

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091421\
 Data File : VD070353.D
 Acq On : 14 Sep 2021 15:09
 Operator : VA/SY
 Sample : M3723-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BU-03-091321

Quant Time: Sep 15 02:46:22 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)

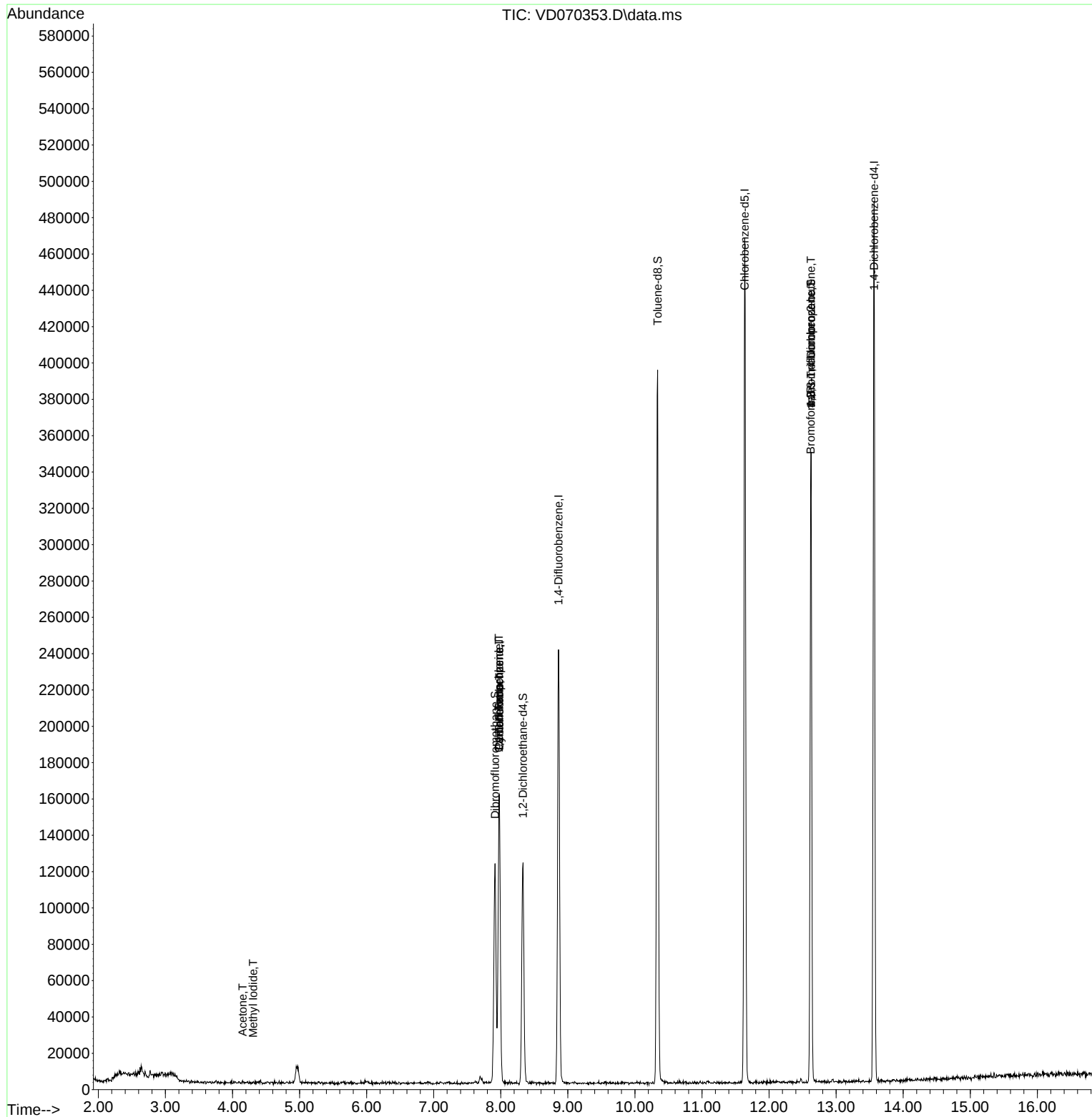
Internal Standards						
1) Pentafluorobenzene	7.979	168	112001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	205757	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	275931	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	129800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	96682	67.228	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.460%			
35) Dibromofluoromethane	7.914	113	88980	60.754	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 121.500%			
50) Toluene-d8	10.338	98	281640	52.963	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.920%			
62) 4-Bromofluorobenzene	12.626	95	121680	65.474	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 130.940%			
Target Compounds						
3) Chloromethane	2.203	50	515	Below Cal	#	42
5) Bromomethane	2.785	94	1573	Below Cal		94
6) Chloroethane	2.914	64	91	Below Cal	#	1
10) Methyl Iodide	4.309	142	407	1.317	ug/l #	39
16) Acetone	4.150	43	487	1.897	ug/l	100
18) Methyl Acetate	4.756	43	55	Below Cal	#	48
20) Methylene Chloride	4.950	84	3911	Below Cal		93
31) Cyclohexane	7.979	56	2844	1.148	ug/l #	2
36) 1,1-Dichloropropene	7.973	75	10131	4.607	ug/l #	48
38) Carbon Tetrachloride	7.973	117	12494	5.744	ug/l #	18
71) Bromoform	12.620	173	1282	1.239	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	58294	44.399	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	58294	111.247	ug/l #	17

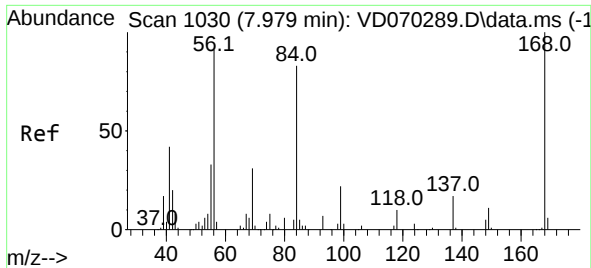
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 09 03:07:09 2021
Response via : Initial Calibration

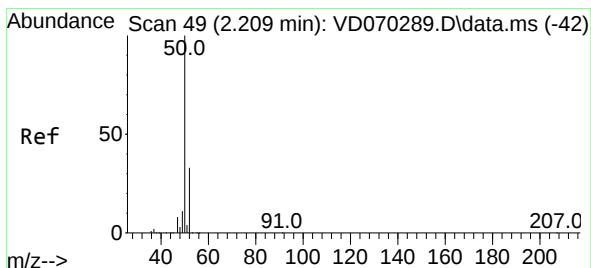
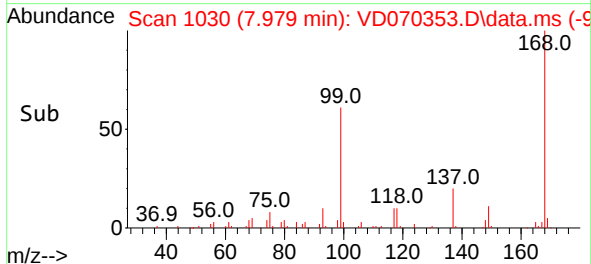
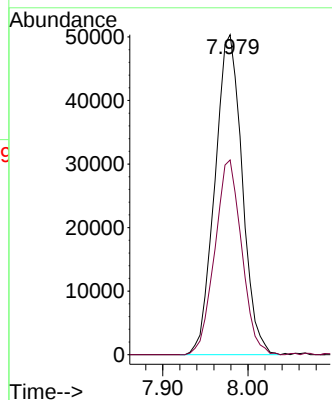
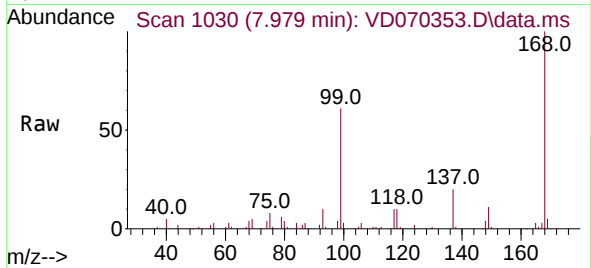




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070353.D
Acq: 14 Sep 2021 15:09

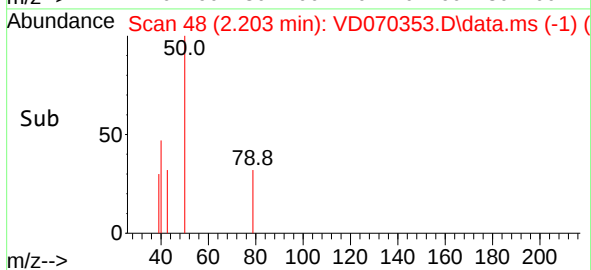
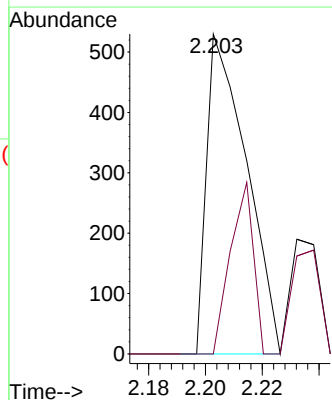
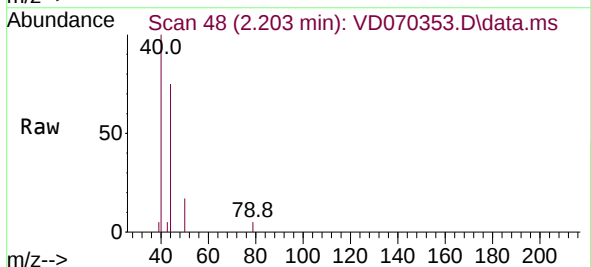
Instrument :
MSVOA_D
ClientSampleId :
BU-03-091321

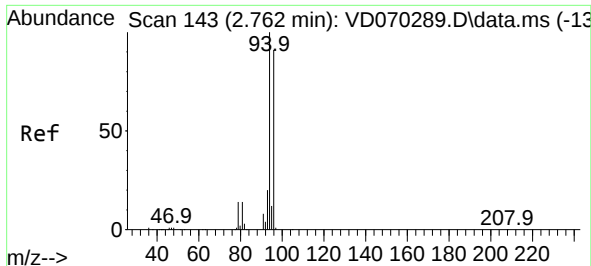
Tgt Ion:168 Resp: 112001
Ion Ratio Lower Upper
168 100
99 60.9 50.8 76.2



#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070353.D
Acq: 14 Sep 2021 15:09

Tgt Ion: 50 Resp: 515
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#

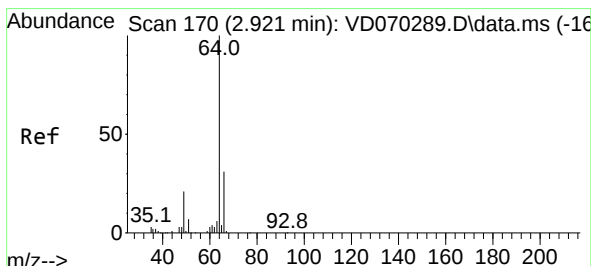
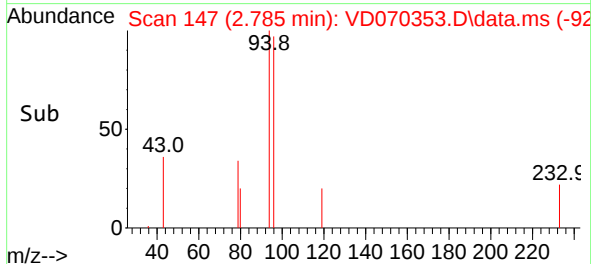
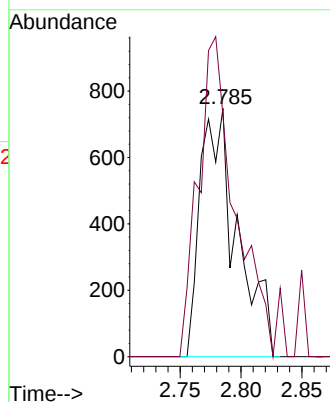
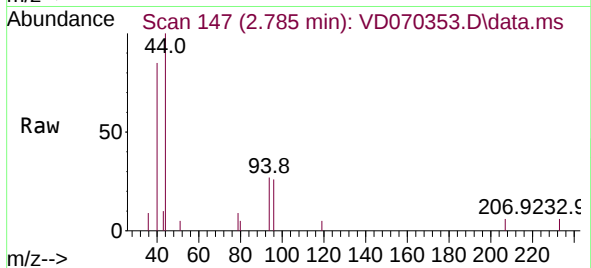




#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070353.D
Acq: 14 Sep 2021 15:09

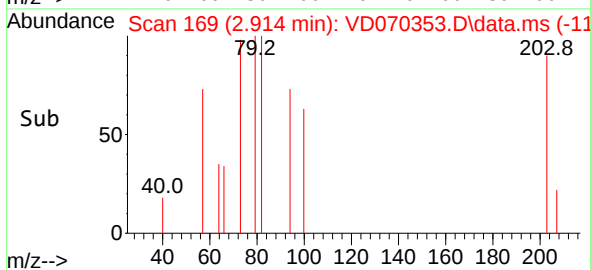
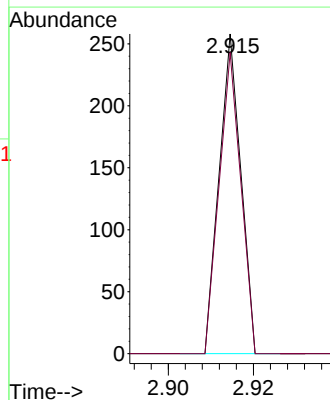
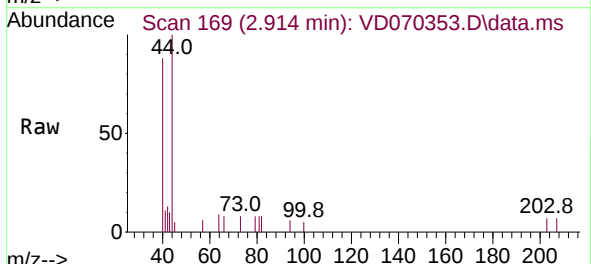
Instrument :
MSVOA_D
ClientSampleId :
BU-03-091321

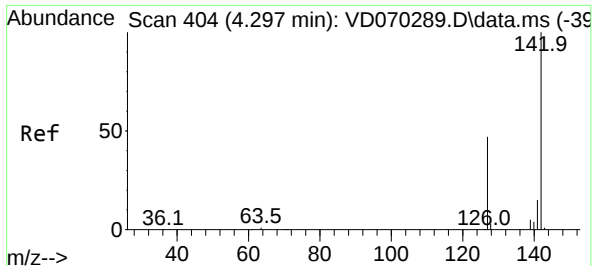
Tgt Ion: 94 Resp: 1573
Ion Ratio Lower Upper
94 100
96 97.3 73.0 109.6



#6
Chloroethane
Concen: Below Cal
RT: 2.914 min Scan# 169
Delta R.T. -0.006 min
Lab File: VD070353.D
Acq: 14 Sep 2021 15:09

Tgt Ion: 64 Resp: 91
Ion Ratio Lower Upper
64 100
66 94.2 25.0 37.4#

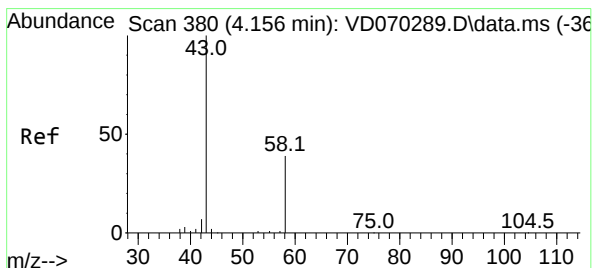
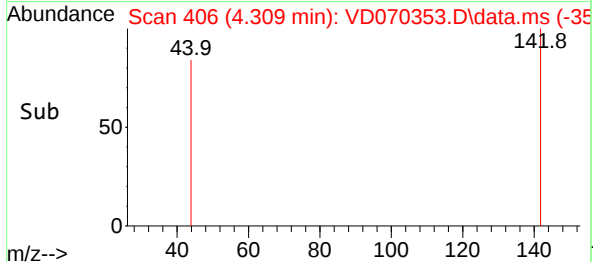
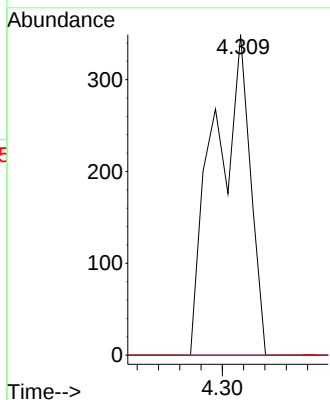
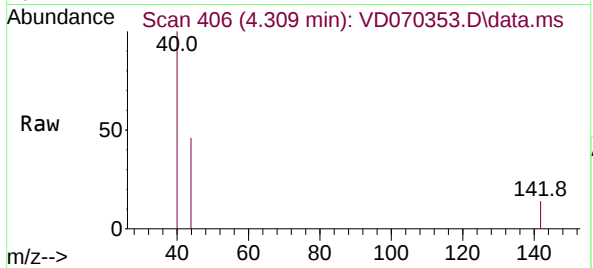




#10
Methyl Iodide
Concen: 1.317 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD070353.D
Acq: 14 Sep 2021 15:09

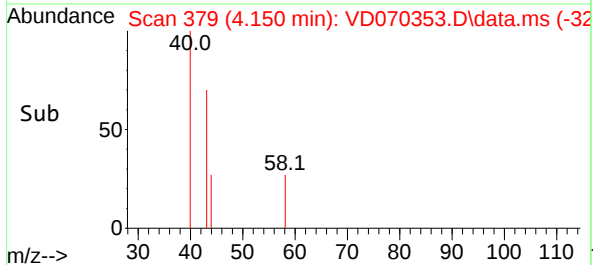
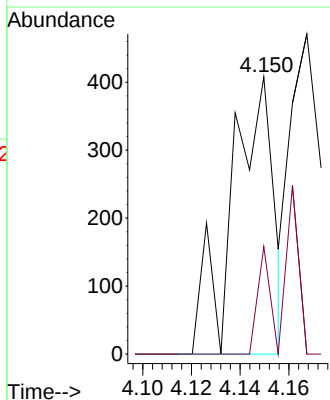
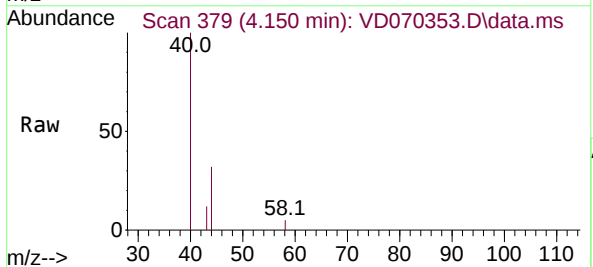
Instrument :
MSVOA_D
ClientSampleId :
BU-03-091321

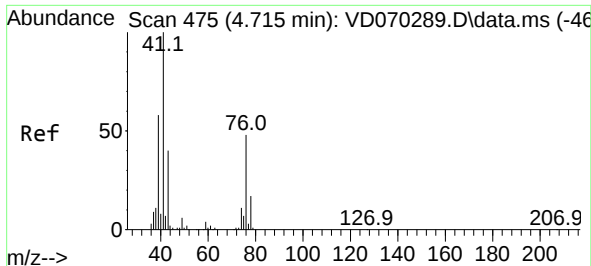
Tgt Ion:142 Resp: 407
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#



#16
Acetone
Concen: 1.897 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070353.D
Acq: 14 Sep 2021 15:09

Tgt Ion: 43 Resp: 487
Ion Ratio Lower Upper
43 100
58 38.7 30.9 46.3





#18

Methyl Acetate

Concen: Below Cal

RT: 4.756 min Scan# 482

Delta R.T. 0.041 min

Lab File: VD070353.D

Acq: 14 Sep 2021 15:09

Instrument :

MSVOA_D

ClientSampleId :

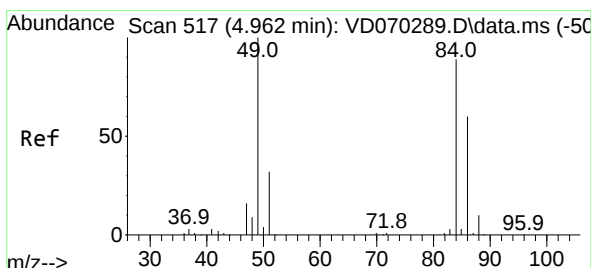
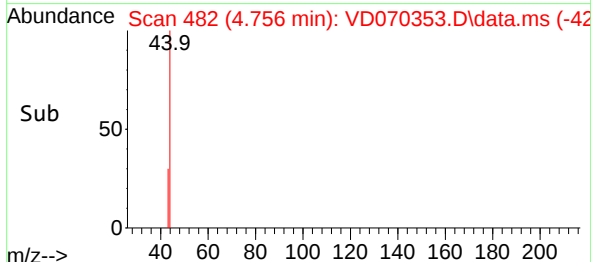
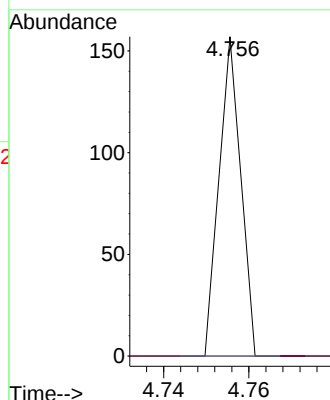
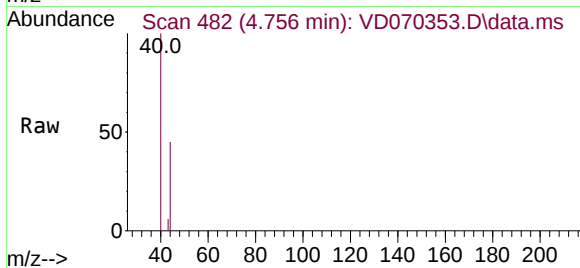
BU-03-091321

Tgt Ion: 43 Resp: 55

Ion Ratio Lower Upper

43 100

74 0.0 21.6 32.4#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.950 min Scan# 515

Delta R.T. -0.012 min

Lab File: VD070353.D

Acq: 14 Sep 2021 15:09

Tgt Ion: 84 Resp: 3911

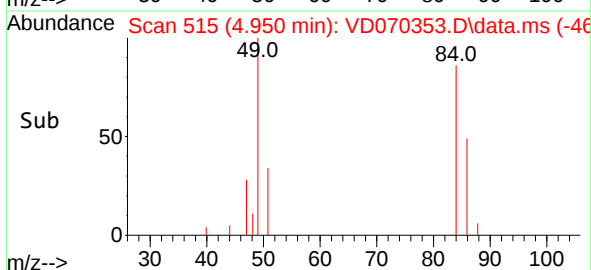
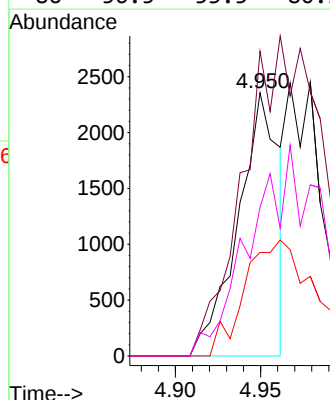
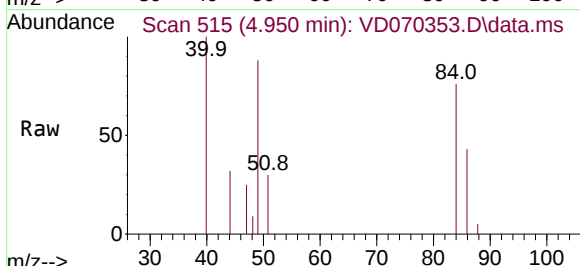
Ion Ratio Lower Upper

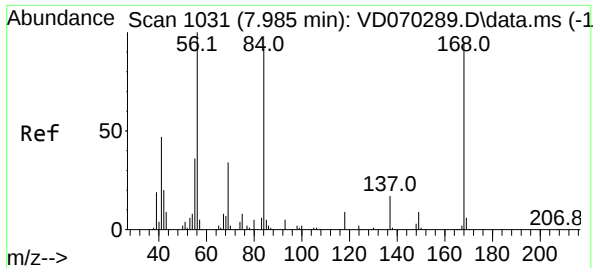
84 100

49 115.7 89.6 134.4

51 39.3 28.6 43.0

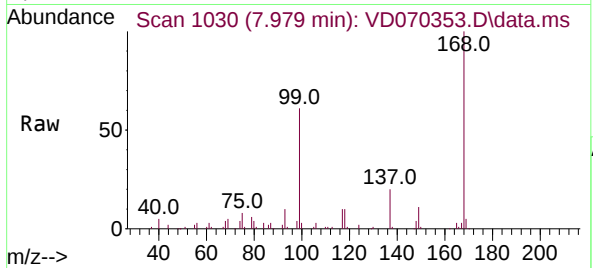
86 56.5 53.5 80.3



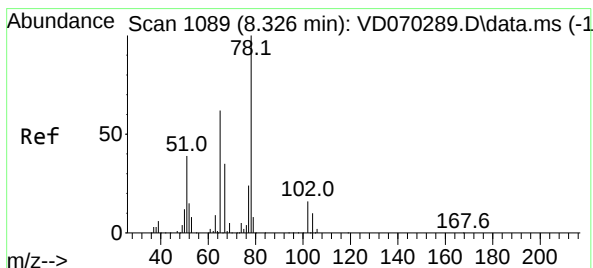
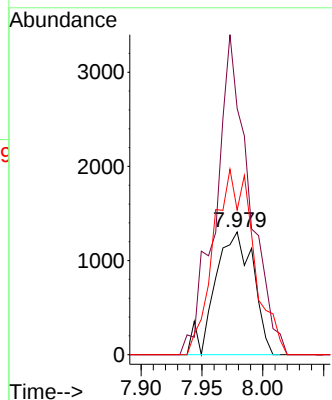
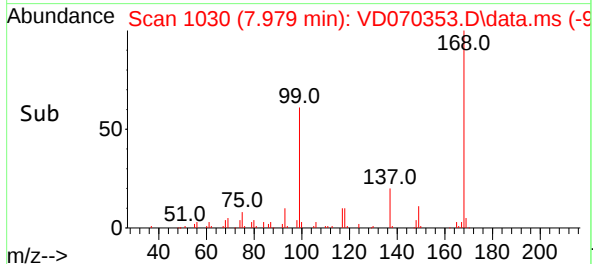


#31
Cyclohexane
Concen: 1.148 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070353.D
Acq: 14 Sep 2021 15:09

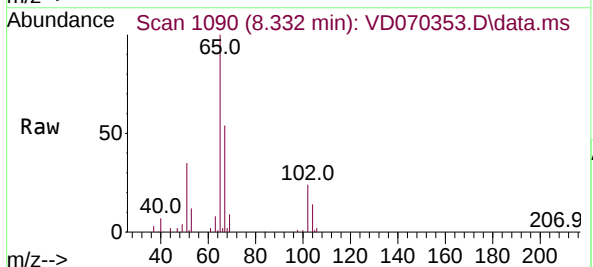
Instrument :
MSVOA_D
ClientSampleId :
BU-03-091321



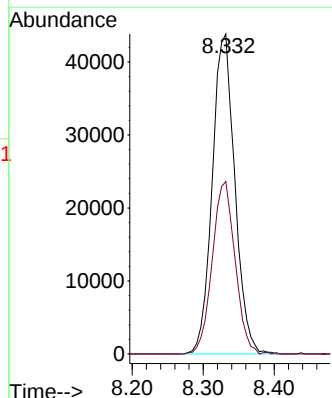
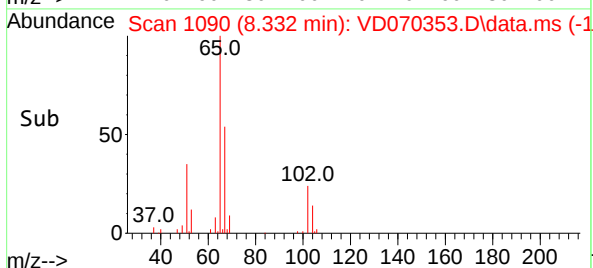
Tgt Ion: 56 Resp: 2844
Ion Ratio Lower Upper
56 100
69 200.6 26.9 40.3#
84 117.9 73.6 110.4#

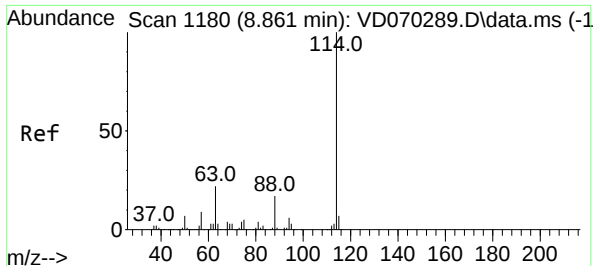


#33
1,2-Dichloroethane-d4
Concen: 67.228 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070353.D
Acq: 14 Sep 2021 15:09



Tgt Ion: 65 Resp: 96682
Ion Ratio Lower Upper
65 100
67 54.4 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: VD070353.D

Acq: 14 Sep 2021 15:09

Tgt Ion:114 Resp: 205757

Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.4

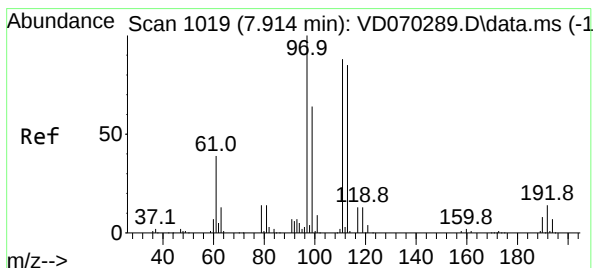
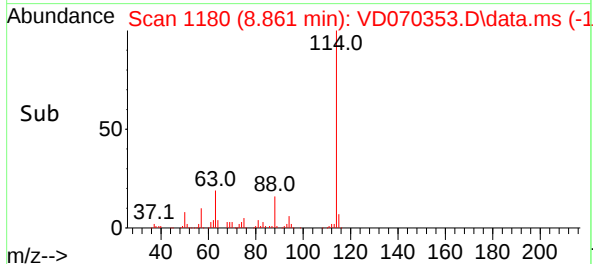
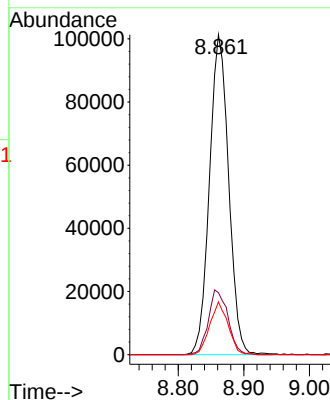
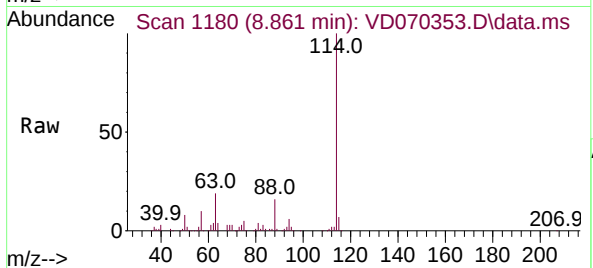
88 16.5 0.0 33.4

Instrument :

MSVOA_D

ClientSampleId :

BU-03-091321



#35

Dibromofluoromethane

Concen: 60.754 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070353.D

Acq: 14 Sep 2021 15:09

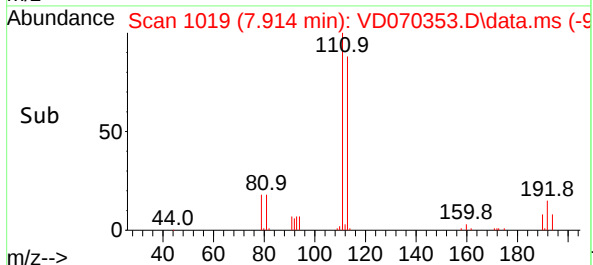
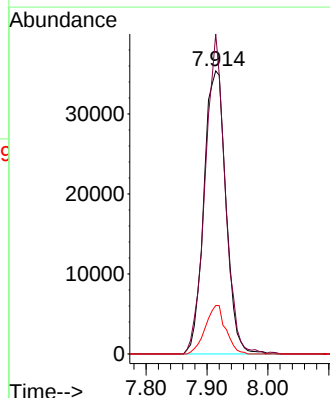
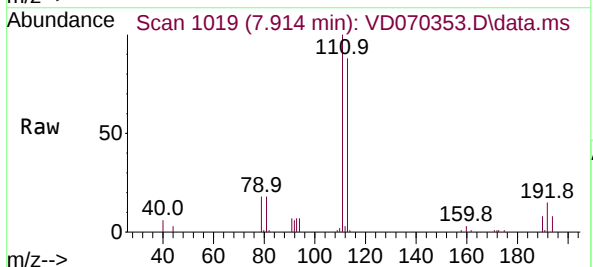
Tgt Ion:113 Resp: 88980

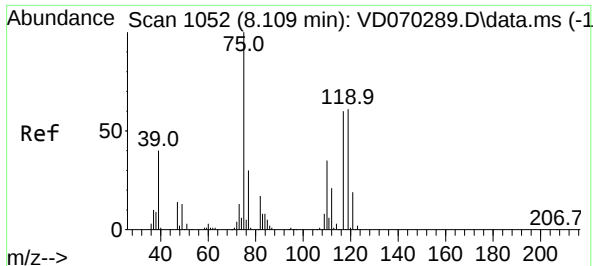
Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.2

192 15.8 13.0 19.6



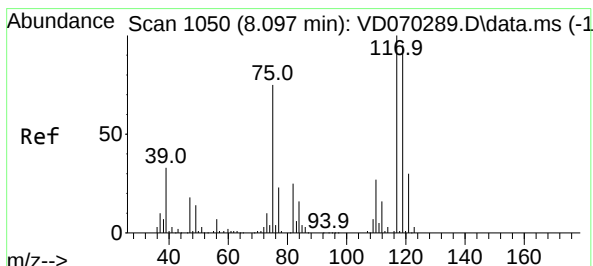
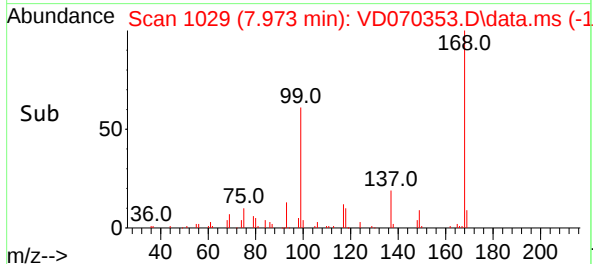
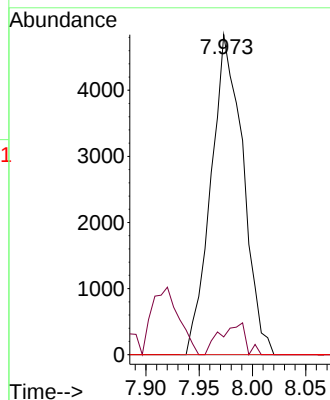
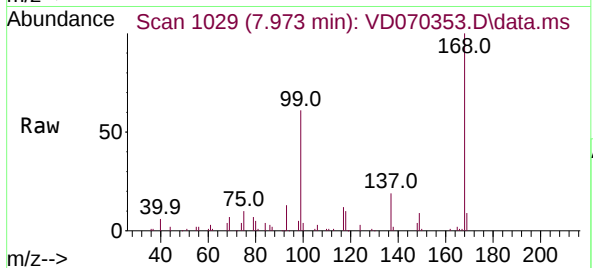


#36

1,1-Dichloropropene
Concen: 4.607 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070353.D
Acq: 14 Sep 2021 15:09

Instrument :
MSVOA_D
ClientSampleId :
BU-03-091321

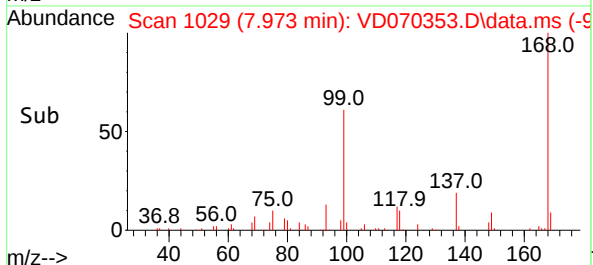
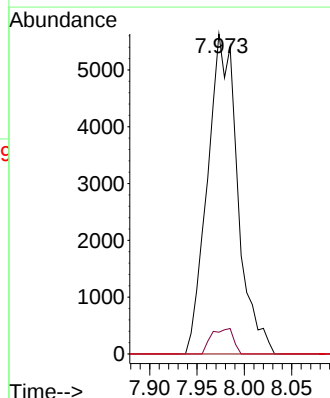
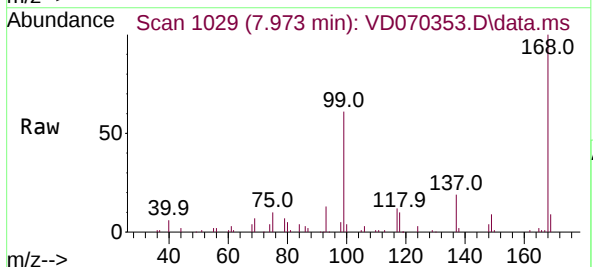
Tgt Ion: 75 Resp: 10131
Ion Ratio Lower Upper
75 100
110 7.9 17.9 53.7#
77 0.0 25.3 37.9#

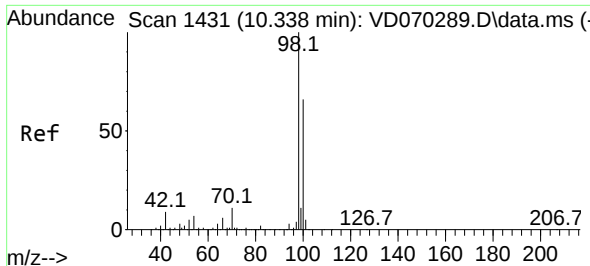


#38

Carbon Tetrachloride
Concen: 5.744 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070353.D
Acq: 14 Sep 2021 15:09

Tgt Ion: 117 Resp: 12494
Ion Ratio Lower Upper
117 100
119 6.8 76.1 114.1#
121 0.0 23.8 35.6#

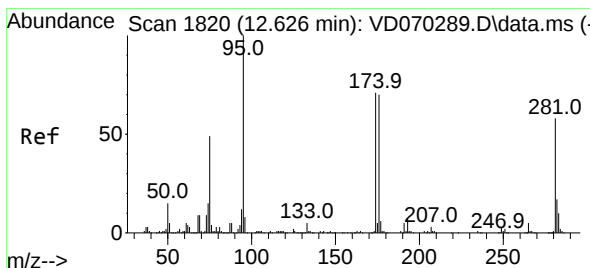
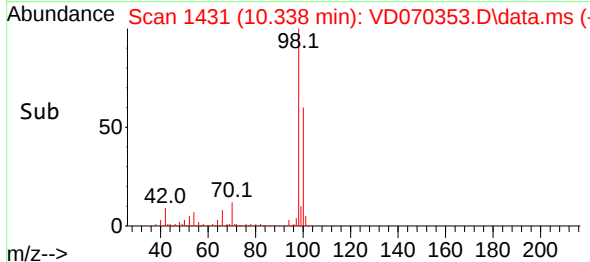
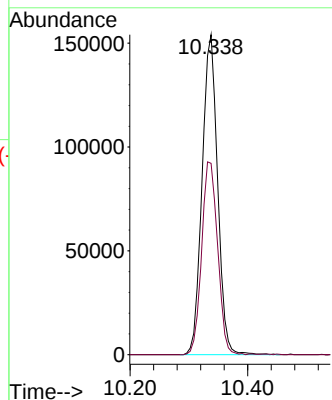
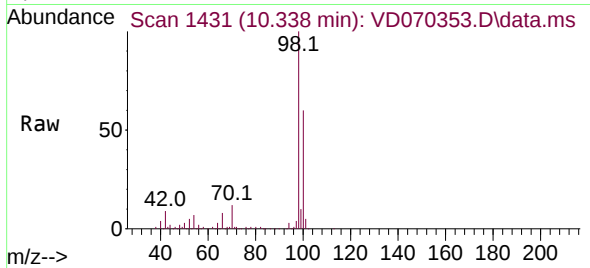




#50
Toluene-d8
Concen: 52.963 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070353.D
Acq: 14 Sep 2021 15:09

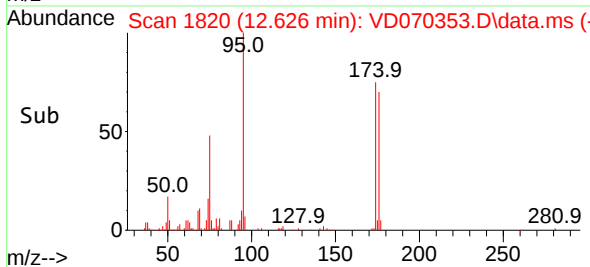
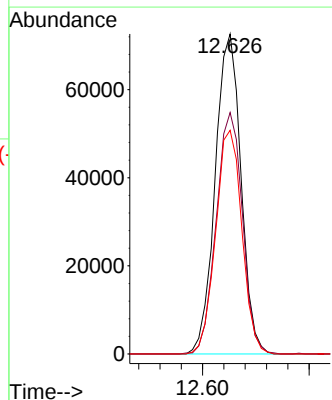
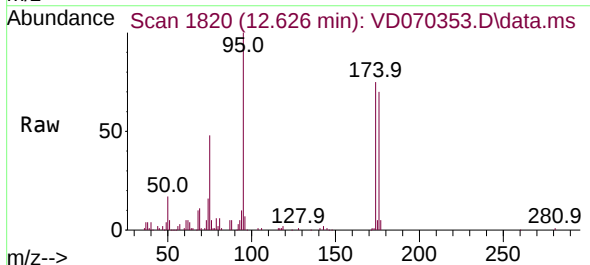
Instrument :
MSVOA_D
ClientSampleId :
BU-03-091321

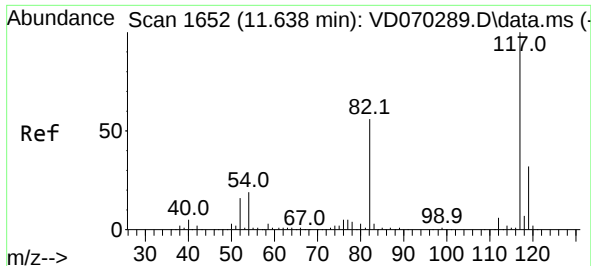
Tgt Ion: 98 Resp: 281640
Ion Ratio Lower Upper
98 100
100 61.9 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 65.474 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070353.D
Acq: 14 Sep 2021 15:09

Tgt Ion: 95 Resp: 121680
Ion Ratio Lower Upper
95 100
174 76.9 0.0 140.6
176 71.3 0.0 137.4

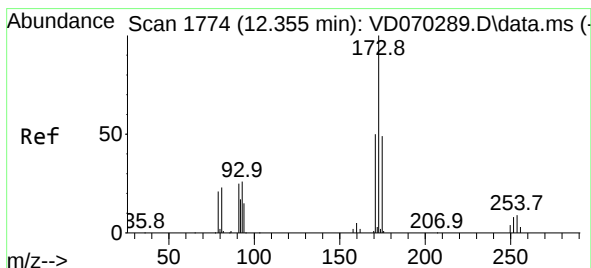
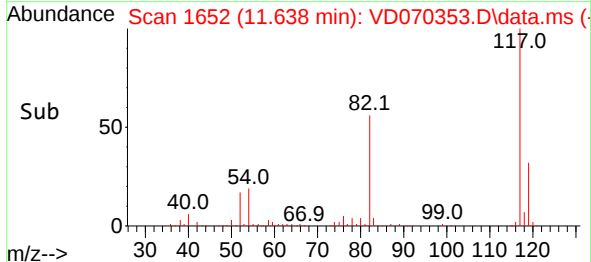
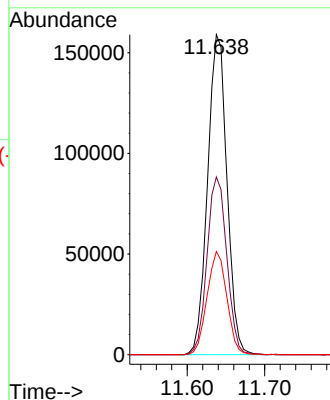
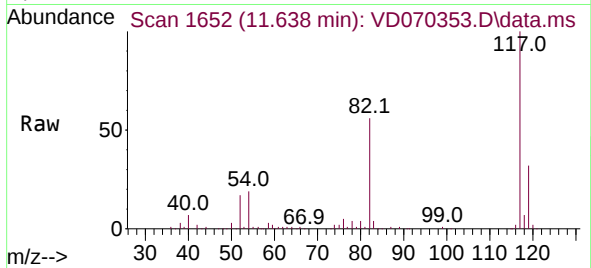




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070353.D
Acq: 14 Sep 2021 15:09

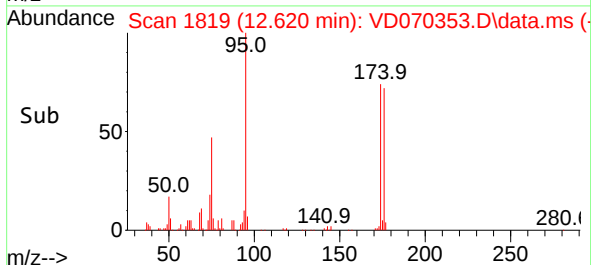
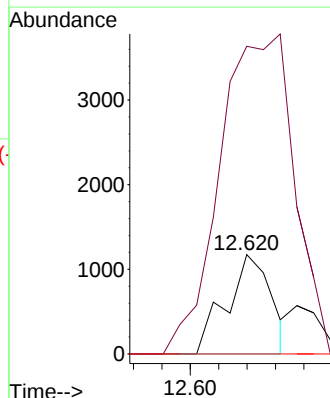
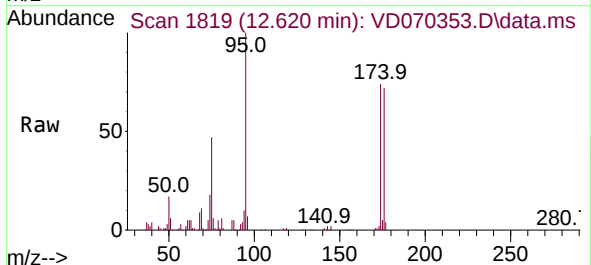
Instrument :
MSVOA_D
ClientSampleId :
BU-03-091321

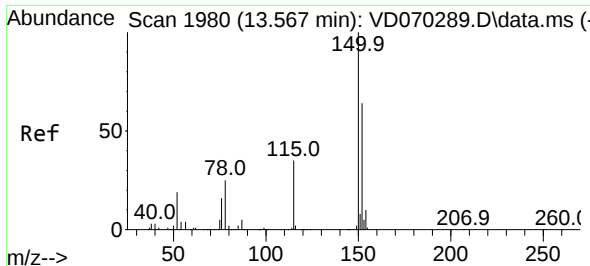
Tgt Ion:	117	Resp:	275931
Ion Ratio	Lower	Upper	
117	100		
82	55.6	45.0	67.4
119	32.3	25.2	37.8



#71
Bromoform
Concen: 1.239 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.264 min
Lab File: VD070353.D
Acq: 14 Sep 2021 15:09

Tgt Ion:	173	Resp:	1282
Ion Ratio	Lower	Upper	
173	100		
175	357.7	25.1	75.2#
254	0.0	0.1	0.1#

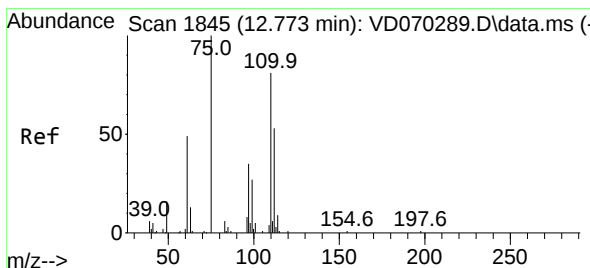
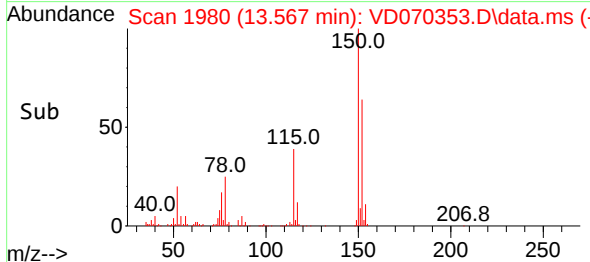
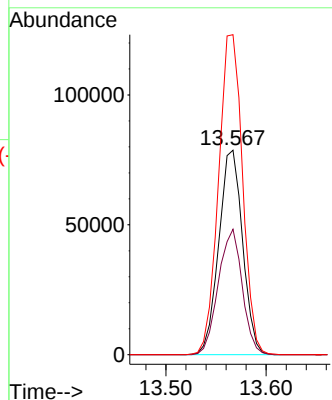
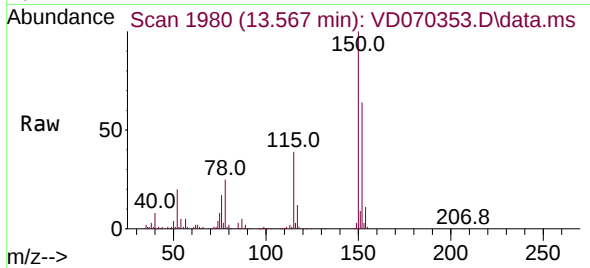




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070353.D
Acq: 14 Sep 2021 15:09

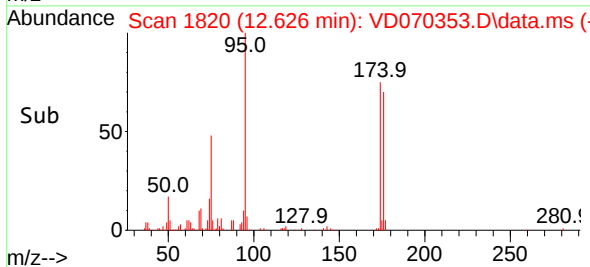
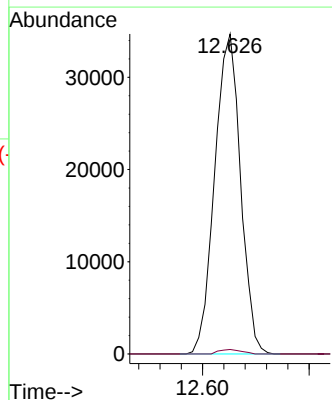
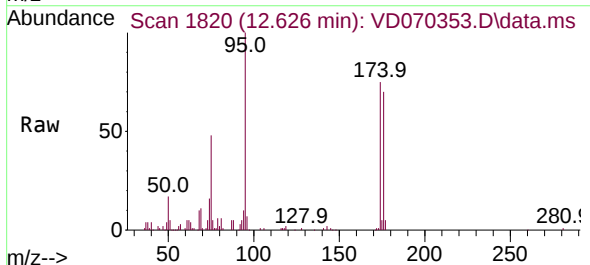
Instrument :
MSVOA_D
ClientSampleId :
BU-03-091321

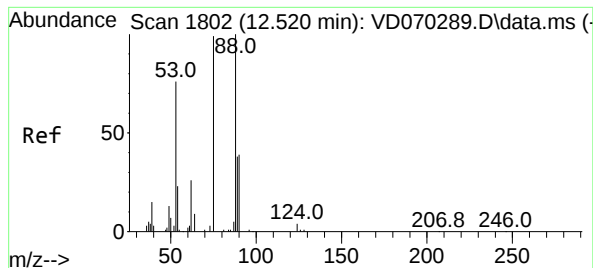
Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.4	32.1	96.3
150	157.9	0.0	350.6



#76
1,2,3-Trichloropropane
Concen: 44.399 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070353.D
Acq: 14 Sep 2021 15:09

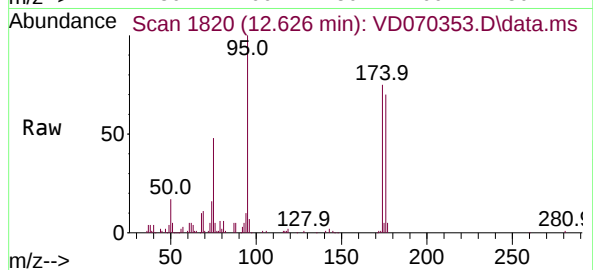
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	174.9	524.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.247 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070353.D
 Acq: 14 Sep 2021 15:09

Instrument :
 MSVOA_D
 ClientSampleId :
 BU-03-091321



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	64.2	96.2#
89	0.1	35.6	53.4#

