
49) 1,4-Dioxane	9.461	88	57	2.131 ug/l	#	25
71) Bromoform	12.626	173	3640	1.232 ug/l	#	1
76) 1,2,3-Trichloropropane	12.620	75	185872	47.744 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.620	75	185872	119.628 ug/l	#	17

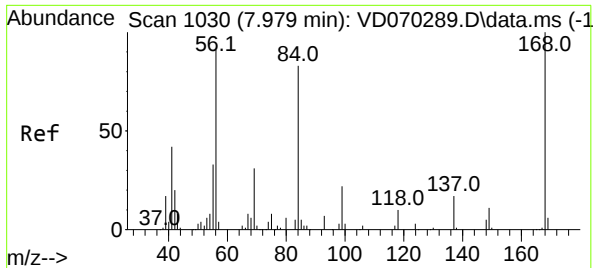
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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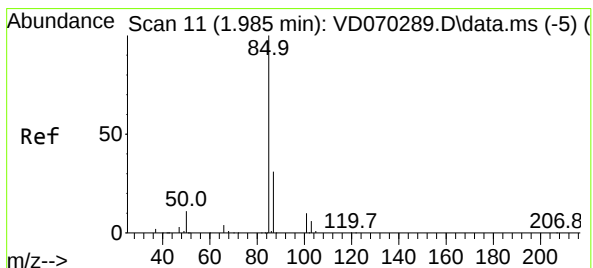
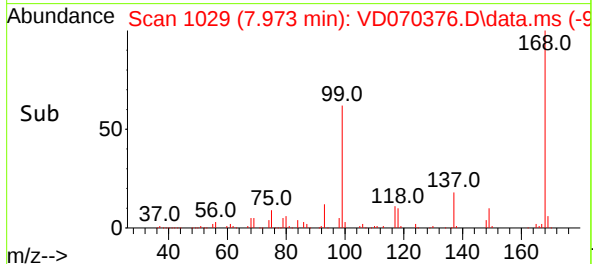
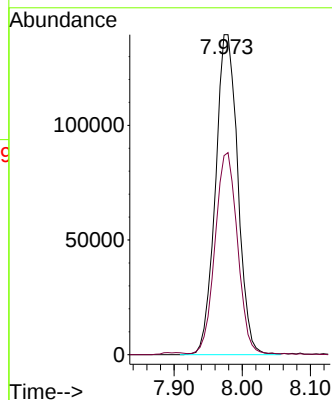
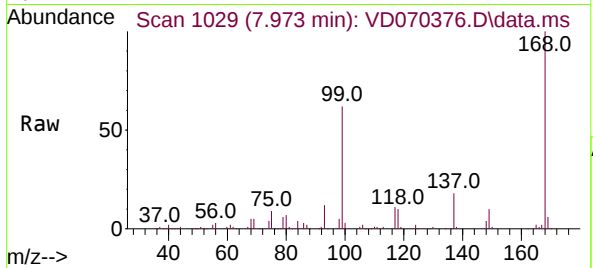




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070376.D
Acq: 20 Sep 2021 11:27

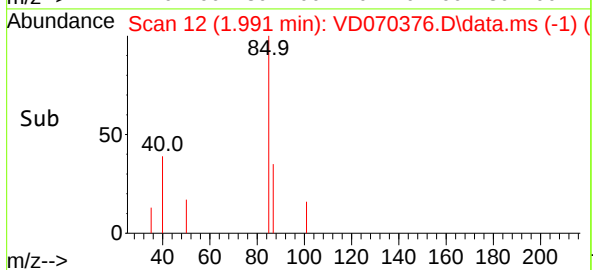
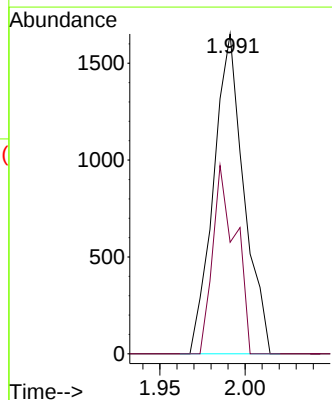
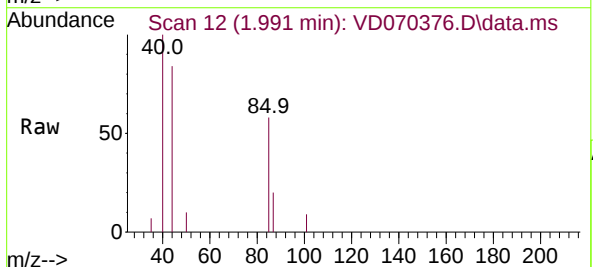
Instrument :
MSVOA_D
ClientSampleId :
VD0920SBL01

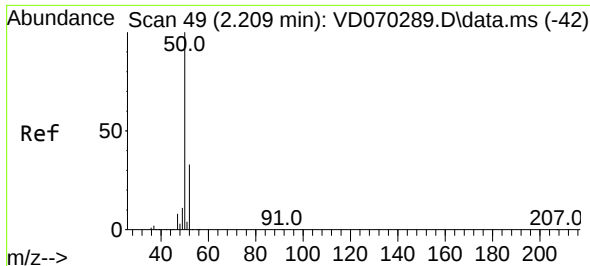
Tgt Ion:168 Resp: 318396
Ion Ratio Lower Upper
168 100
99 61.9 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070376.D
Acq: 20 Sep 2021 11:27

Tgt Ion: 85 Resp: 2045
Ion Ratio Lower Upper
85 100
87 34.9 15.6 46.8

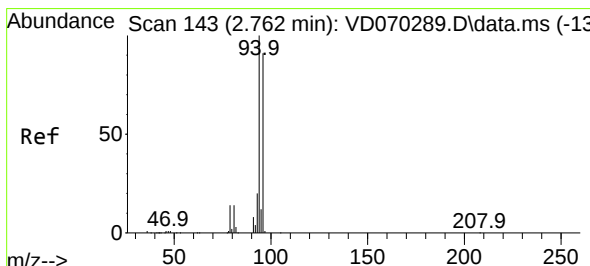
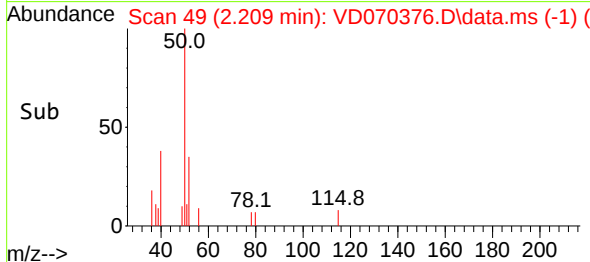
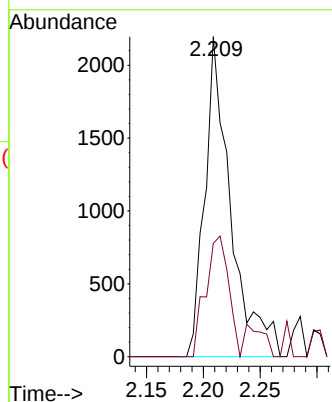
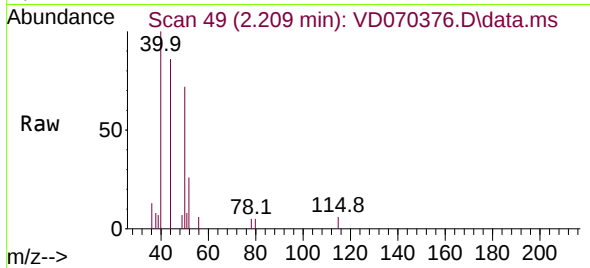




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070376.D
Acq: 20 Sep 2021 11:27

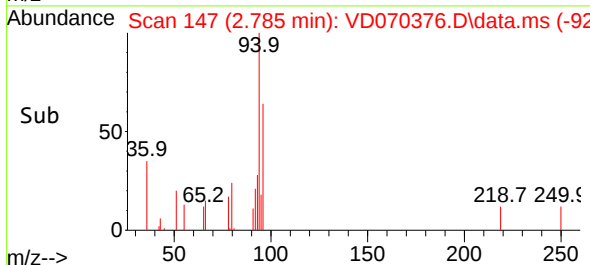
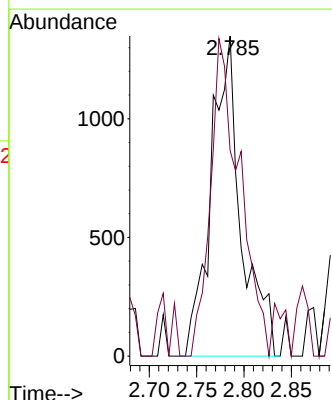
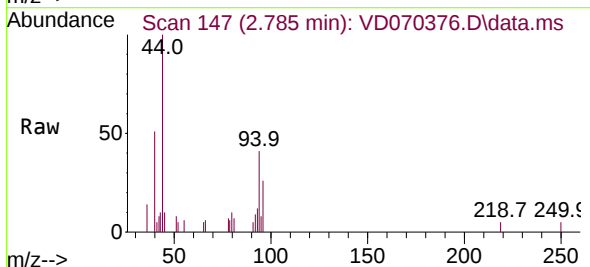
Instrument :
MSVOA_D
ClientSampleId :
VD0920SBL01

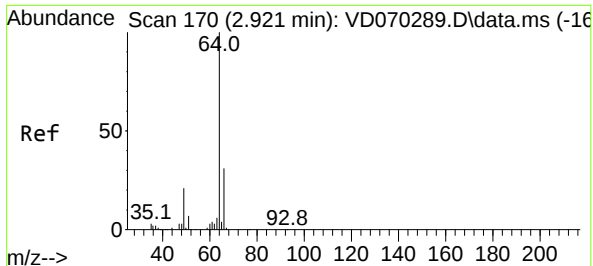
Tgt Ion: 50 Resp: 3488
Ion Ratio Lower Upper
50 100
52 35.4 26.2 39.2



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070376.D
Acq: 20 Sep 2021 11:27

Tgt Ion: 94 Resp: 2988
Ion Ratio Lower Upper
94 100
96 64.2 73.0 109.6#

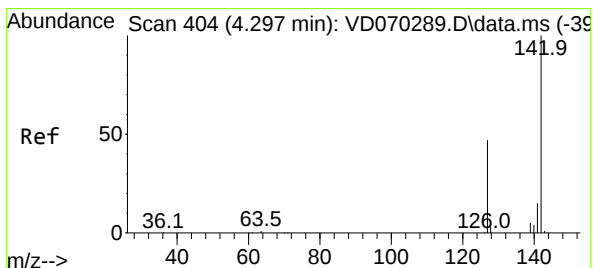
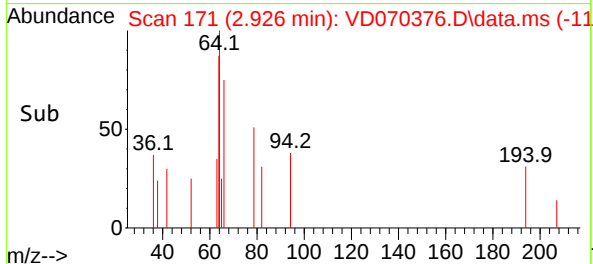
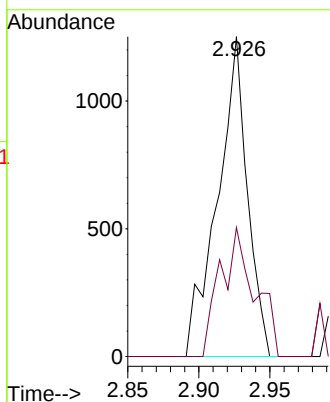
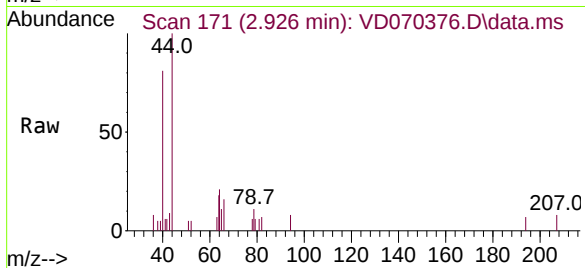




#6
Chloroethane
Concen: Below Cal
RT: 2.926 min Scan# 171
Delta R.T. 0.005 min
Lab File: VD070376.D
Acq: 20 Sep 2021 11:27

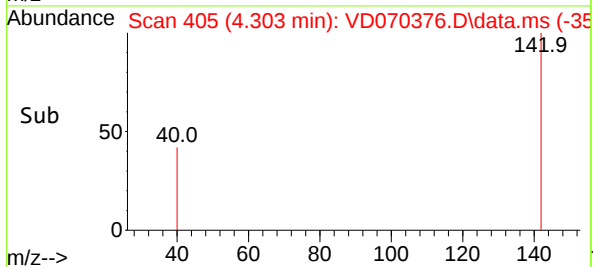
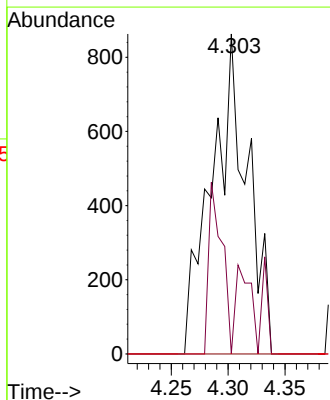
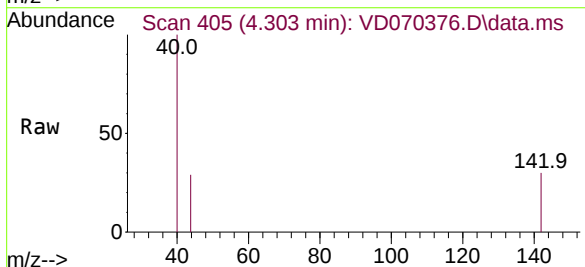
Instrument :
MSVOA_D
ClientSampleId :
VD0920SBL01

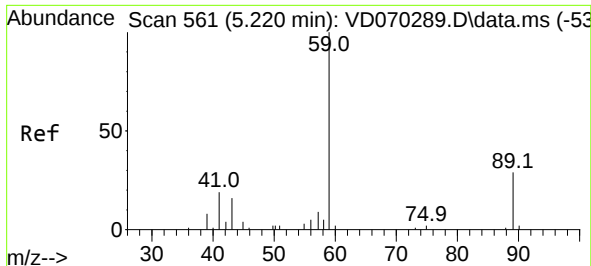
Tgt Ion: 64 Resp: 1825
Ion Ratio Lower Upper
64 100
66 40.3 25.0 37.4#



#10
Methyl Iodide
Concen: 1.497 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070376.D
Acq: 20 Sep 2021 11:27

Tgt Ion: 142 Resp: 1885
Ion Ratio Lower Upper
142 100
127 11.7 36.9 55.3#
141 0.0 11.8 17.6#

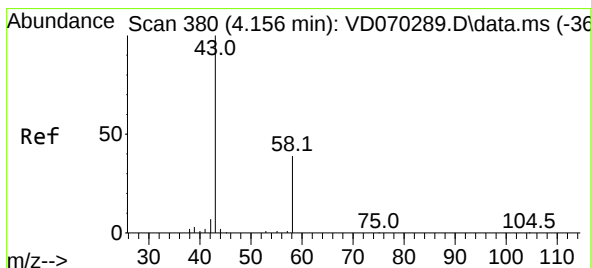
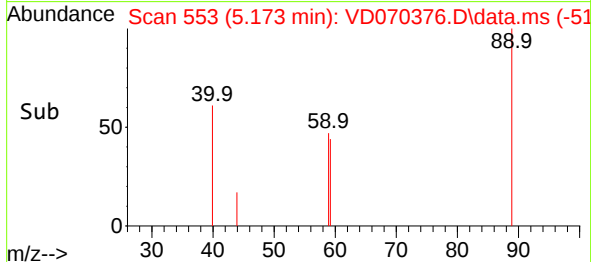
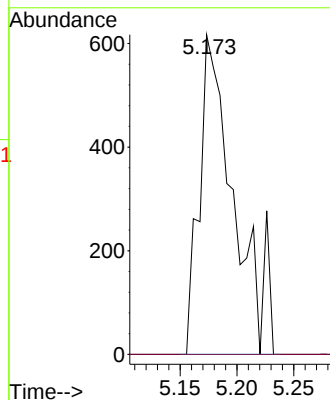
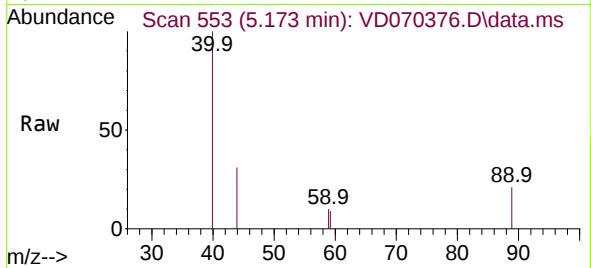




#11
Tert butyl alcohol
Concen: 2.840 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.047 min
Lab File: VD070376.D
Acq: 20 Sep 2021 11:27

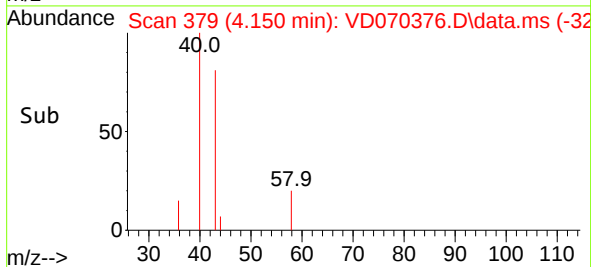
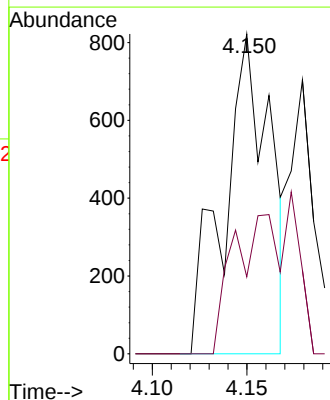
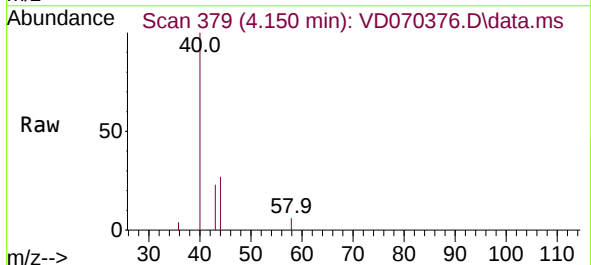
Instrument :
MSVOA_D
ClientSampleId :
VD0920SBL01

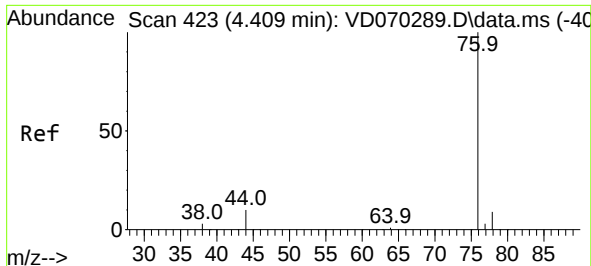
Tgt Ion: 59 Resp: 1313
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 1.913 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070376.D
Acq: 20 Sep 2021 11:27

Tgt Ion: 43 Resp: 1396
Ion Ratio Lower Upper
43 100
58 24.1 30.9 46.3#

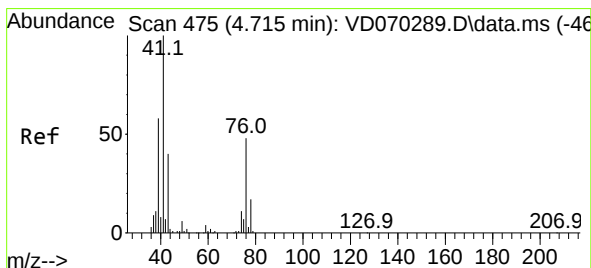
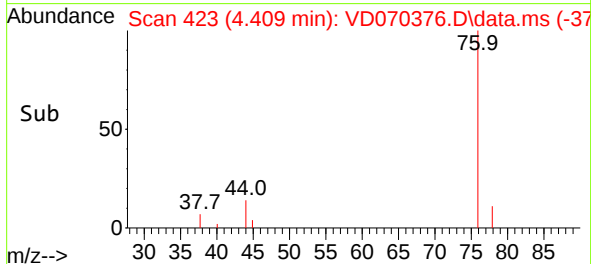
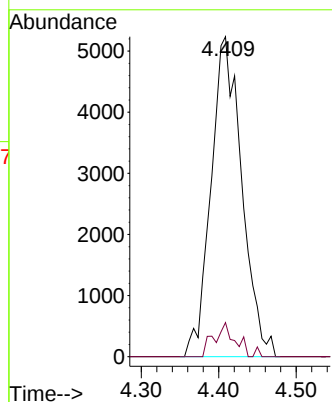
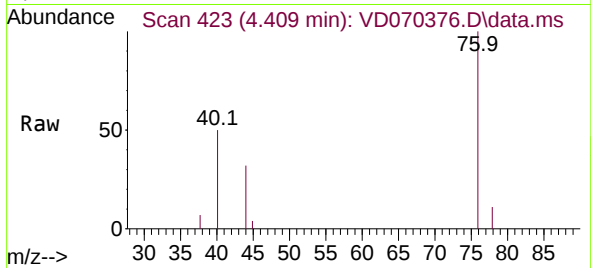




#17
Carbon Disulfide
Concen: 1.057 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD070376.D
Acq: 20 Sep 2021 11:27

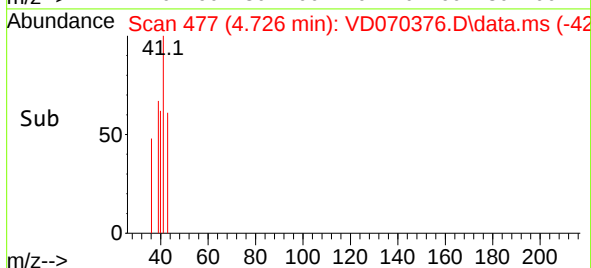
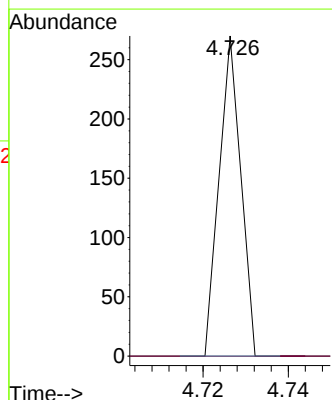
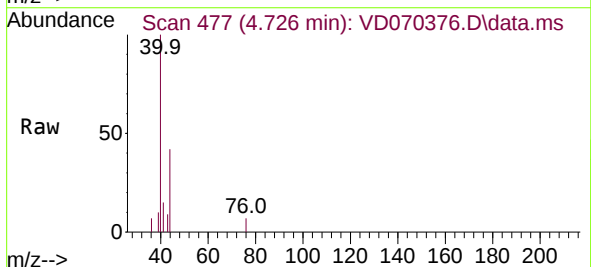
Instrument :
MSVOA_D
ClientSampleId :
VD0920SBL01

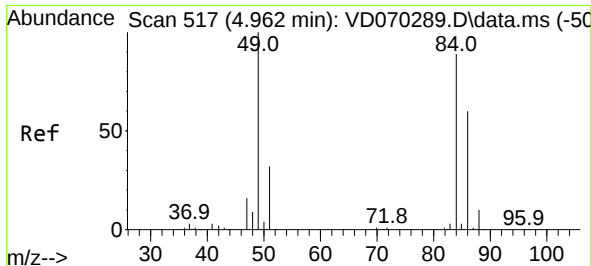
Tgt Ion: 76 Resp: 14458
Ion Ratio Lower Upper
76 100
78 10.7 7.5 11.3



#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.011 min
Lab File: VD070376.D
Acq: 20 Sep 2021 11:27

Tgt Ion: 43 Resp: 95
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.962 min Scan# 517

Delta R.T. -0.000 min

Lab File: VD070376.D

Acq: 20 Sep 2021 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBL01

Tgt Ion: 84 Resp: 25869

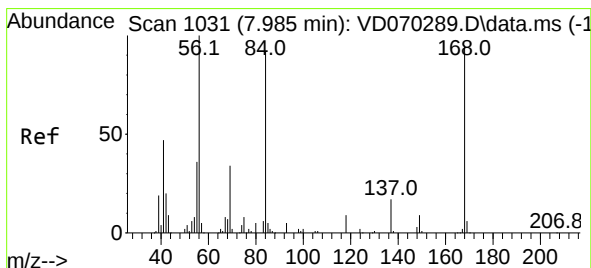
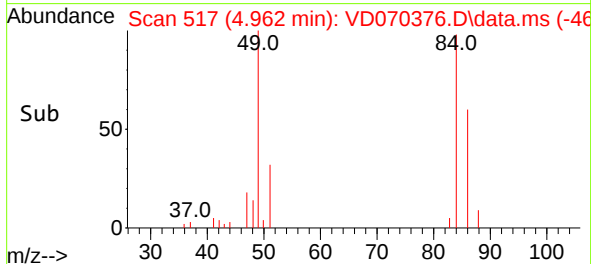
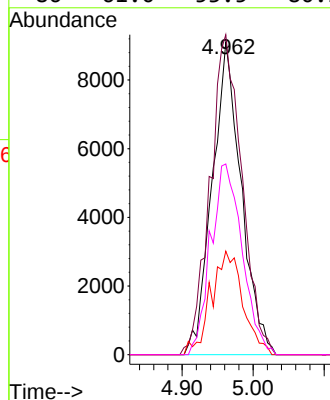
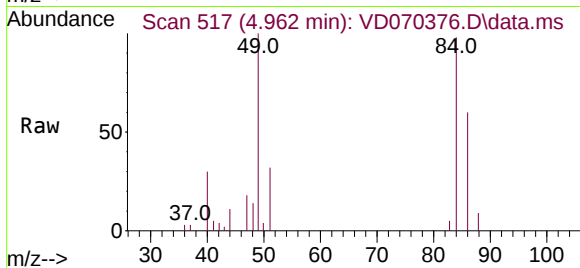
Ion Ratio Lower Upper

84 100

49 102.3 89.6 134.4

51 33.1 28.6 43.0

86 61.0 53.5 80.3



#31

Cyclohexane

Concen: 1.606 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD070376.D

Acq: 20 Sep 2021 11:27

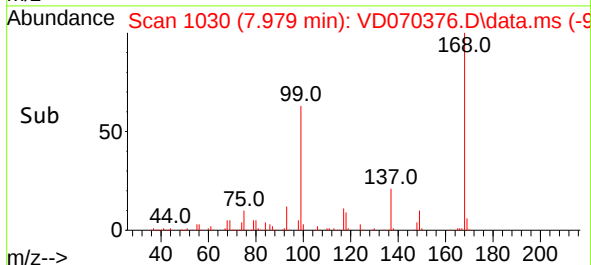
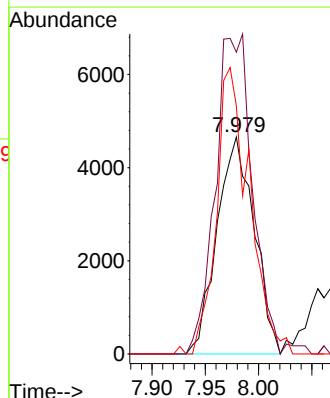
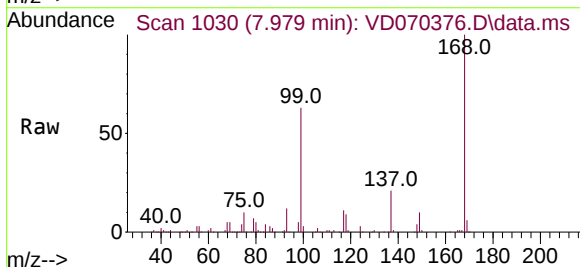
Tgt Ion: 56 Resp: 11311

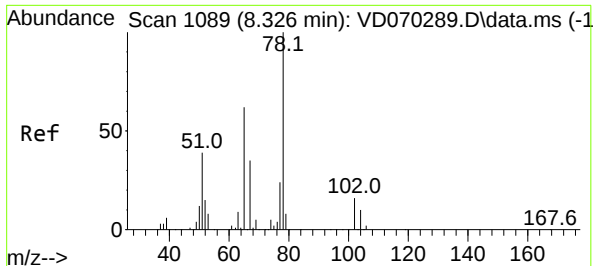
Ion Ratio Lower Upper

56 100

69 139.0 26.9 40.3#

84 110.8 73.6 110.4#



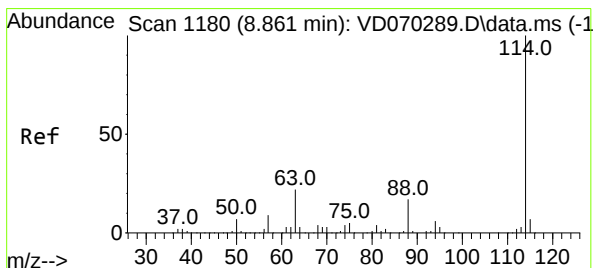
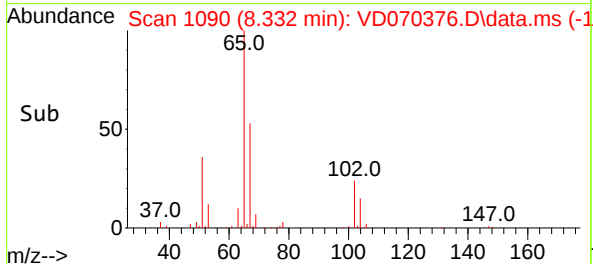
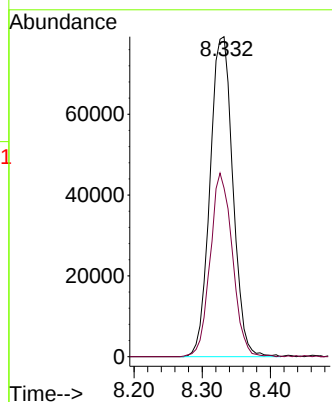
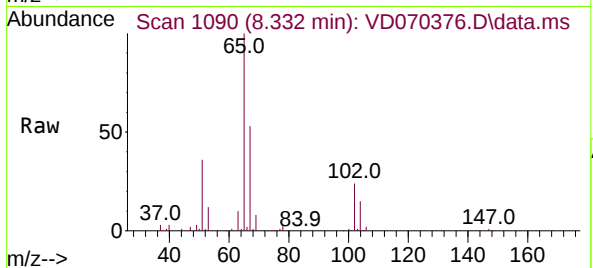


#33

1,2-Dichloroethane-d4
Concen: 45.193 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070376.D
Acq: 20 Sep 2021 11:27

Instrument :
MSVOA_D
ClientSampleId :
VD0920SBL01

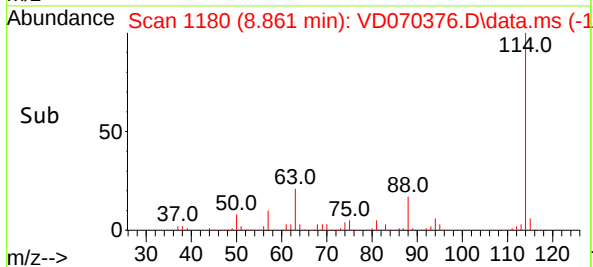
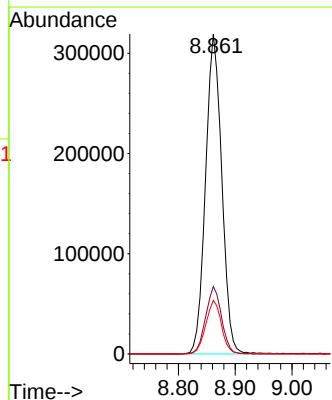
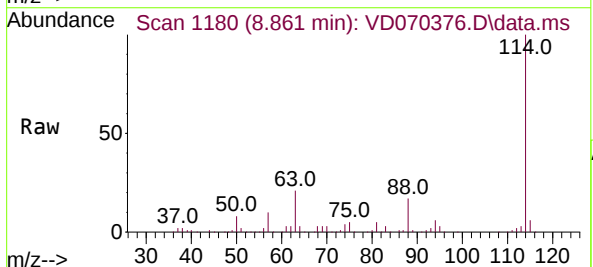
Tgt Ion: 65 Resp: 184760
Ion Ratio Lower Upper
65 100
67 55.8 0.0 111.4

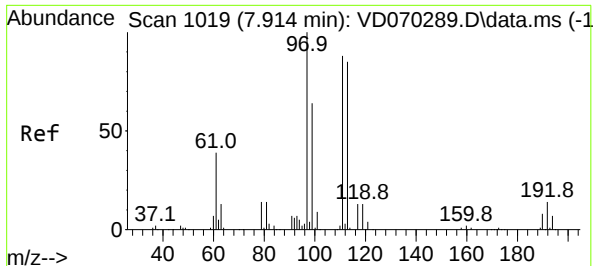


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070376.D
Acq: 20 Sep 2021 11:27

Tgt Ion: 114 Resp: 631039
Ion Ratio Lower Upper
114 100
63 21.1 0.0 43.4
88 16.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.218 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070376.D

Acq: 20 Sep 2021 11:27

Instrument :

MSVOA_D

ClientSampleId :

VD0920SBL01

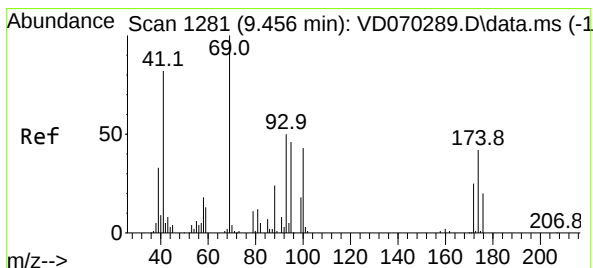
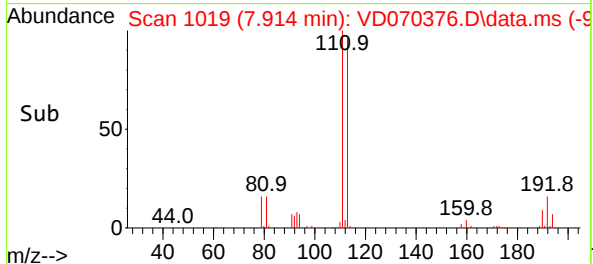
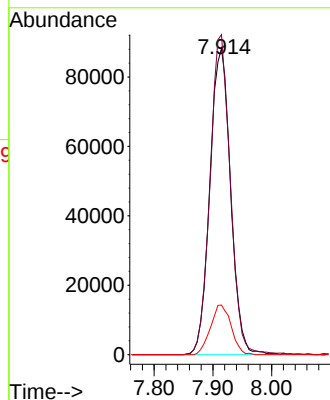
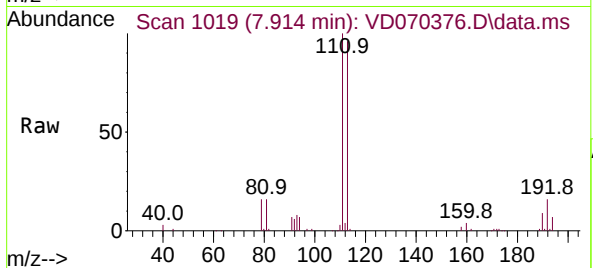
Tgt Ion:113 Resp: 216586

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.2

192 16.1 13.0 19.6



#49

1,4-Dioxane

Concen: 2.131 ug/l

RT: 9.461 min Scan# 1282

Delta R.T. 0.006 min

Lab File: VD070376.D

Acq: 20 Sep 2021 11:27

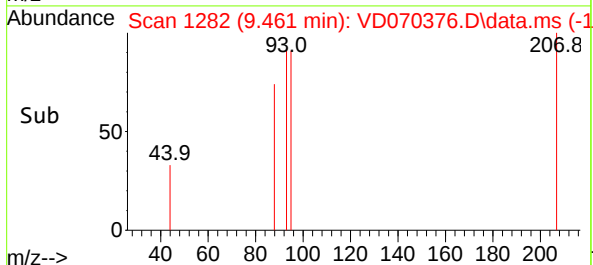
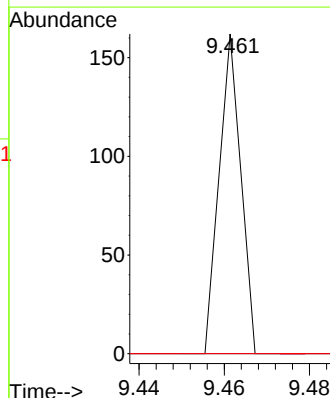
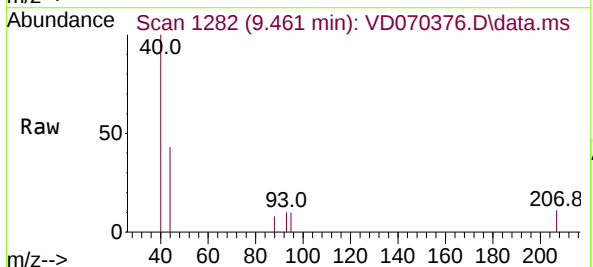
Tgt Ion: 88 Resp: 57

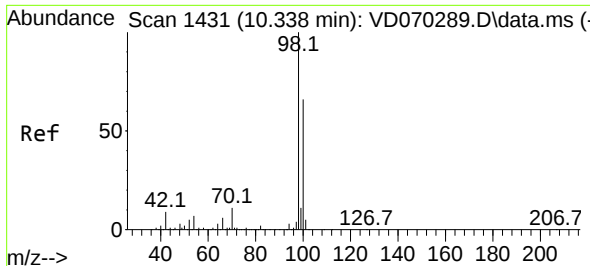
Ion Ratio Lower Upper

88 100

43 0.0 22.4 33.6#

58 0.0 54.2 81.4#

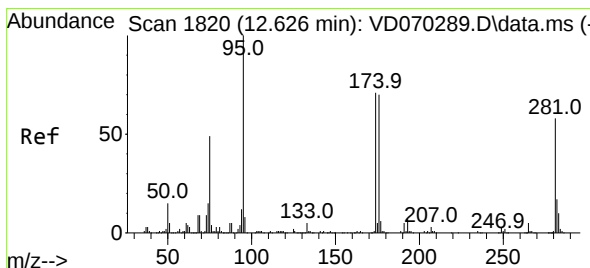
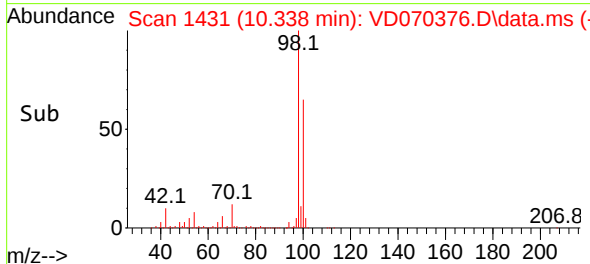
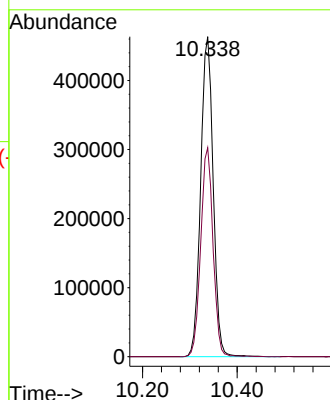
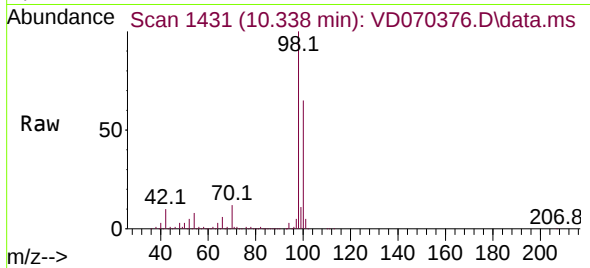




#50
Toluene-d8
Concen: 51.945 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070376.D
Acq: 20 Sep 2021 11:27

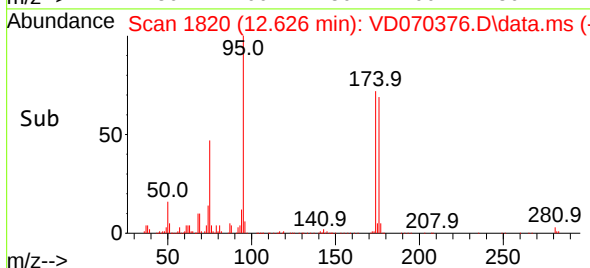
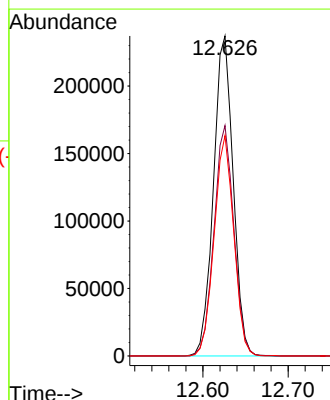
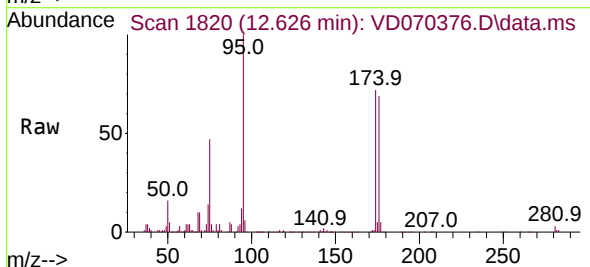
Instrument :
MSVOA_D
ClientSampleId :
VD0920SBL01

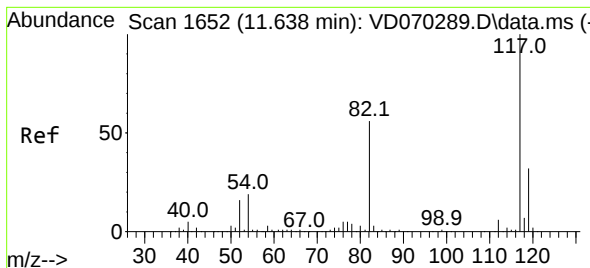
Tgt Ion: 98 Resp: 847163
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 66.804 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070376.D
Acq: 20 Sep 2021 11:27

Tgt Ion: 95 Resp: 380760
Ion Ratio Lower Upper
95 100
174 72.8 0.0 140.6
176 68.6 0.0 137.4

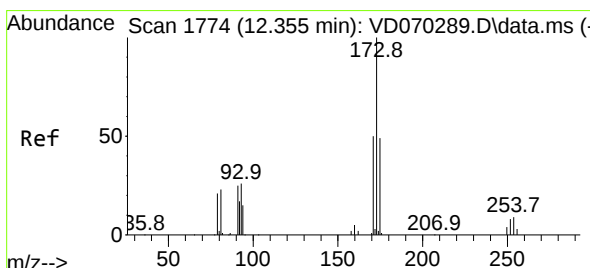
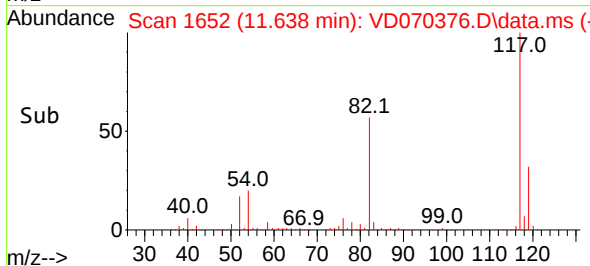
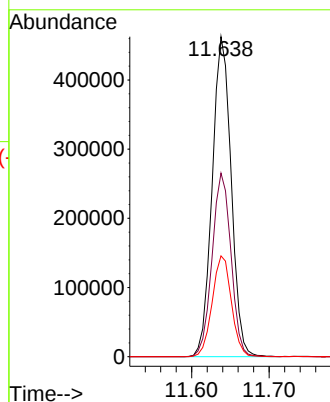
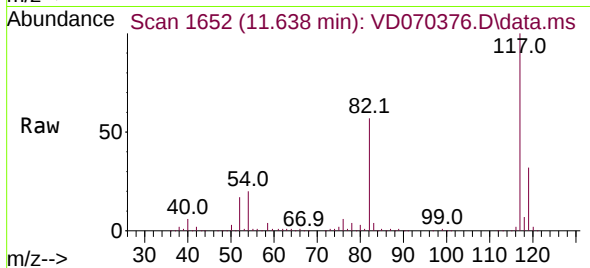




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070376.D
Acq: 20 Sep 2021 11:27

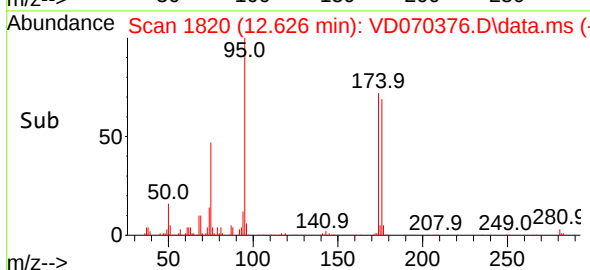
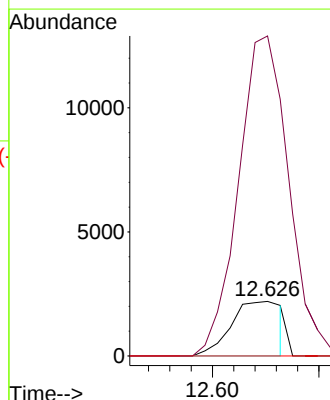
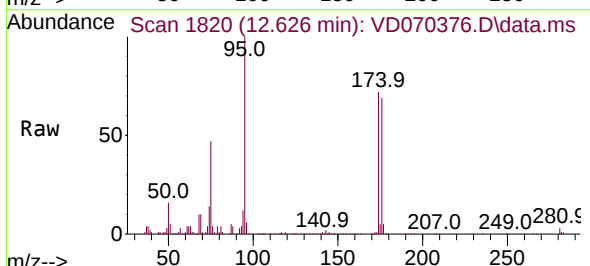
Instrument :
MSVOA_D
ClientSampleId :
VD0920SBL01

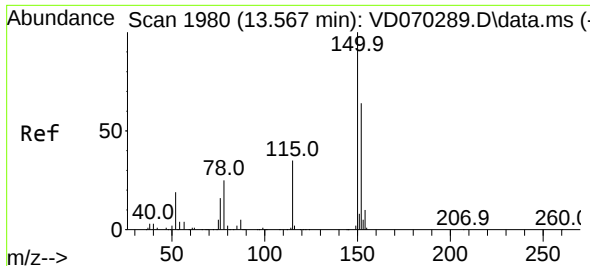
Tgt Ion:117 Resp: 787953
Ion Ratio Lower Upper
117 100
82 57.3 45.0 67.4
119 31.5 25.2 37.8



#71
Bromoform
Concen: 1.232 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD070376.D
Acq: 20 Sep 2021 11:27

Tgt Ion:173 Resp: 3640
Ion Ratio Lower Upper
173 100
175 490.9 25.1 75.2#
254 0.0 0.1 0.1#

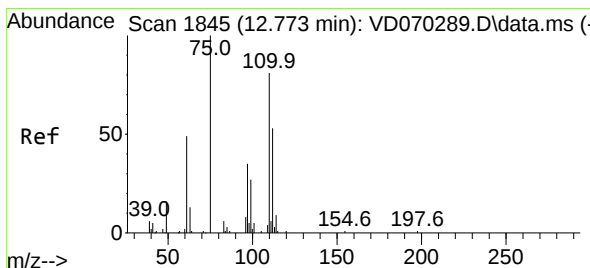
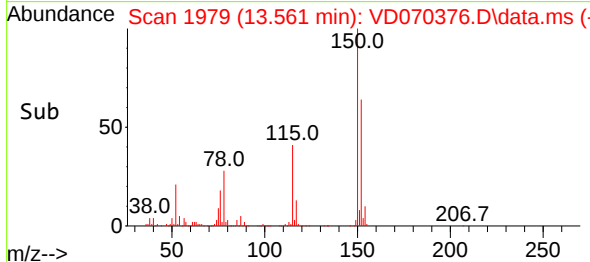
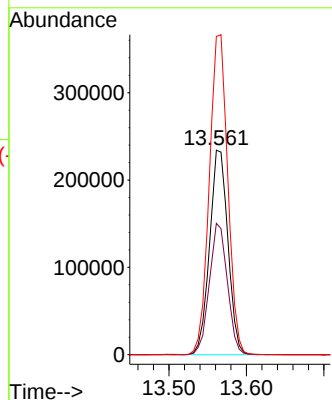
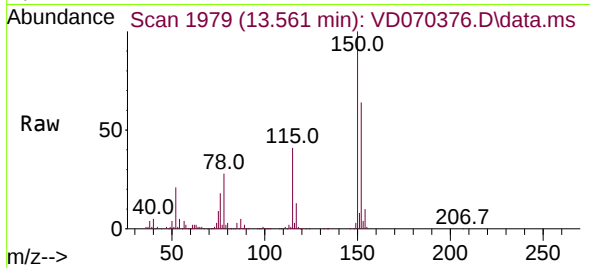




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070376.D
Acq: 20 Sep 2021 11:27

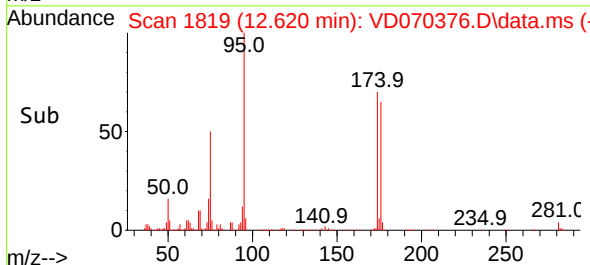
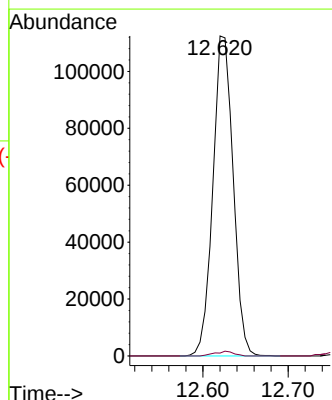
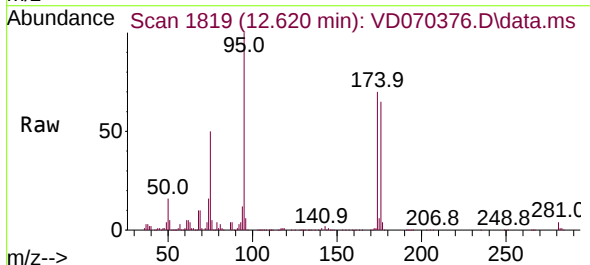
Instrument :
MSVOA_D
ClientSampleId :
VD0920SBL01

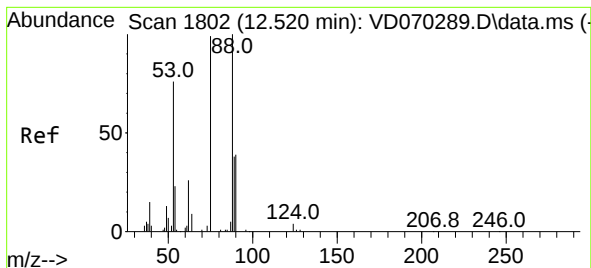
Tgt Ion:152 Resp: 384875
Ion Ratio Lower Upper
152 100
115 63.0 32.1 96.3
150 157.3 0.0 350.6



#76
1,2,3-Trichloropropane
Concen: 47.744 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070376.D
Acq: 20 Sep 2021 11:27

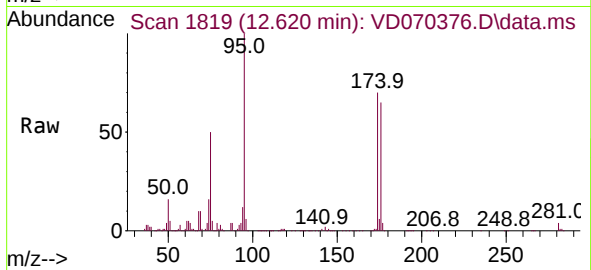
Tgt Ion: 75 Resp: 185872
Ion Ratio Lower Upper
75 100
77 1.4 174.9 524.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.628 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.100 min
 Lab File: VD070376.D
 Acq: 20 Sep 2021 11:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0920SBL01



Tgt Ion: 75 Resp: 185872
 Ion Ratio Lower Upper
 75 100
 53 0.1 64.2 96.2#
 89 0.1 35.6 53.4#

