

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082021\
 Data File : VD070196.D
 Acq On : 20 Aug 2021 12:00
 Operator : VA/SY
 Sample : VD0820SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 23 03:51:04 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	7.973	168	579926	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1124071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1086177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	468601	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	366485	53.730	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.460%	
35) Dibromofluoromethane	7.914	113	365038	50.265	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.540%	
50) Toluene-d8	10.338	98	1438017	50.910	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.820%	
62) 4-Bromofluorobenzene	12.626	95	477925	51.370	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.740%	

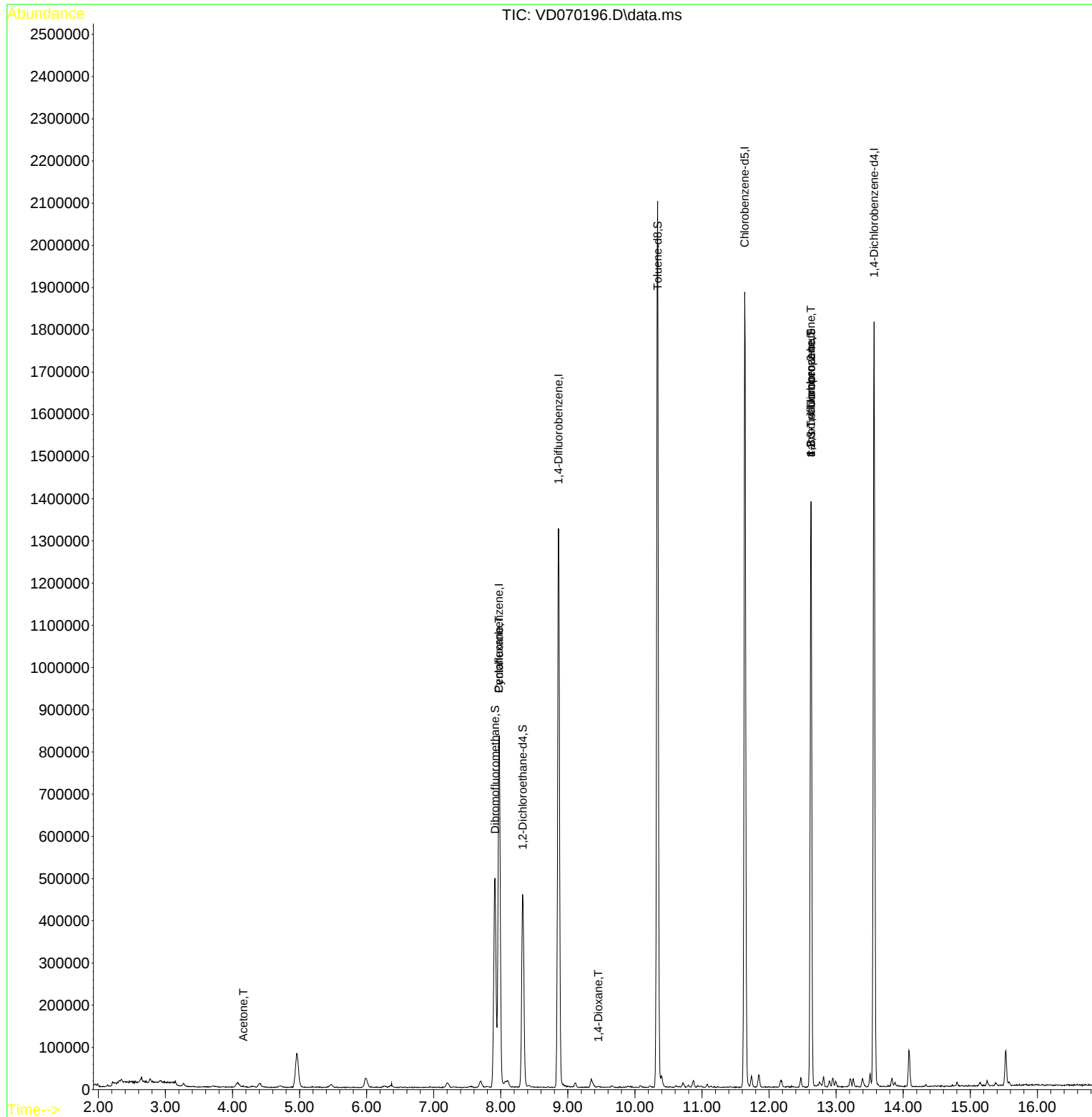
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.991	85	4143	Below Cal		89
3) Chloromethane	2.209	50	5838	Below Cal		90
5) Bromomethane	2.779	94	5918	Below Cal	#	64
16) Acetone	4.162	43	4474	3.561 ug/l		89
20) Methylene Chloride	4.961	84	65355	Below Cal		95
31) Cyclohexane	7.973	56	20429	1.513 ug/l	#	10
49) 1,4-Dioxane	9.455	88	73	1.516 ug/l	#	69
76) 1,2,3-Trichloropropane	12.626	75	234997	49.450 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.626	75	234997	128.353 ug/l	#	18

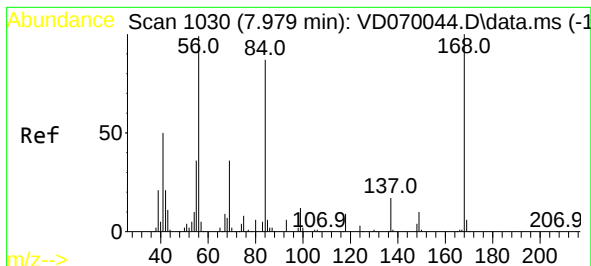
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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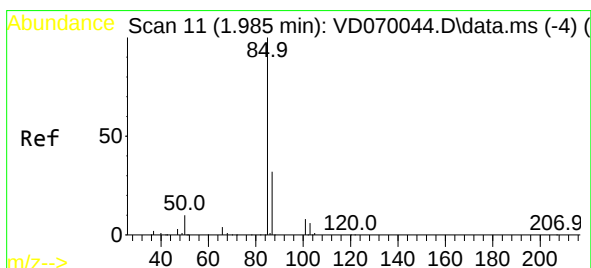
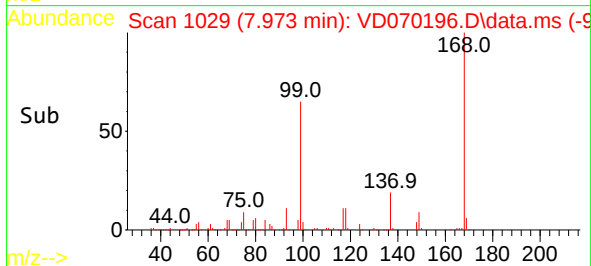
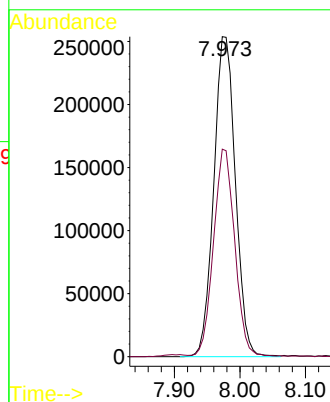
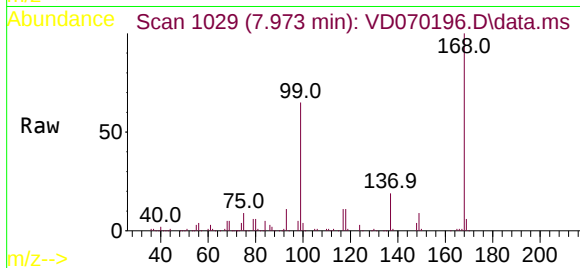




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070196.D
Acq: 20 Aug 2021 12:00

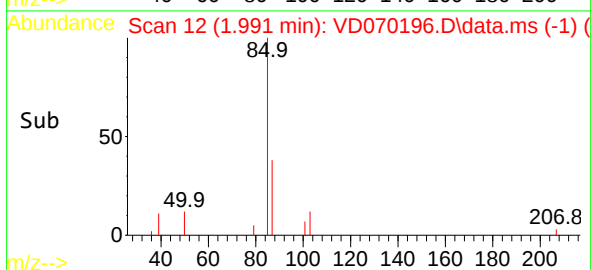
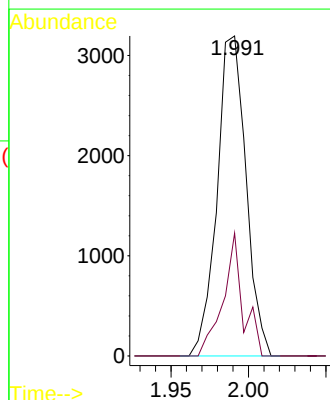
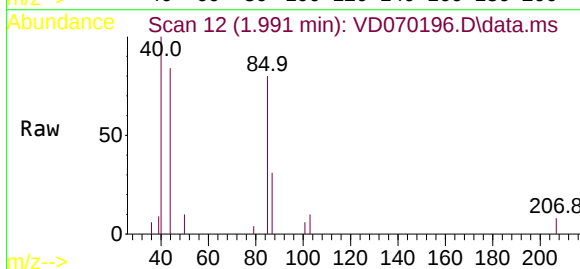
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 579926
Ion Ratio Lower Upper
168 100
99 64.5 50.3 75.5

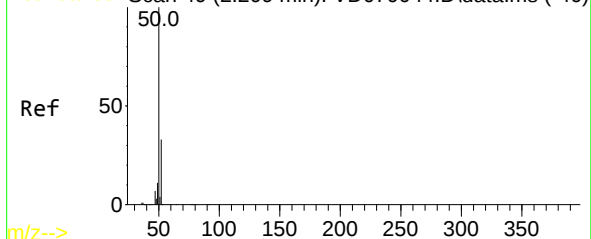


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070196.D
Acq: 20 Aug 2021 12:00

Tgt Ion: 85 Resp: 4143
Ion Ratio Lower Upper
85 100
87 38.4 16.2 48.6

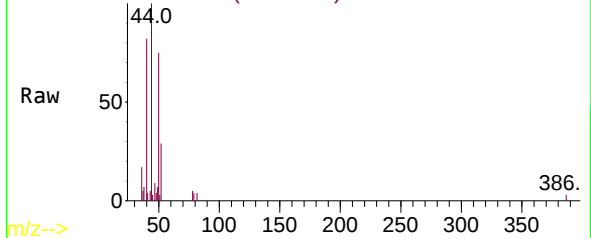


Abundance Scan 49 (2.209 min): VD070044.D\data.ms (-40)



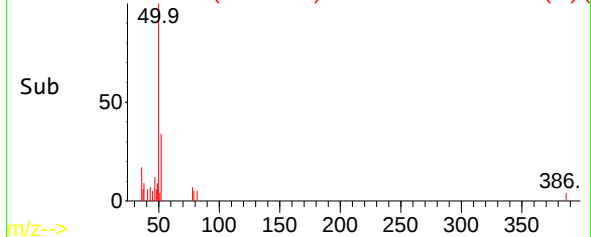
m/z-->

Abundance Scan 49 (2.209 min): VD070196.D\data.ms



m/z-->

Abundance Scan 49 (2.209 min): VD070196.D\data.ms (-1)



m/z-->

#3

Chloromethane

Concen: Below Cal

RT: 2.209 min Scan# 49

Delta R.T. -0.000 min

Lab File: VD070196.D

Acq: 20 Aug 2021 12:00

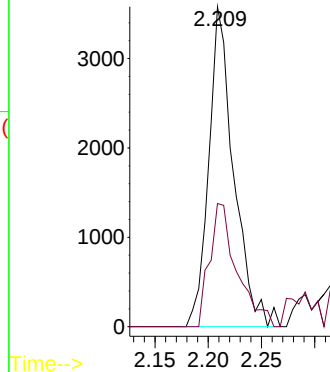
Tgt Ion: 50 Resp: 5838

Ion Ratio Lower Upper

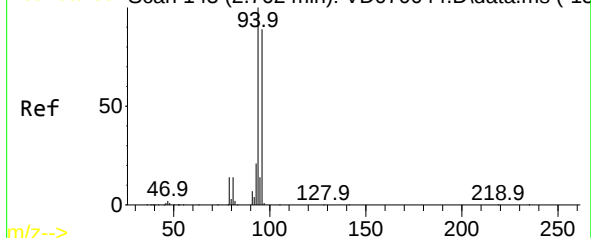
50 100

52 38.5 26.3 39.5

Abundance

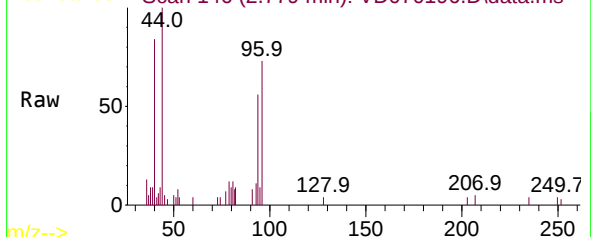


Abundance Scan 143 (2.762 min): VD070044.D\data.ms (-13)



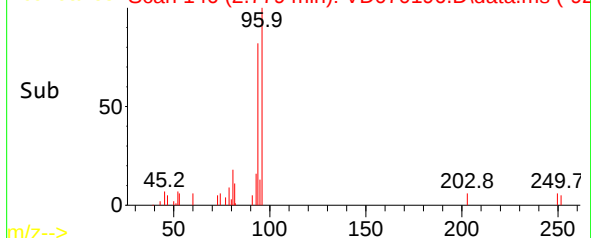
m/z-->

Abundance Scan 146 (2.779 min): VD070196.D\data.ms



m/z-->

Abundance Scan 146 (2.779 min): VD070196.D\data.ms (-92)



m/z-->

#5

Bromomethane

Concen: Below Cal

RT: 2.779 min Scan# 146

Delta R.T. 0.017 min

Lab File: VD070196.D

Acq: 20 Aug 2021 12:00

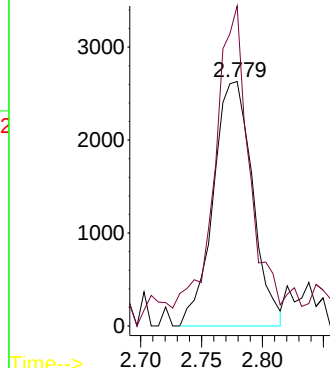
Tgt Ion: 94 Resp: 5918

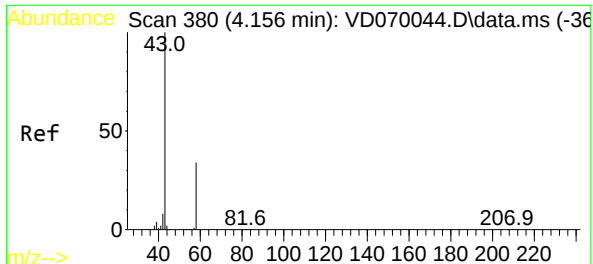
Ion Ratio Lower Upper

94 100

96 122.3 70.9 106.3#

Abundance

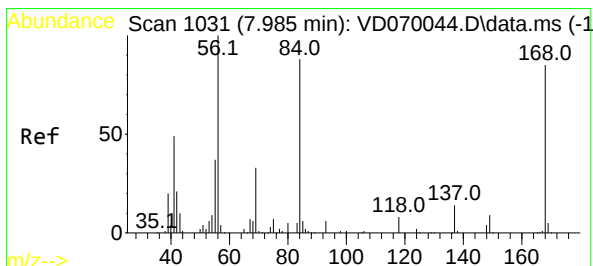
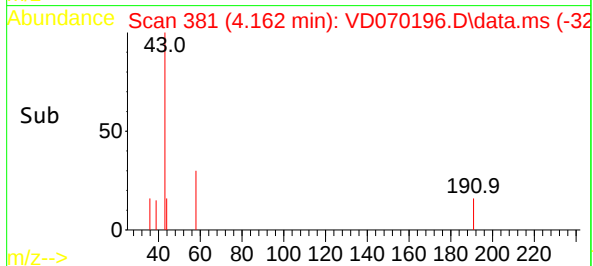
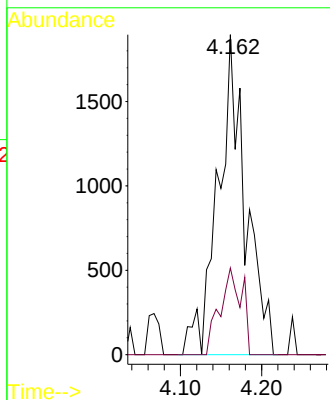
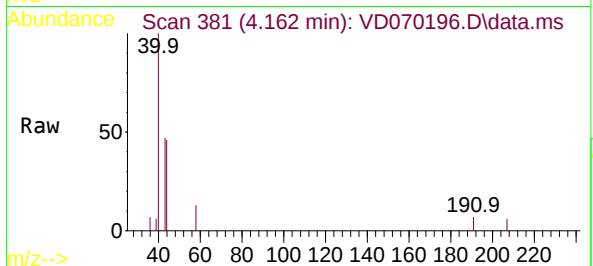




#16
Acetone
Concen: 3.561 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070196.D
Acq: 20 Aug 2021 12:00

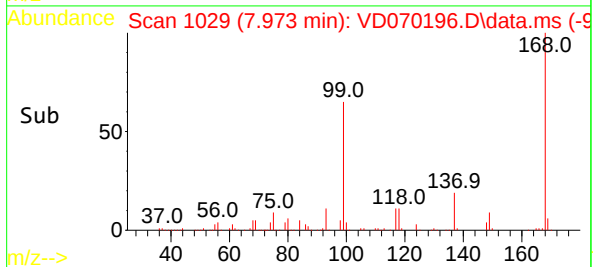
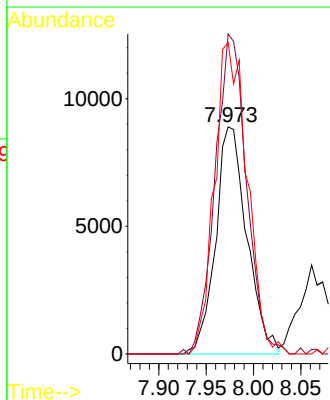
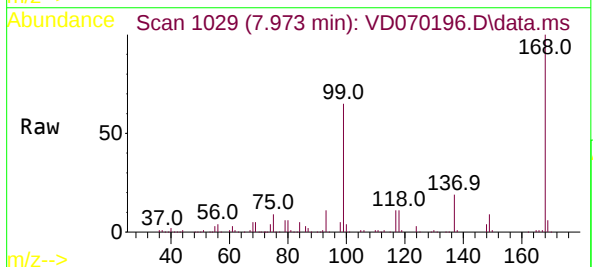
Instrument :
MSVOA_D
ClientSampled :

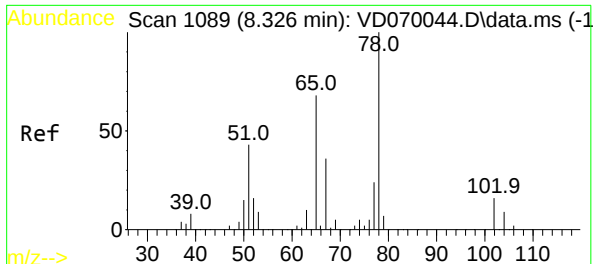
Tgt Ion: 43 Resp: 4474
Ion Ratio Lower Upper
43 100
58 27.1 26.8 40.2



#31
Cyclohexane
Concen: 1.513 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070196.D
Acq: 20 Aug 2021 12:00

Tgt Ion: 56 Resp: 20429
Ion Ratio Lower Upper
56 100
69 141.0 26.7 40.1#
84 137.2 70.4 105.6#

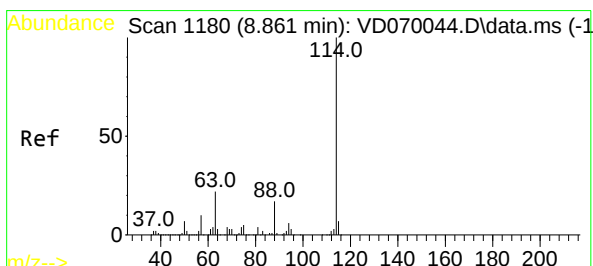
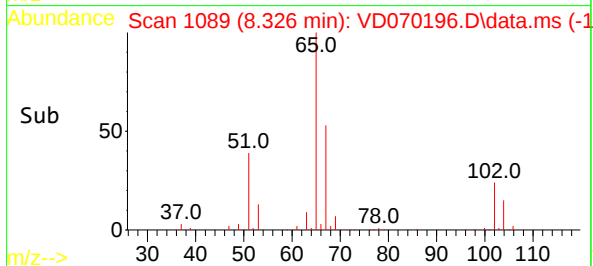
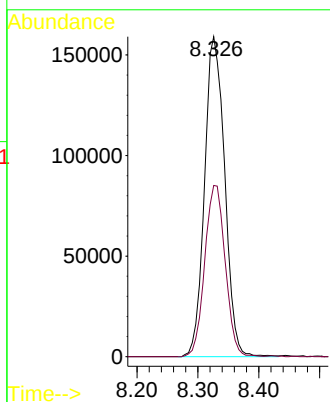
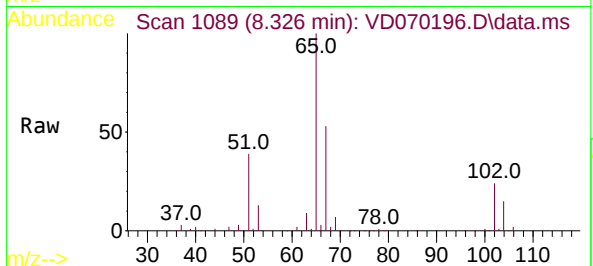




#33
1,2-Dichloroethane-d4
Concen: 53.730 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070196.D
Acq: 20 Aug 2021 12:00

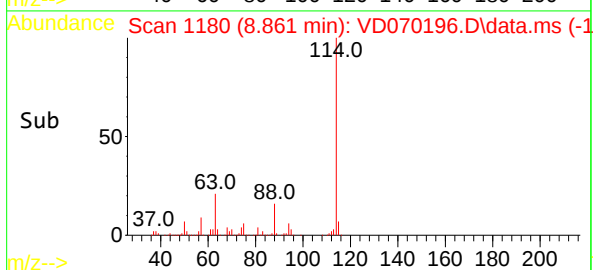
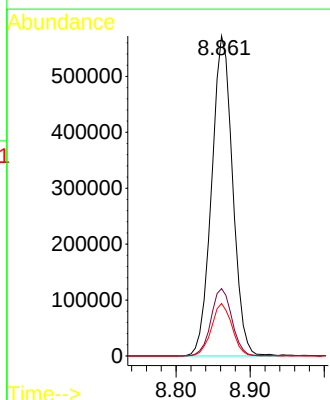
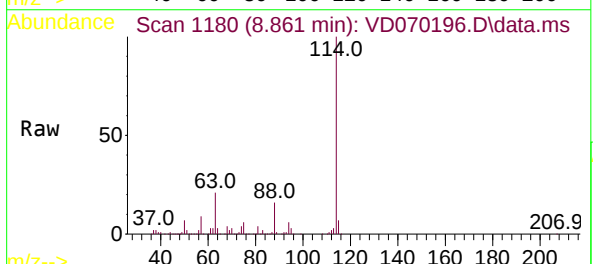
Instrument :
MSVOA_D
ClientSampleId :

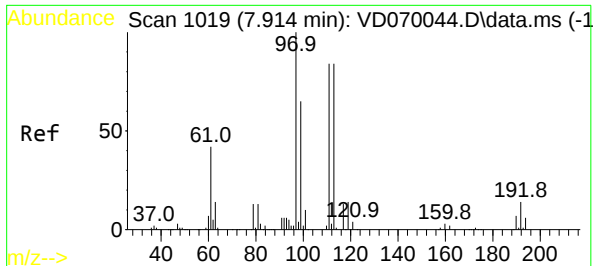
Tgt Ion: 65 Resp: 366485
Ion Ratio Lower Upper
65 100
67 54.3 0.0 107.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070196.D
Acq: 20 Aug 2021 12:00

Tgt Ion: 114 Resp: 1124071
Ion Ratio Lower Upper
114 100
63 21.0 0.0 43.6
88 16.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.265 ug/l

RT: 7.914 min Scan# 1019

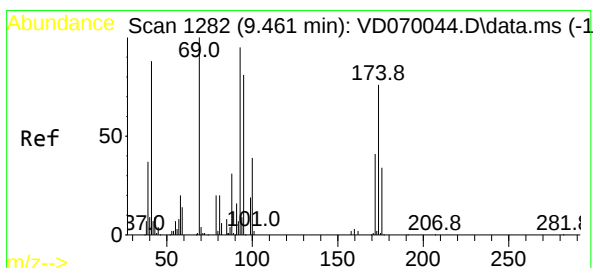
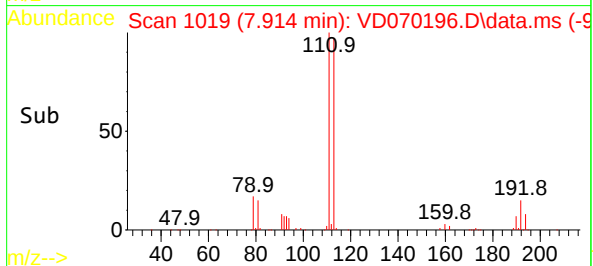
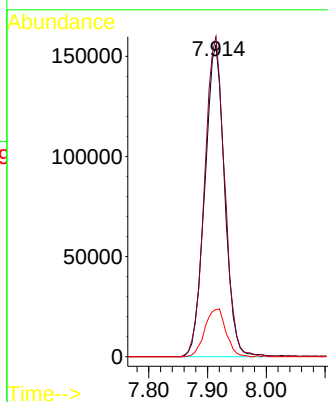
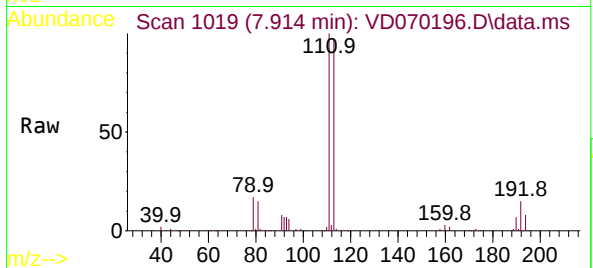
Delta R.T. -0.000 min

Lab File: VD070196.D

Acq: 20 Aug 2021 12:00

Tgt Ion:	113	Resp:	365038
Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.8	122.6
192	16.2	13.2	19.8

Instrument :
MSVOA_D
ClientSampleId :



#49

1,4-Dioxane

Concen: 1.516 ug/l

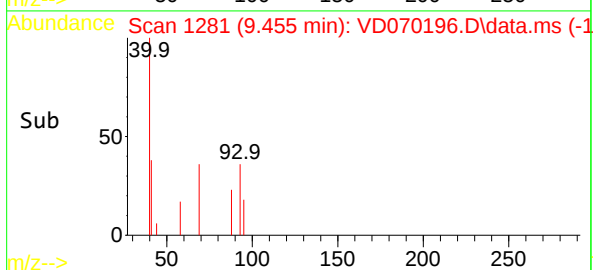
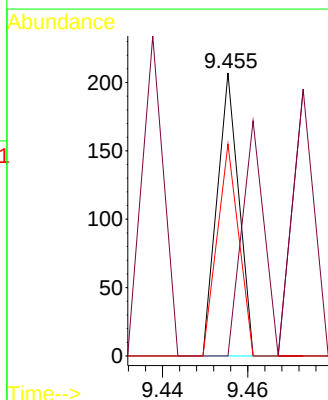
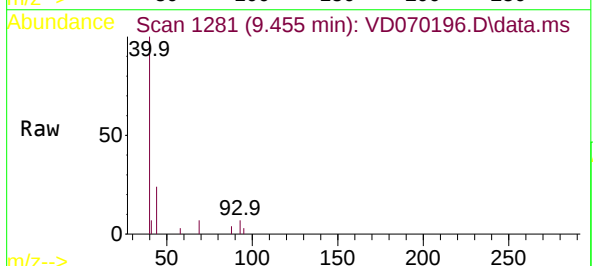
RT: 9.455 min Scan# 1281

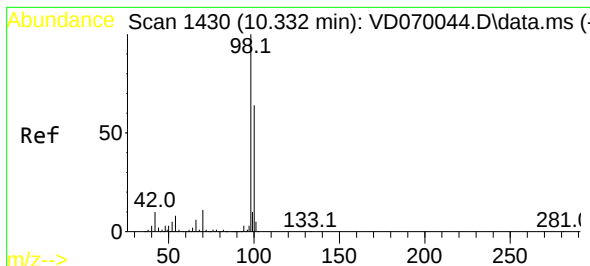
Delta R.T. -0.006 min

Lab File: VD070196.D

Acq: 20 Aug 2021 12:00

Tgt Ion:	88	Resp:	73
Ion	Ratio	Lower	Upper
88	100		
43	83.6	25.8	38.6#
58	75.3	57.4	86.2

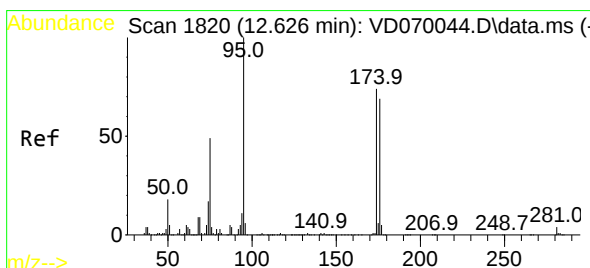
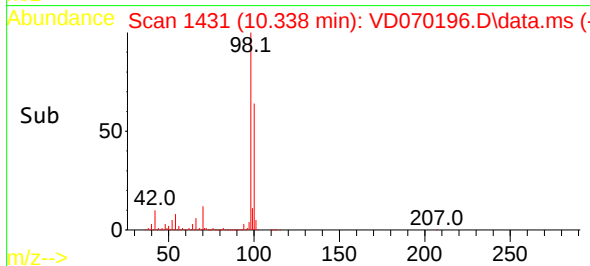
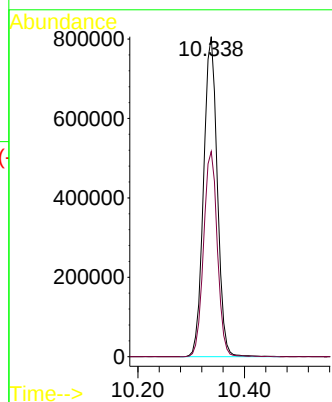
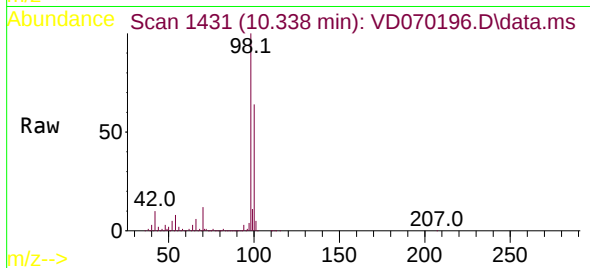




#50
Toluene-d8
Concen: 50.910 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070196.D
Acq: 20 Aug 2021 12:00

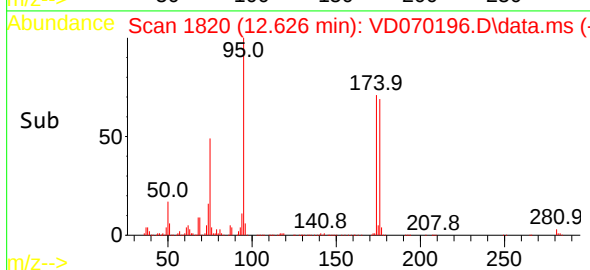
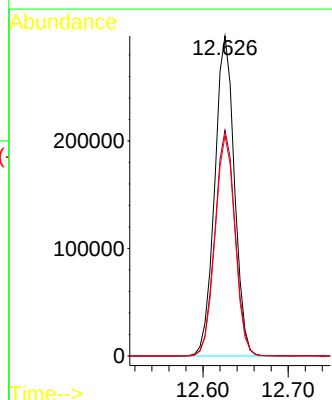
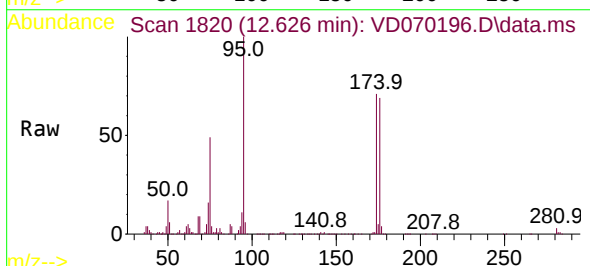
Instrument :
MSVOA_D
ClientSampleId :

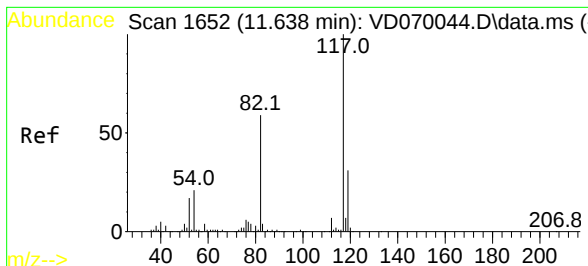
Tgt Ion: 98 Resp: 1438017
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 51.370 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070196.D
Acq: 20 Aug 2021 12:00

Tgt Ion: 95 Resp: 477925
Ion Ratio Lower Upper
95 100
174 72.5 0.0 141.6
176 69.4 0.0 138.2

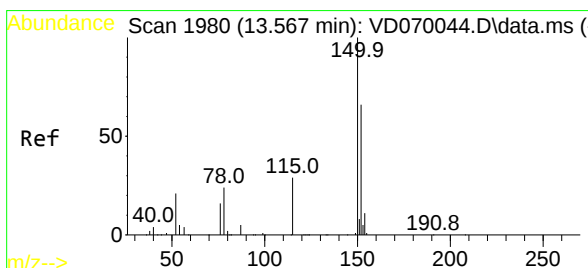
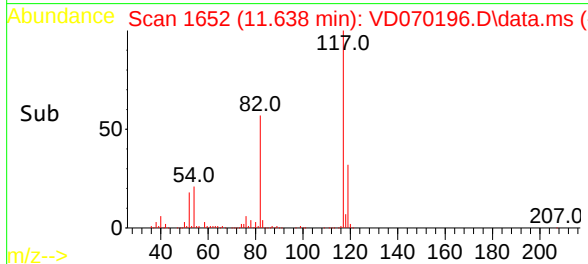
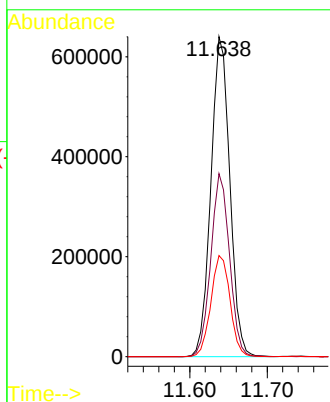
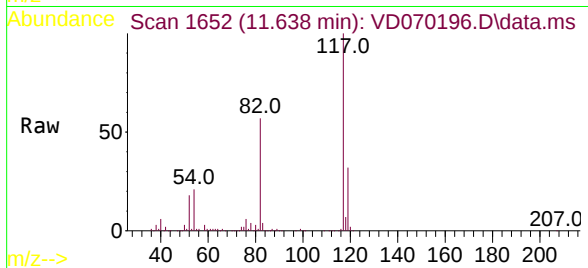




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070196.D
Acq: 20 Aug 2021 12:00

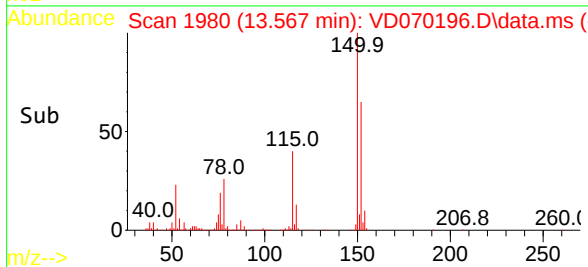
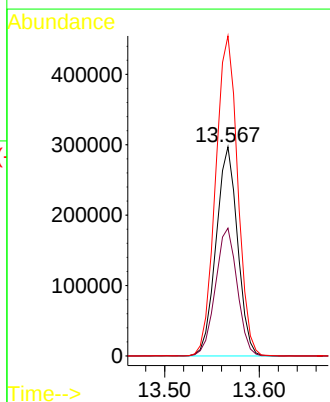
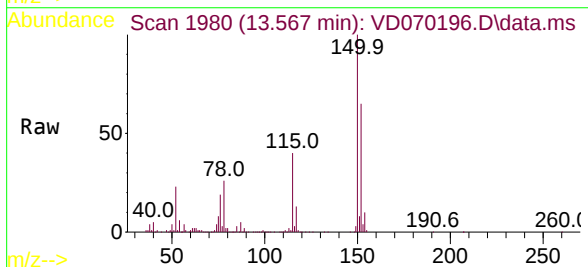
Instrument :
MSVOA_D
ClientSampleId :

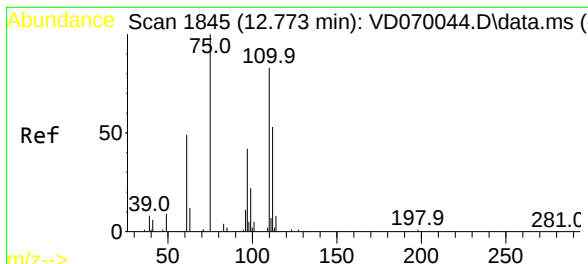
Tgt Ion:117 Resp: 1086177
Ion Ratio Lower Upper
117 100
82 57.2 47.5 71.3
119 31.6 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070196.D
Acq: 20 Aug 2021 12:00

Tgt Ion:152 Resp: 468601
Ion Ratio Lower Upper
152 100
115 62.0 31.2 93.6
150 157.6 0.0 352.0

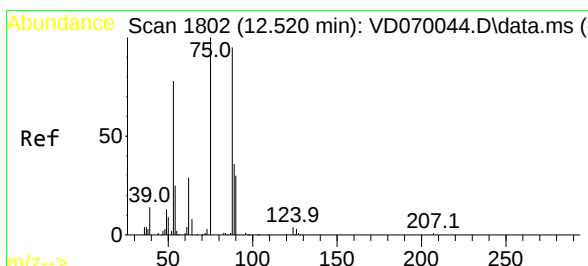
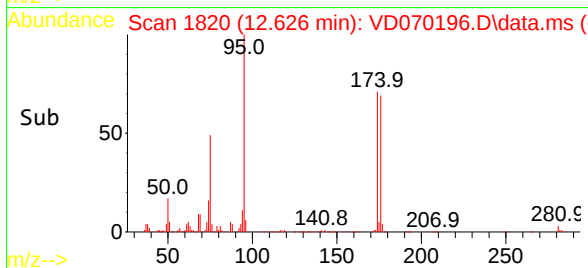
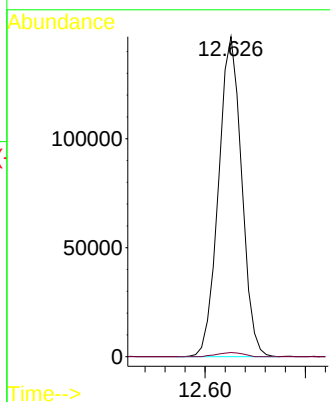
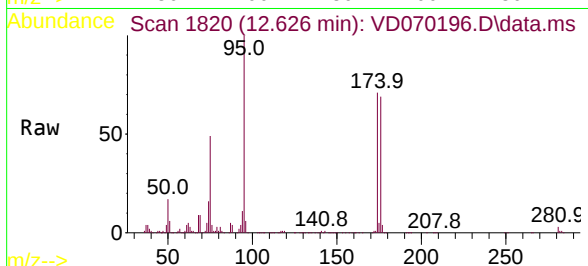




#76
1,2,3-Trichloropropane
Concen: 49.450 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070196.D
Acq: 20 Aug 2021 12:00

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 234997
Ion Ratio Lower Upper
75 100
77 1.5 182.4 547.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.353 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070196.D
Acq: 20 Aug 2021 12:00

Tgt Ion: 75 Resp: 234997
Ion Ratio Lower Upper
75 100
53 0.4 64.5 96.7#
89 0.0 33.7 50.5#

