

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081621\
 Data File : VD070074.D
 Acq On : 16 Aug 2021 18:43
 Operator : VA/SY
 Sample : M3368-10RE
 Misc : 5.66G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 17 03:57:36 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)

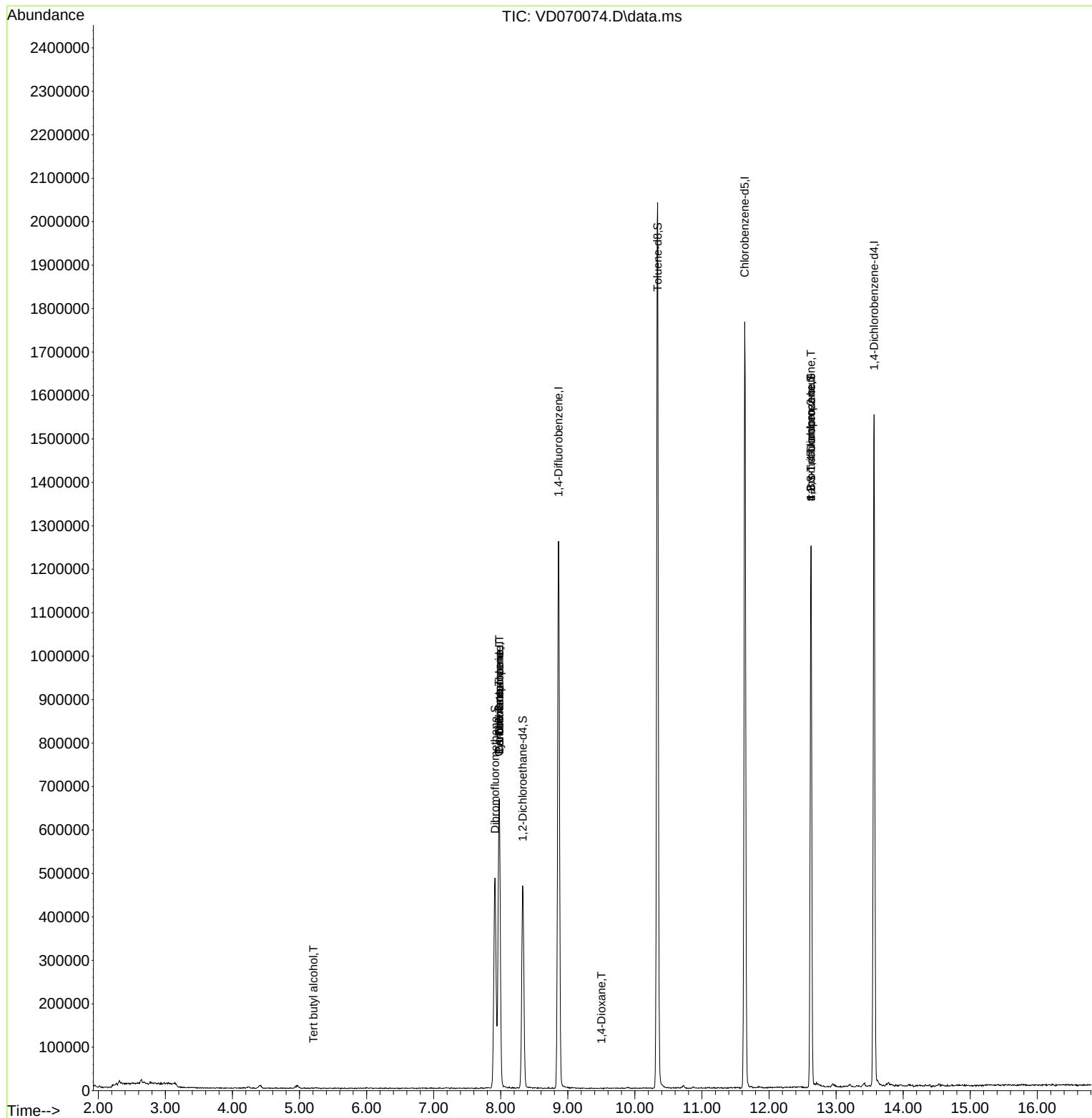
Internal Standards						
1) Pentafluorobenzene	7.979	168	484700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1085788	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1035053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	407822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	364927	64.013	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	128.020%
35) Dibromofluoromethane	7.914	113	364987	52.030	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.060%
50) Toluene-d8	10.338	98	1404320	51.470	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.940%
62) 4-Bromofluorobenzene	12.626	95	433283	48.214	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.420%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	213	Below Cal	#	42
3) Chloromethane	2.209	50	1274	Below Cal	#	71
5) Bromomethane	2.785	94	2597	Below Cal	#	49
11) Tert butyl alcohol	5.209	59	664	2.107	ug/l #	71
20) Methylene Chloride	4.962	84	3894	Below Cal	#	85
31) Cyclohexane	7.973	56	11569	1.025	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	44728	3.829	ug/l #	49
38) Carbon Tetrachloride	7.979	117	50288	4.742	ug/l #	15
49) 1,4-Dioxane	9.502	88	71	1.526	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	211259	51.080	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	211259	132.584	ug/l #	18

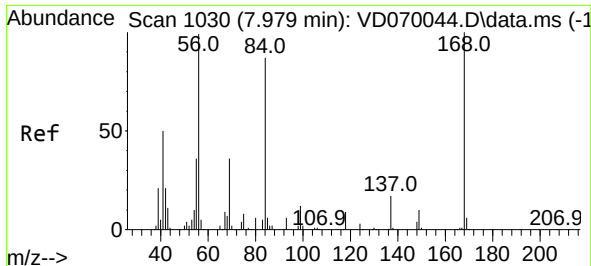
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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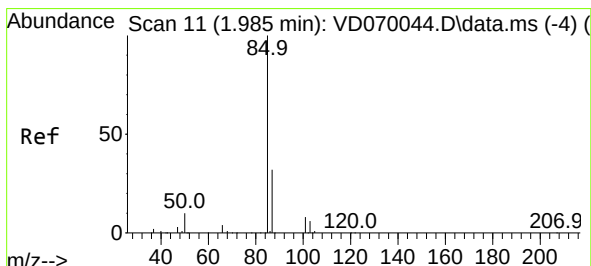
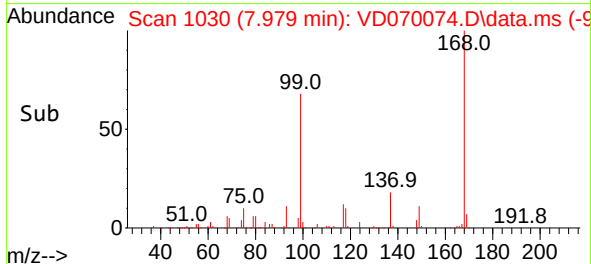
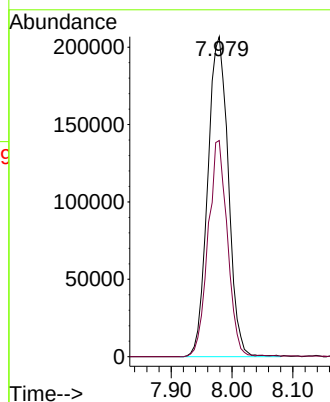
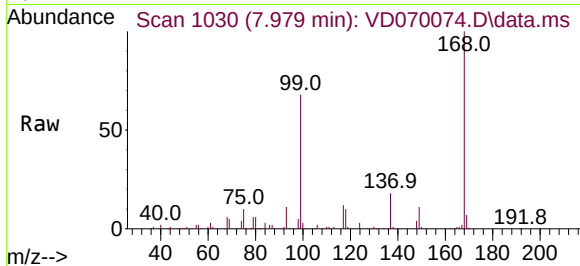




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070074.D
Acq: 16 Aug 2021 18:43

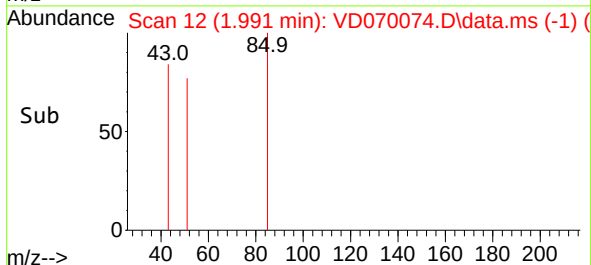
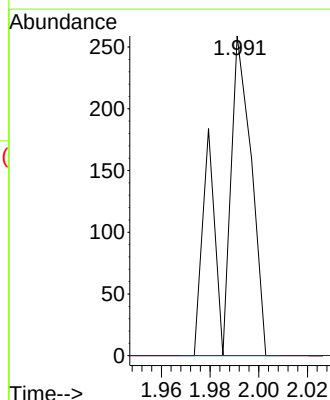
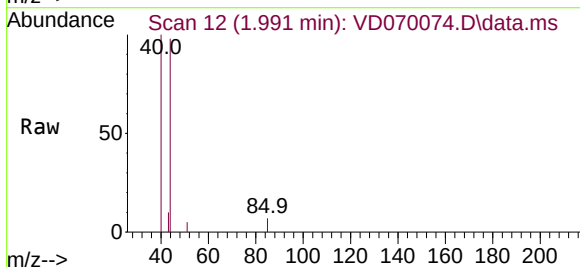
Instrument :
MSVOA_D
ClientSampled :

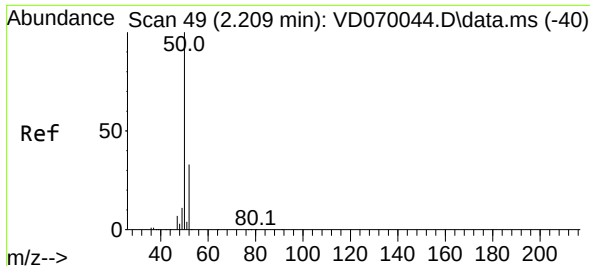
Tgt Ion:168 Resp: 484700
Ion Ratio Lower Upper
168 100
99 67.5 50.3 75.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070074.D
Acq: 16 Aug 2021 18:43

Tgt Ion: 85 Resp: 213
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.6#

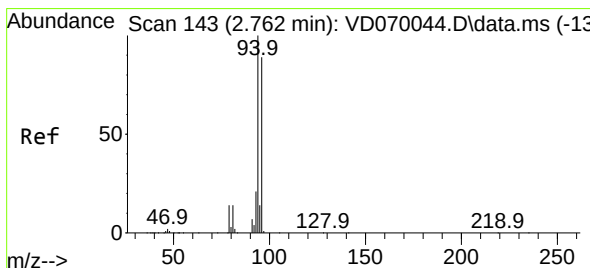
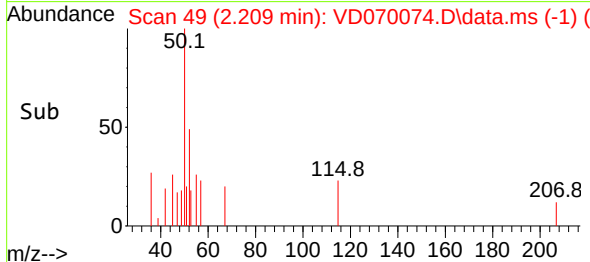
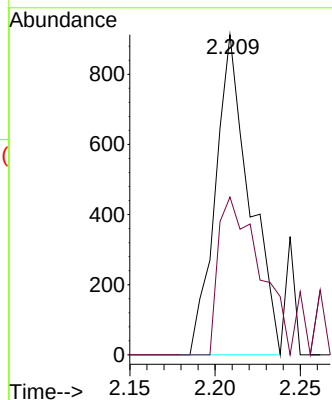
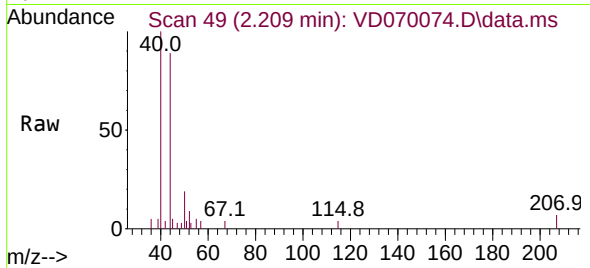




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070074.D
Acq: 16 Aug 2021 18:43

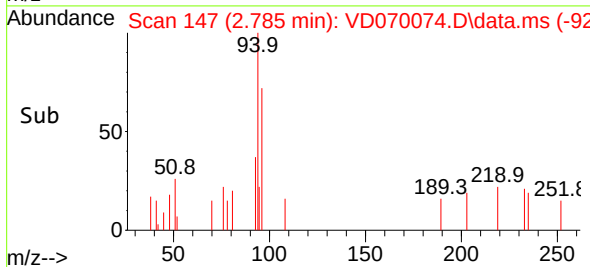
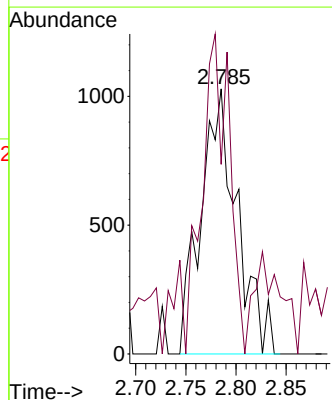
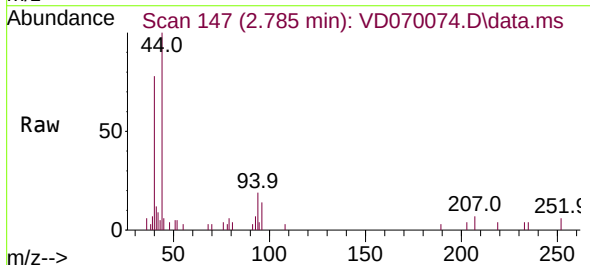
Instrument :
MSVOA_D
ClientSampled :

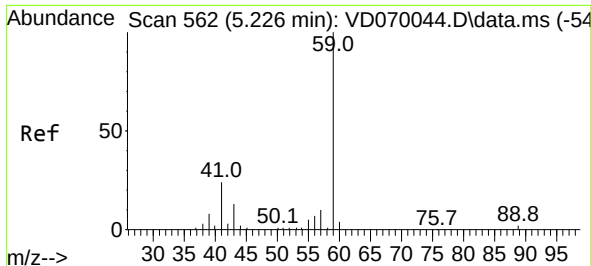
Tgt Ion: 50 Resp: 1274
Ion Ratio Lower Upper
50 100
52 49.3 26.3 39.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070074.D
Acq: 16 Aug 2021 18:43

Tgt Ion: 94 Resp: 2597
Ion Ratio Lower Upper
94 100
96 41.1 70.9 106.3#

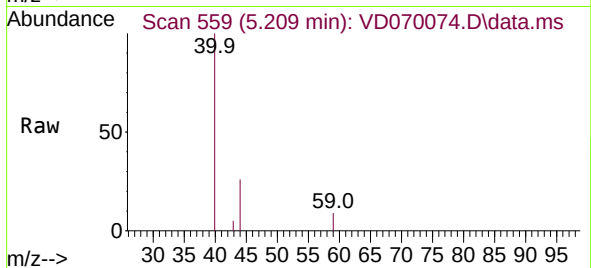




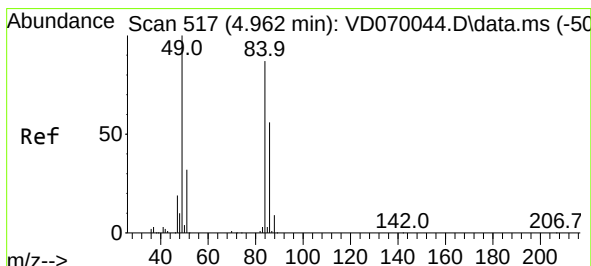
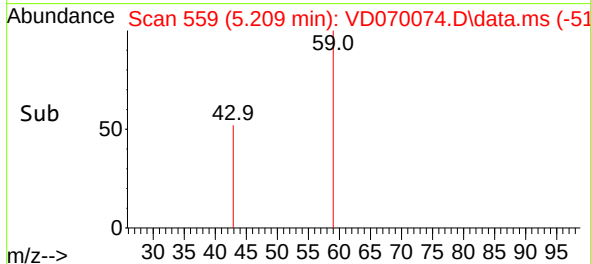
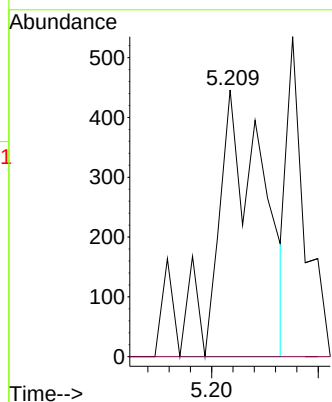
#11

Tert butyl alcohol
Concen: 2.107 ug/l
RT: 5.209 min Scan# 559
Delta R.T. -0.018 min
Lab File: VD070074.D
Acq: 16 Aug 2021 18:43

Instrument :
MSVOA_D
ClientSampled :



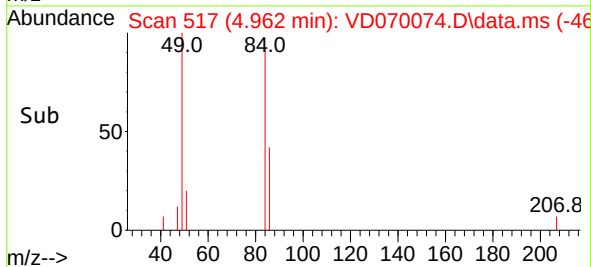
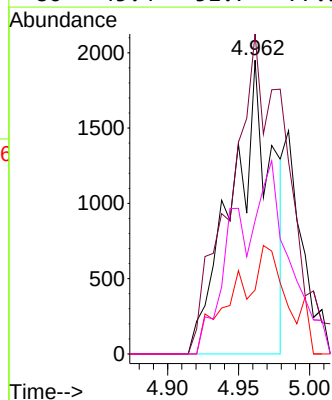
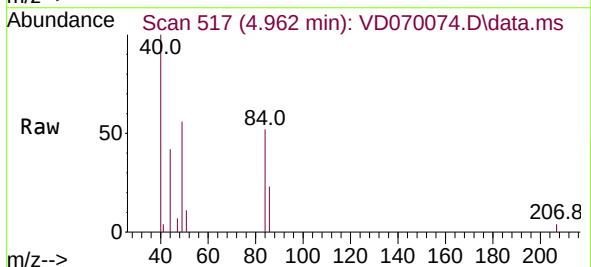
Tgt Ion: 59 Resp: 664
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

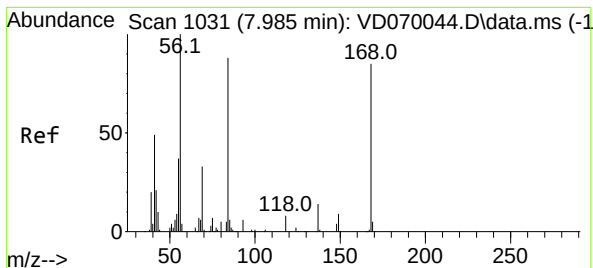


#20

Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070074.D
Acq: 16 Aug 2021 18:43

Tgt Ion: 84 Resp: 3894
Ion Ratio Lower Upper
84 100
49 108.9 92.5 138.7
51 21.8 29.7 44.5#
86 45.4 51.7 77.5#





#31

Cyclohexane

Concen: 1.025 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD070074.D

Acq: 16 Aug 2021 18:43

Tgt Ion: 56 Resp: 11569

Ion Ratio Lower Upper

56 100

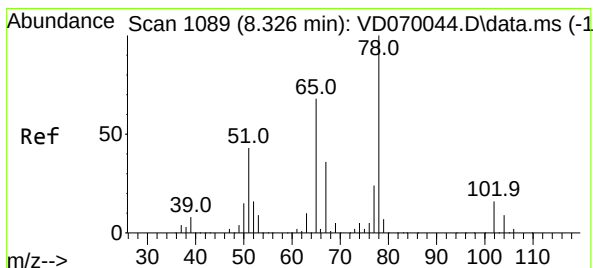
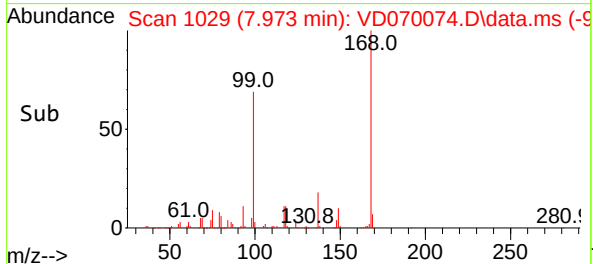
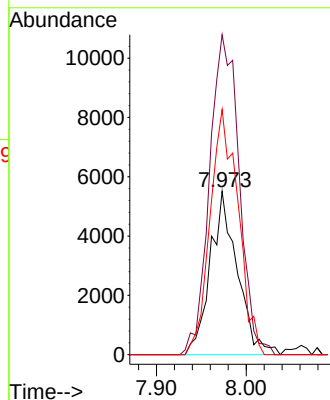
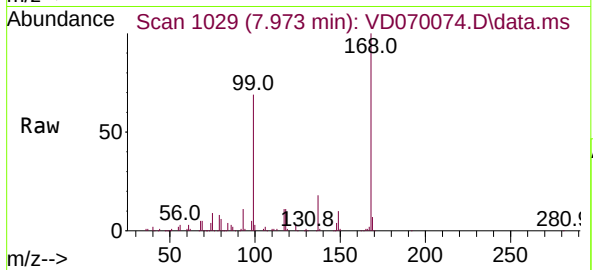
69 196.0 26.7 40.1#

84 150.2 70.4 105.6#

Instrument :

MSVOA_D

ClientSampled :



#33

1,2-Dichloroethane-d4

Concen: 64.013 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD070074.D

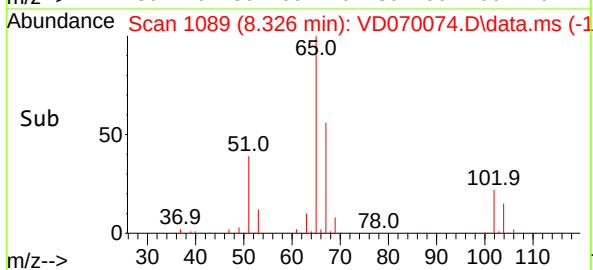
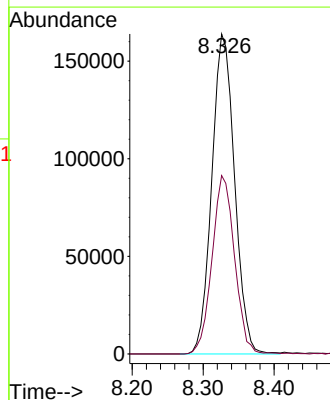
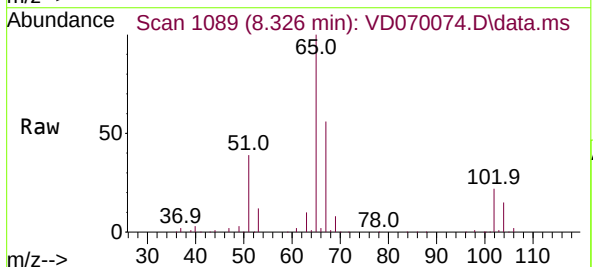
Acq: 16 Aug 2021 18:43

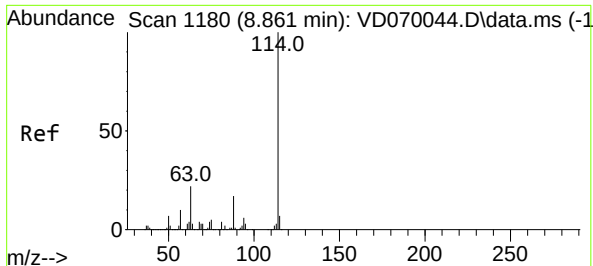
Tgt Ion: 65 Resp: 364927

Ion Ratio Lower Upper

65 100

67 55.1 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: VD070074.D

Acq: 16 Aug 2021 18:43

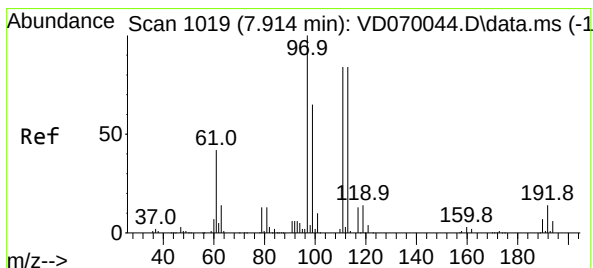
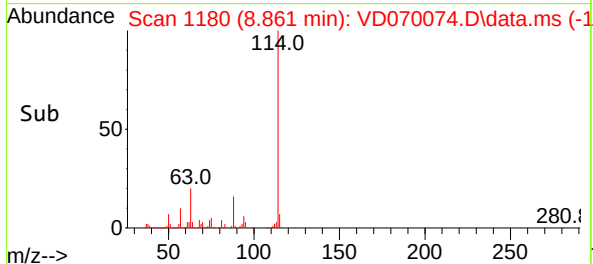
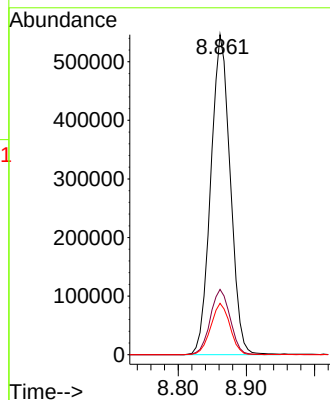
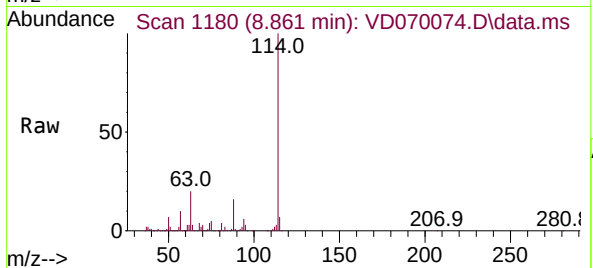
Tgt Ion:114 Resp: 1085788

Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.6

88 16.0 0.0 33.4



#35

Dibromofluoromethane

Concen: 52.030 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070074.D

Acq: 16 Aug 2021 18:43

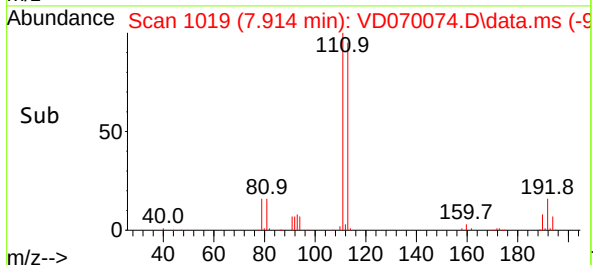
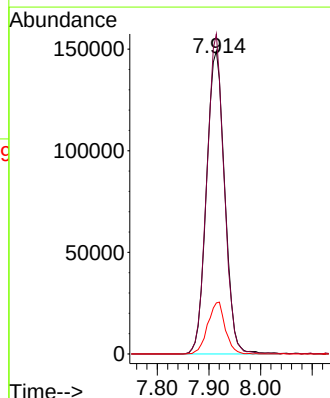
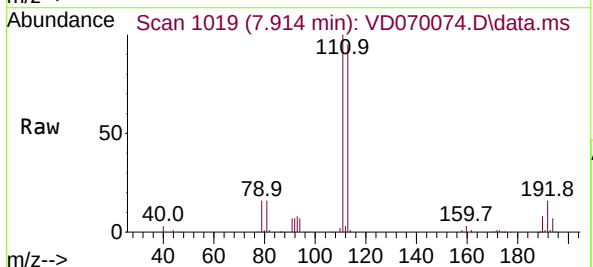
Tgt Ion:113 Resp: 364987

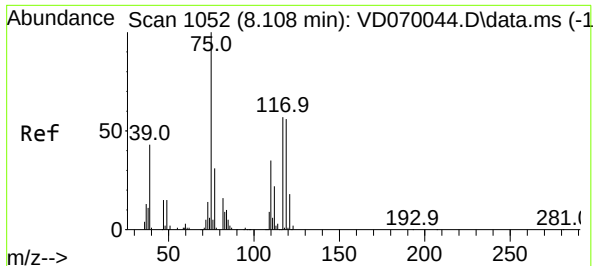
Ion Ratio Lower Upper

113 100

111 100.5 81.8 122.6

192 16.4 13.2 19.8

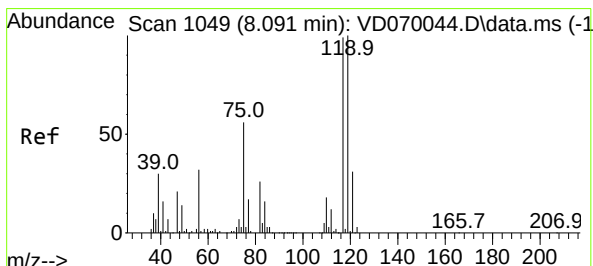
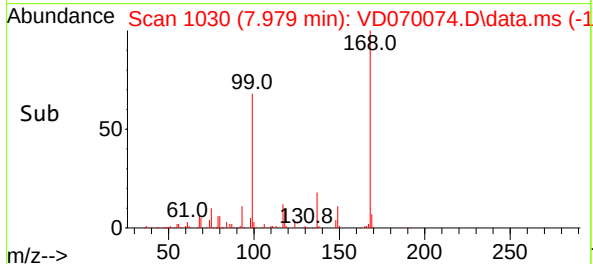
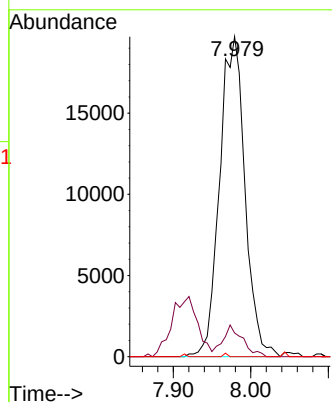
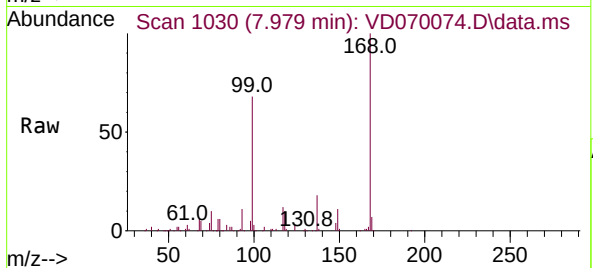




#36
1,1-Dichloropropene
Concen: 3.829 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070074.D
Acq: 16 Aug 2021 18:43

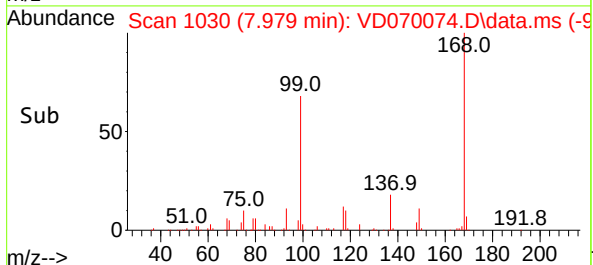
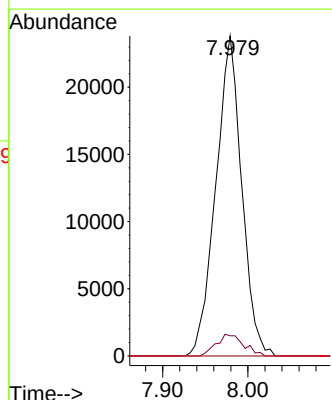
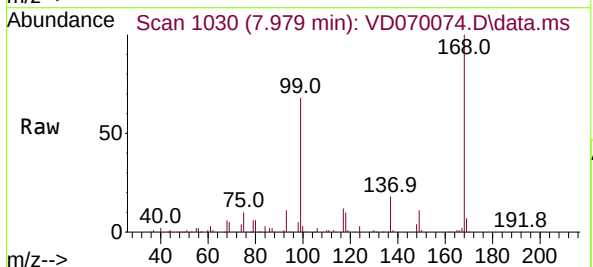
Instrument :
MSVOA_D
ClientSampleId :

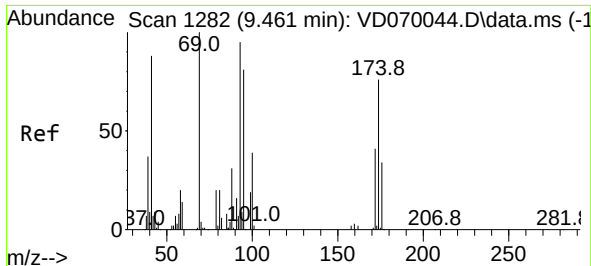
Tgt Ion: 75 Resp: 44728
Ion Ratio Lower Upper
75 100
110 7.7 16.9 50.7#
77 0.2 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 4.742 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070074.D
Acq: 16 Aug 2021 18:43

Tgt Ion: 117 Resp: 50288
Ion Ratio Lower Upper
117 100
119 6.3 81.0 121.6#
121 0.0 25.0 37.6#

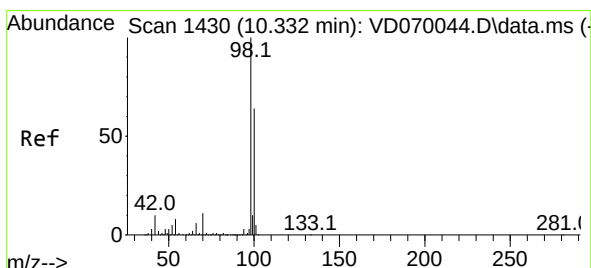
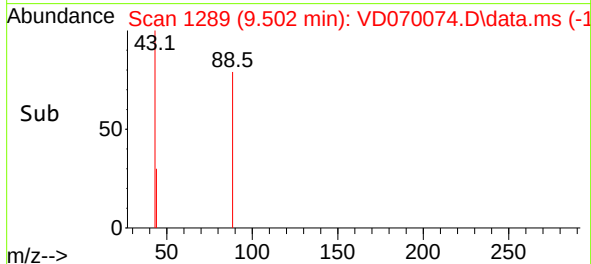
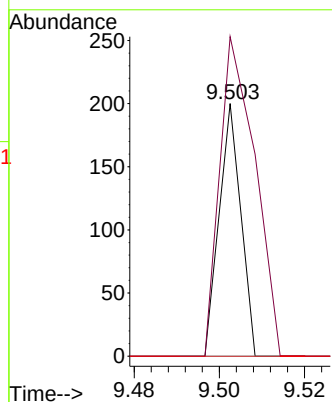
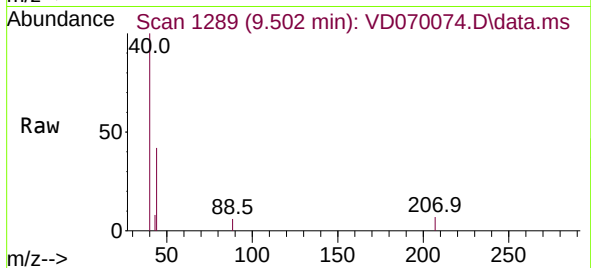




#49
1,4-Dioxane
Concen: 1.526 ug/l
RT: 9.502 min Scan# 1289
Delta R.T. 0.041 min
Lab File: VD070074.D
Acq: 16 Aug 2021 18:43

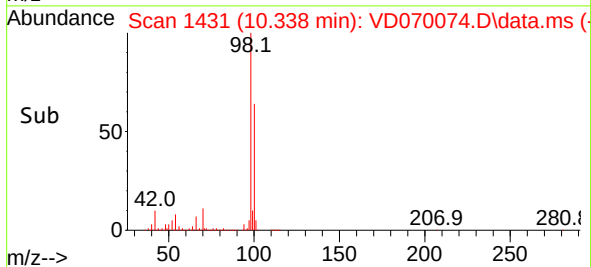
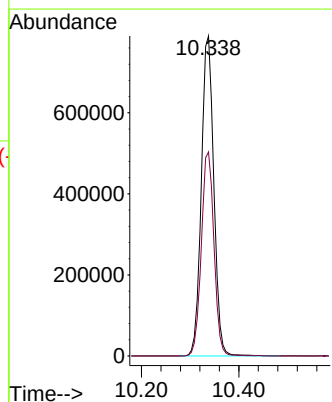
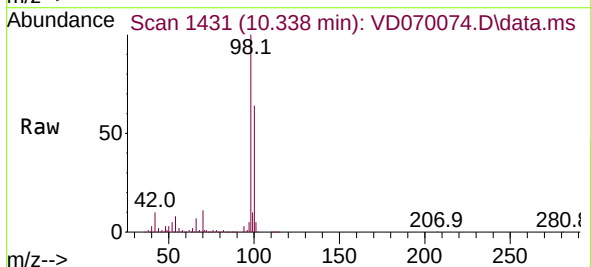
Instrument :
MSVOA_D
ClientSampleId :

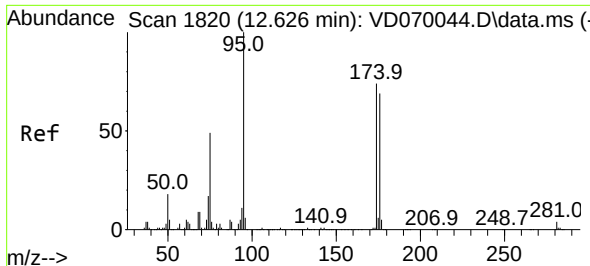
Tgt Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 205.6 25.8 38.6#
58 0.0 57.4 86.2#



#50
Toluene-d8
Concen: 51.470 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070074.D
Acq: 16 Aug 2021 18:43

Tgt Ion: 98 Resp: 1404320
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8

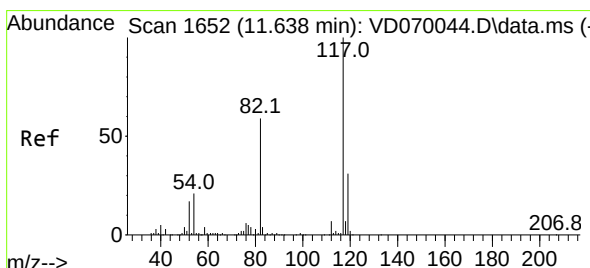
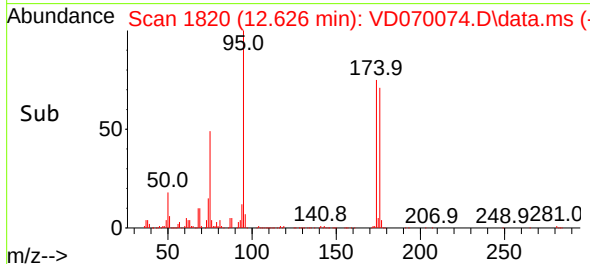
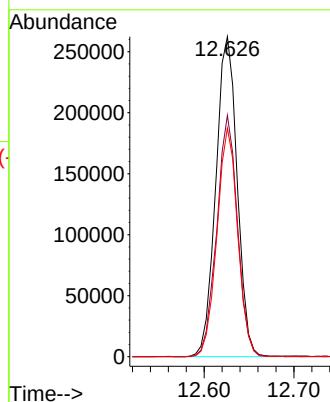
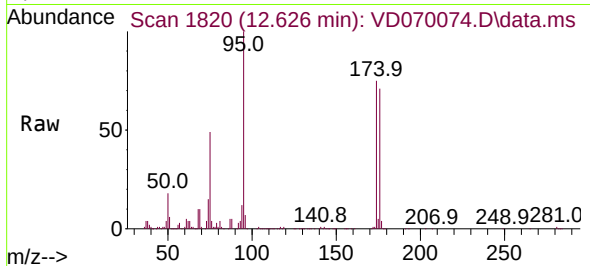




#62
4-Bromofluorobenzene
Concen: 48.214 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070074.D
Acq: 16 Aug 2021 18:43

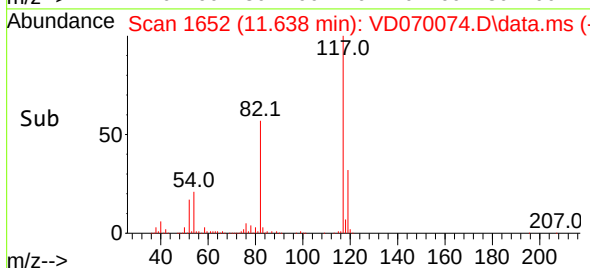
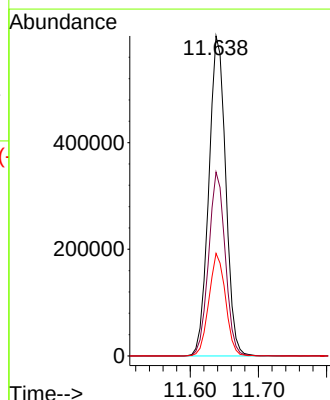
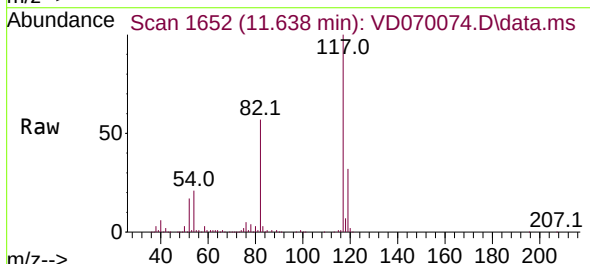
Instrument :
MSVOA_D
ClientSampleId :

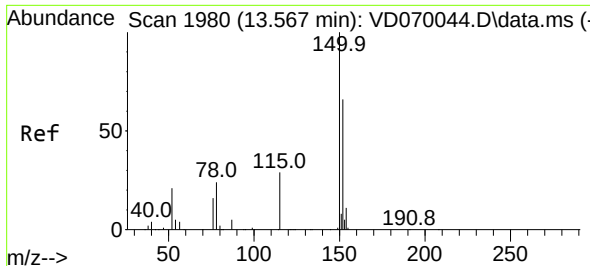
Tgt Ion: 95 Resp: 433283
Ion Ratio Lower Upper
95 100
174 73.2 0.0 141.6
176 69.0 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070074.D
Acq: 16 Aug 2021 18:43

Tgt Ion: 117 Resp: 1035053
Ion Ratio Lower Upper
117 100
82 57.4 47.5 71.3
119 32.0 25.1 37.7

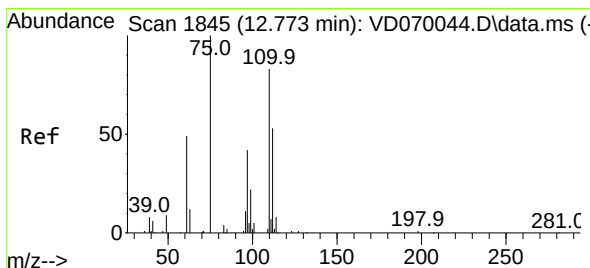
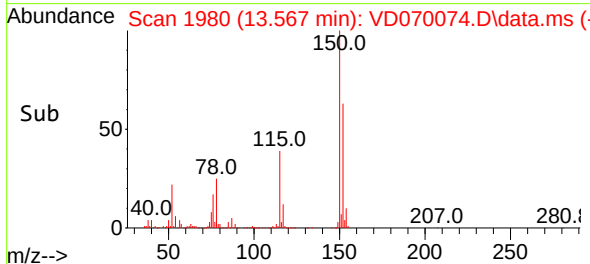
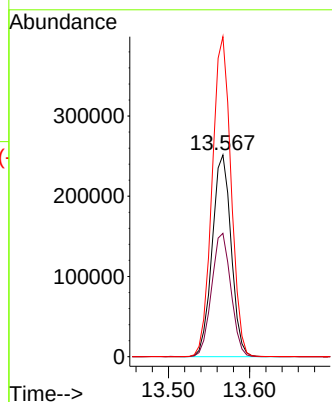
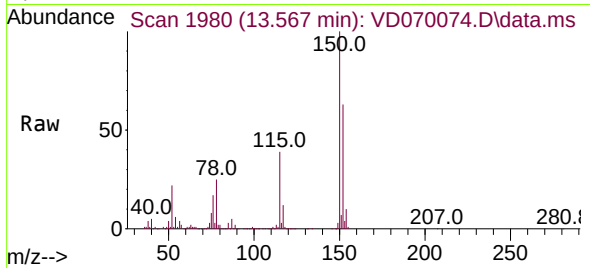




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: VD070074.D
 Acq: 16 Aug 2021 18:43

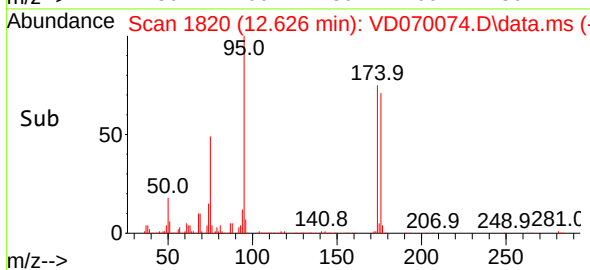
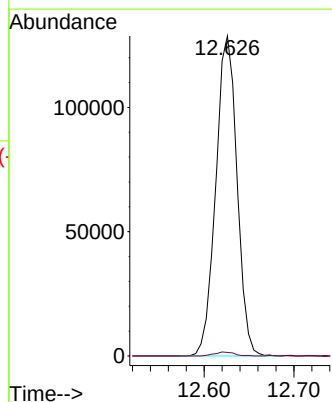
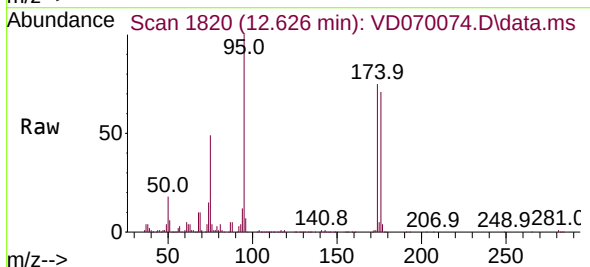
Instrument :
 MSVOA_D
 ClientSampled :

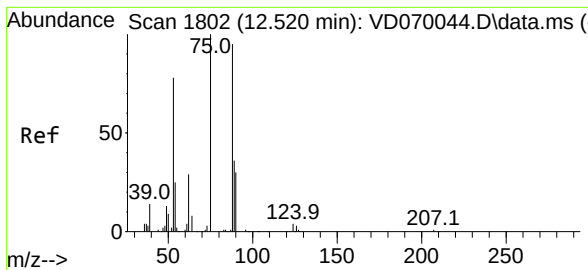
Tgt Ion:152 Resp: 407822
 Ion Ratio Lower Upper
 152 100
 115 62.2 31.2 93.6
 150 158.0 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 51.080 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070074.D
 Acq: 16 Aug 2021 18:43

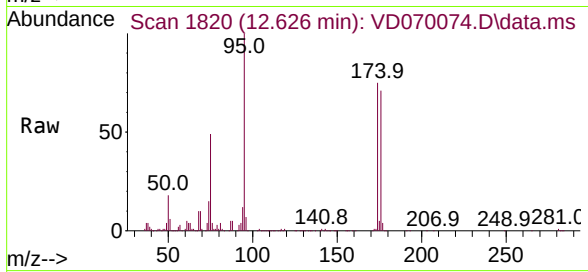
Tgt Ion: 75 Resp: 211259
 Ion Ratio Lower Upper
 75 100
 77 1.2 182.4 547.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.584 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070074.D
 Acq: 16 Aug 2021 18:43

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	211259
Ion	Ratio	Lower	Upper
75	100		
53	0.4	64.5	96.7#
89	0.0	33.7	50.5#

