

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082321\
 Data File : VD070219.D
 Acq On : 23 Aug 2021 13:57
 Operator : VA/SY
 Sample : M3463-19
 Misc : 3.48G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 24 01:30:55 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)

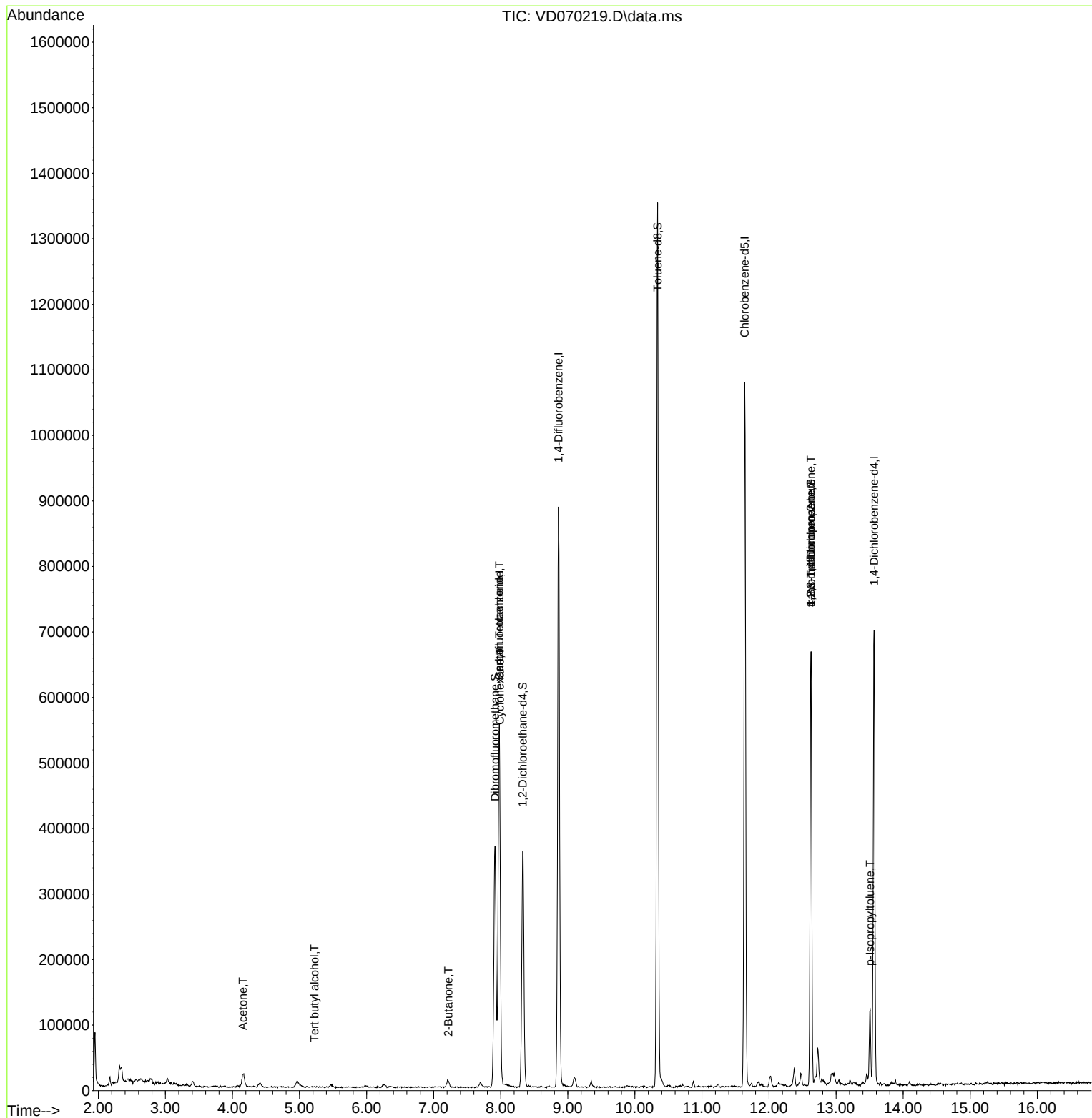
Internal Standards						
1) Pentafluorobenzene	7.979	168	375901	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	754239	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	628969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	180903	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	282220	63.834	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.660%	
35) Dibromofluoromethane	7.914	113	272183	55.857	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.720%	
50) Toluene-d8	10.338	98	919261	48.503	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.000%	
62) 4-Bromofluorobenzene	12.626	95	232001	37.164	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 74.320%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	755	Below Cal		91
3) Chloromethane	2.209	50	1808	Below Cal	#	83
5) Bromomethane	2.779	94	2434	Below Cal	#	62
11) Tert butyl alcohol	5.220	59	1275	5.217	ug/l #	71
16) Acetone	4.156	43	37094	45.544	ug/l #	87
20) Methylene Chloride	4.962	84	6600	Below Cal		92
25) 2-Butanone	7.220	43	7585	6.816	ug/l	96
31) Cyclohexane	7.985	56	10698	1.222	ug/l #	15
38) Carbon Tetrachloride	7.979	117	42345	5.748	ug/l #	14
76) 1,2,3-Trichloropropane	12.626	75	115520	62.967	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	115520	163.440	ug/l #	18
86) p-Isopropyltoluene	13.508	119	59453	5.032	ug/l	95

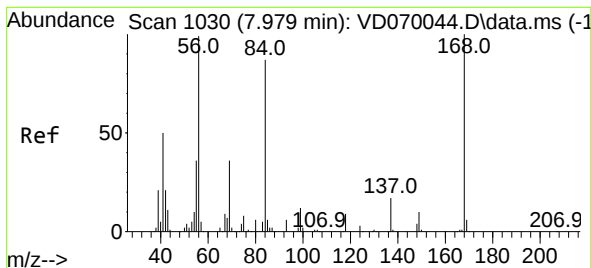
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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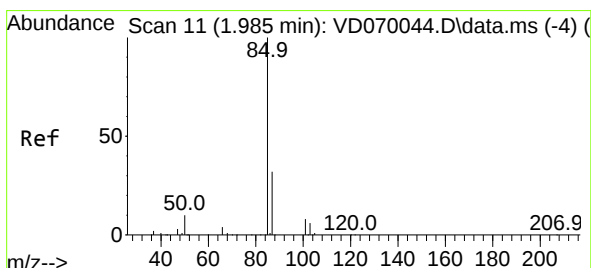
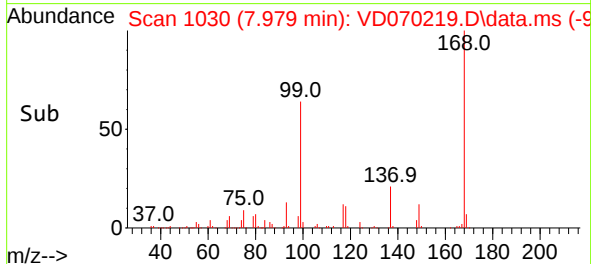
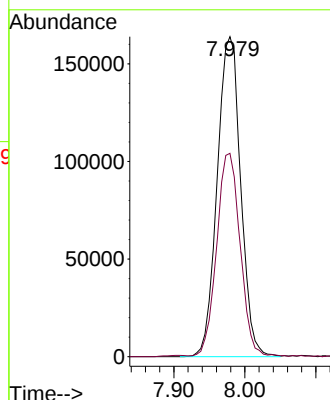
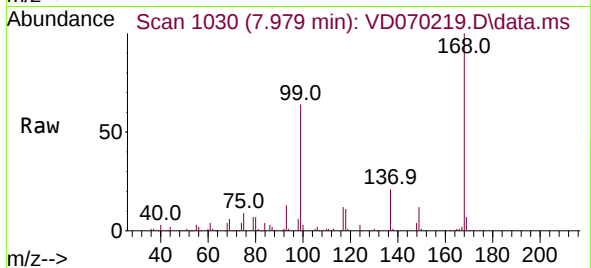




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070219.D
Acq: 23 Aug 2021 13:57

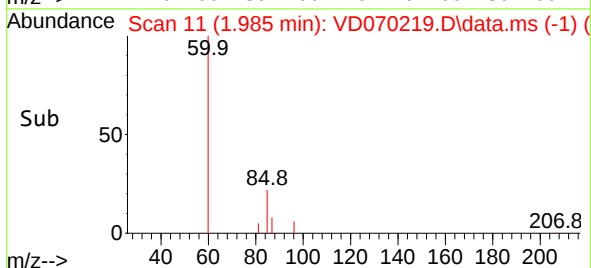
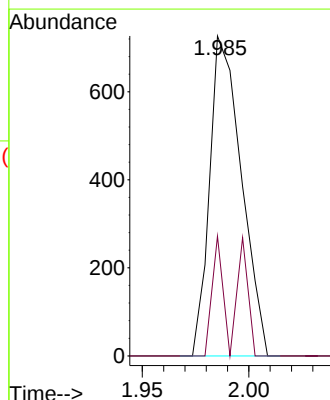
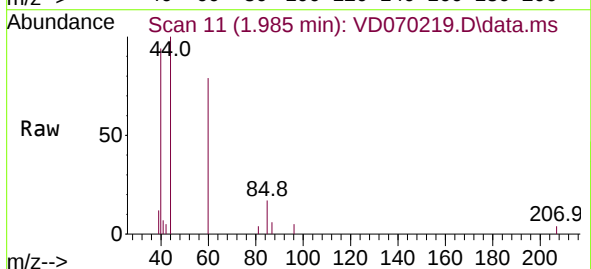
Instrument :
MSVOA_D
ClientSampleId :

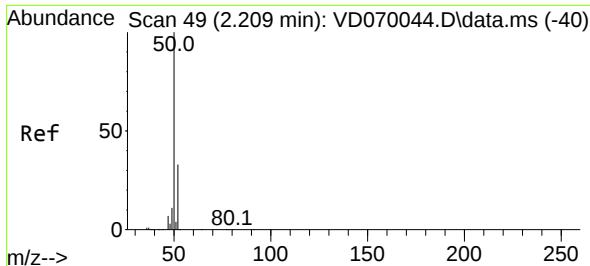
Tgt Ion:168 Resp: 375901
Ion Ratio Lower Upper
168 100
99 63.2 50.3 75.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070219.D
Acq: 23 Aug 2021 13:57

Tgt Ion: 85 Resp: 755
Ion Ratio Lower Upper
85 100
87 37.4 16.2 48.6

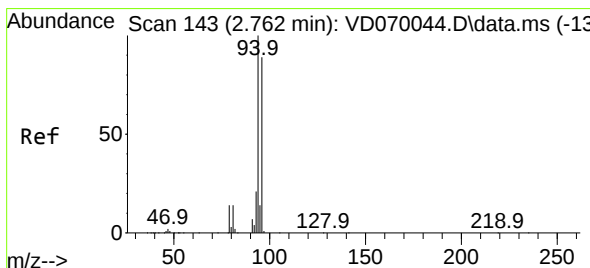
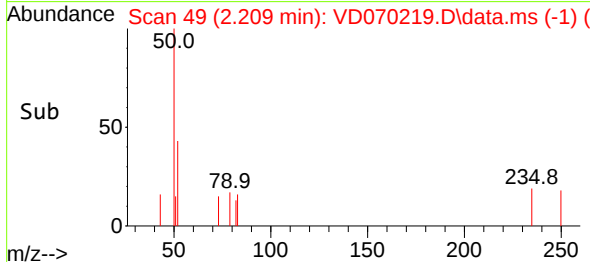
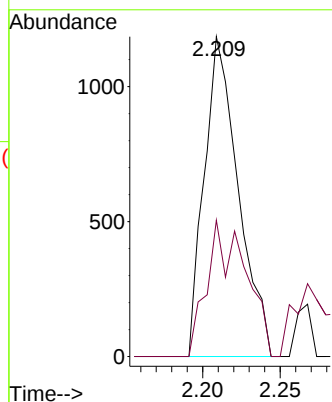
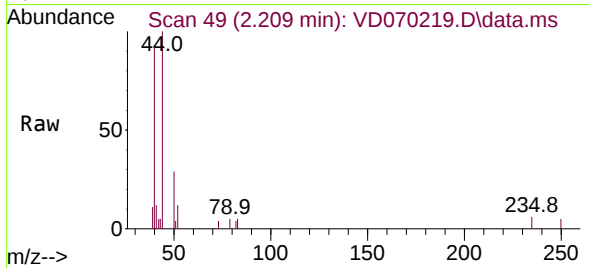




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070219.D
Acq: 23 Aug 2021 13:57

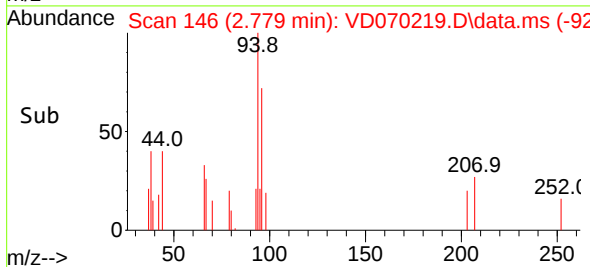
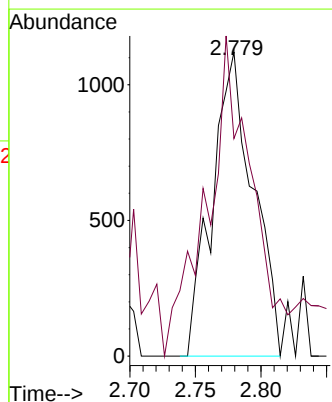
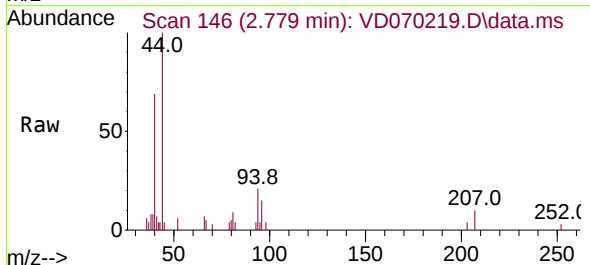
Instrument :
MSVOA_D
ClientSampled :

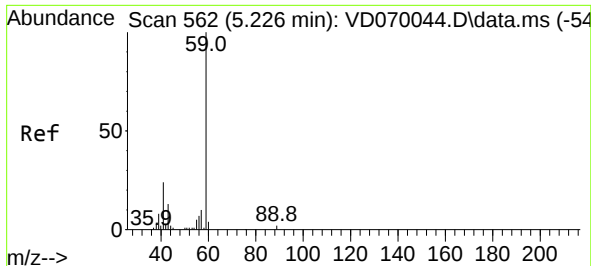
Tgt Ion: 50 Resp: 1808
Ion Ratio Lower Upper
50 100
52 42.6 26.3 39.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070219.D
Acq: 23 Aug 2021 13:57

Tgt Ion: 94 Resp: 2434
Ion Ratio Lower Upper
94 100
96 52.7 70.9 106.3#



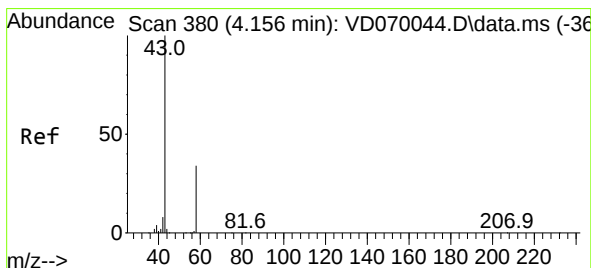
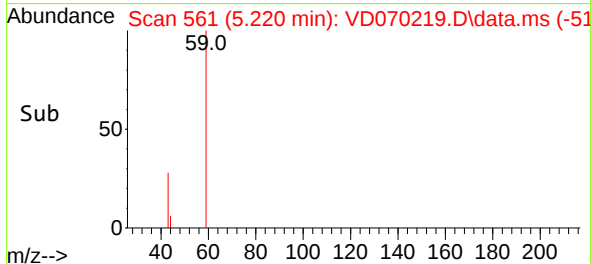
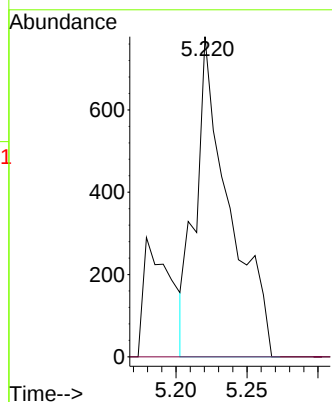
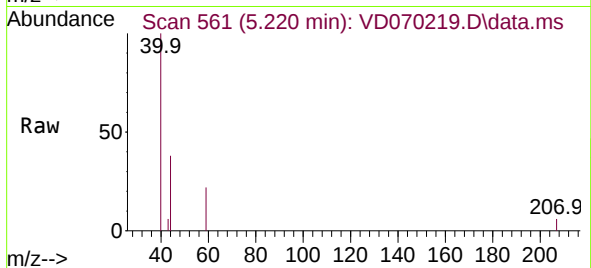


#11

Tert butyl alcohol
Concen: 5.217 ug/l
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD070219.D
Acq: 23 Aug 2021 13:57

Instrument :
MSVOA_D
ClientSampleId :

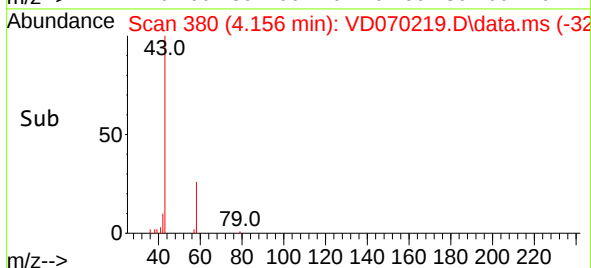
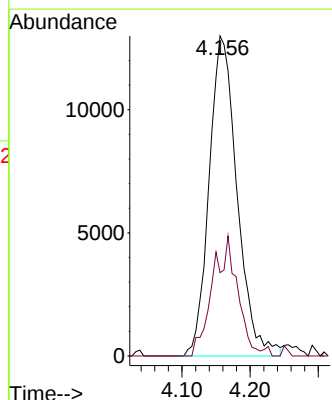
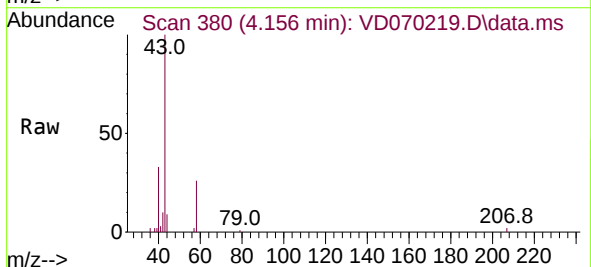
Tgt Ion: 59 Resp: 1275
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

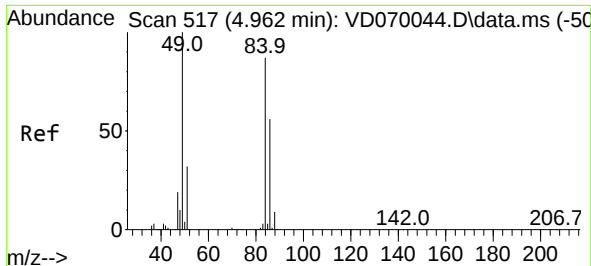


#16

Acetone
Concen: 45.544 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070219.D
Acq: 23 Aug 2021 13:57

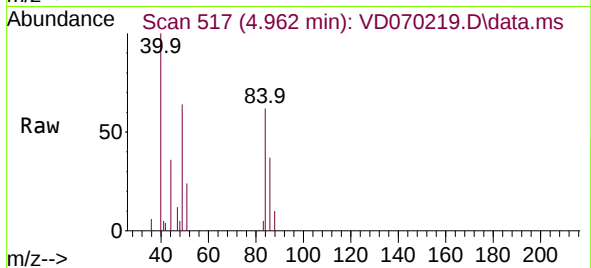
Tgt Ion: 43 Resp: 37094
Ion Ratio Lower Upper
43 100
58 26.1 26.8 40.2#



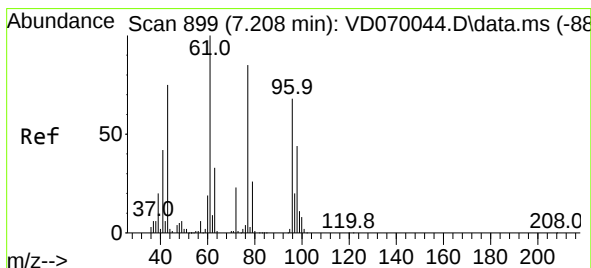
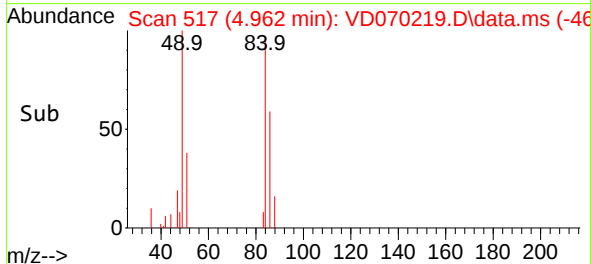
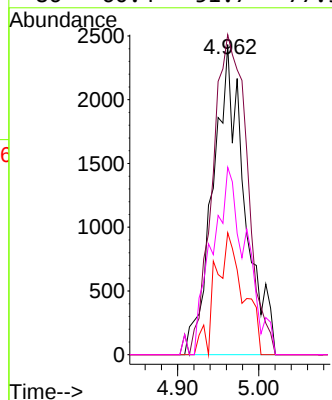


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070219.D
Acq: 23 Aug 2021 13:57

Instrument :
MSVOA_D
ClientSampleId :

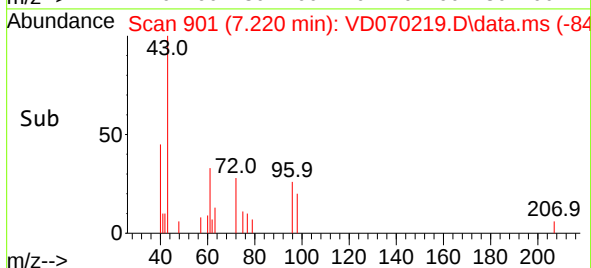
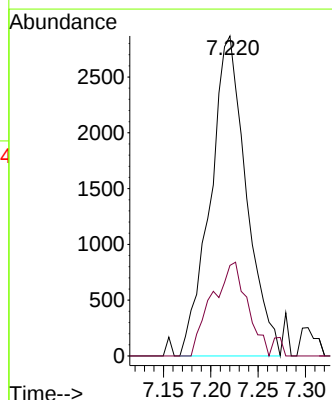
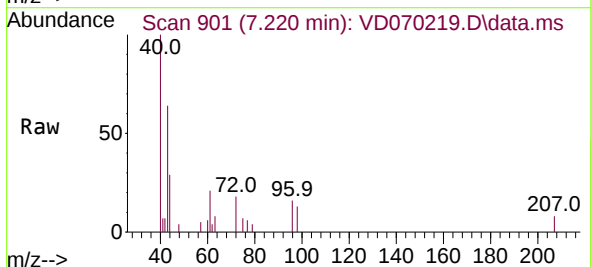


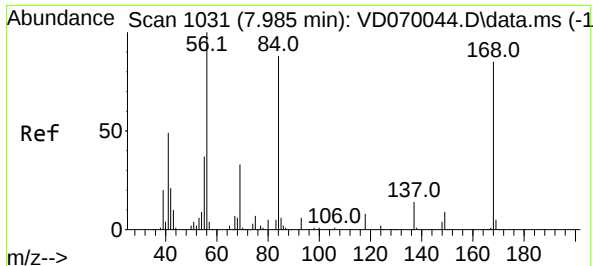
Tgt Ion:	84	Resp:	6600
Ion	Ratio	Lower	Upper
84	100		
49	103.2	92.5	138.7
51	39.4	29.7	44.5
86	60.4	51.7	77.5



#25
2-Butanone
Concen: 6.816 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.012 min
Lab File: VD070219.D
Acq: 23 Aug 2021 13:57

Tgt Ion:	43	Resp:	7585
Ion	Ratio	Lower	Upper
43	100		
72	28.3	24.2	36.4





#31

Cyclohexane

Concen: 1.222 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VD070219.D

Acq: 23 Aug 2021 13:57

Tgt Ion: 56 Resp: 10698

Ion Ratio Lower Upper

56 100

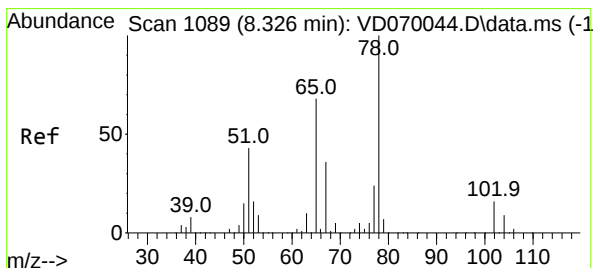
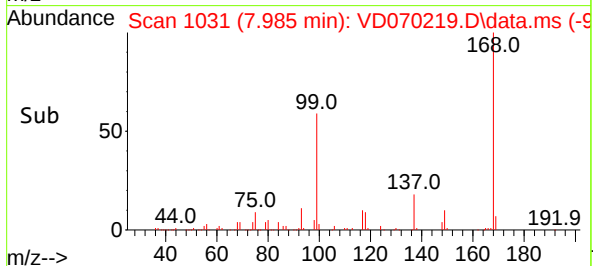
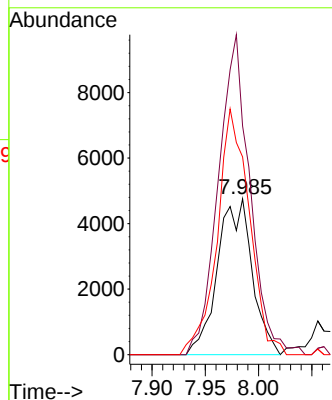
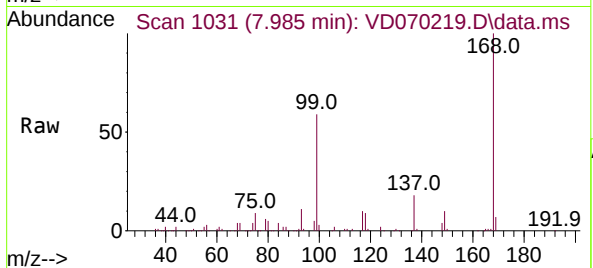
69 146.7 26.7 40.1#

84 126.9 70.4 105.6#

Instrument :

MSVOA_D

ClientSampleId :



#33

1,2-Dichloroethane-d4

Concen: 63.834 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD070219.D

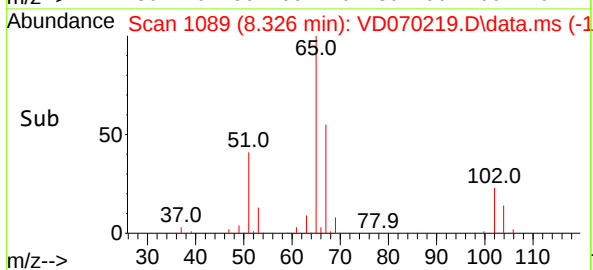
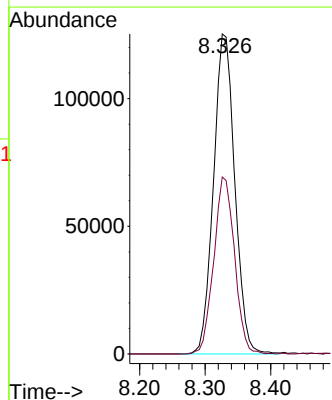
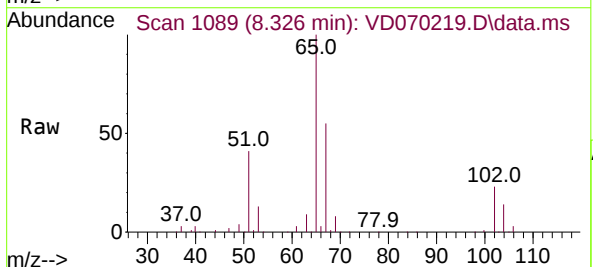
Acq: 23 Aug 2021 13:57

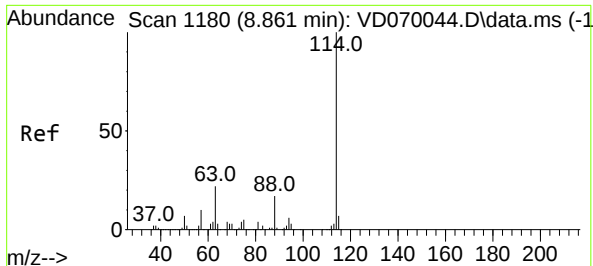
Tgt Ion: 65 Resp: 282220

Ion Ratio Lower Upper

65 100

67 54.0 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: VD070219.D

Acq: 23 Aug 2021 13:57

Tgt Ion:114 Resp: 754239

Ion Ratio Lower Upper

114 100

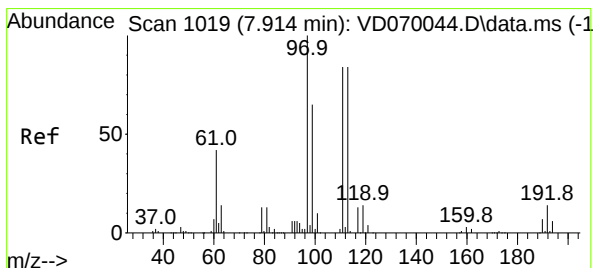
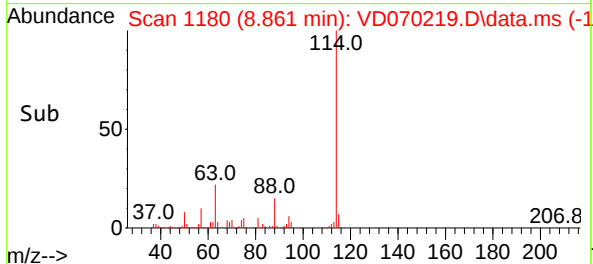
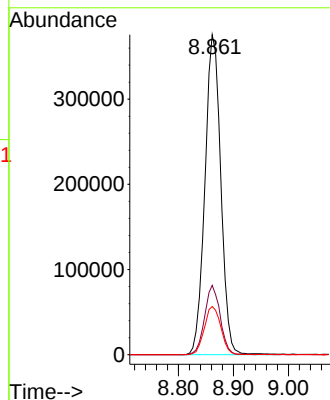
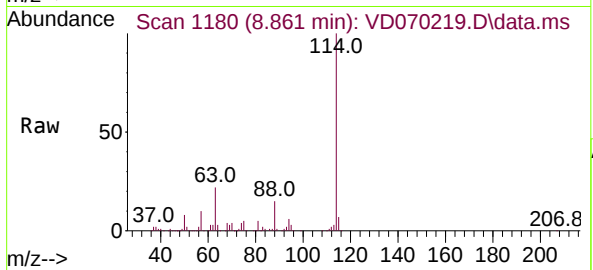
63 21.7 0.0 43.6

88 15.0 0.0 33.4

Instrument :

MSVOA_D

ClientSampleId :



#35

Dibromofluoromethane

Concen: 55.857 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070219.D

Acq: 23 Aug 2021 13:57

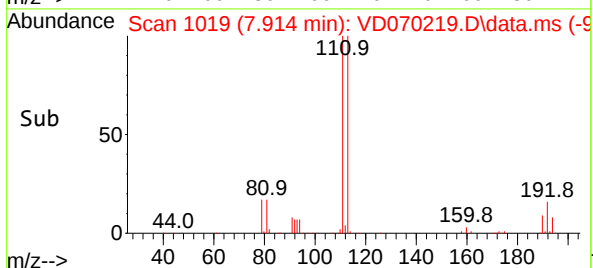
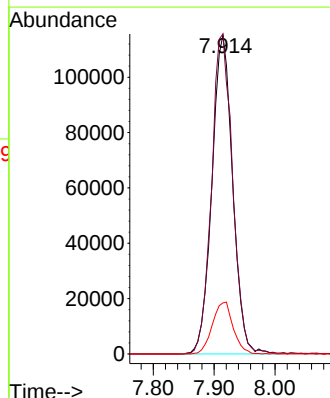
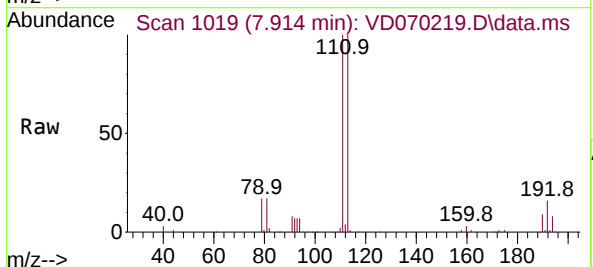
Tgt Ion:113 Resp: 272183

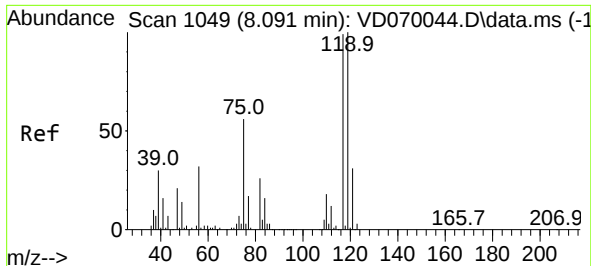
Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.6

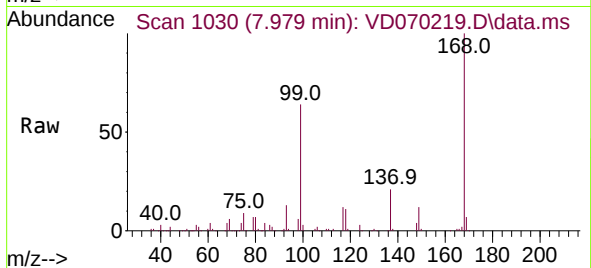
192 16.3 13.2 19.8



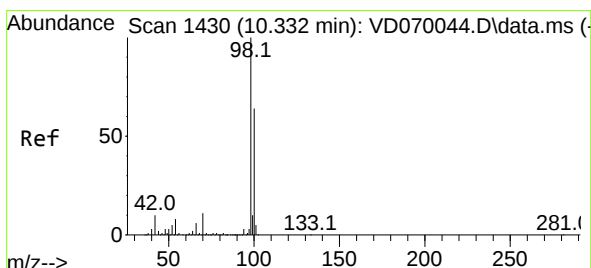
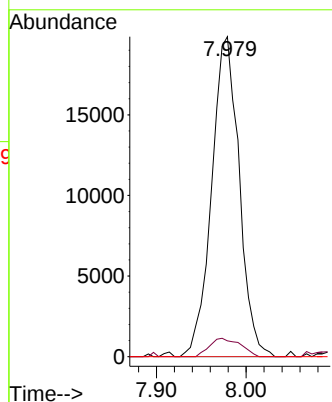
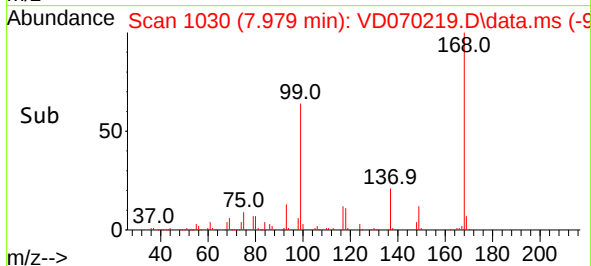


#38
Carbon Tetrachloride
Concen: 5.748 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070219.D
Acq: 23 Aug 2021 13:57

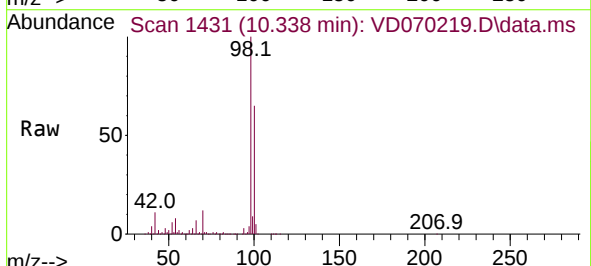
Instrument :
MSVOA_D
ClientSampleId :



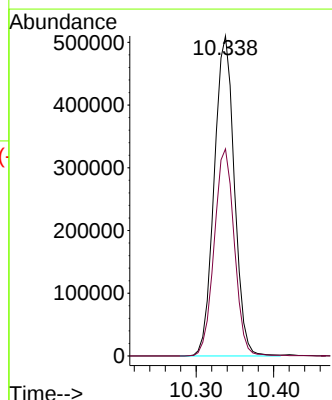
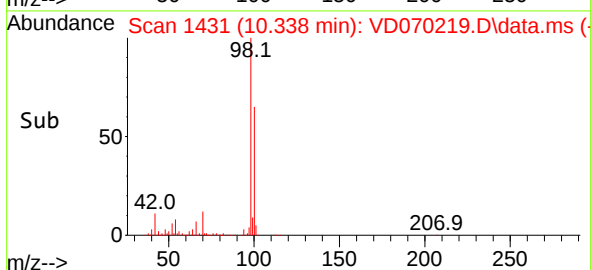
Tgt Ion:117 Resp: 42345
Ion Ratio Lower Upper
117 100
119 4.9 81.0 121.6#
121 0.0 25.0 37.6#

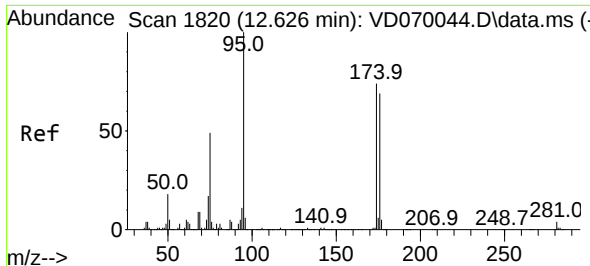


#50
Toluene-d8
Concen: 48.503 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070219.D
Acq: 23 Aug 2021 13:57



Tgt Ion: 98 Resp: 919261
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8

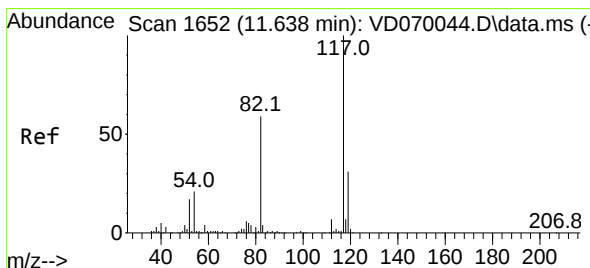
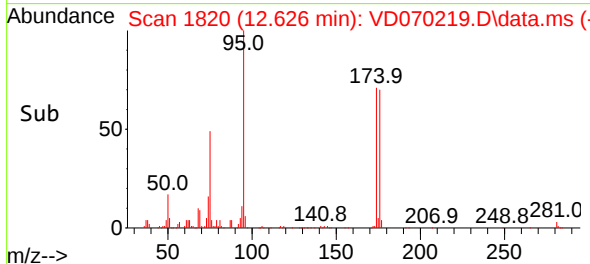
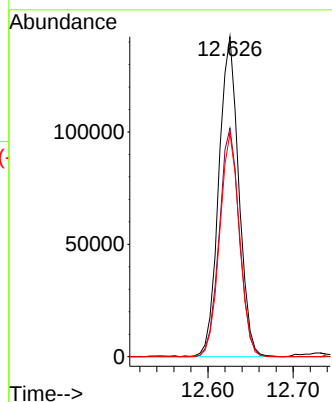
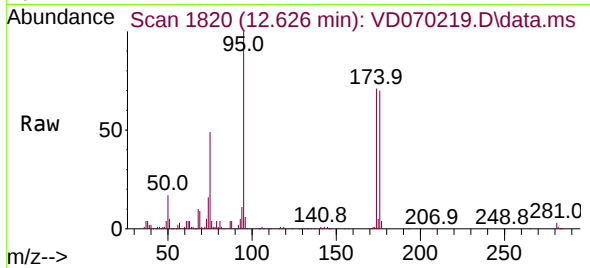




#62
4-Bromofluorobenzene
Concen: 37.164 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070219.D
Acq: 23 Aug 2021 13:57

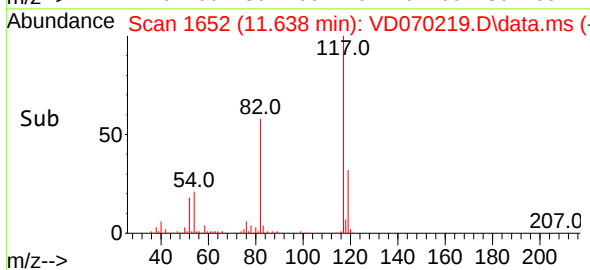
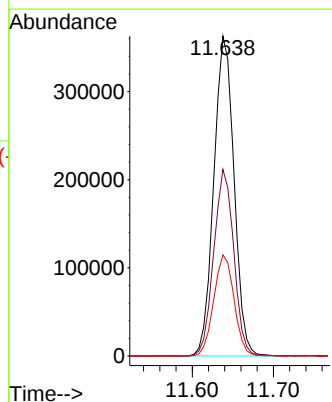
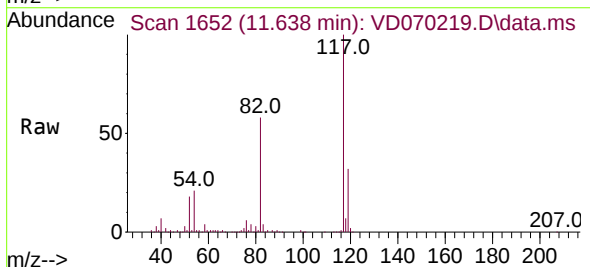
Instrument :
MSVOA_D
ClientSampleId :

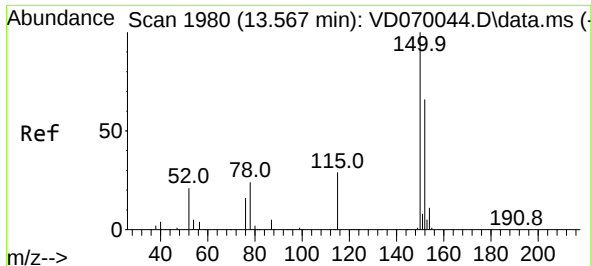
Tgt Ion: 95 Resp: 232001
Ion Ratio Lower Upper
95 100
174 71.7 0.0 141.6
176 69.2 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070219.D
Acq: 23 Aug 2021 13:57

Tgt Ion: 117 Resp: 628969
Ion Ratio Lower Upper
117 100
82 58.3 47.5 71.3
119 31.6 25.1 37.7

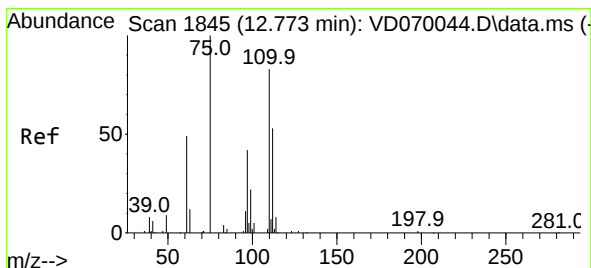
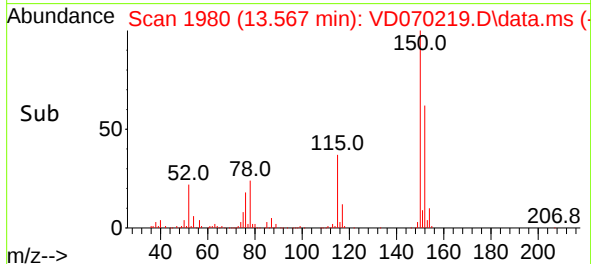
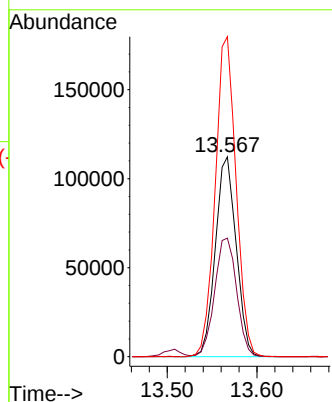
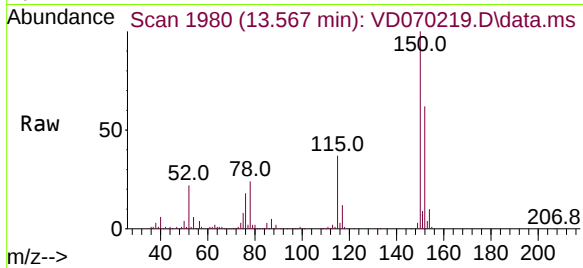




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070219.D
Acq: 23 Aug 2021 13:57

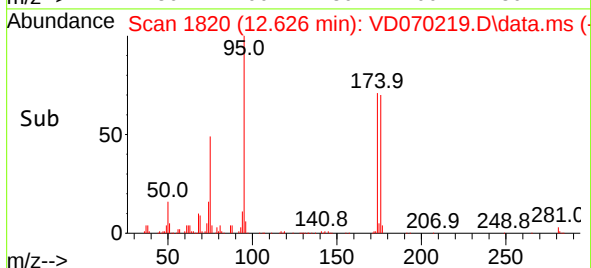
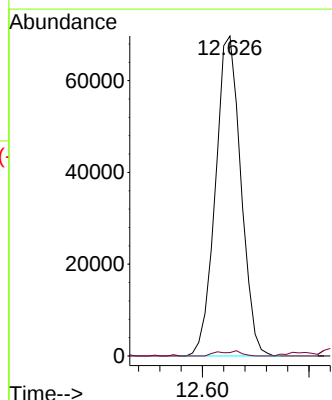
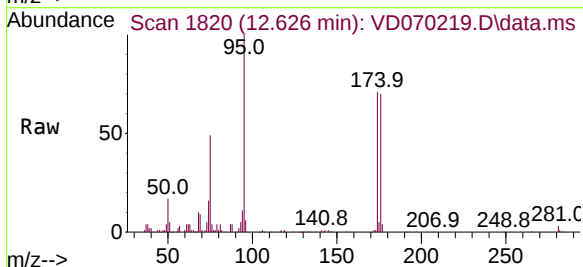
Instrument :
MSVOA_D
ClientSampleId :

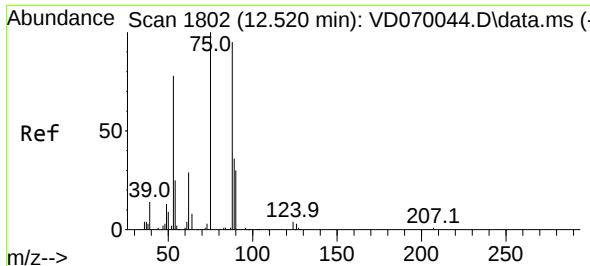
Tgt Ion:152 Resp: 180903
Ion Ratio Lower Upper
152 100
115 62.7 31.2 93.6
150 159.8 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 62.967 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070219.D
Acq: 23 Aug 2021 13:57

Tgt Ion: 75 Resp: 115520
Ion Ratio Lower Upper
75 100
77 1.4 182.4 547.2#

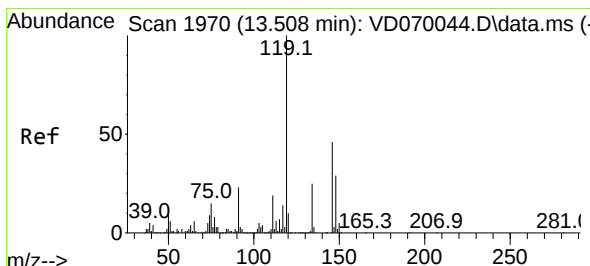
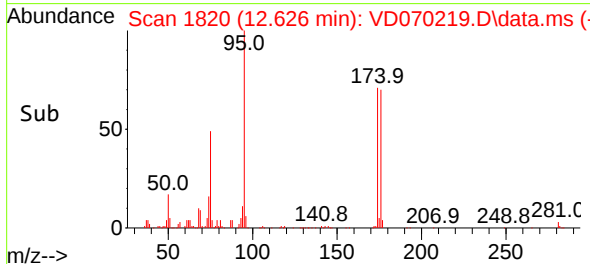
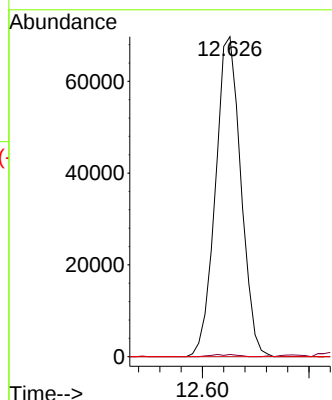
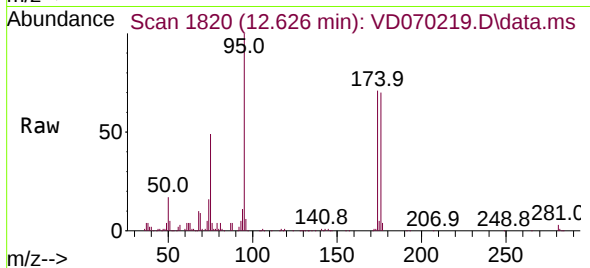




#81
trans-1,4-Dichloro-2-butene
Concen: 163.440 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070219.D
Acq: 23 Aug 2021 13:57

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 115520
Ion Ratio Lower Upper
75 100
53 0.7 64.5 96.7#
89 0.0 33.7 50.5#



#86
p-Isopropyltoluene
Concen: 5.032 ug/l
RT: 13.508 min Scan# 1970
Delta R.T. 0.000 min
Lab File: VD070219.D
Acq: 23 Aug 2021 13:57

Tgt Ion: 119 Resp: 59453
Ion Ratio Lower Upper
119 100
134 25.1 12.8 38.3
91 27.5 11.6 34.8

