

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091421\
 Data File : VD070343.D
 Acq On : 14 Sep 2021 10:22
 Operator : VA/SY
 Sample : VD0914SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

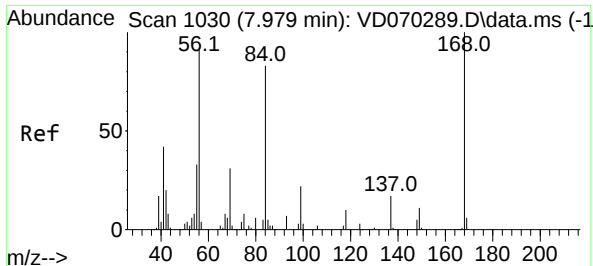
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBL01

Quant Time: Sep 15 02:44:25 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	7.979	168	327480	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	674261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	828796	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	386011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	213739	50.831	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.660%
35) Dibromofluoromethane	7.908	113	236021	49.176	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.360%
50) Toluene-d8	10.338	98	911341	52.299	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.600%
62) 4-Bromofluorobenzene	12.626	95	389750	63.998	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	128.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.997	85	2148	Below Cal		96
3) Chloromethane	2.209	50	3051	Below Cal	#	77
5) Bromomethane	2.773	94	4361	Below Cal		83
6) Chloroethane	2.926	64	1694	Below Cal		99
10) Methyl Iodide	4.309	142	2811	1.708	ug/l #	79
11) Tert butyl alcohol	5.191	59	15584	32.778	ug/l #	100
16) Acetone	4.162	43	5458	7.270	ug/l #	84
17) Carbon Disulfide	4.403	76	14398	1.024	ug/l	98
18) Methyl Acetate	4.726	43	118	Below Cal	#	48
20) Methylene Chloride	4.967	84	29527	Below Cal		95
25) 2-Butanone	7.185	43	1011	1.012	ug/l #	47
31) Cyclohexane	7.973	56	10530	1.454	ug/l #	22
51) 4-Methyl-2-Pentanone	10.226	43	2912	1.129	ug/l #	80
76) 1,2,3-Trichloropropane	12.626	75	193334	49.515	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	193334	124.064	ug/l #	18

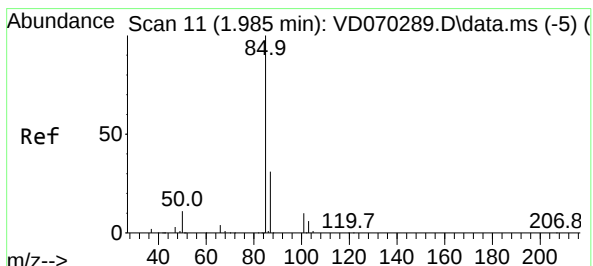
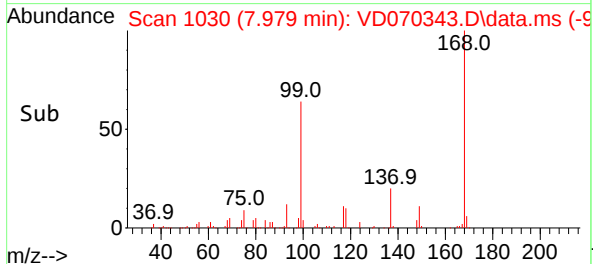
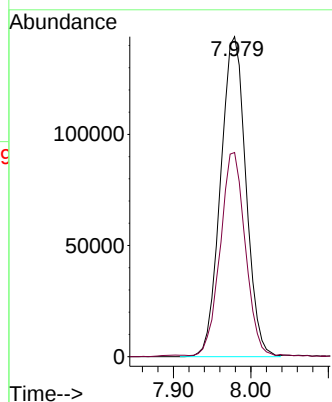
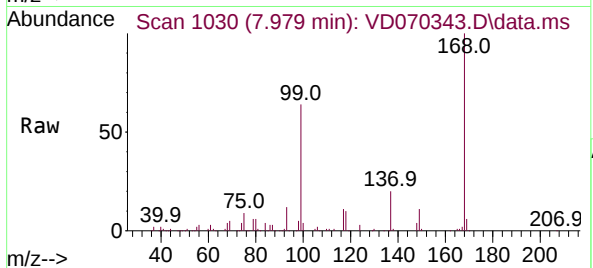
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070343.D
Acq: 14 Sep 2021 10:22

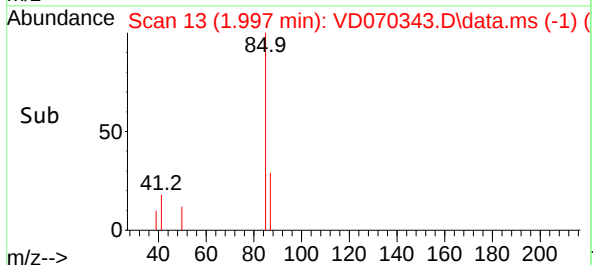
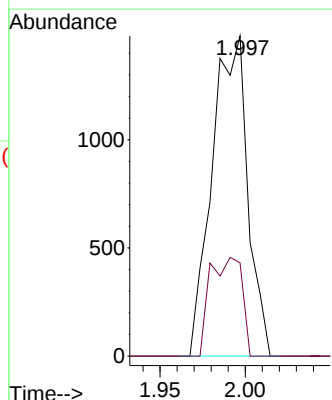
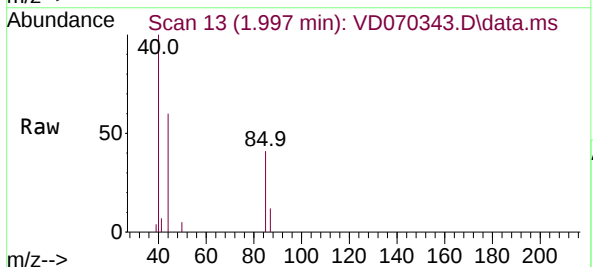
Instrument :
MSVOA_D
ClientSampleId :
VD0914SBL01

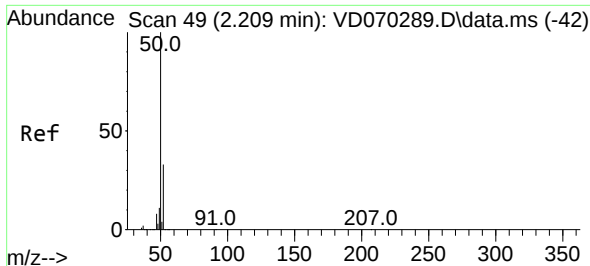
Tgt Ion:168 Resp: 327480
Ion Ratio Lower Upper
168 100
99 63.4 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.997 min Scan# 13
Delta R.T. 0.012 min
Lab File: VD070343.D
Acq: 14 Sep 2021 10:22

Tgt Ion: 85 Resp: 2148
Ion Ratio Lower Upper
85 100
87 29.1 15.6 46.8

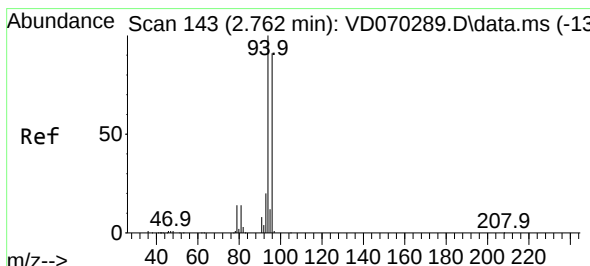
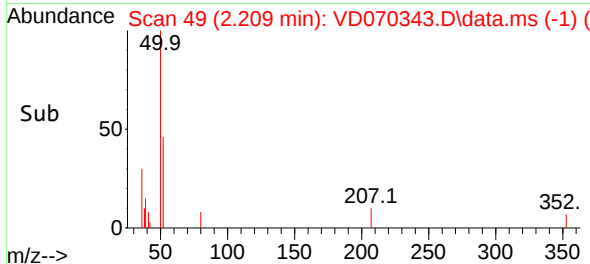
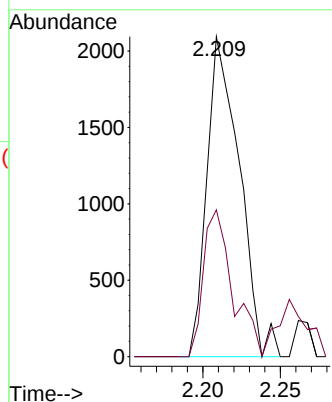
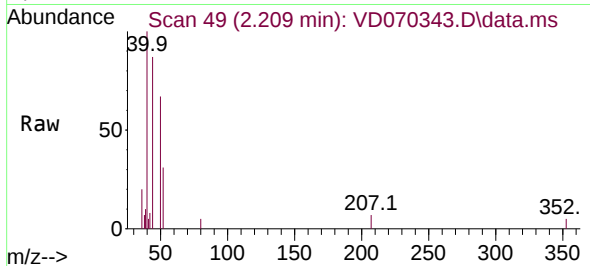




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070343.D
Acq: 14 Sep 2021 10:22

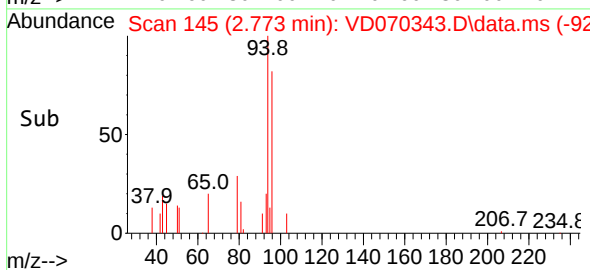
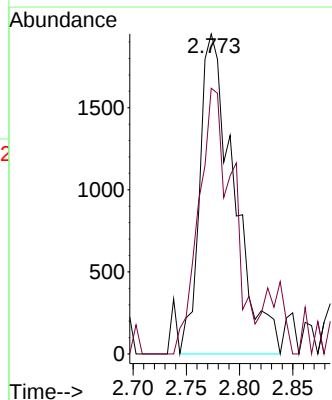
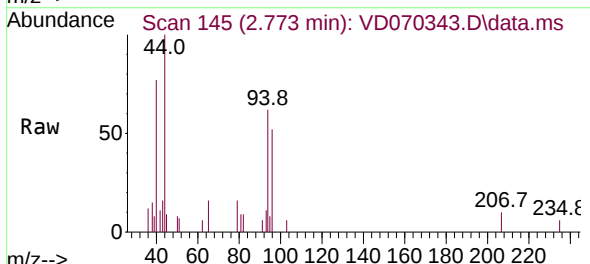
Instrument :
MSVOA_D
ClientSampleId :
VD0914SBL01

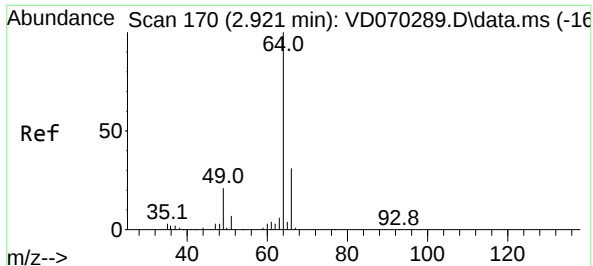
Tgt Ion: 50 Resp: 3051
Ion Ratio Lower Upper
50 100
52 45.9 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070343.D
Acq: 14 Sep 2021 10:22

Tgt Ion: 94 Resp: 4361
Ion Ratio Lower Upper
94 100
96 75.1 73.0 109.6

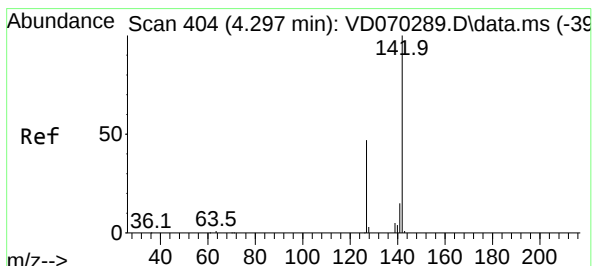
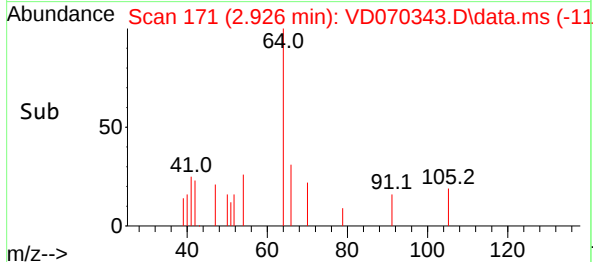
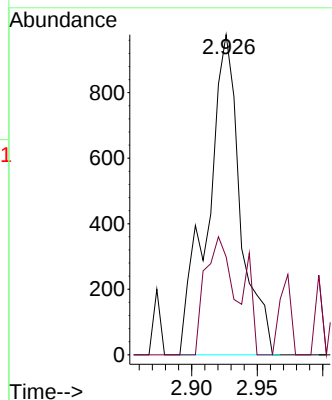
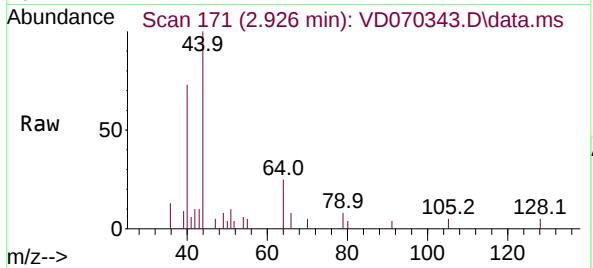




#6
Chloroethane
Concen: Below Cal
RT: 2.926 min Scan# 171
Delta R.T. 0.005 min
Lab File: VD070343.D
Acq: 14 Sep 2021 10:22

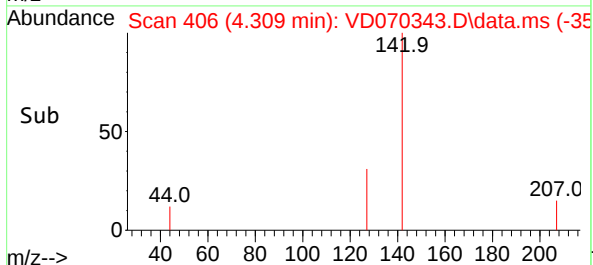
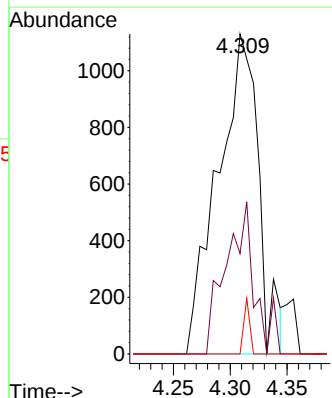
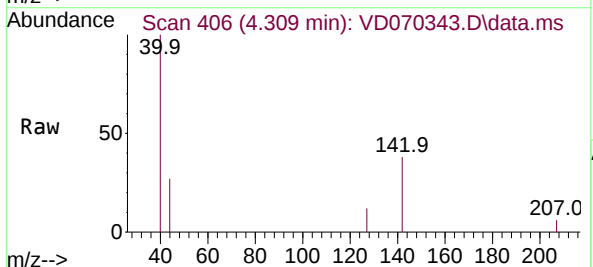
Instrument :
MSVOA_D
ClientSampleId :
VD0914SBL01

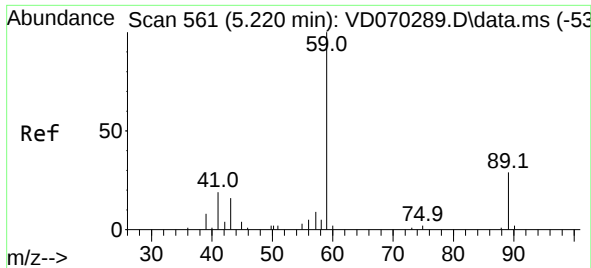
Tgt Ion: 64 Resp: 1694
Ion Ratio Lower Upper
64 100
66 30.6 25.0 37.4



#10
Methyl Iodide
Concen: 1.708 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD070343.D
Acq: 14 Sep 2021 10:22

Tgt Ion:142 Resp: 2811
Ion Ratio Lower Upper
142 100
127 33.7 36.9 55.3#
141 2.5 11.8 17.6#

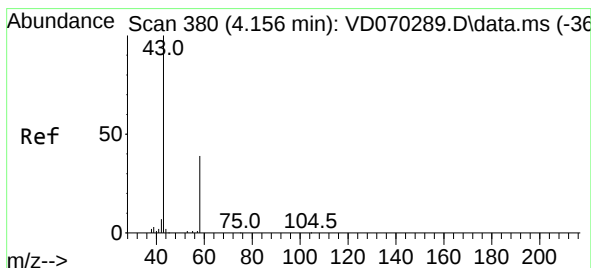
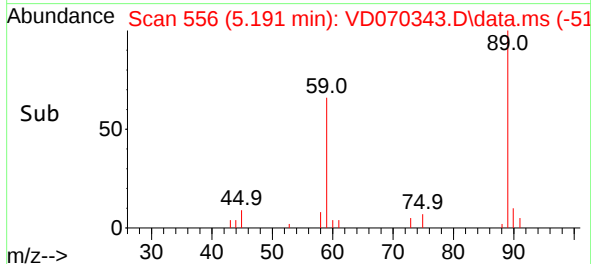
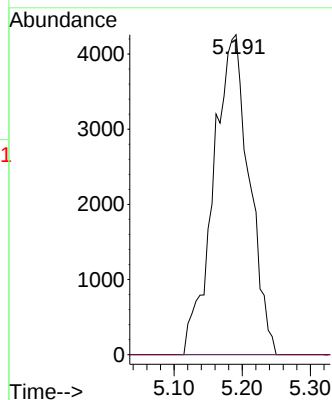
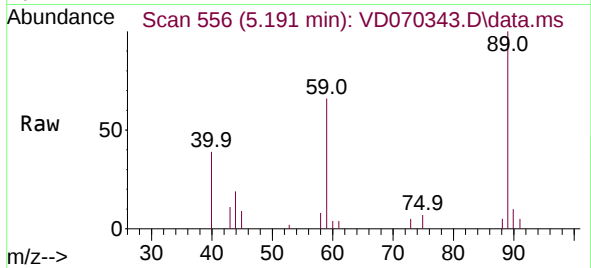




#11
Tert butyl alcohol
Concen: 32.778 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.029 min
Lab File: VD070343.D
Acq: 14 Sep 2021 10:22

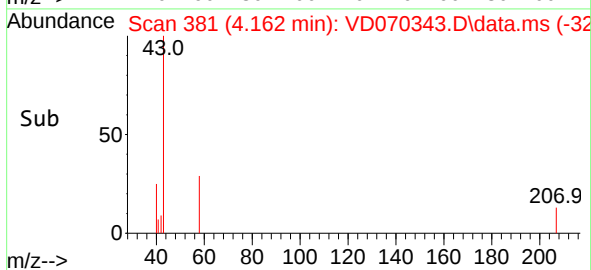
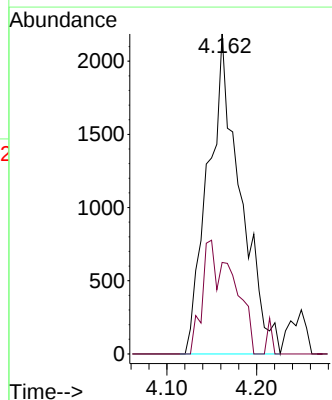
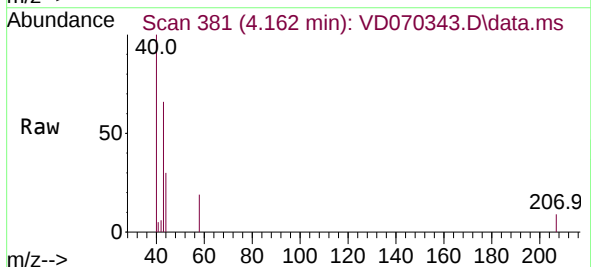
Instrument :
MSVOA_D
ClientSampleId :
VD0914SBL01

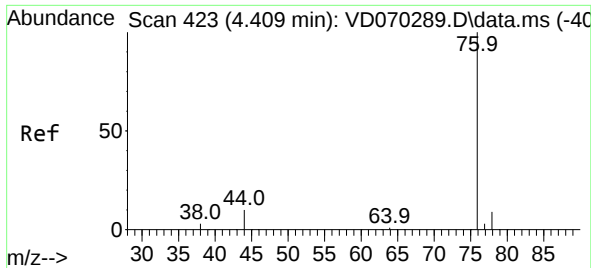
Tgt Ion: 59 Resp: 15584
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 7.270 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070343.D
Acq: 14 Sep 2021 10:22

Tgt Ion: 43 Resp: 5458
Ion Ratio Lower Upper
43 100
58 28.6 30.9 46.3#

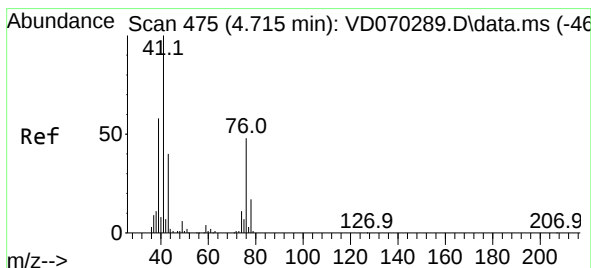
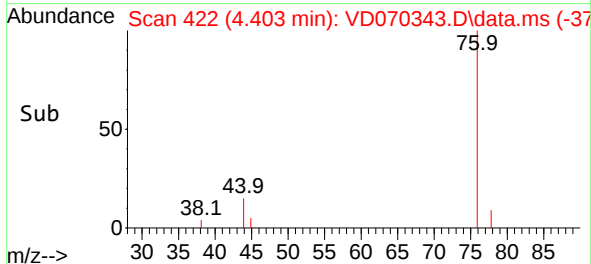
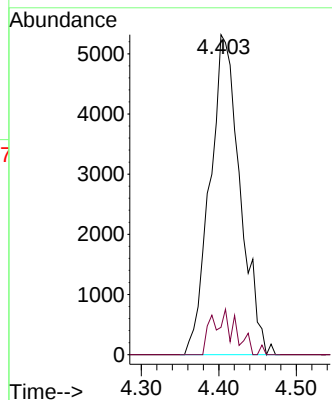
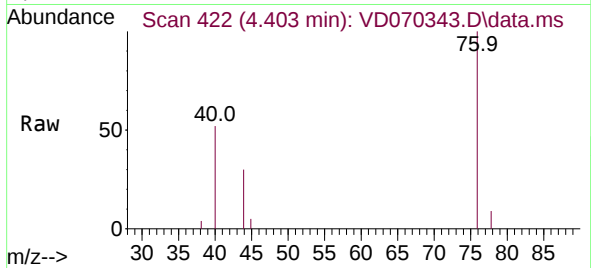




#17
Carbon Disulfide
Concen: 1.024 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD070343.D
Acq: 14 Sep 2021 10:22

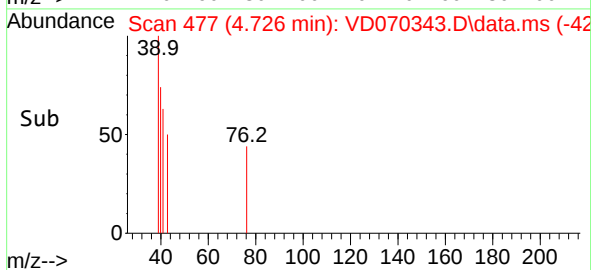
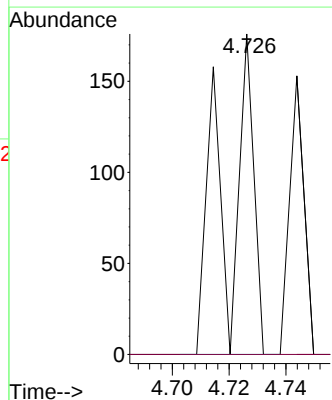
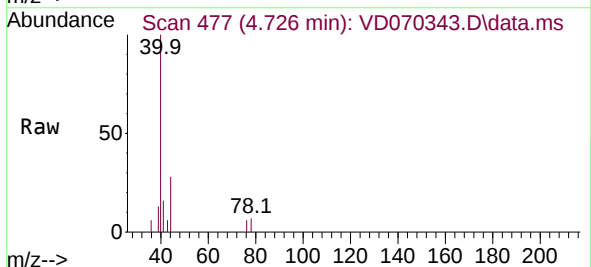
Instrument :
MSVOA_D
ClientSampleId :
VD0914SBL01

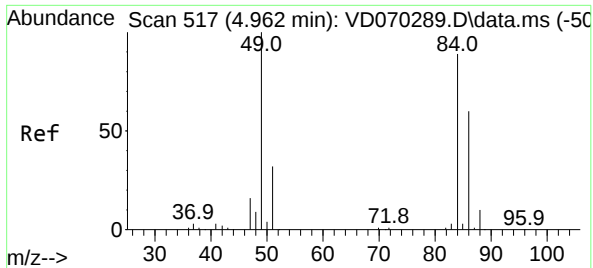
Tgt Ion: 76 Resp: 14398
Ion Ratio Lower Upper
76 100
78 8.6 7.5 11.3



#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.011 min
Lab File: VD070343.D
Acq: 14 Sep 2021 10:22

Tgt Ion: 43 Resp: 118
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.967 min Scan# 518

Delta R.T. 0.005 min

Lab File: VD070343.D

Acq: 14 Sep 2021 10:22

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBL01

Tgt Ion: 84 Resp: 29527

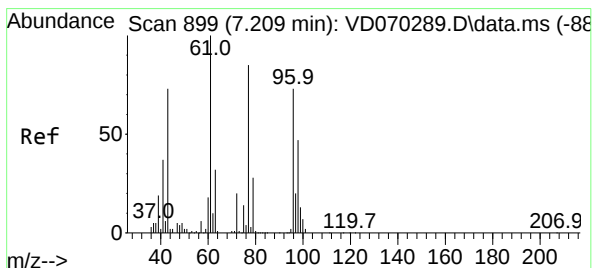
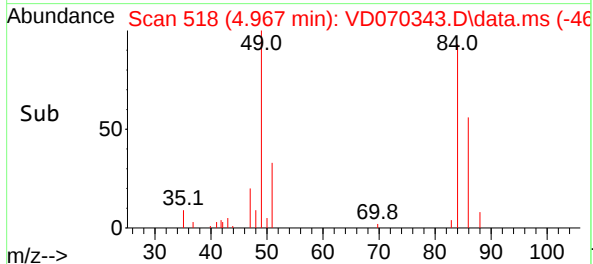
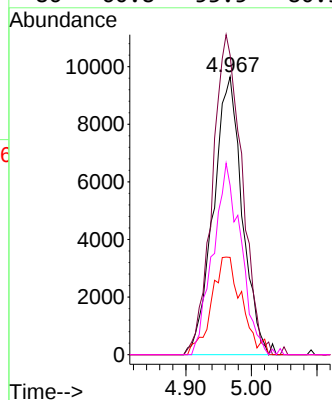
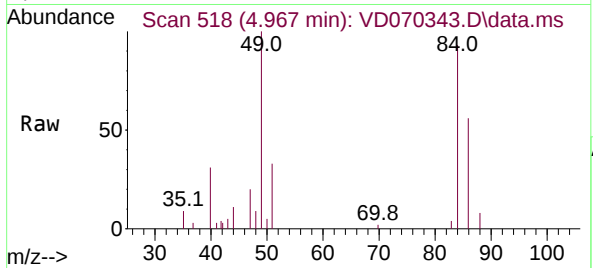
Ion Ratio Lower Upper

84 100

49 107.7 89.6 134.4

51 35.0 28.6 43.0

86 60.8 53.5 80.3



#25

2-Butanone

Concen: 1.012 ug/l

RT: 7.185 min Scan# 895

Delta R.T. -0.024 min

Lab File: VD070343.D

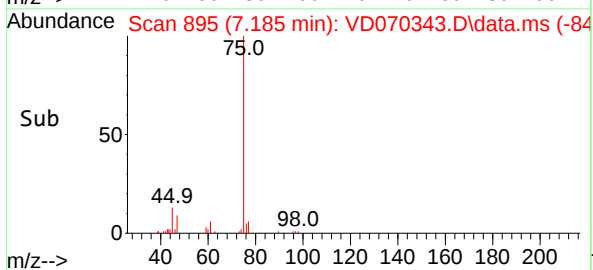
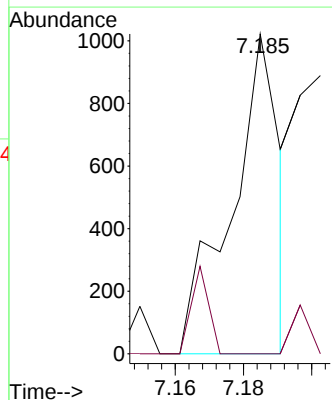
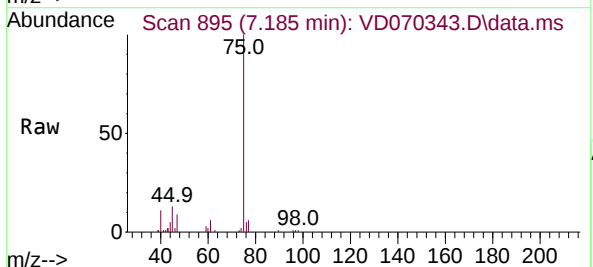
Acq: 14 Sep 2021 10:22

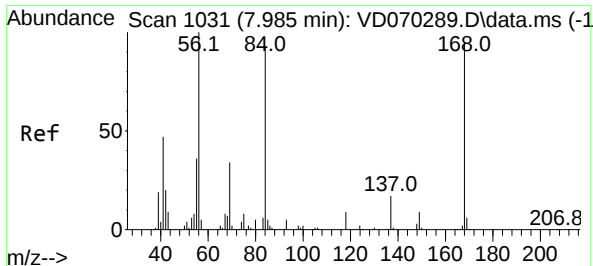
Tgt Ion: 43 Resp: 1011

Ion Ratio Lower Upper

43 100

72 0.0 22.2 33.4#

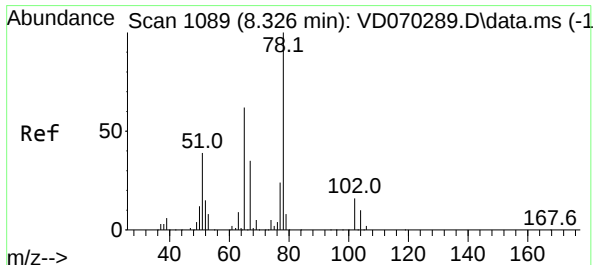
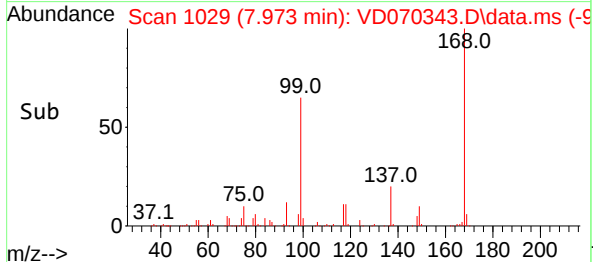
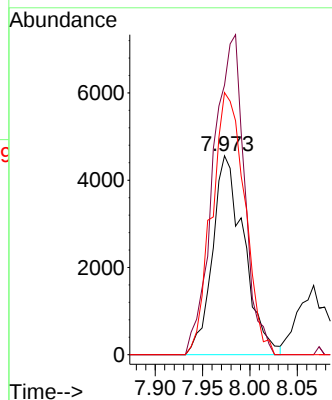
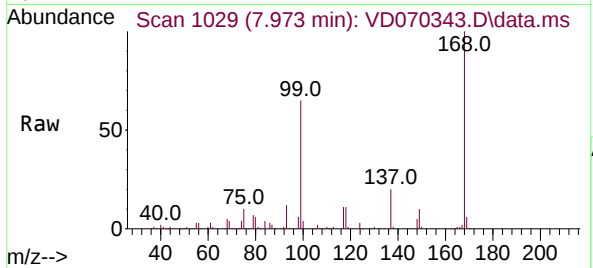




#31
Cyclohexane
Concen: 1.454 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070343.D
Acq: 14 Sep 2021 10:22

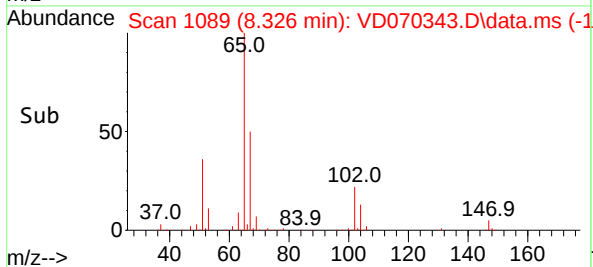
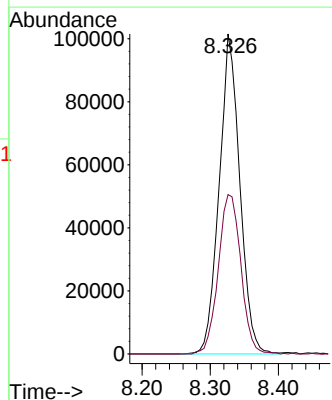
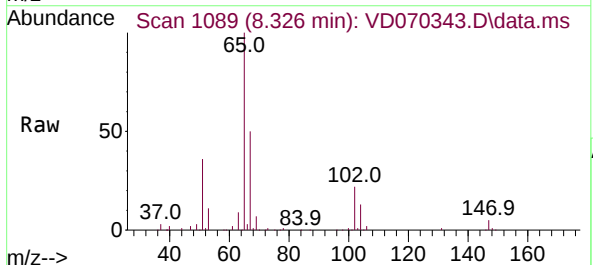
Instrument :
MSVOA_D
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VD0914SBL01

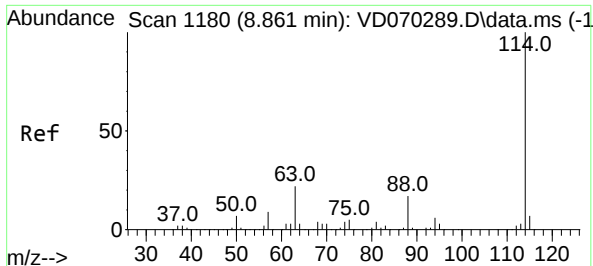
Tgt Ion: 56 Resp: 10530
Ion Ratio Lower Upper
56 100
69 135.6 26.9 40.3#
84 131.8 73.6 110.4#



#33
1,2-Dichloroethane-d4
Concen: 50.831 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070343.D
Acq: 14 Sep 2021 10:22

Tgt Ion: 65 Resp: 213739
Ion Ratio Lower Upper
65 100
67 54.6 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: VD070343.D

Acq: 14 Sep 2021 10:22

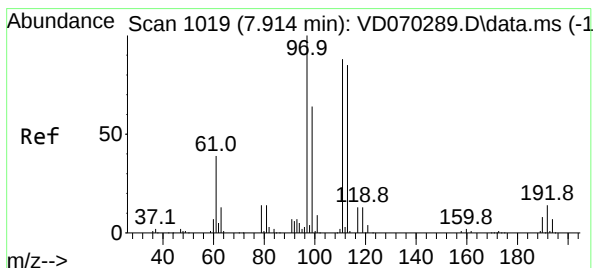
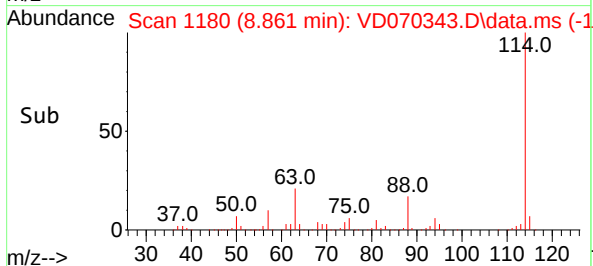
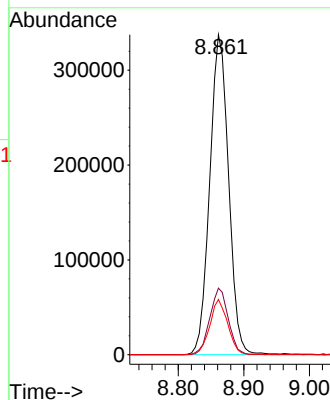
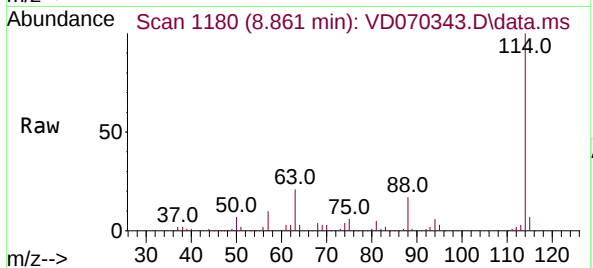
Tgt Ion:114 Resp: 674261

Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.4

88 17.2 0.0 33.4



#35

Dibromofluoromethane

Concen: 49.176 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070343.D

Acq: 14 Sep 2021 10:22

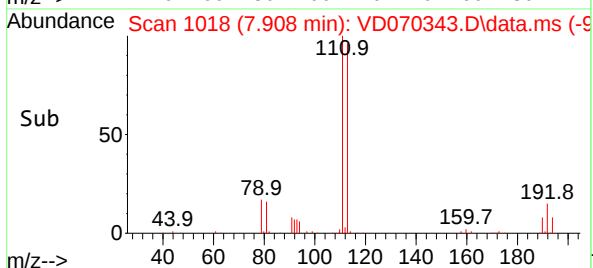
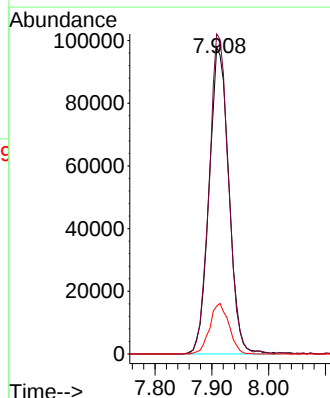
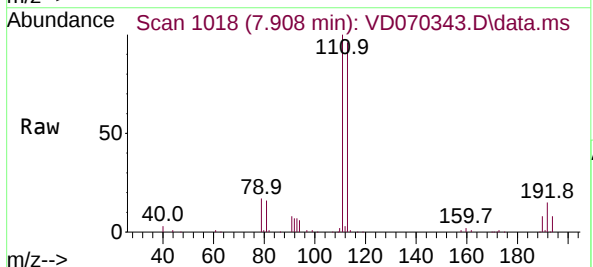
Tgt Ion:113 Resp: 236021

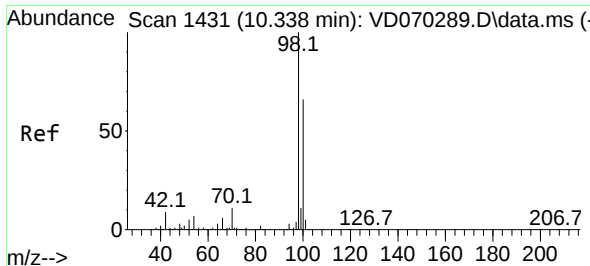
Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.2

192 16.0 13.0 19.6

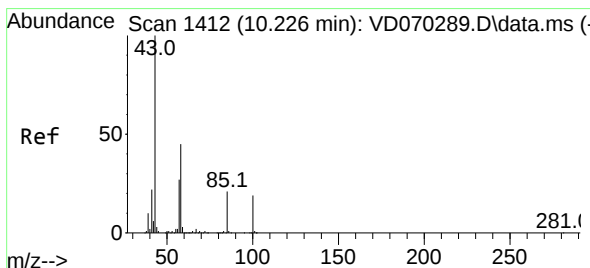
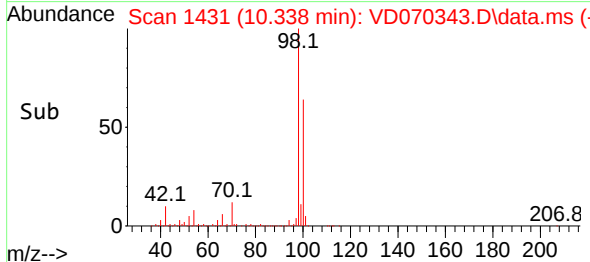
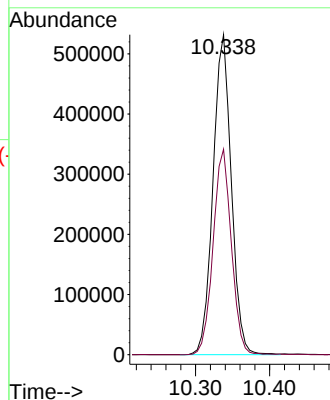
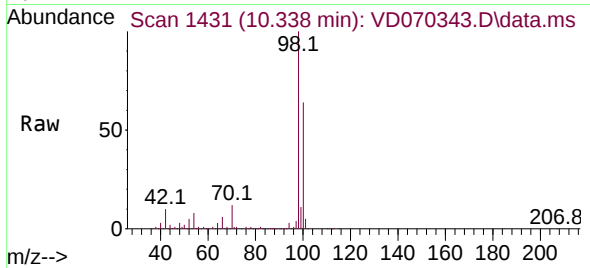




#50
Toluene-d8
Concen: 52.299 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070343.D
Acq: 14 Sep 2021 10:22

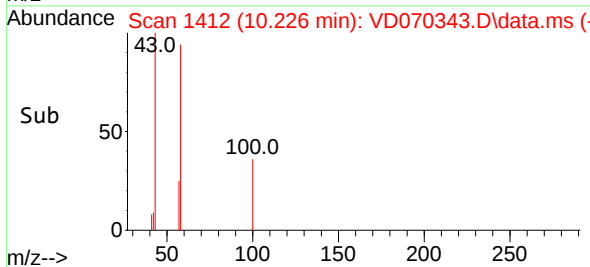
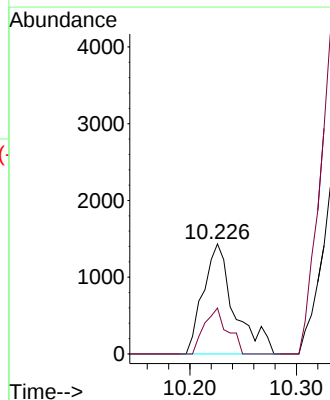
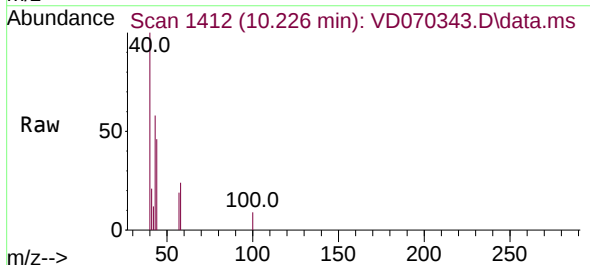
Instrument :
MSVOA_D
ClientSampleId :
VD0914SBL01

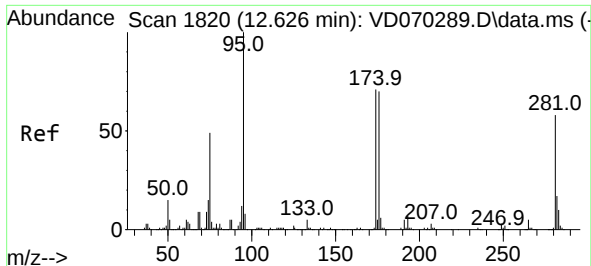
Tgt Ion: 98 Resp: 911341
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.129 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD070343.D
Acq: 14 Sep 2021 10:22

Tgt Ion: 43 Resp: 2912
Ion Ratio Lower Upper
43 100
58 31.4 35.4 53.2#

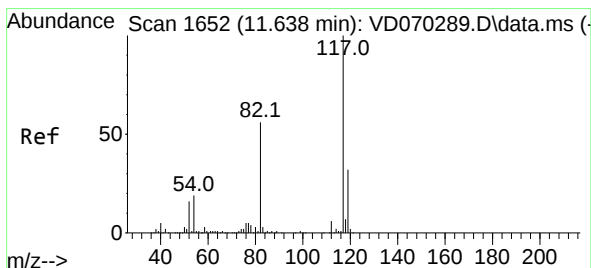
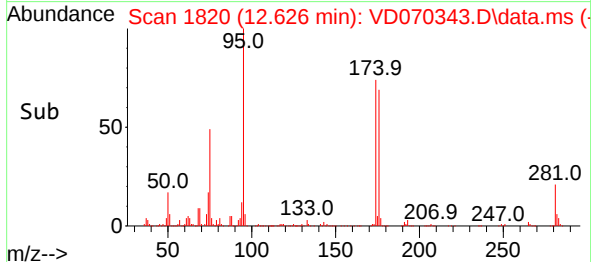
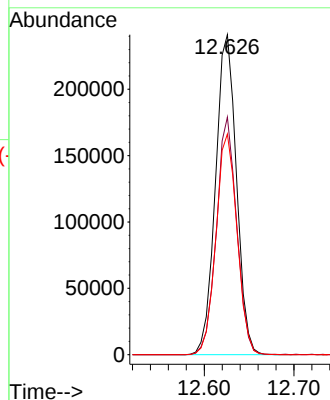
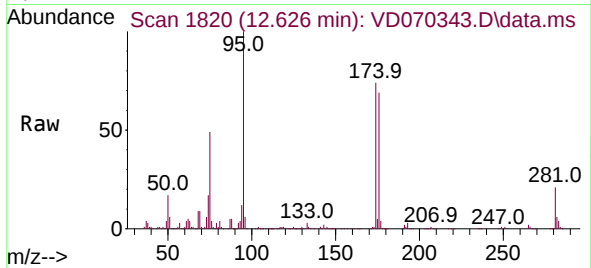




#62
4-Bromofluorobenzene
Concen: 63.998 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070343.D
Acq: 14 Sep 2021 10:22

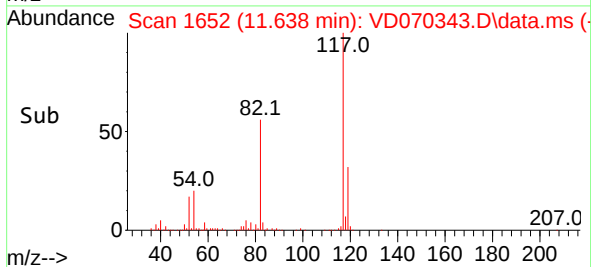
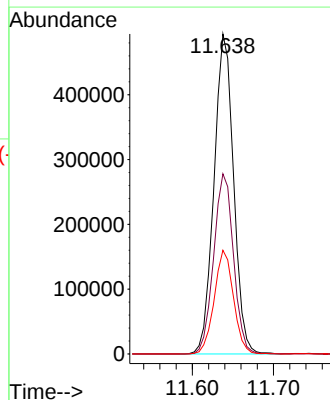
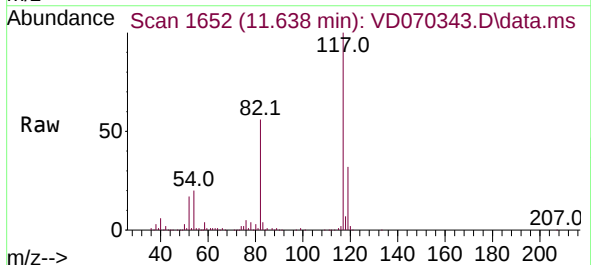
Instrument :
MSVOA_D
ClientSampleId :
VD0914SBL01

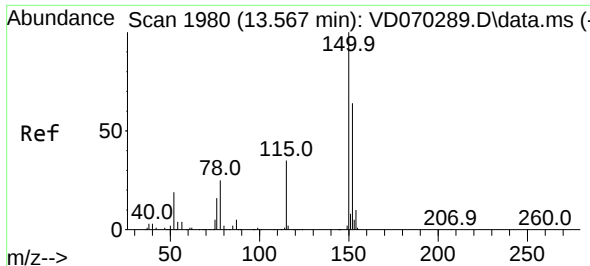
Tgt Ion: 95 Resp: 389750
Ion Ratio Lower Upper
95 100
174 71.9 0.0 140.6
176 69.5 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070343.D
Acq: 14 Sep 2021 10:22

Tgt Ion: 117 Resp: 828796
Ion Ratio Lower Upper
117 100
82 56.3 45.0 67.4
119 32.4 25.2 37.8

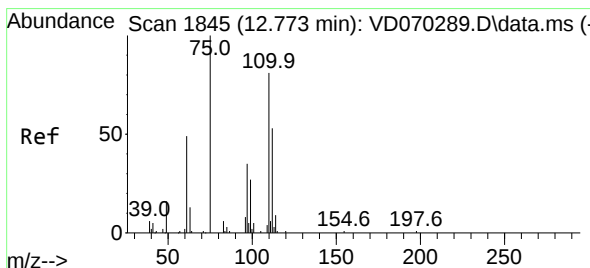
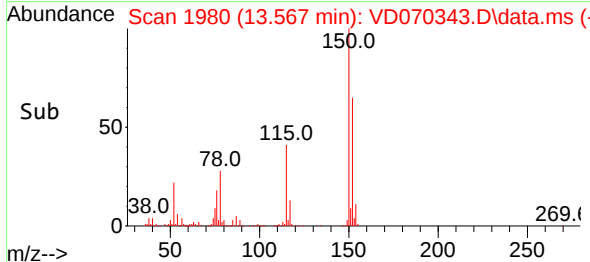
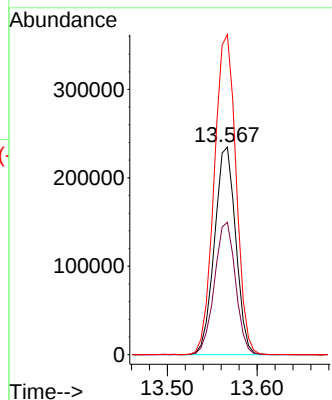
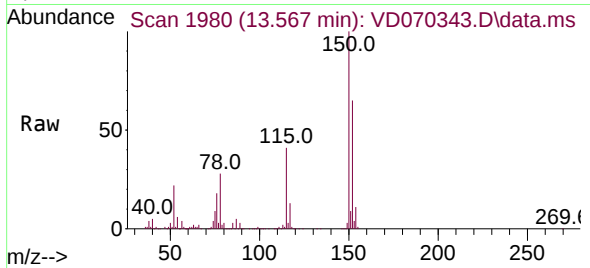




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070343.D
 Acq: 14 Sep 2021 10:22

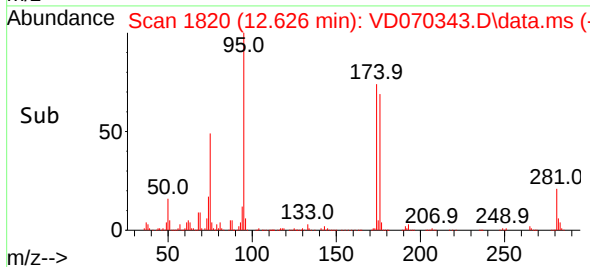
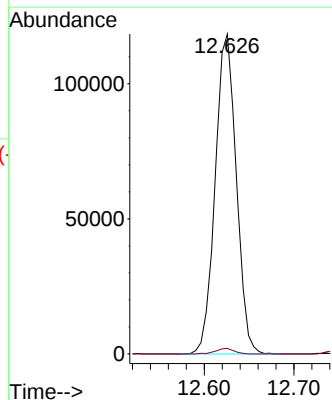
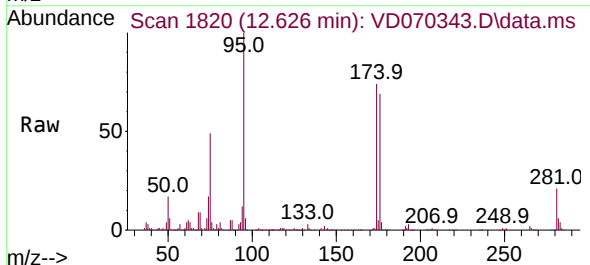
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0914SBL01

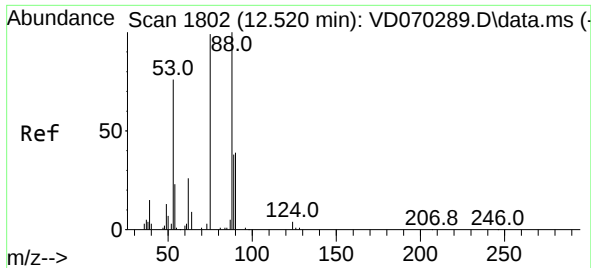
Tgt Ion:152 Resp: 386011
 Ion Ratio Lower Upper
 152 100
 115 63.5 32.1 96.3
 150 158.5 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 49.515 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070343.D
 Acq: 14 Sep 2021 10:22

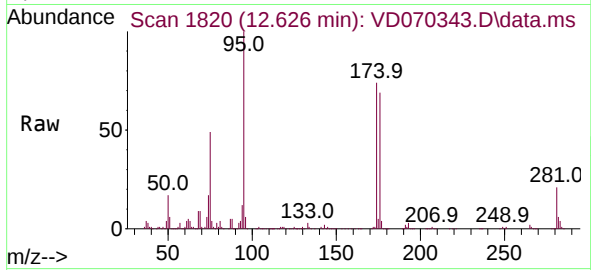
Tgt Ion: 75 Resp: 193334
 Ion Ratio Lower Upper
 75 100
 77 1.6 174.9 524.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.064 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070343.D
 Acq: 14 Sep 2021 10:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBL01



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	64.2	96.2#
89	0.4	35.6	53.4#

