

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091321\
 Data File : VD070338.D
 Acq On : 13 Sep 2021 20:45
 Operator : VA/SY
 Sample : M3687-27
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A011145

Quant Time: Sep 14 00:57:17 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	350654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	698924	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	800829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	279986	50.000	ug/l	0.00

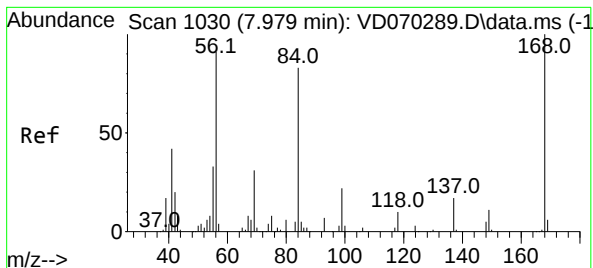
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	229733	51.024	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.040%	
35) Dibromofluoromethane	7.914	113	249835	50.218	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.440%	
50) Toluene-d8	10.338	98	910891	50.428	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.860%	
62) 4-Bromofluorobenzene	12.626	95	341833	54.149	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 108.300%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.985	85	79	Below Cal	#	43
3) Chloromethane	2.215	50	927	Below Cal		95
5) Bromomethane	2.779	94	1173	Below Cal	#	36
6) Chloroethane	2.921	64	62	Below Cal	#	43
10) Methyl Iodide	4.309	142	280	1.092	ug/l #	85
16) Acetone	4.173	43	2988	3.717	ug/l #	87
18) Methyl Acetate	4.756	43	60	Below Cal	#	48
20) Methylene Chloride	4.962	84	5989	Below Cal	#	86
30) Chloroform	7.714	83	16204	1.740	ug/l	90
31) Cyclohexane	7.979	56	8377	1.080	ug/l #	24
32) 1,1,1-Trichloroethane	7.903	97	777905	99.230	ug/l	98
36) 1,1-Dichloropropene	7.973	75	31807	4.258	ug/l #	48
51) 4-Methyl-2-Pentanone	10.344	43	3700	1.384	ug/l #	1
60) Dibromochloromethane	10.873	129	475340	100.383	ug/l #	11
64) Tetrachloroethene	10.873	164	473415	97.095	ug/l	98
76) 1,2,3-Trichloropropane	12.626	75	169586	59.880	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	169586	150.035	ug/l #	17

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

Quant Time: Sep 14 00:57:17 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD070338.D

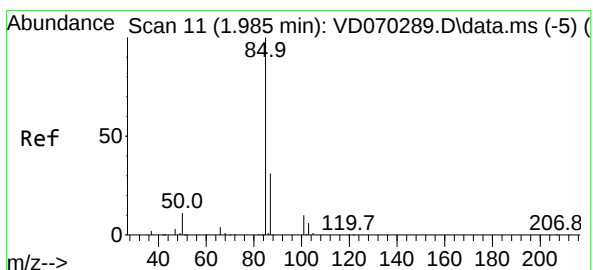
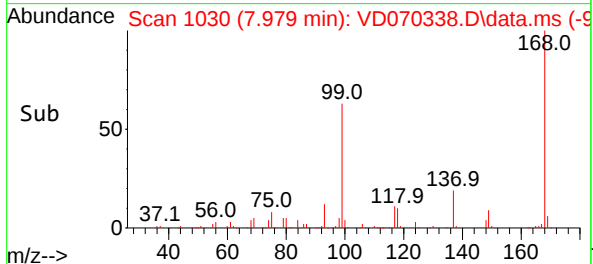
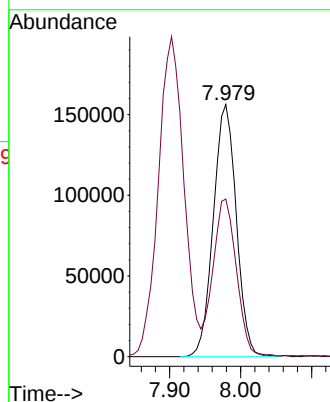
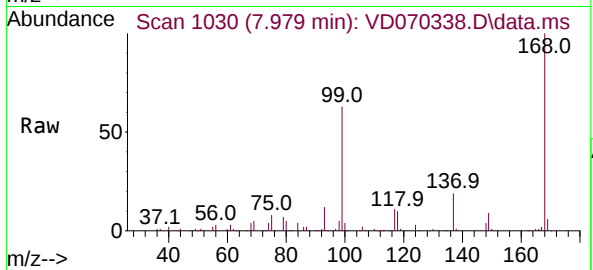
Acq: 13 Sep 2021 20:45

Tgt Ion:168 Resp: 350654

Ion Ratio Lower Upper

168 100

99 62.2 50.8 76.2



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.985 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD070338.D

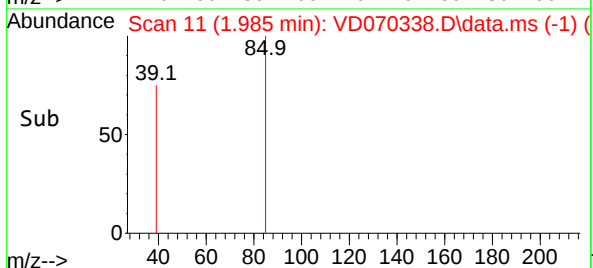
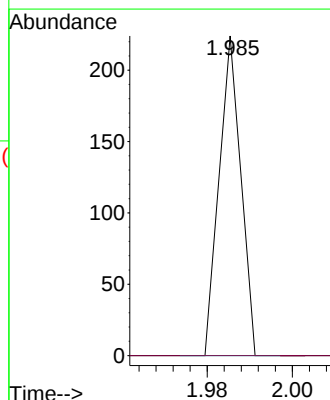
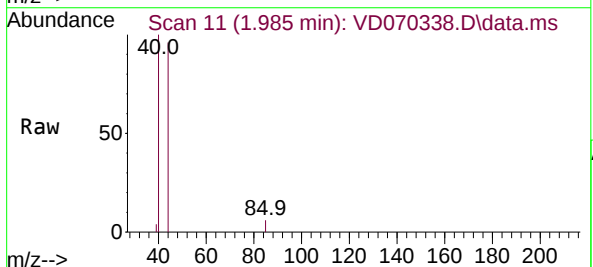
Acq: 13 Sep 2021 20:45

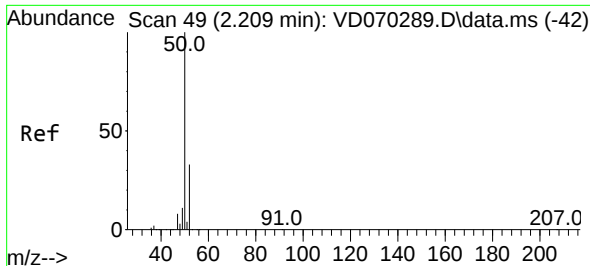
Tgt Ion: 85 Resp: 79

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#

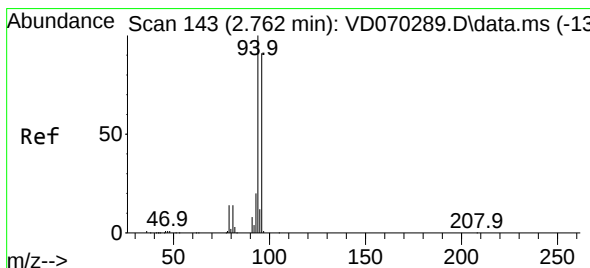
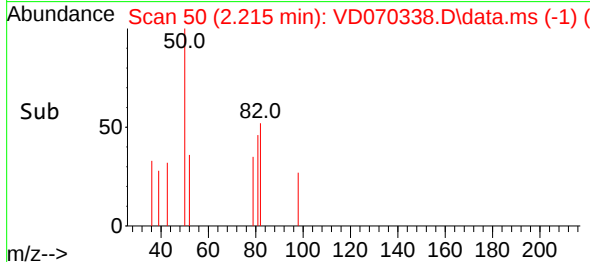
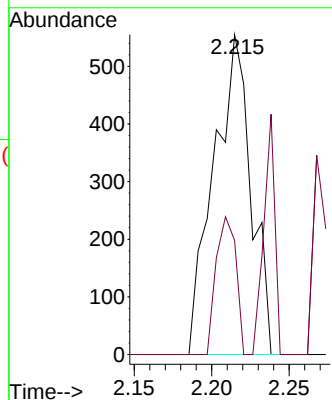
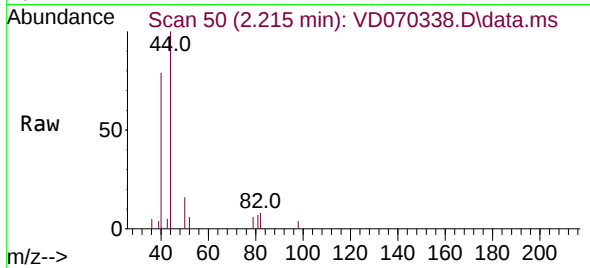




#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070338.D
Acq: 13 Sep 2021 20:45

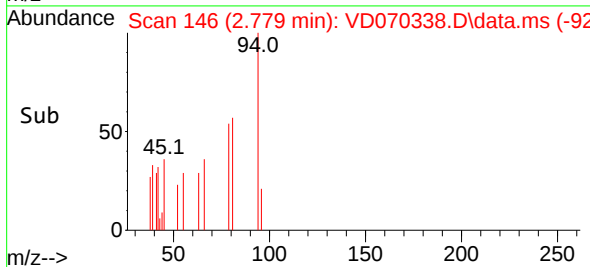
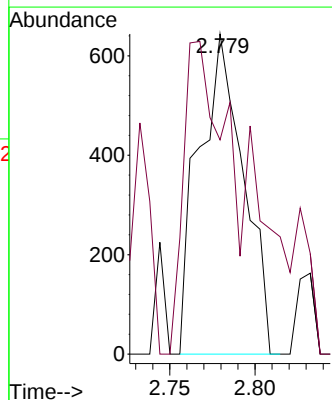
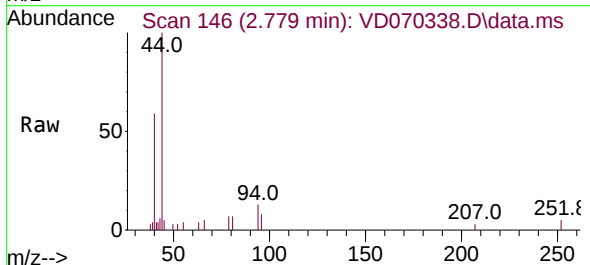
Instrument :
MSVOA_D
ClientSampled :
A011145

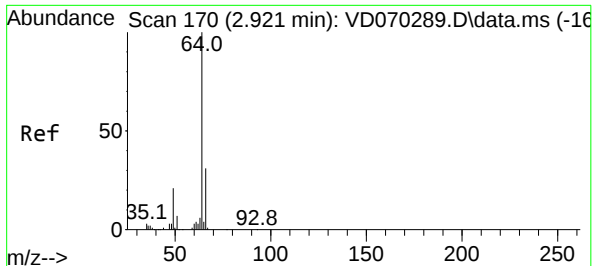
Tgt Ion: 50 Resp: 927
Ion Ratio Lower Upper
50 100
52 35.7 26.2 39.2



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070338.D
Acq: 13 Sep 2021 20:45

Tgt Ion: 94 Resp: 1173
Ion Ratio Lower Upper
94 100
96 30.6 73.0 109.6#

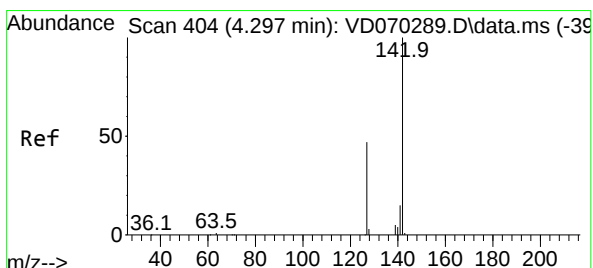
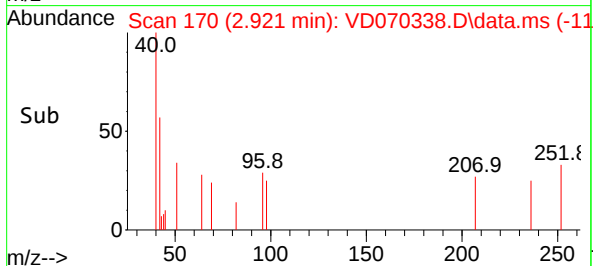
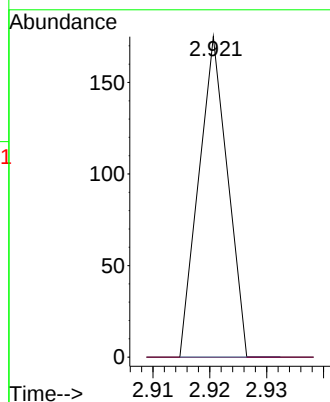
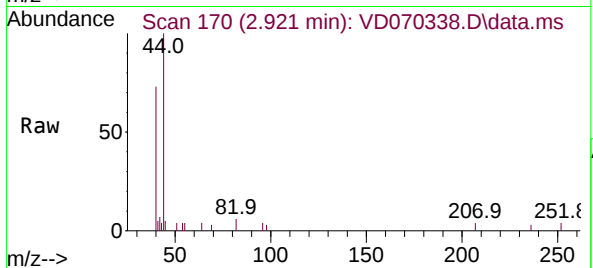




#6
Chloroethane
Concen: Below Cal
RT: 2.921 min Scan# 170
Delta R.T. -0.000 min
Lab File: VD070338.D
Acq: 13 Sep 2021 20:45

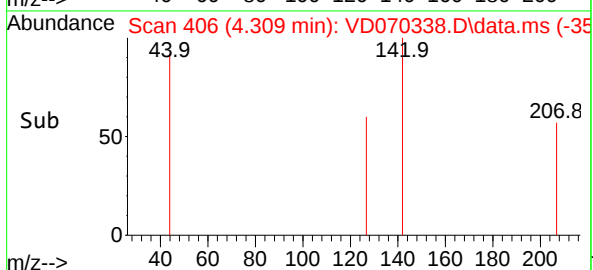
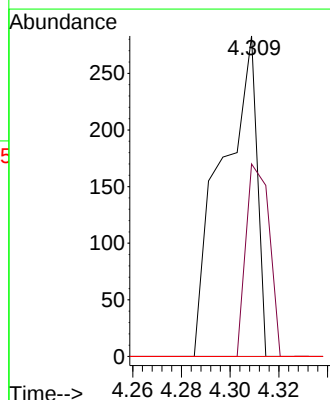
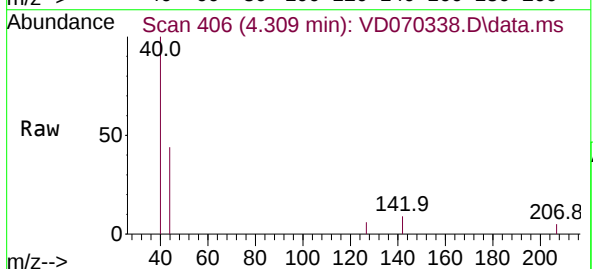
Instrument :
MSVOA_D
ClientSampleId :
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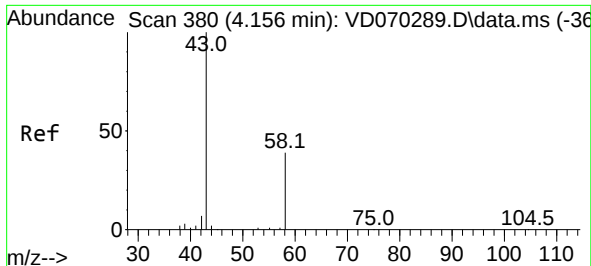
Tgt Ion: 64 Resp: 62
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.092 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD070338.D
Acq: 13 Sep 2021 20:45

Tgt Ion:142 Resp: 280
Ion Ratio Lower Upper
142 100
127 40.4 36.9 55.3
141 0.0 11.8 17.6#

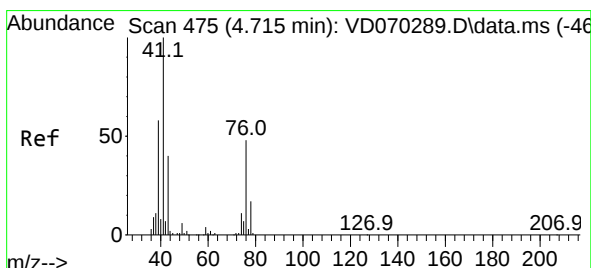
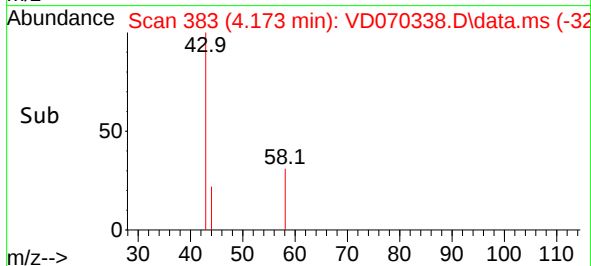
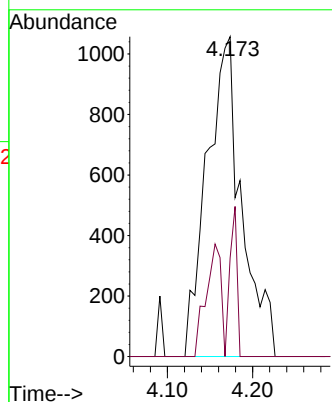
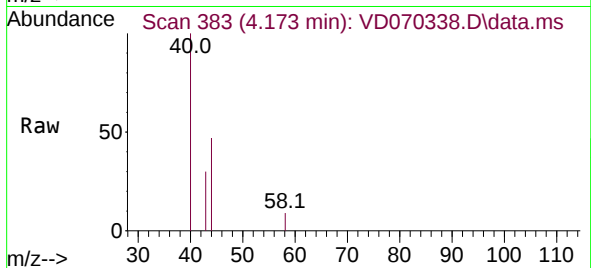




#16
Acetone
Concen: 3.717 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.018 min
Lab File: VD070338.D
Acq: 13 Sep 2021 20:45

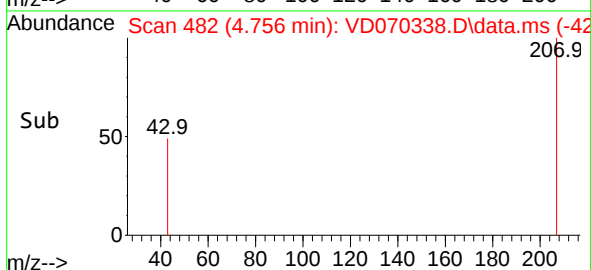
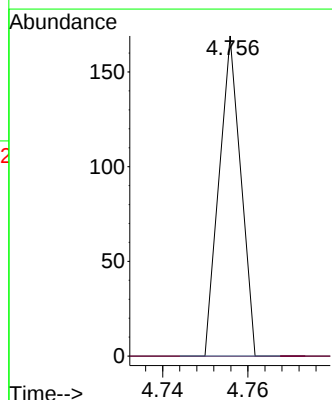
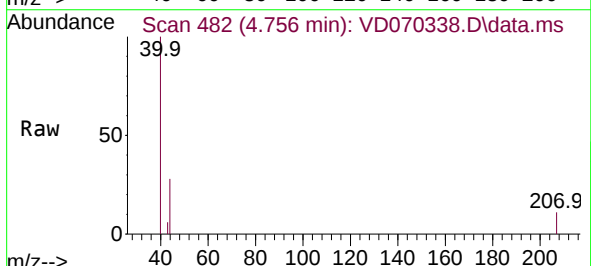
Instrument :
MSVOA_D
ClientSampleId :
A011145

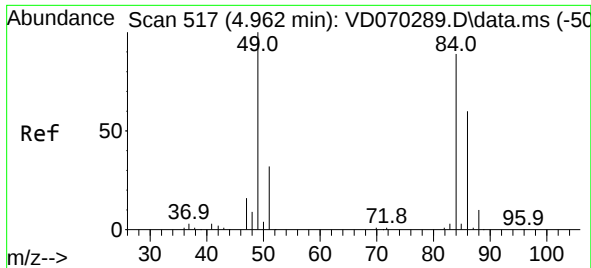
Tgt Ion: 43 Resp: 2988
Ion Ratio Lower Upper
43 100
58 30.8 30.9 46.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.756 min Scan# 482
Delta R.T. 0.041 min
Lab File: VD070338.D
Acq: 13 Sep 2021 20:45

Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

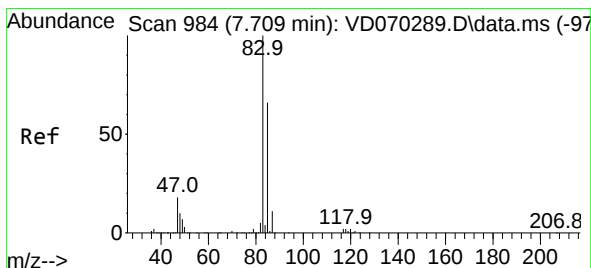
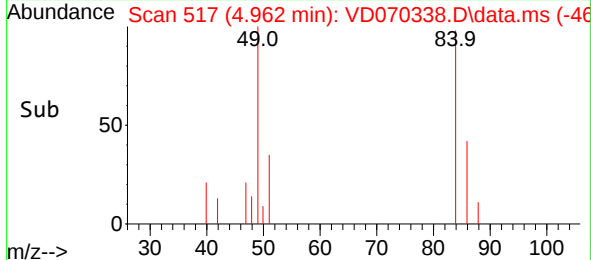
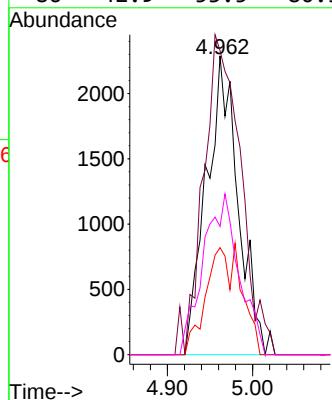
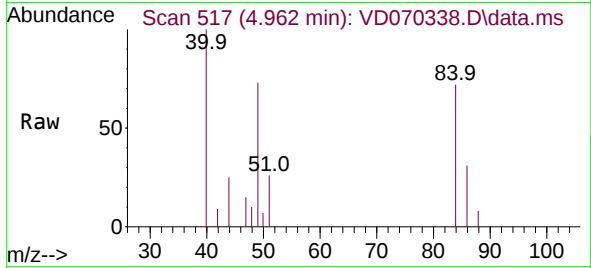




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070338.D
Acq: 13 Sep 2021 20:45

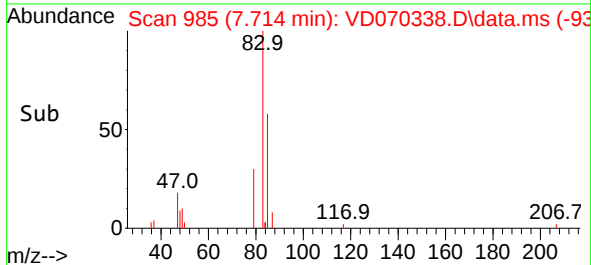
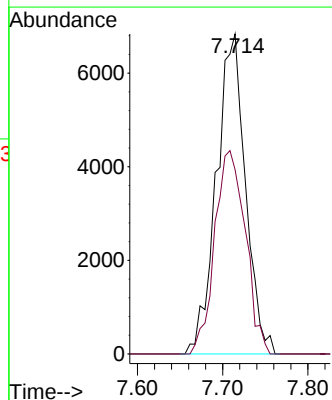
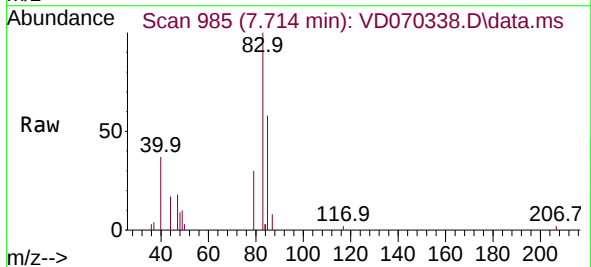
Instrument :
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ClientSampleId :
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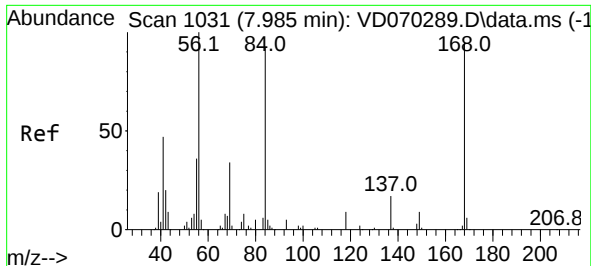
Tgt Ion:	84	Resp:	5989
Ion	Ratio	Lower	Upper
84	100		
49	101.7	89.6	134.4
51	35.8	28.6	43.0
86	42.9	53.5	80.3#



#30
Chloroform
Concen: 1.740 ug/l
RT: 7.714 min Scan# 985
Delta R.T. 0.006 min
Lab File: VD070338.D
Acq: 13 Sep 2021 20:45

Tgt Ion:	83	Resp:	16204
Ion	Ratio	Lower	Upper
83	100		
85	57.6	52.5	78.7

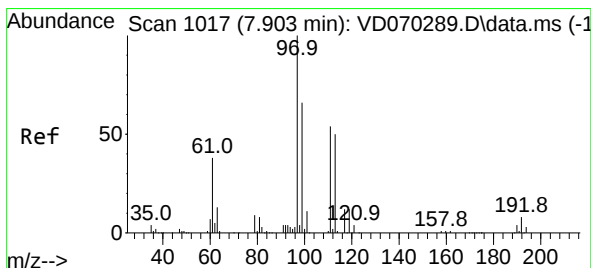
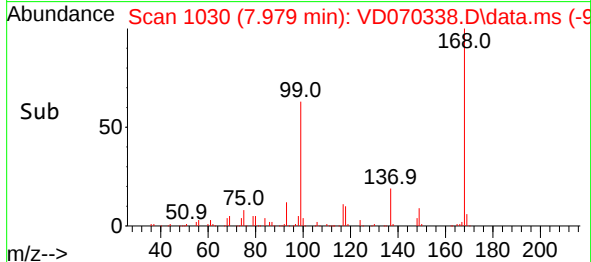
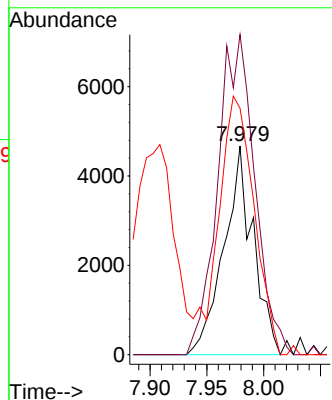
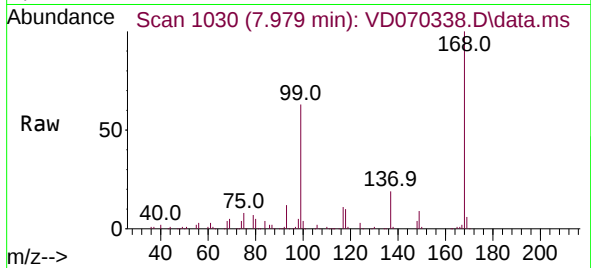




#31
Cyclohexane
Concen: 1.080 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070338.D
Acq: 13 Sep 2021 20:45

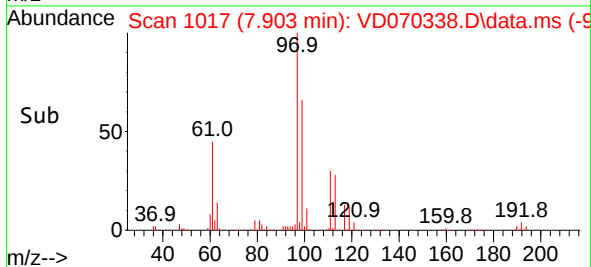
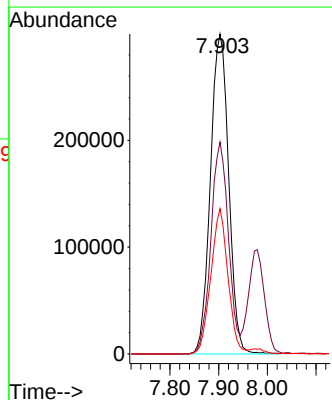
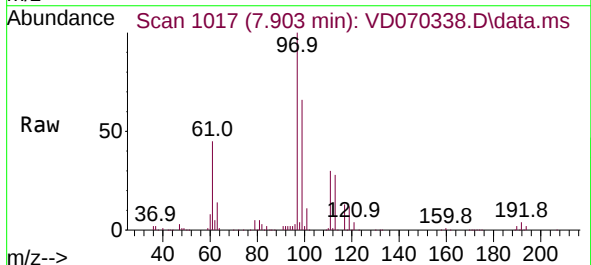
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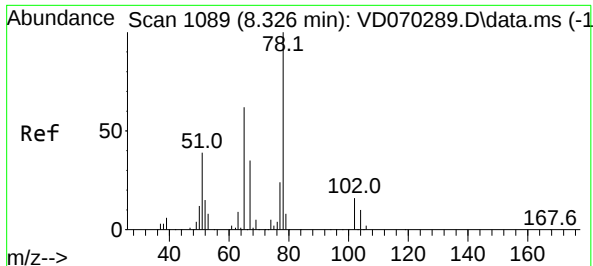
Tgt Ion: 56 Resp: 8377
Ion Ratio Lower Upper
56 100
69 153.4 26.9 40.3#
84 118.1 73.6 110.4#



#32
1,1,1-Trichloroethane
Concen: 99.230 ug/l
RT: 7.903 min Scan# 1017
Delta R.T. 0.000 min
Lab File: VD070338.D
Acq: 13 Sep 2021 20:45

Tgt Ion: 97 Resp: 777905
Ion Ratio Lower Upper
97 100
99 63.9 51.1 76.7
61 42.6 31.4 47.0



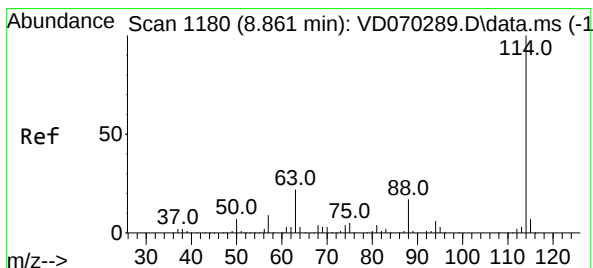
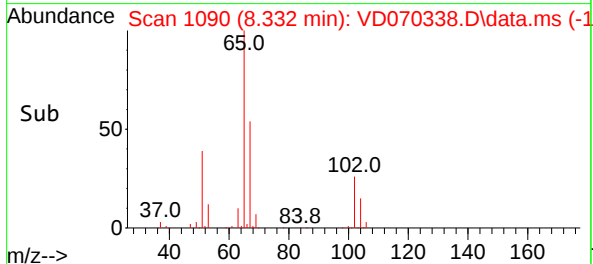
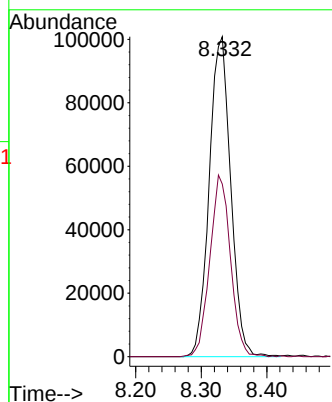
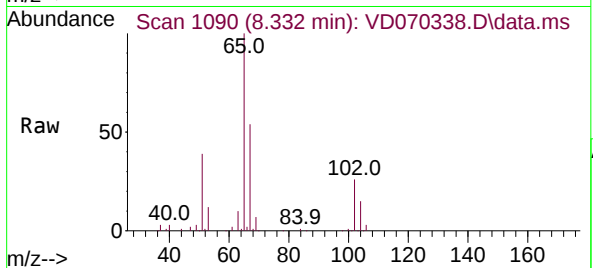


#33

1,2-Dichloroethane-d4
Concen: 51.024 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070338.D
Acq: 13 Sep 2021 20:45

Instrument :
MSVOA_D
ClientSampleId :
A011145

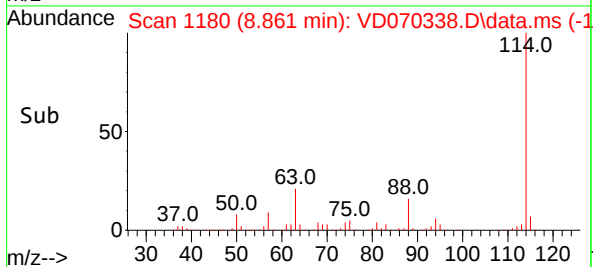
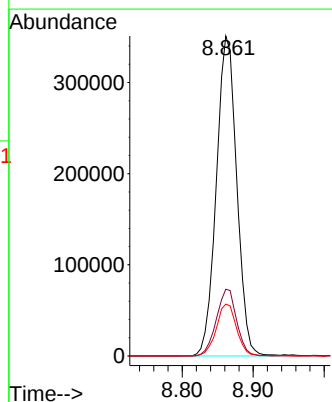
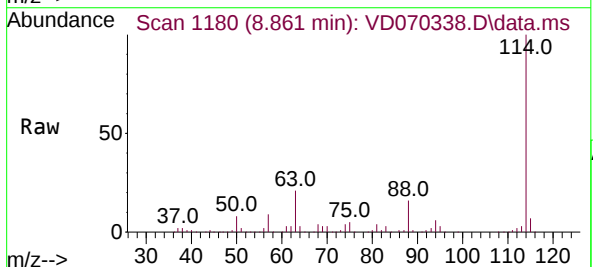
Tgt Ion: 65 Resp: 229733
Ion Ratio Lower Upper
65 100
67 54.4 0.0 111.4

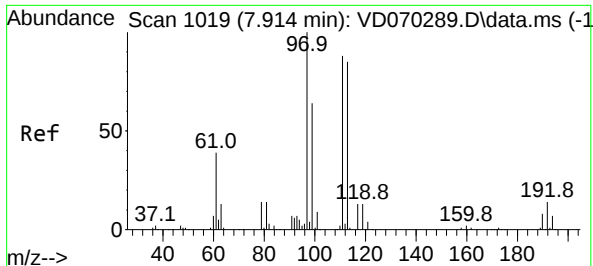


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070338.D
Acq: 13 Sep 2021 20:45

Tgt Ion: 114 Resp: 698924
Ion Ratio Lower Upper
114 100
63 20.9 0.0 43.4
88 16.2 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.218 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070338.D

Acq: 13 Sep 2021 20:45

Tgt Ion:113 Resp: 249835

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.2

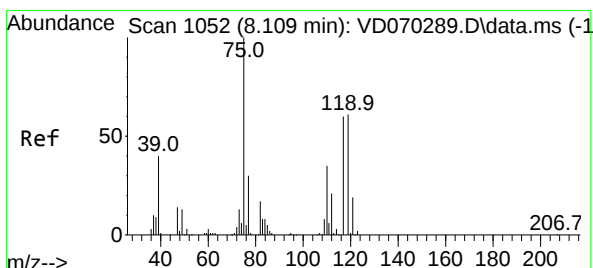
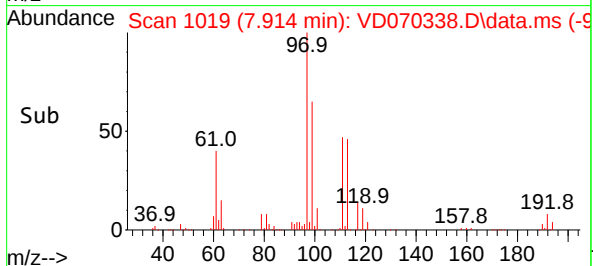
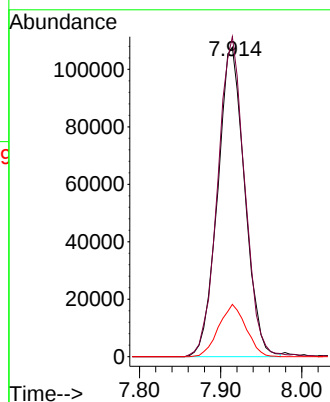
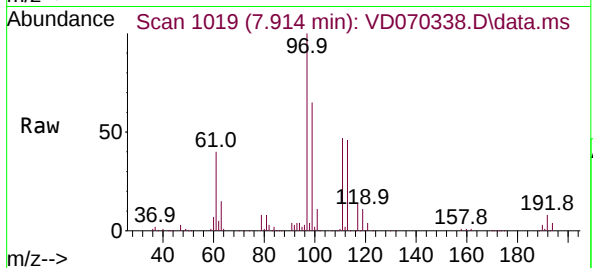
192 17.0 13.0 19.6

Instrument :

MSVOA_D

ClientSampleId :

A011145



#36

1,1-Dichloropropene

Concen: 4.258 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD070338.D

Acq: 13 Sep 2021 20:45

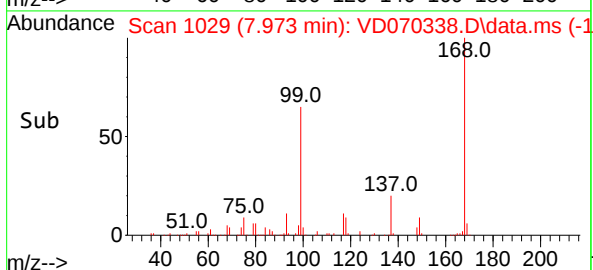
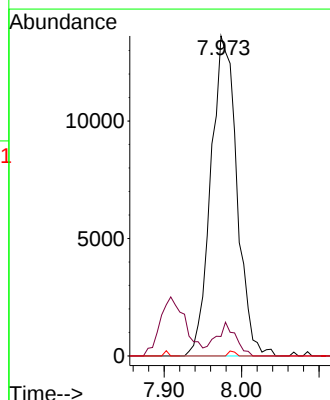
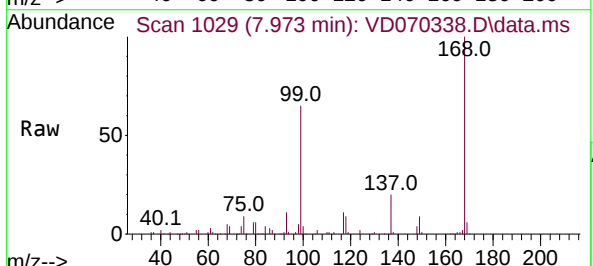
Tgt Ion: 75 Resp: 31807

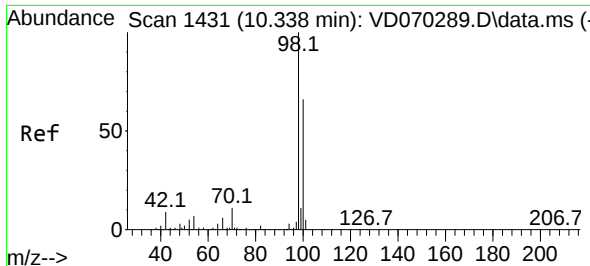
Ion Ratio Lower Upper

75 100

110 7.9 17.9 53.7#

77 0.4 25.3 37.9#

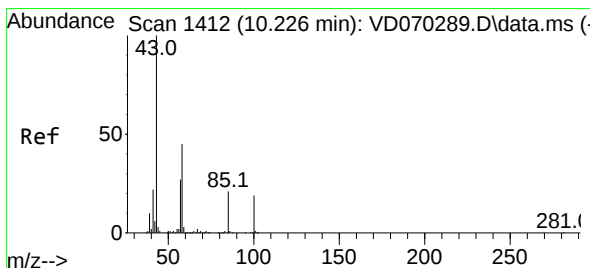
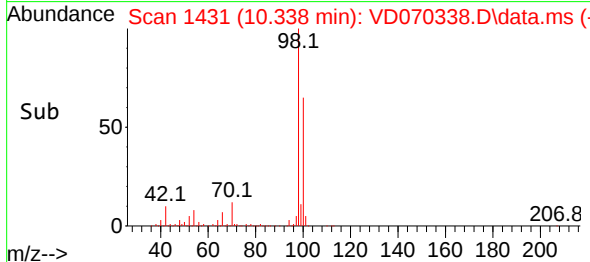
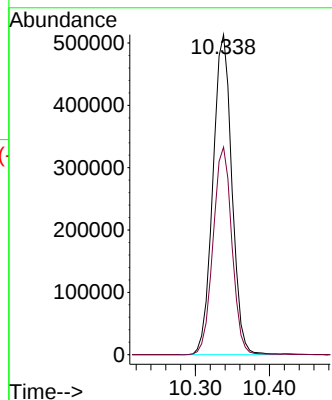
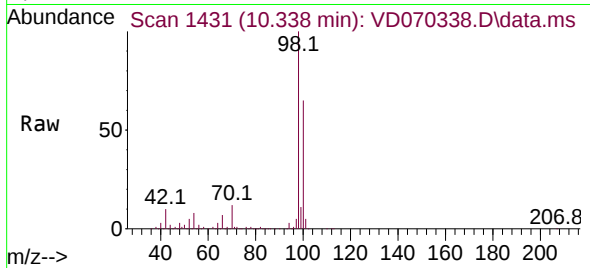




#50
Toluene-d8
Concen: 50.428 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD070338.D
Acq: 13 Sep 2021 20:45

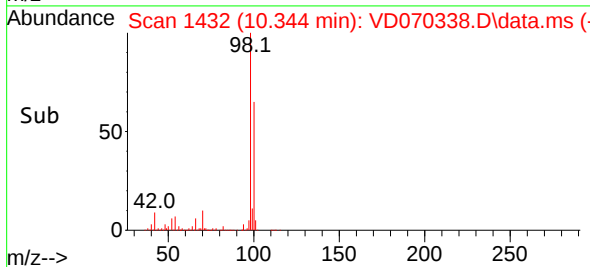
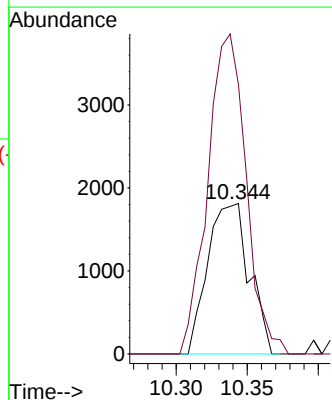
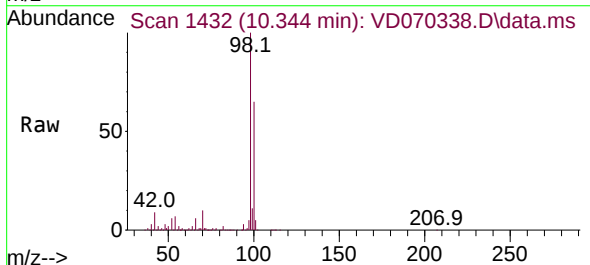
Instrument :
MSVOA_D
ClientSampleId :
A011145

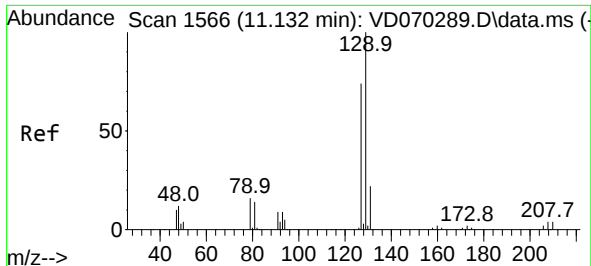
Tgt Ion: 98 Resp: 910891
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.384 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.118 min
Lab File: VD070338.D
Acq: 13 Sep 2021 20:45

Tgt Ion: 43 Resp: 3700
Ion Ratio Lower Upper
43 100
58 195.6 35.4 53.2#

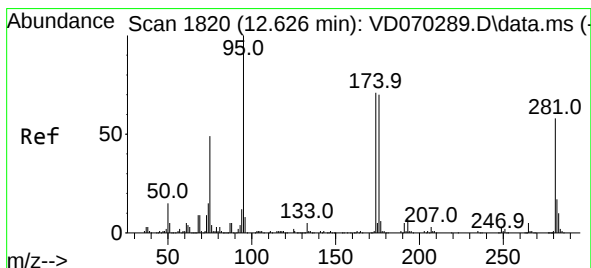
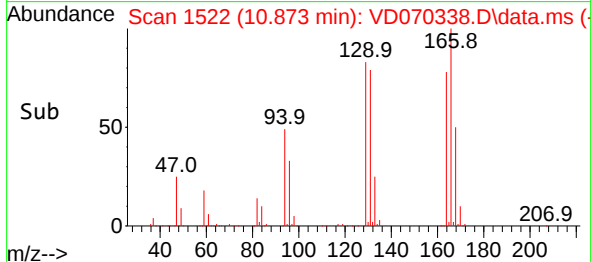
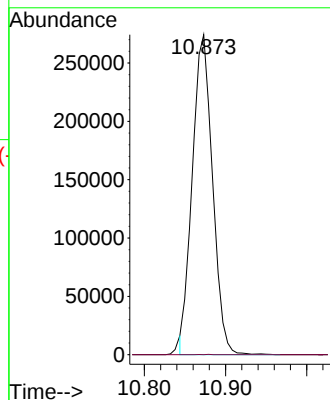
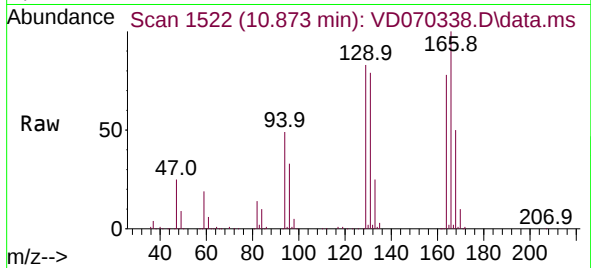




#60
Dibromochloromethane
Concen: 100.383 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.259 min
Lab File: VD070338.D
Acq: 13 Sep 2021 20:45

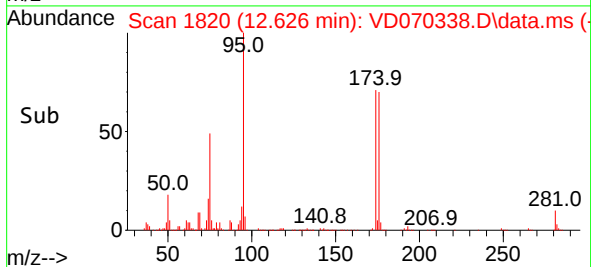
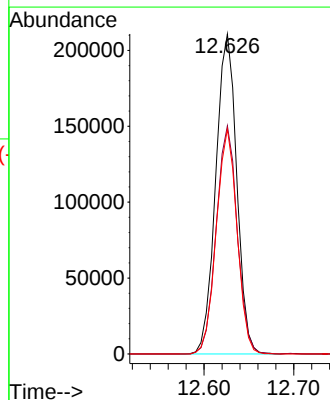
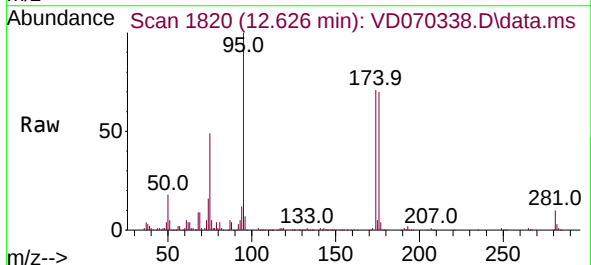
Instrument :
MSVOA_D
ClientSampleId :
A011145

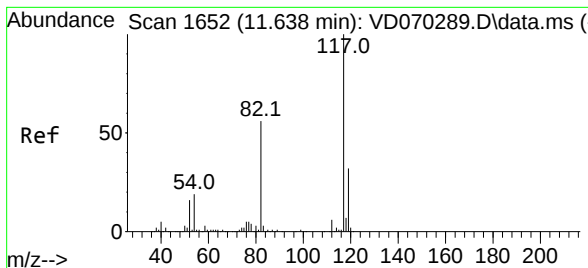
Tgt Ion:129 Resp: 475340
Ion Ratio Lower Upper
129 100
127 0.0 38.0 114.0#



#62
4-Bromofluorobenzene
Concen: 54.149 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070338.D
Acq: 13 Sep 2021 20:45

Tgt Ion: 95 Resp: 341833
Ion Ratio Lower Upper
95 100
174 71.4 0.0 140.6
176 69.4 0.0 137.4

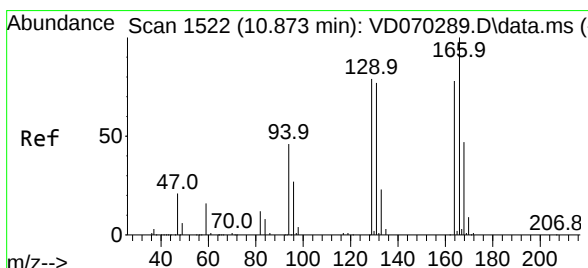
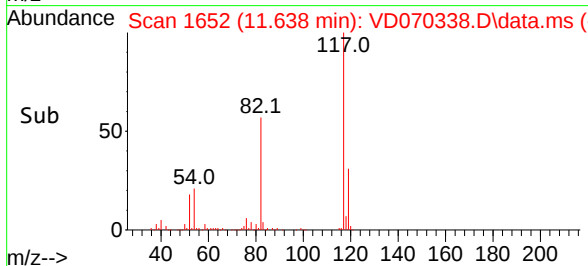
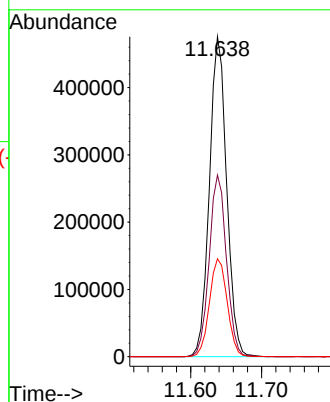
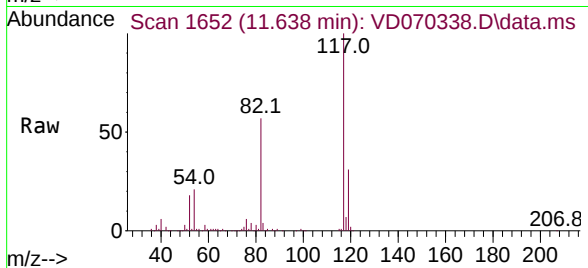




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070338.D
Acq: 13 Sep 2021 20:45

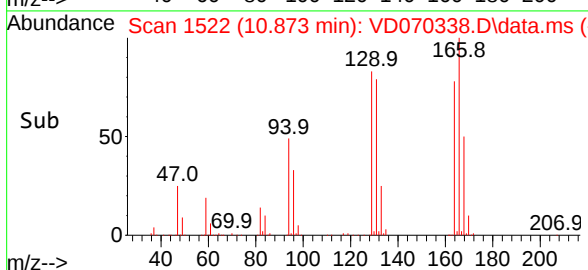
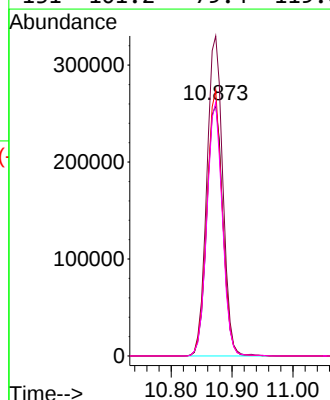
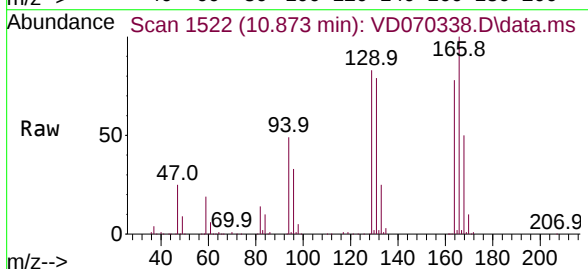
Instrument :
MSVOA_D
ClientSampleId :
A011145

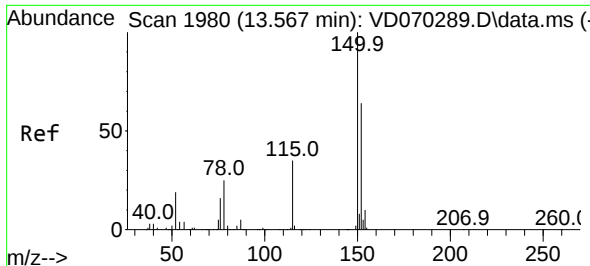
Tgt Ion:117 Resp: 800829
Ion Ratio Lower Upper
117 100
82 56.8 45.0 67.4
119 30.6 25.2 37.8



#64
Tetrachloroethene
Concen: 97.095 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. 0.000 min
Lab File: VD070338.D
Acq: 13 Sep 2021 20:45

Tgt Ion:164 Resp: 473415
Ion Ratio Lower Upper
164 100
166 127.6 102.4 153.6
129 106.0 80.9 121.3
131 101.2 79.4 119.0

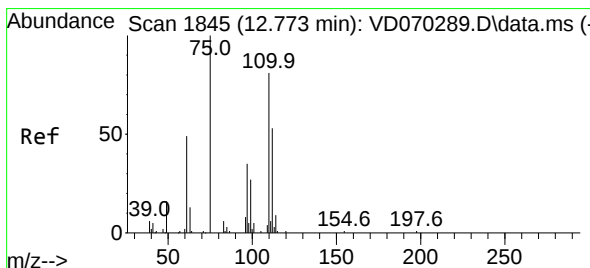
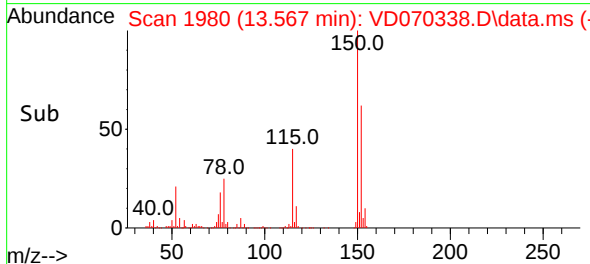
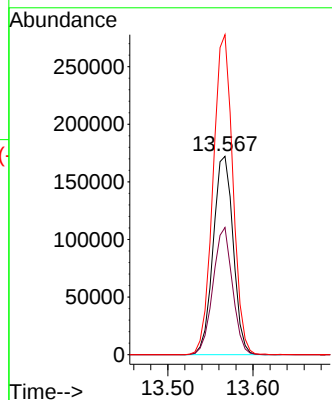
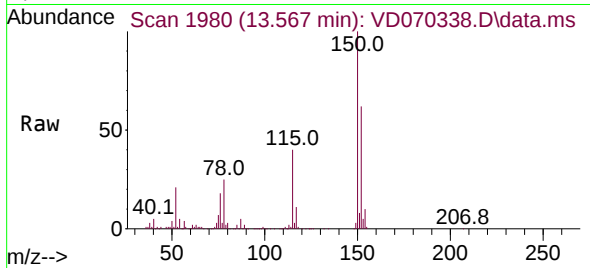




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070338.D
Acq: 13 Sep 2021 20:45

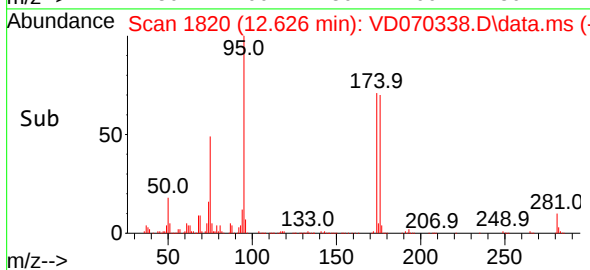
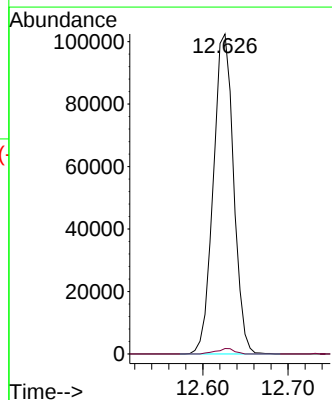
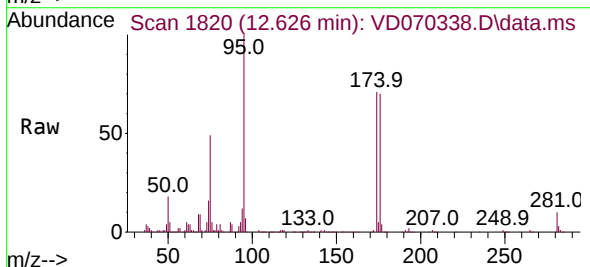
Instrument :
MSVOA_D
ClientSampleId :
A011145

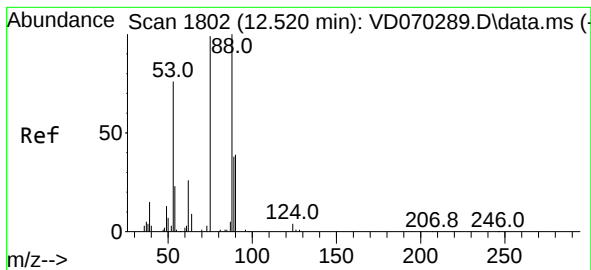
Tgt Ion:152 Resp: 279986
Ion Ratio Lower Upper
152 100
115 62.7 32.1 96.3
150 159.9 0.0 350.6



#76
1,2,3-Trichloropropane
Concen: 59.880 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070338.D
Acq: 13 Sep 2021 20:45

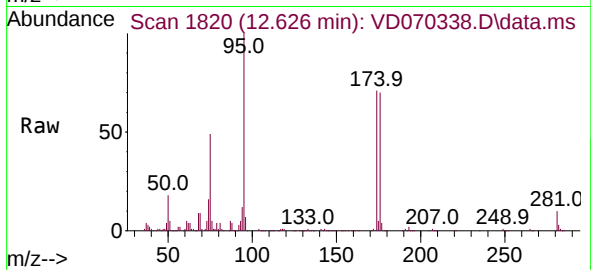
Tgt Ion: 75 Resp: 169586
Ion Ratio Lower Upper
75 100
77 1.5 174.9 524.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 150.035 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070338.D
 Acq: 13 Sep 2021 20:45

Instrument :
 MSVOA_D
 ClientSampleId :
 A011145



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.3	64.2	96.2#
89	0.0	35.6	53.4#

