

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
 Data File : VD070460.D
 Acq On : 24 Sep 2021 17:44
 Operator : VA/SY
 Sample : M3908-02
 Misc : 6.28G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 25 03:09:35 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)

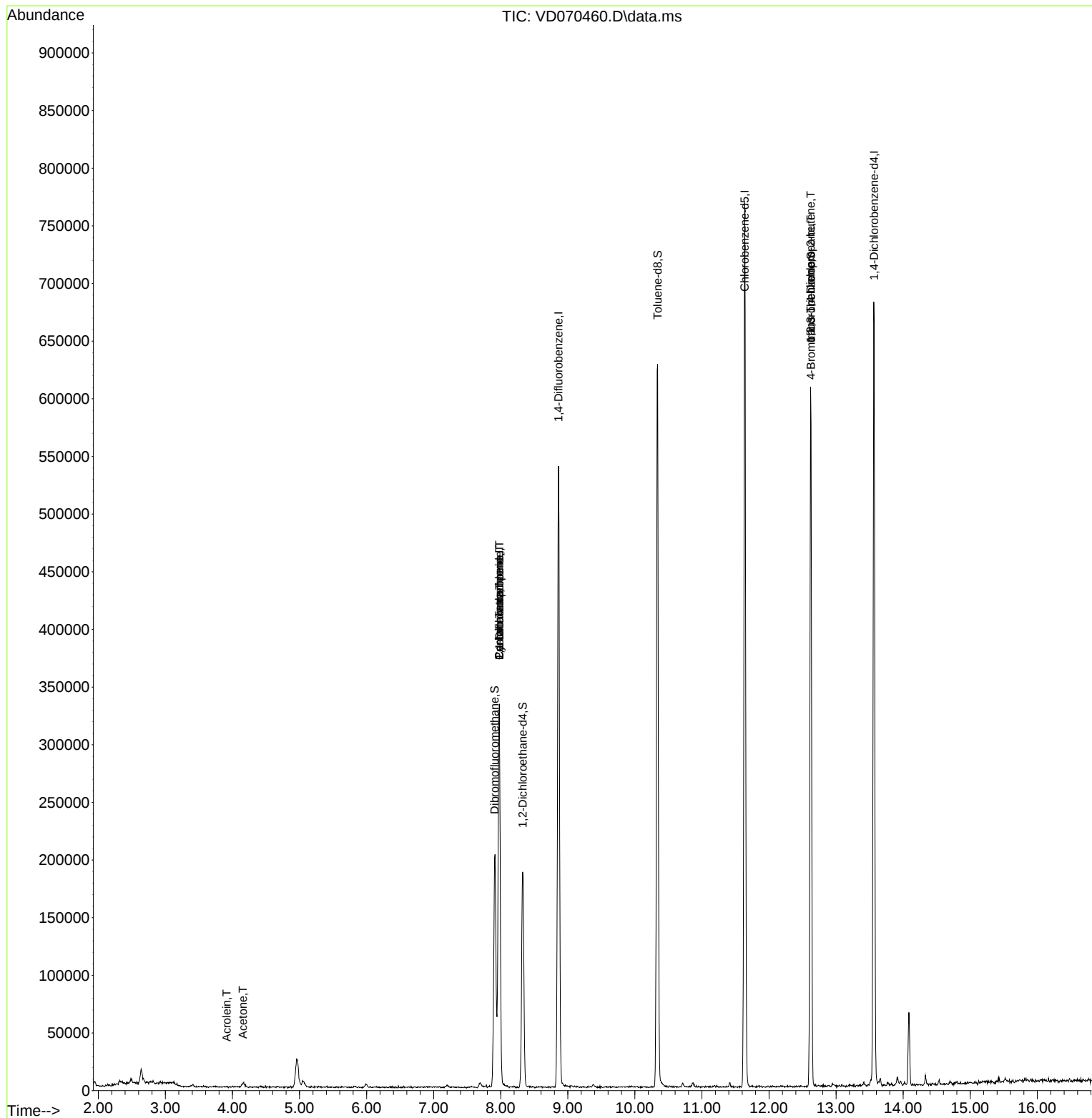
Internal Standards						
1) Pentafluorobenzene	7.979	168	236684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	467317	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	460576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	186659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	151783	49.944	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.880%		
35) Dibromofluoromethane	7.908	113	149403	44.914	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.820%		
50) Toluene-d8	10.338	98	448248	37.114	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	74.220%		
62) 4-Bromofluorobenzene	12.626	95	150102	35.562	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	71.120%		
Target Compounds						
3) Chloromethane	2.203	50	499	Below Cal	#	42
5) Bromomethane	2.768	94	545	Below Cal		90
6) Chloroethane	2.997	64	60	Below Cal	#	43
13) Acrolein	3.915	56	306	2.025	ug/l #	16
16) Acetone	4.156	43	6810	12.551	ug/l	99
18) Methyl Acetate	4.715	43	116	Below Cal	#	48
20) Methylene Chloride	4.967	84	19304	Below Cal		97
31) Cyclohexane	7.979	56	6053	1.156	ug/l #	41
36) 1,1-Dichloropropene	7.979	75	21594	4.323	ug/l #	47
38) Carbon Tetrachloride	7.979	117	25444	5.151	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	71124	37.670	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	71124	94.386	ug/l #	18

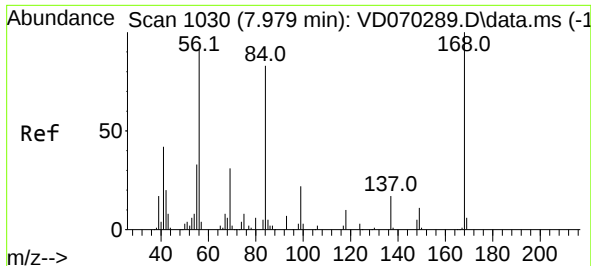
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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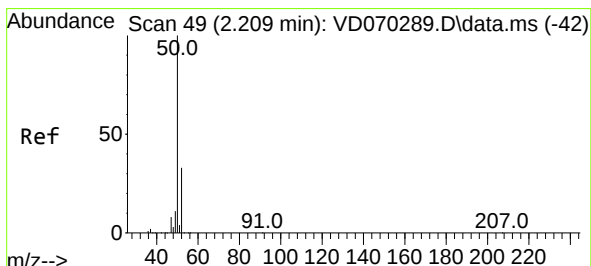
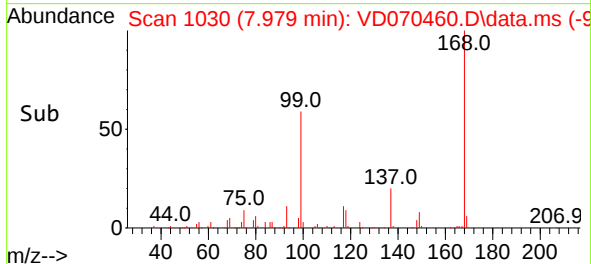
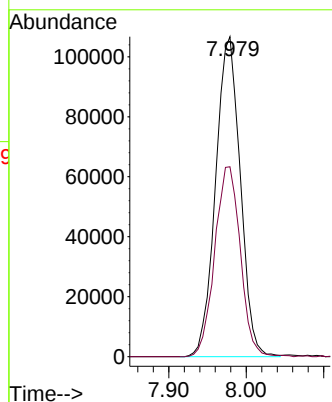
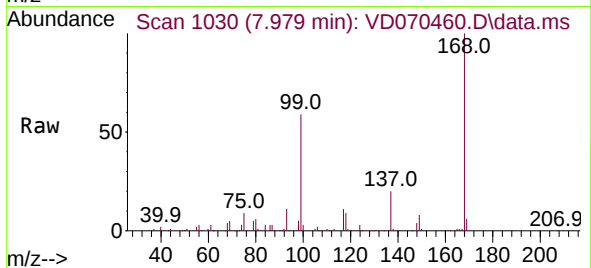




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070460.D
Acq: 24 Sep 2021 17:44

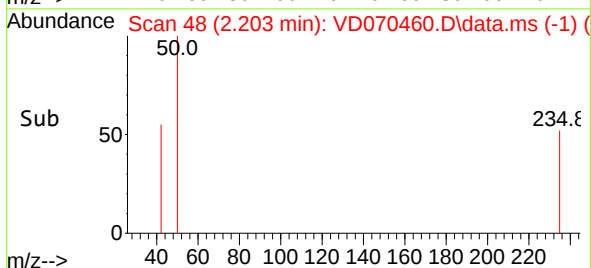
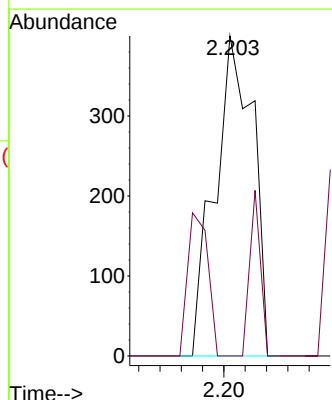
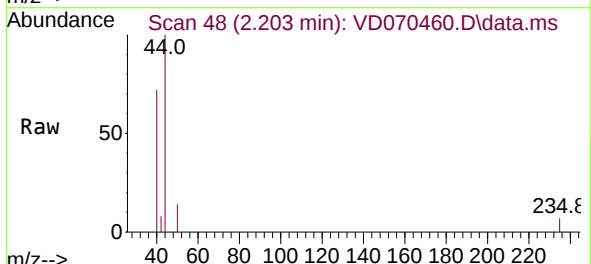
Instrument :
MSVOA_D
ClientSampled :

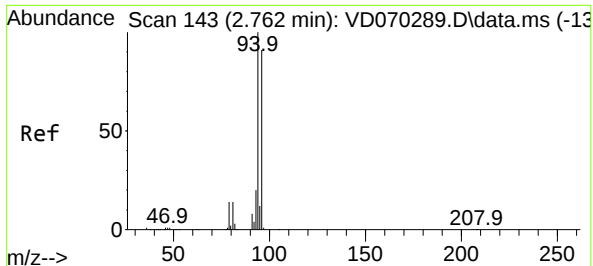
Tgt Ion:168 Resp: 236684
Ion Ratio Lower Upper
168 100
99 59.3 50.8 76.2



#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070460.D
Acq: 24 Sep 2021 17:44

Tgt Ion: 50 Resp: 499
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#





#5

Bromomethane

Concen: Below Cal

RT: 2.768 min Scan# 144

Delta R.T. 0.006 min

Lab File: VD070460.D

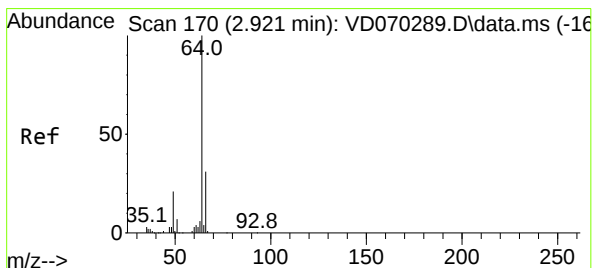
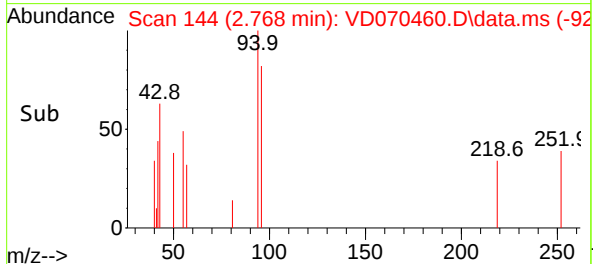
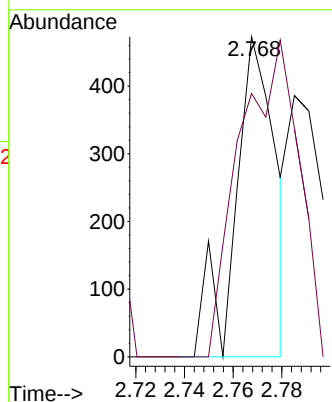
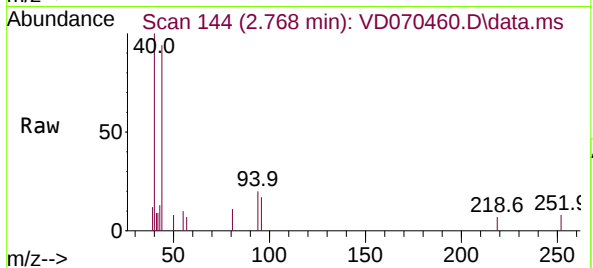
Acq: 24 Sep 2021 17:44

Tgt Ion: 94 Resp: 545

Ion Ratio Lower Upper

94 100

96 82.2 73.0 109.6



#6

Chloroethane

Concen: Below Cal

RT: 2.997 min Scan# 183

Delta R.T. 0.076 min

Lab File: VD070460.D

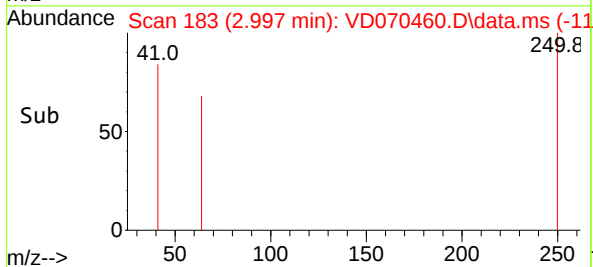
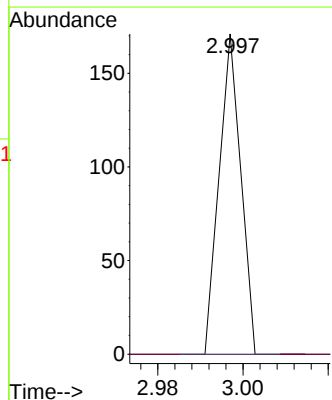
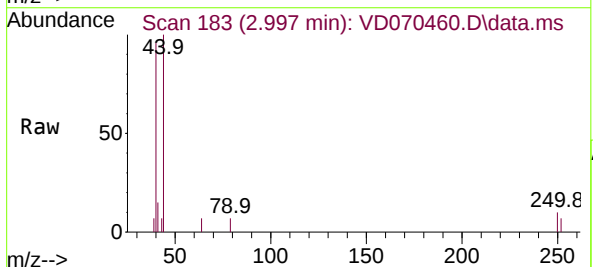
Acq: 24 Sep 2021 17:44

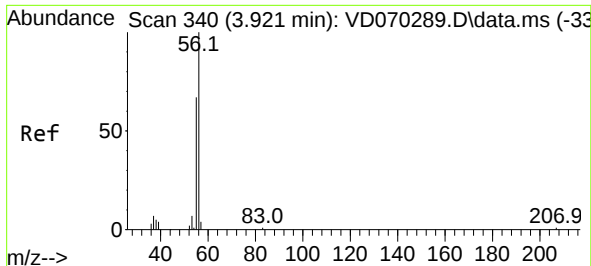
Tgt Ion: 64 Resp: 60

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.4#

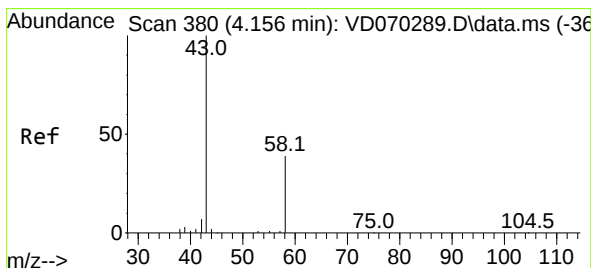
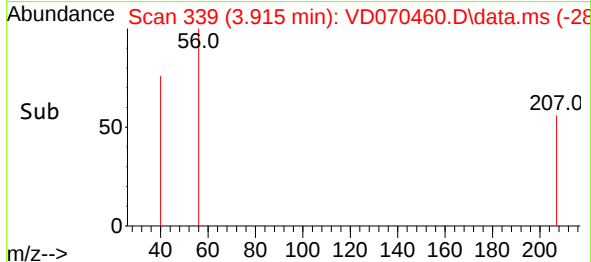
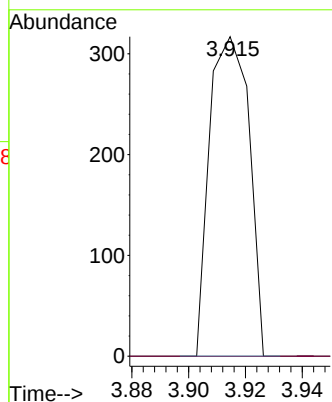
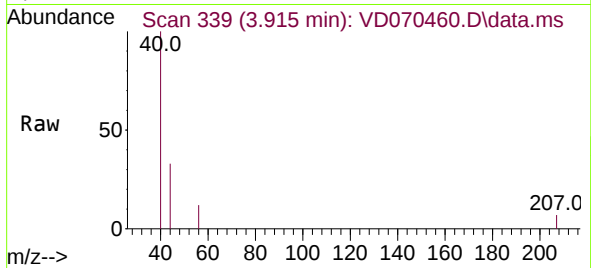




#13
Acrolein
Concen: 2.025 ug/l
RT: 3.915 min Scan# 339
Delta R.T. -0.006 min
Lab File: VD070460.D
Acq: 24 Sep 2021 17:44

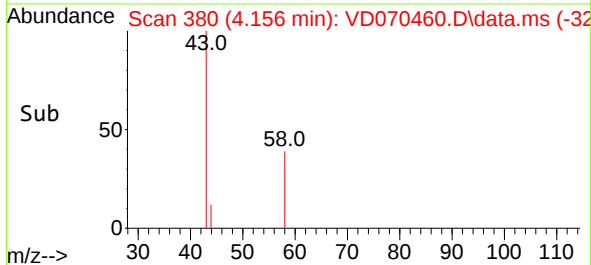
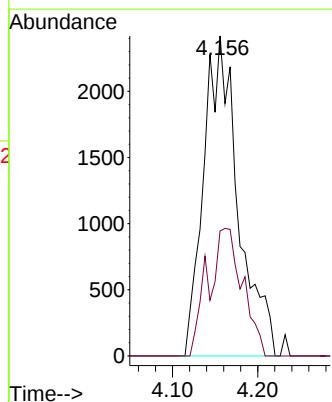
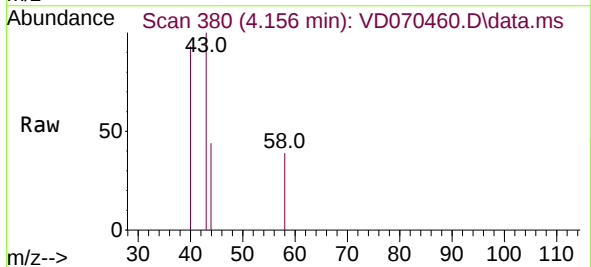
Instrument :
MSVOA_D
ClientSampled :

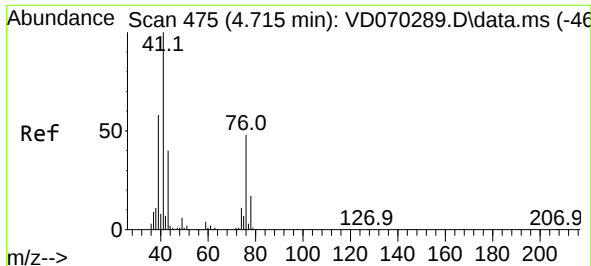
Tgt Ion: 56 Resp: 306
Ion Ratio Lower Upper
56 100
55 0.0 54.2 81.2#



#16
Acetone
Concen: 12.551 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070460.D
Acq: 24 Sep 2021 17:44

Tgt Ion: 43 Resp: 6810
Ion Ratio Lower Upper
43 100
58 39.0 30.9 46.3

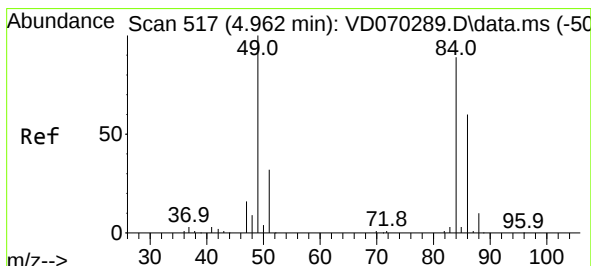
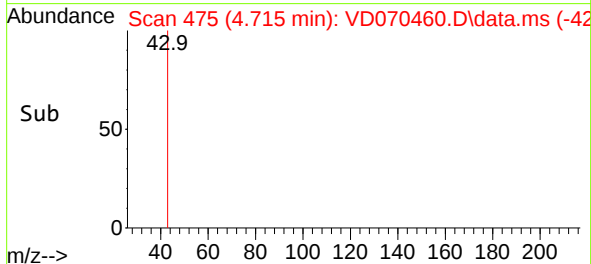
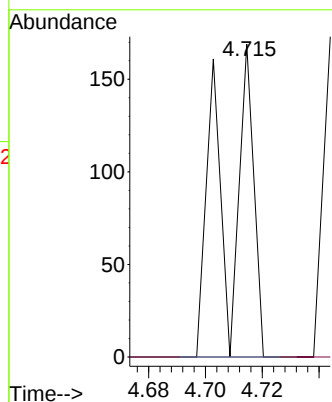
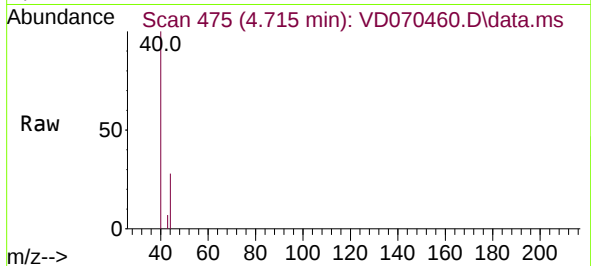




#18
Methyl Acetate
Concen: Below Cal
RT: 4.715 min Scan# 475
Delta R.T. -0.000 min
Lab File: VD070460.D
Acq: 24 Sep 2021 17:44

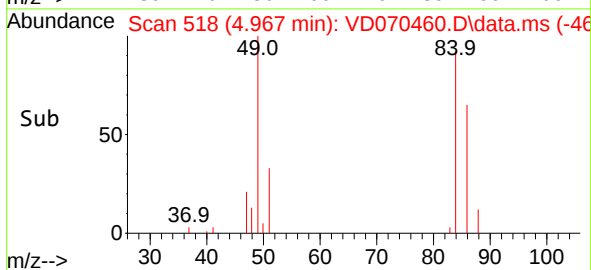
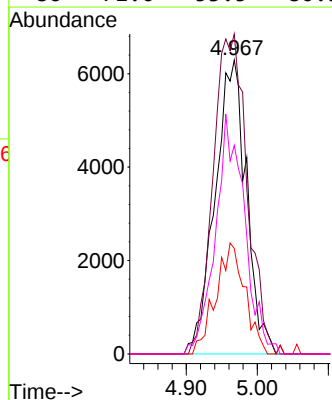
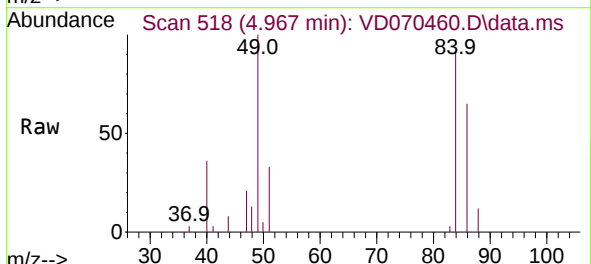
Instrument :
MSVOA_D
ClientSampled :

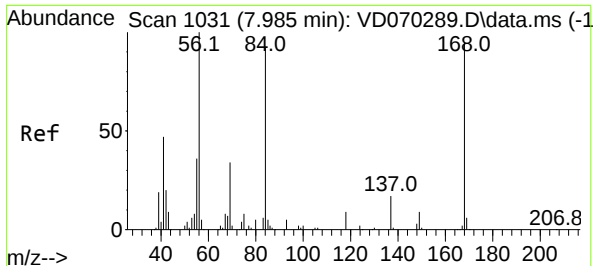
Tgt Ion: 43 Resp: 116
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070460.D
Acq: 24 Sep 2021 17:44

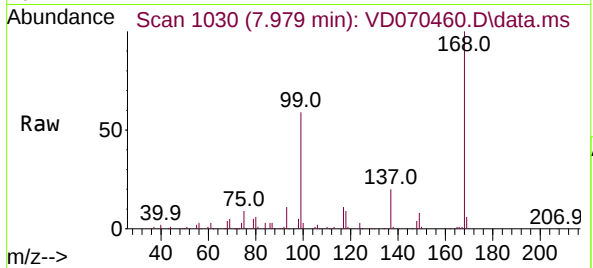
Tgt Ion: 84 Resp: 19304
Ion Ratio Lower Upper
84 100
49 108.9 89.6 134.4
51 35.8 28.6 43.0
86 71.0 53.5 80.3



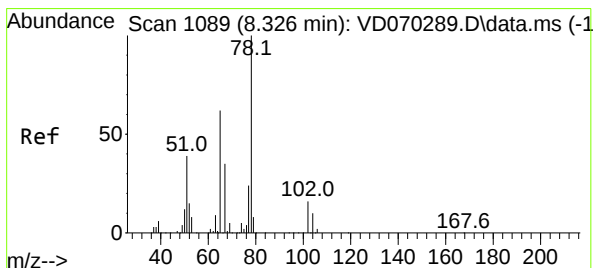
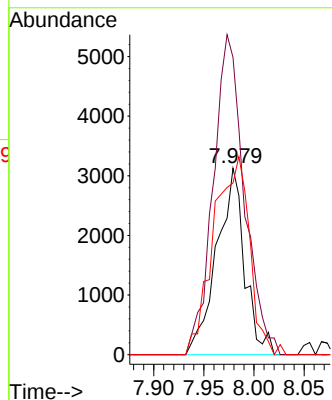
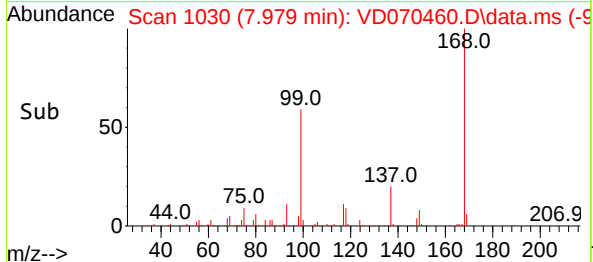


#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070460.D
Acq: 24 Sep 2021 17:44

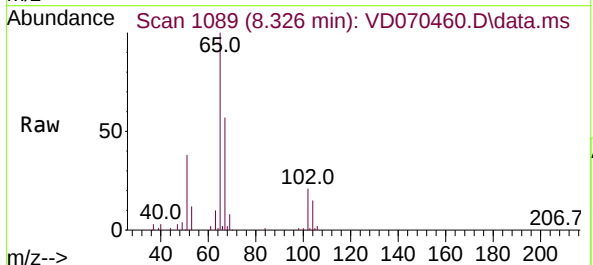
Instrument :
MSVOA_D
ClientSampled :



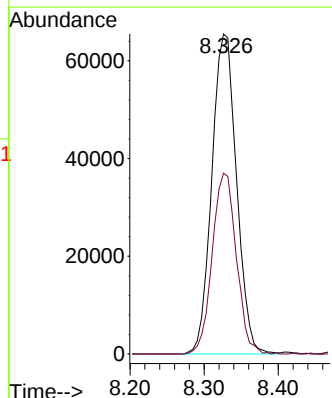
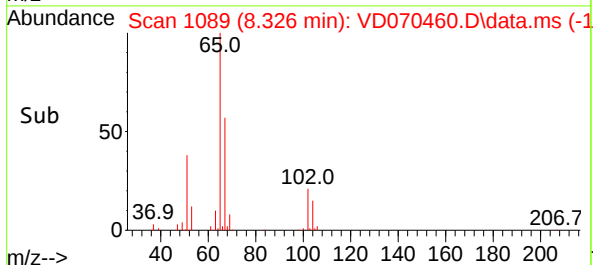
Tgt Ion: 56 Resp: 6053
Ion Ratio Lower Upper
56 100
69 159.5 26.9 40.3#
84 92.1 73.6 110.4

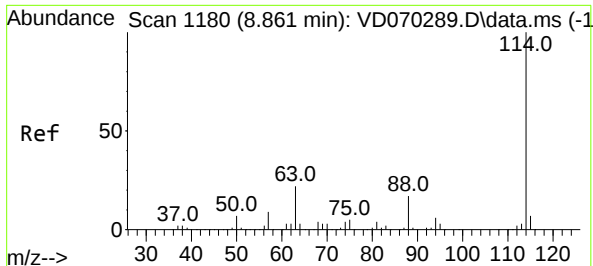


#33
1,2-Dichloroethane-d4
Concen: 49.944 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070460.D
Acq: 24 Sep 2021 17:44



Tgt Ion: 65 Resp: 151783
Ion Ratio Lower Upper
65 100
67 55.1 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: VD070460.D

Acq: 24 Sep 2021 17:44

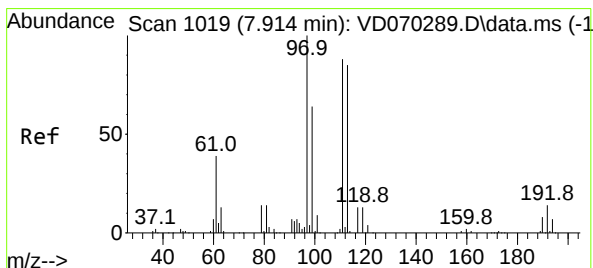
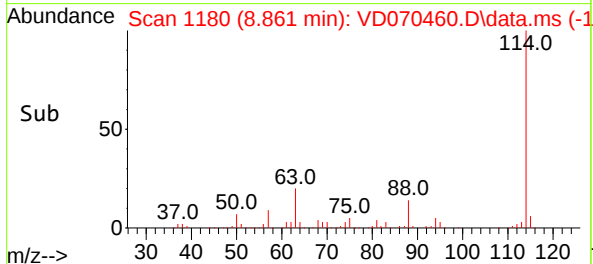
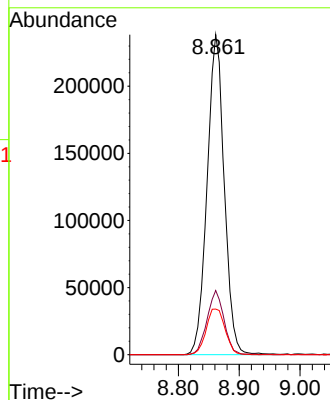
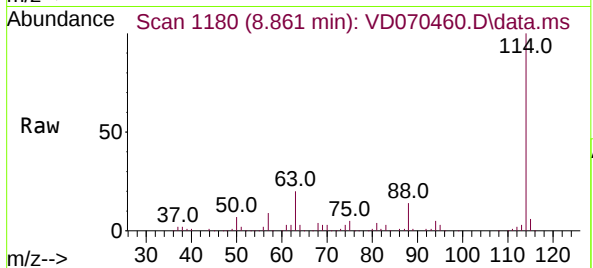
Tgt Ion:114 Resp: 467317

Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.4

88 14.3 0.0 33.4



#35

Dibromofluoromethane

Concen: 44.914 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070460.D

Acq: 24 Sep 2021 17:44

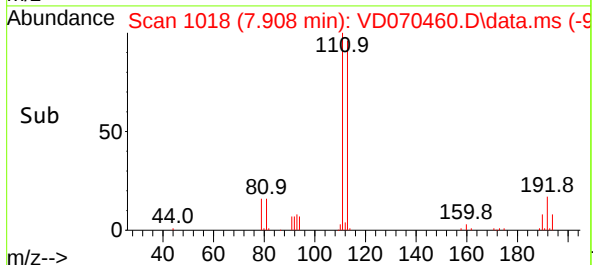
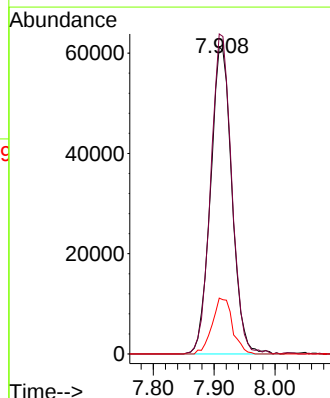
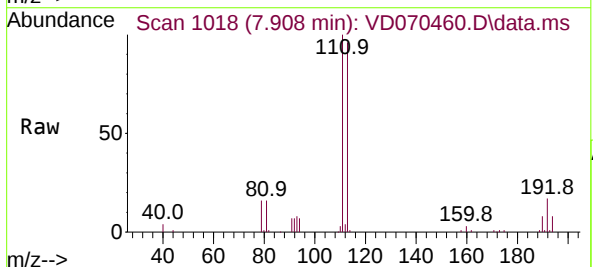
Tgt Ion:113 Resp: 149403

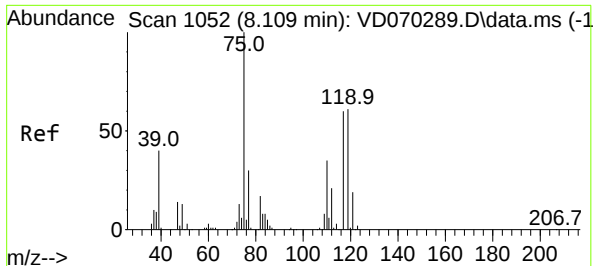
Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.2

192 17.2 13.0 19.6





#36

1,1-Dichloropropene

Concen: 4.323 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD070460.D

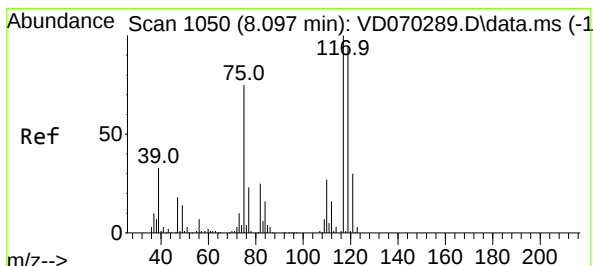
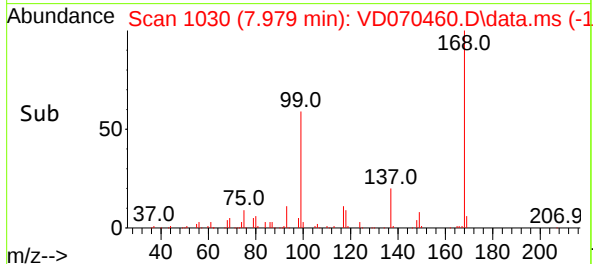
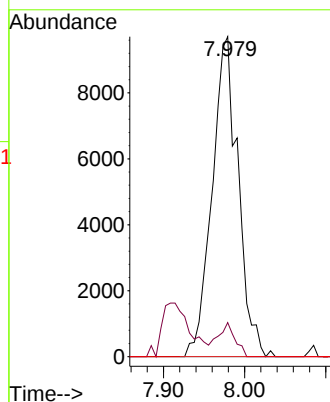
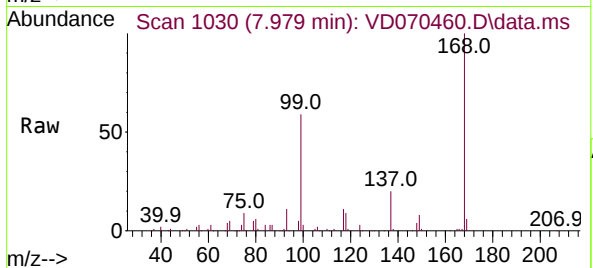
Acq: 24 Sep 2021 17:44

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75	Resp: 21594
Ion Ratio	Lower Upper
75 100	
110 7.1	17.9 53.7#
77 0.0	25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.151 ug/l

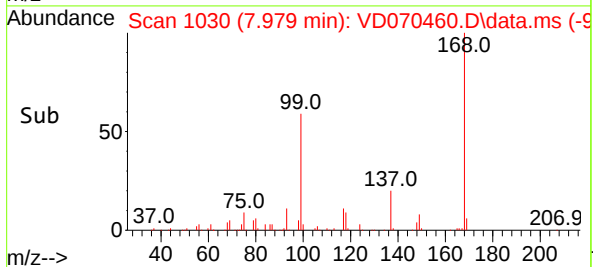
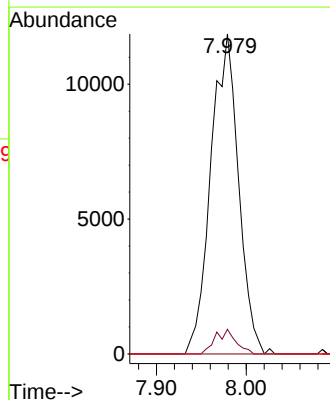
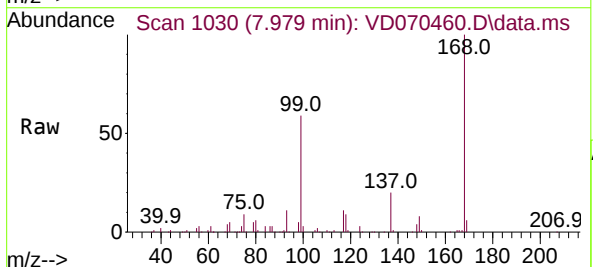
RT: 7.979 min Scan# 1030

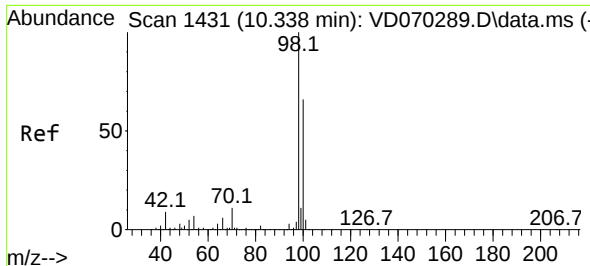
Delta R.T. -0.118 min

Lab File: VD070460.D

Acq: 24 Sep 2021 17:44

Tgt Ion: 117	Resp: 25444
Ion Ratio	Lower Upper
117 100	
119 7.7	76.1 114.1#
121 0.0	23.8 35.6#

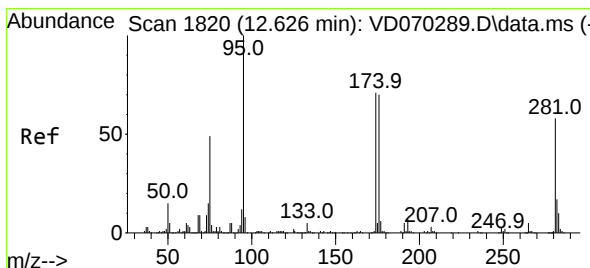
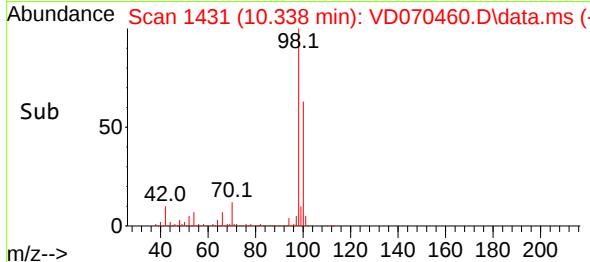
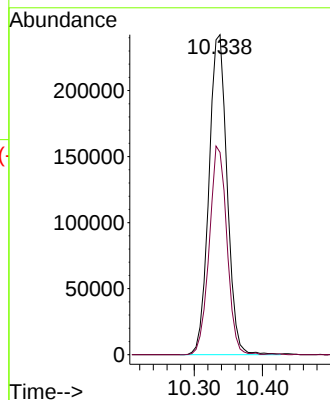
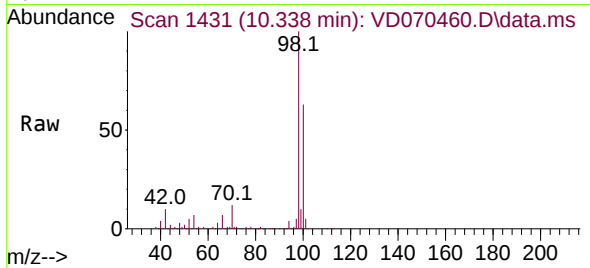




#50
Toluene-d8
Concen: 37.114 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070460.D
Acq: 24 Sep 2021 17:44

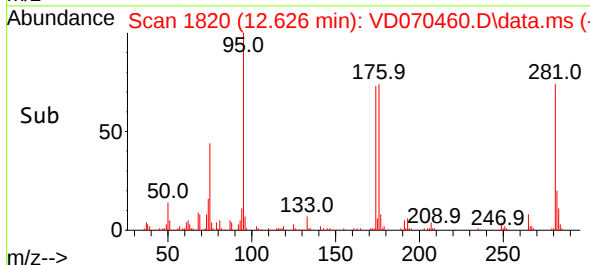
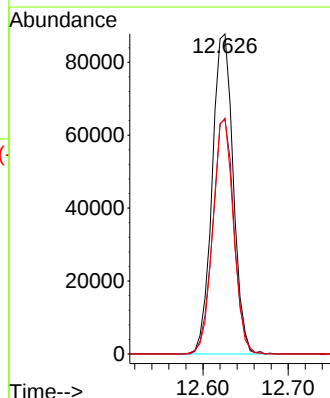
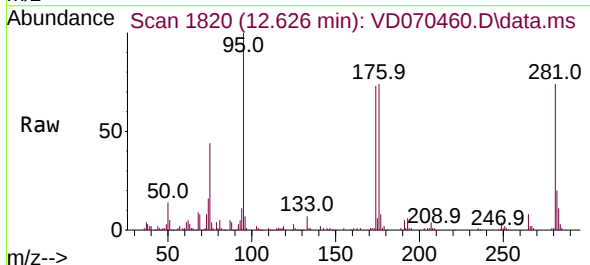
Instrument :
MSVOA_D
ClientSampleId :

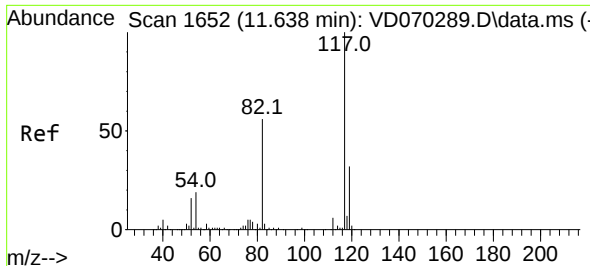
Tgt Ion: 98 Resp: 448248
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 35.562 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070460.D
Acq: 24 Sep 2021 17:44

Tgt Ion: 95 Resp: 150102
Ion Ratio Lower Upper
95 100
174 73.6 0.0 140.6
176 72.2 0.0 137.4

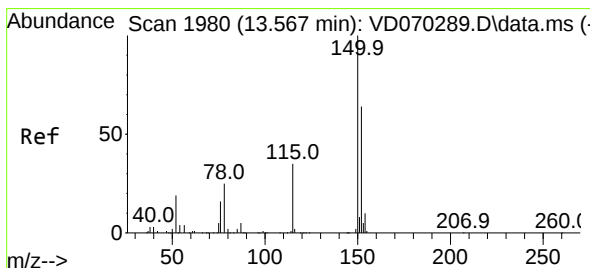
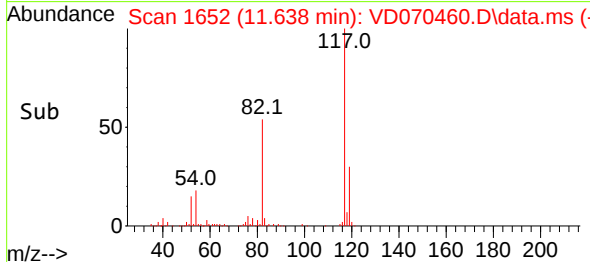
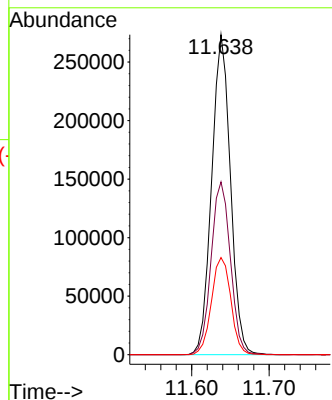
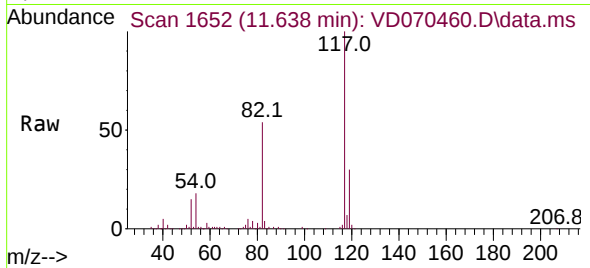




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070460.D
Acq: 24 Sep 2021 17:44

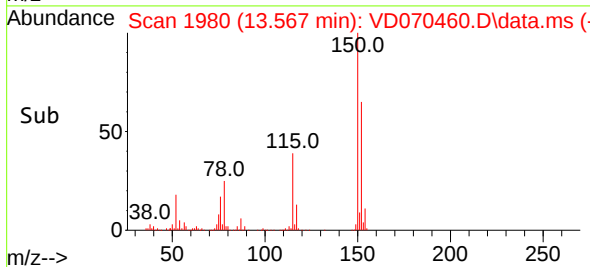
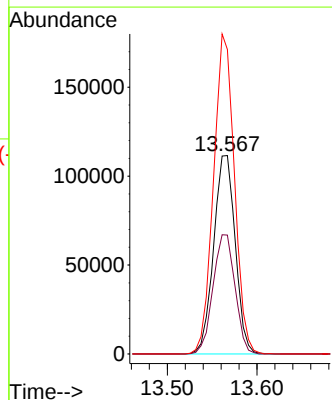
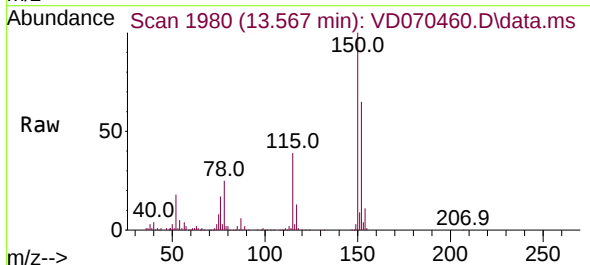
Instrument :
MSVOA_D
ClientSampleId :

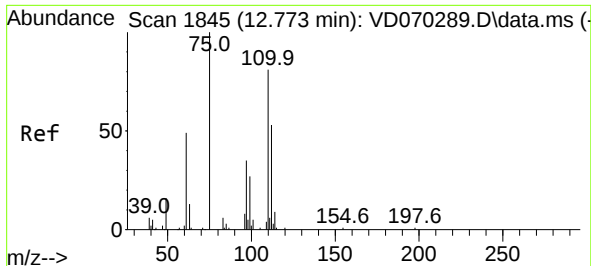
Tgt Ion:	117	Resp:	460576
Ion	Ratio	Lower	Upper
117	100		
82	54.0	45.0	67.4
119	30.4	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070460.D
Acq: 24 Sep 2021 17:44

Tgt Ion:	152	Resp:	186659
Ion	Ratio	Lower	Upper
152	100		
115	61.1	32.1	96.3
150	155.7	0.0	350.6

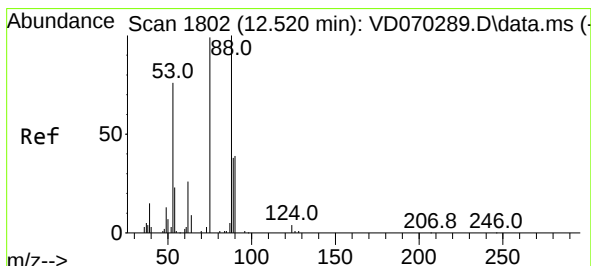
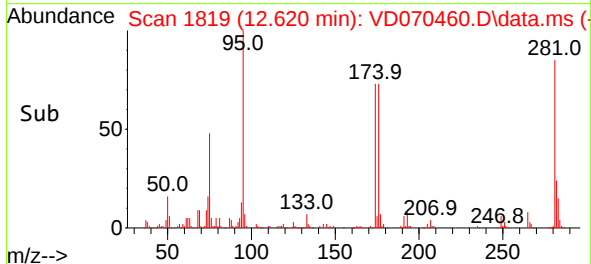
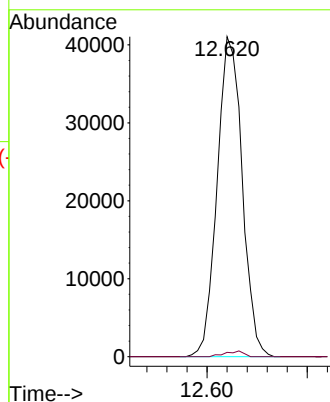
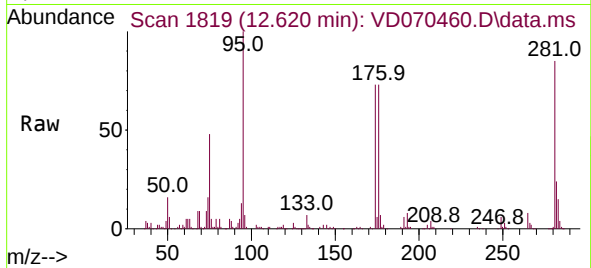




#76
1,2,3-Trichloropropane
Concen: 37.670 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070460.D
Acq: 24 Sep 2021 17:44

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 71124
Ion Ratio Lower Upper
75 100
77 1.3 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.386 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070460.D
Acq: 24 Sep 2021 17:44

Tgt Ion: 75 Resp: 71124
Ion Ratio Lower Upper
75 100
53 0.1 64.2 96.2#
89 1.2 35.6 53.4#

