

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092121\
 Data File : VD070401.D
 Acq On : 21 Sep 2021 13:46
 Operator : VA/SY
 Sample : M3798-06RE
 Misc : 6.21G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 22 01:47:14 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)

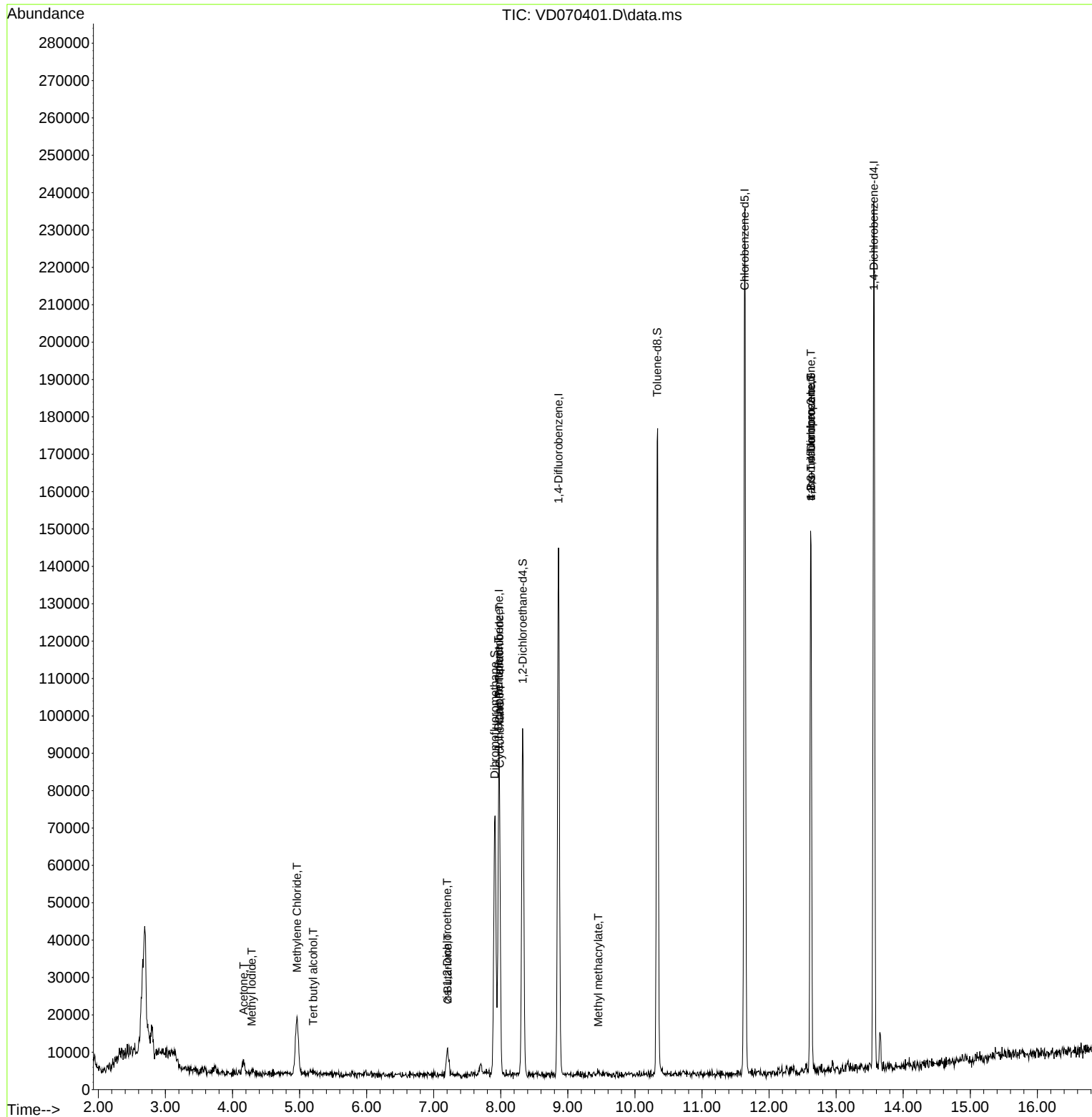
Internal Standards						
1) Pentafluorobenzene	7.973	168	61058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	118983	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	137318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	62640	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	73789	94.119	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 188.240%#	
35) Dibromofluoromethane	7.908	113	52915	62.478	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 124.960%	
50) Toluene-d8	10.332	98	124897	40.617	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 81.240%	
62) 4-Bromofluorobenzene	12.626	95	49259	45.836	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.680%	
Target Compounds						Qvalue
3) Chloromethane	2.215	50	1140	Below Cal	#	72
5) Bromomethane	2.726	94	2317	Below Cal	#	74
6) Chloroethane	2.909	64	267	Below Cal	#	43
10) Methyl Iodide	4.285	142	626	1.840	ug/l #	88
11) Tert butyl alcohol	5.203	59	391	4.411	ug/l #	100
16) Acetone	4.167	43	5530	39.508	ug/l #	70
20) Methylene Chloride	4.962	84	12376	8.102	ug/l	90
25) 2-Butanone	7.208	43	472	2.533	ug/l #	47
27) cis-1,2-Dichloroethene	7.203	96	3857	4.243	ug/l	99
31) Cyclohexane	7.985	56	1448	1.072	ug/l #	57
36) 1,1-Dichloropropene	7.967	75	5479	4.308	ug/l #	44
38) Carbon Tetrachloride	7.979	117	6665	5.299	ug/l #	18
48) Methyl methacrylate	9.455	41	839	2.067	ug/l	84
76) 1,2,3-Trichloropropane	12.626	75	22974	36.259	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	22974	90.850	ug/l #	18

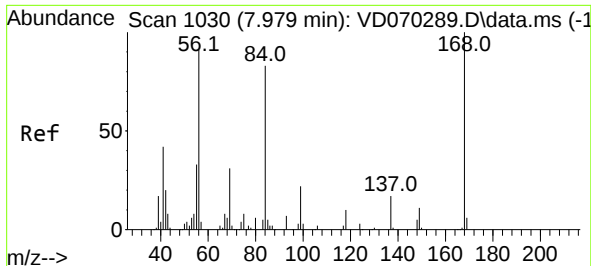
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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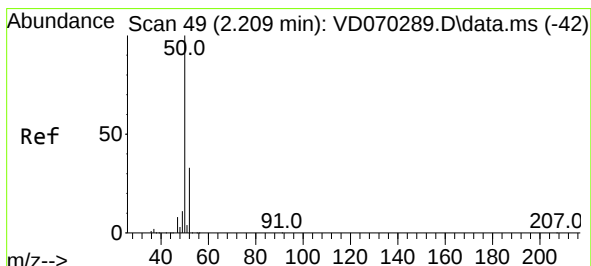
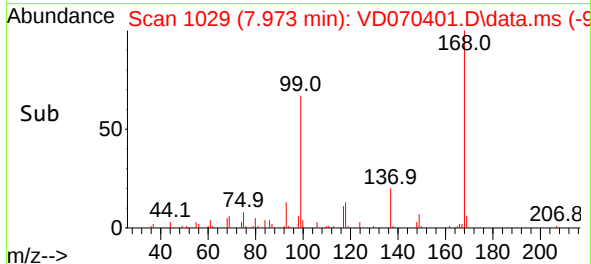
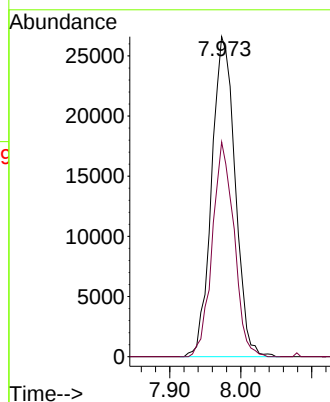
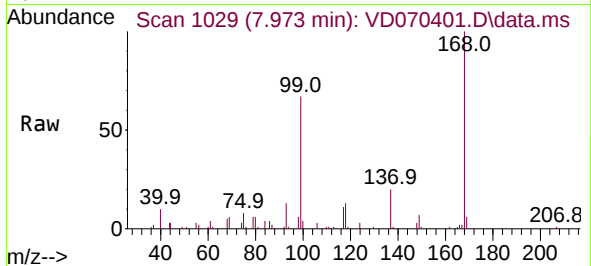




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070401.D
Acq: 21 Sep 2021 13:46

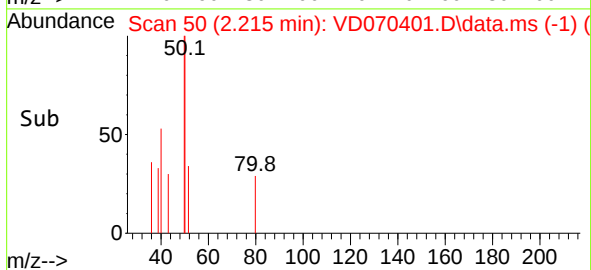
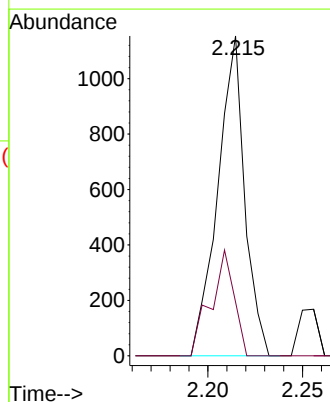
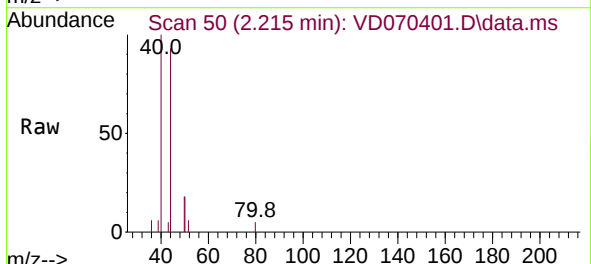
Instrument :
MSVOA_D
ClientSampled :

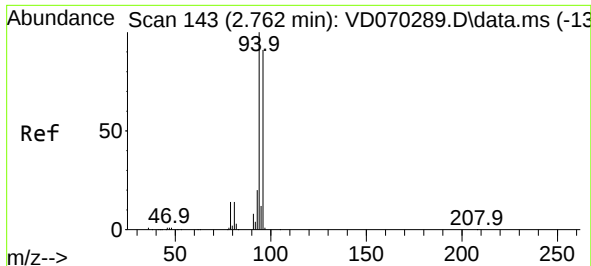
Tgt Ion:168 Resp: 61058
Ion Ratio Lower Upper
168 100
99 67.1 50.8 76.2



#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070401.D
Acq: 21 Sep 2021 13:46

Tgt Ion: 50 Resp: 1140
Ion Ratio Lower Upper
50 100
52 16.8 26.2 39.2#

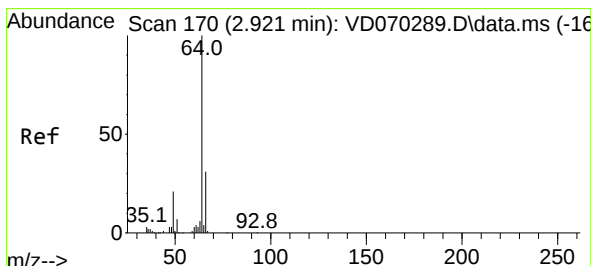
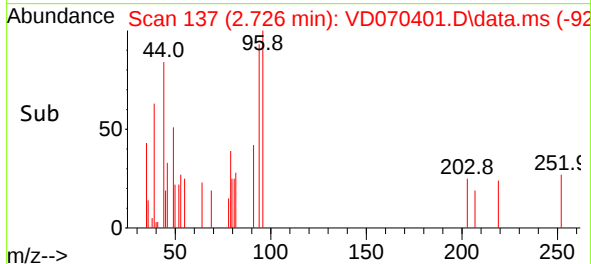
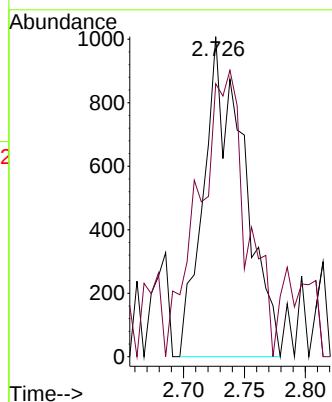
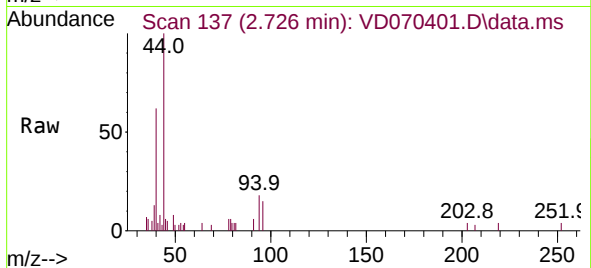




#5
Bromomethane
Concen: Below Cal
RT: 2.726 min Scan# 137
Delta R.T. -0.036 min
Lab File: VD070401.D
Acq: 21 Sep 2021 13:46

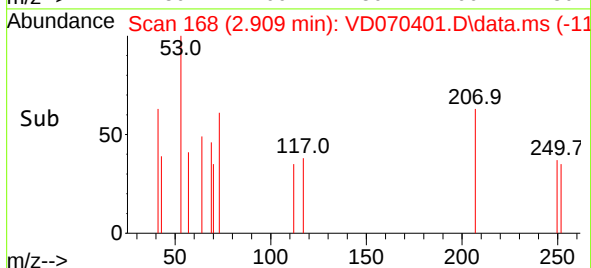
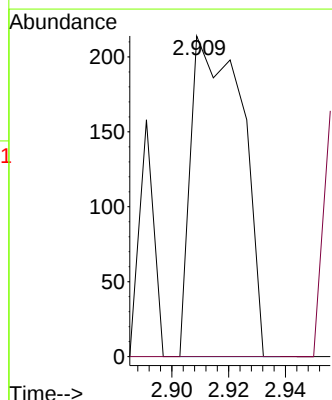
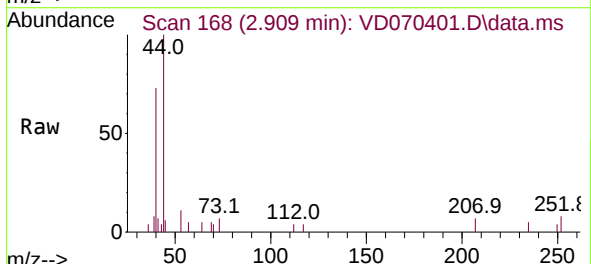
Instrument :
MSVOA_D
ClientSampled :

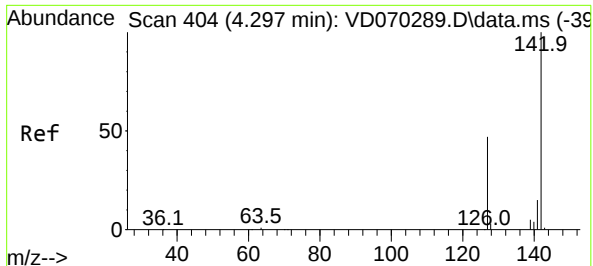
Tgt Ion: 94 Resp: 2317
Ion Ratio Lower Upper
94 100
96 66.5 73.0 109.6#



#6
Chloroethane
Concen: Below Cal
RT: 2.909 min Scan# 168
Delta R.T. -0.012 min
Lab File: VD070401.D
Acq: 21 Sep 2021 13:46

Tgt Ion: 64 Resp: 267
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

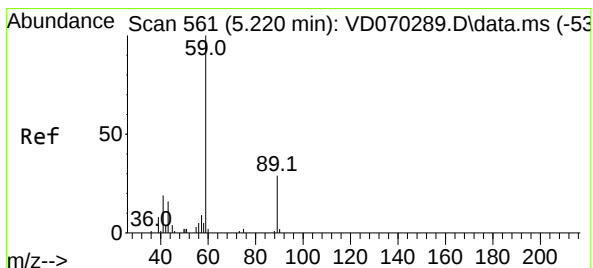
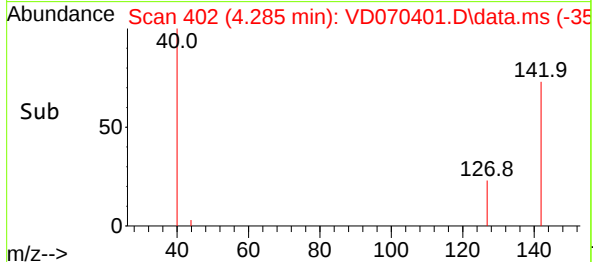
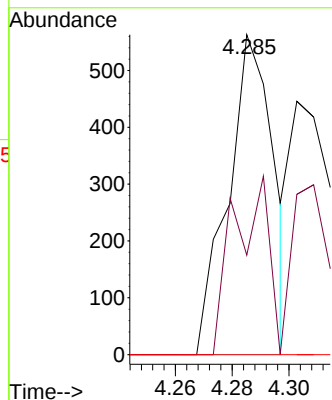
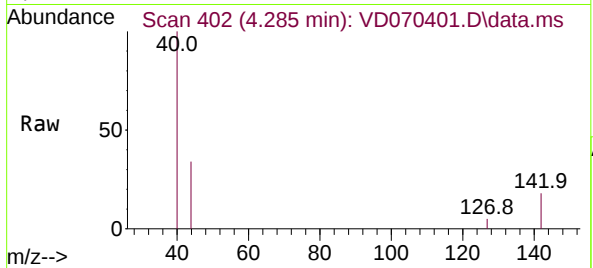




#10
Methyl Iodide
Concen: 1.840 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.012 min
Lab File: VD070401.D
Acq: 21 Sep 2021 13:46

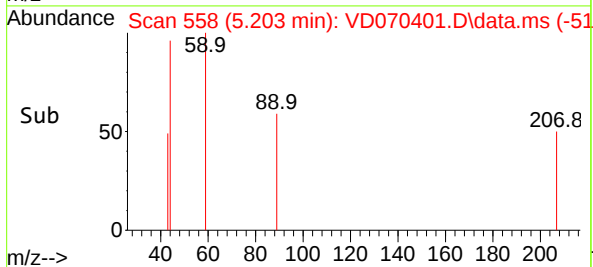
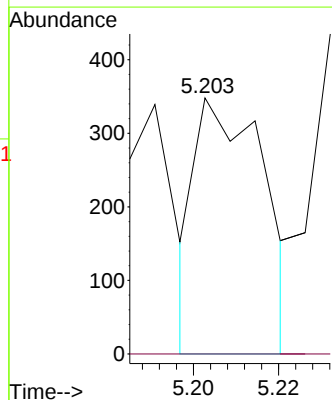
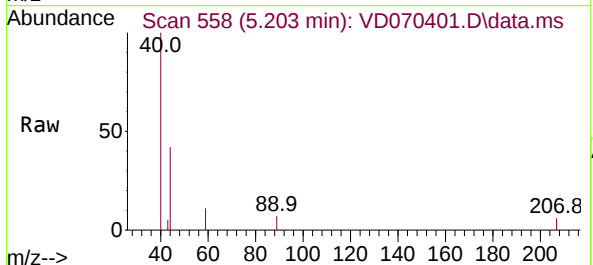
Instrument :
MSVOA_D
ClientSampled :

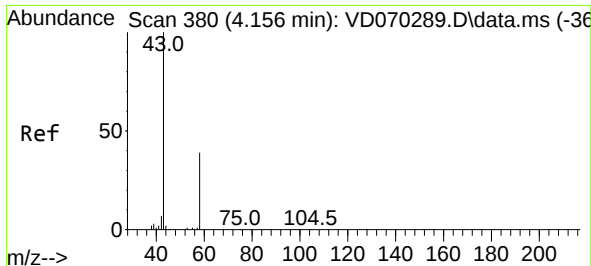
Tgt Ion:142 Resp: 626
Ion Ratio Lower Upper
142 100
127 43.1 36.9 55.3
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: 4.411 ug/l
RT: 5.203 min Scan# 558
Delta R.T. -0.017 min
Lab File: VD070401.D
Acq: 21 Sep 2021 13:46

Tgt Ion: 59 Resp: 391
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

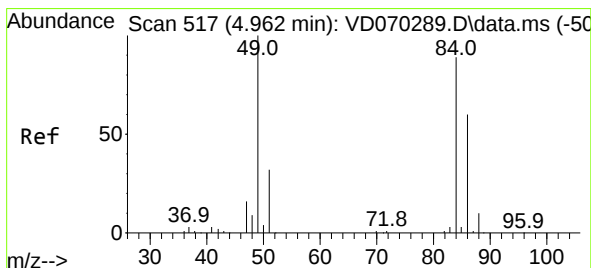
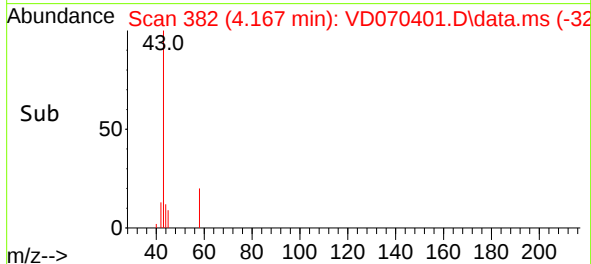
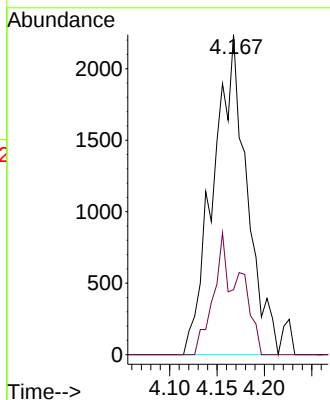
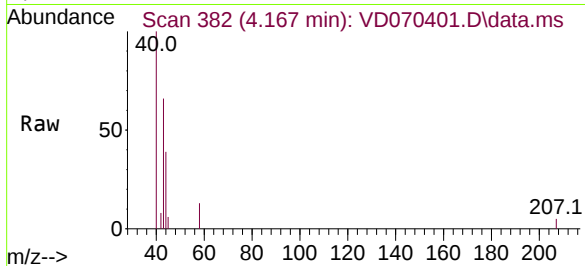




#16
Acetone
Concen: 39.508 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070401.D
Acq: 21 Sep 2021 13:46

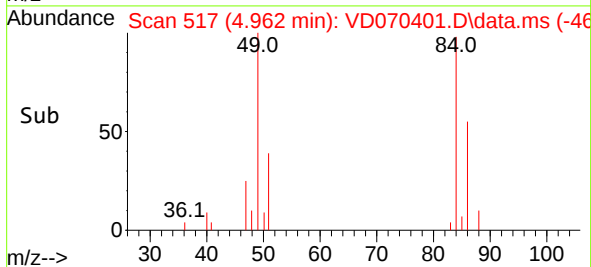
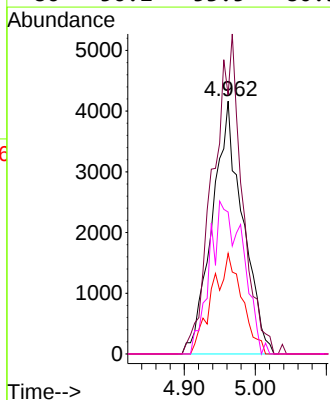
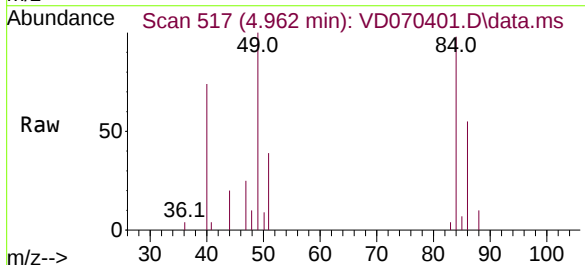
Instrument :
MSVOA_D
ClientSampled :

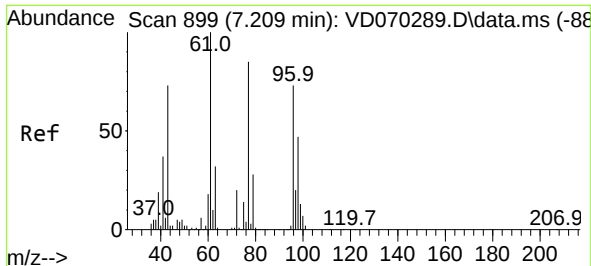
Tgt Ion: 43 Resp: 5530
Ion Ratio Lower Upper
43 100
58 20.3 30.9 46.3#



#20
Methylene Chloride
Concen: 8.102 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070401.D
Acq: 21 Sep 2021 13:46

Tgt Ion: 84 Resp: 12376
Ion Ratio Lower Upper
84 100
49 102.4 89.6 134.4
51 39.8 28.6 43.0
86 56.2 53.5 80.3

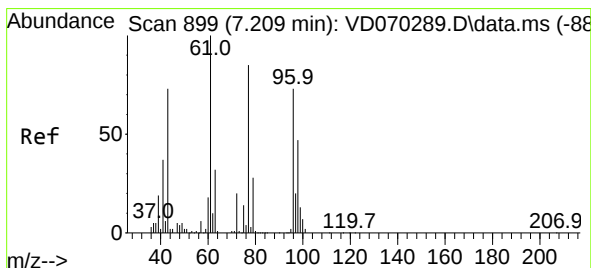
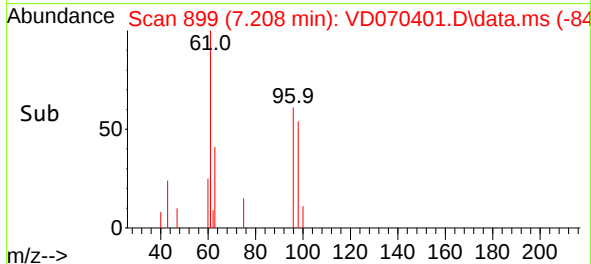
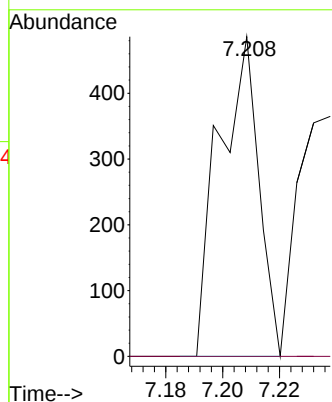
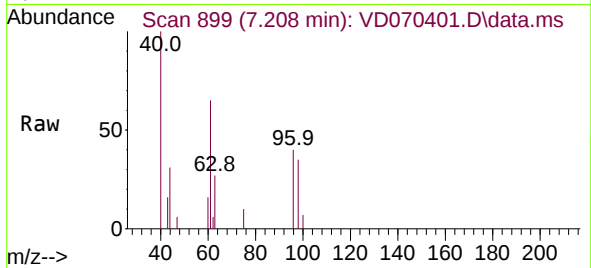




#25
2-Butanone
Concen: 2.533 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD070401.D
Acq: 21 Sep 2021 13:46

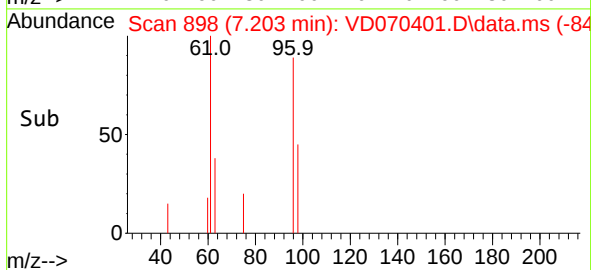
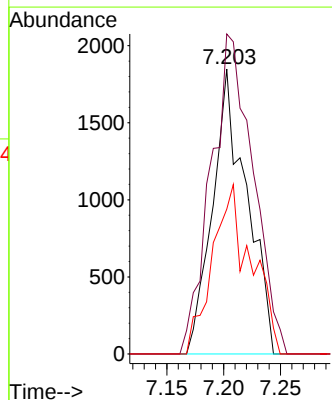
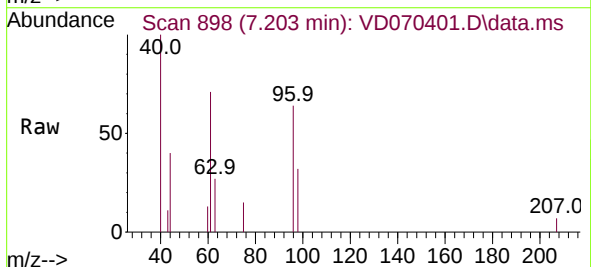
Instrument :
MSVOA_D
ClientSampled :

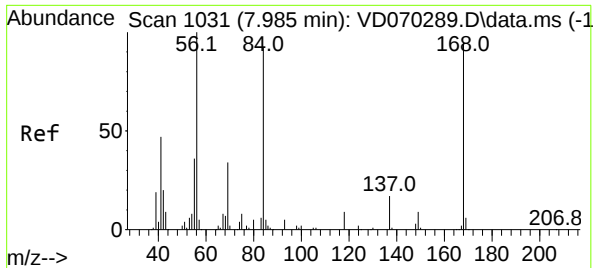
Tgt Ion: 43 Resp: 472
Ion Ratio Lower Upper
43 100
72 0.0 22.2 33.4#



#27
cis-1,2-Dichloroethene
Concen: 4.243 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD070401.D
Acq: 21 Sep 2021 13:46

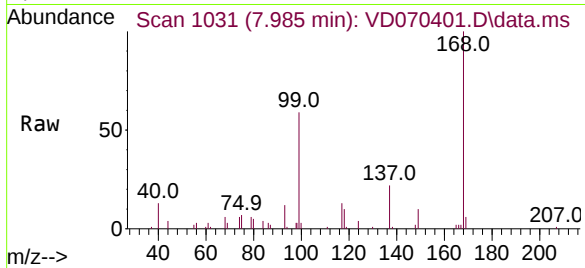
Tgt Ion: 96 Resp: 3857
Ion Ratio Lower Upper
96 100
61 138.8 0.0 277.4
98 67.8 0.0 130.0



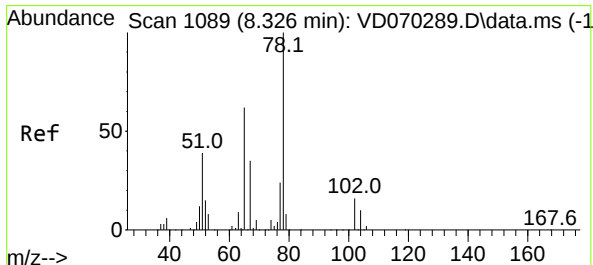
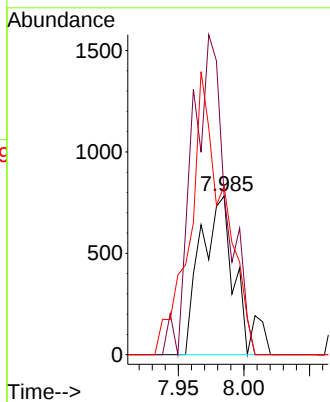
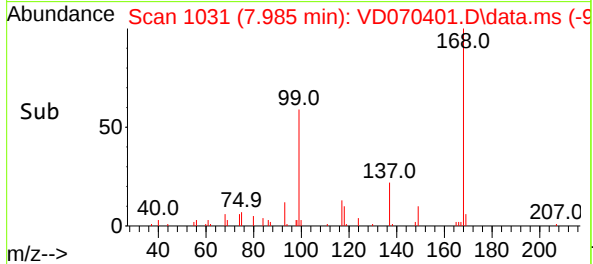


#31
Cyclohexane
Concen: 1.072 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD070401.D
Acq: 21 Sep 2021 13:46

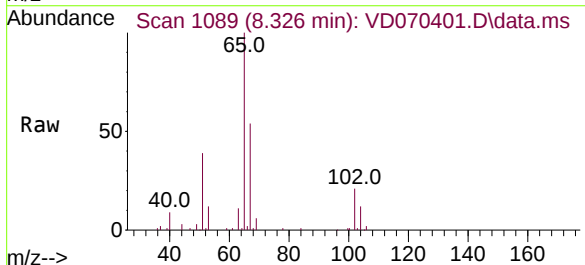
Instrument :
MSVOA_D
ClientSampled :



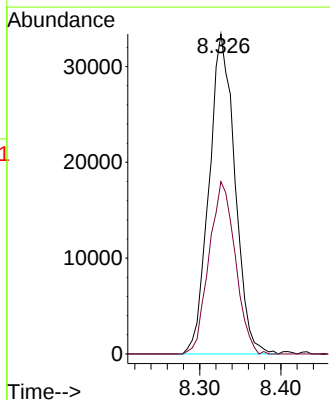
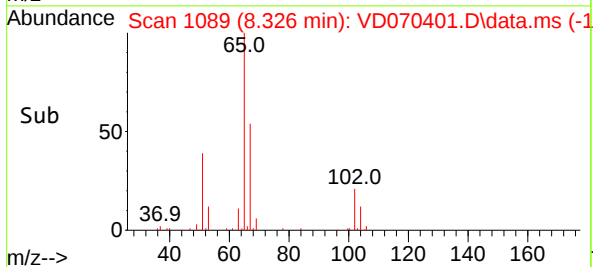
Tgt Ion: 56 Resp: 1448
Ion Ratio Lower Upper
56 100
69 100.5 26.9 40.3#
84 106.8 73.6 110.4

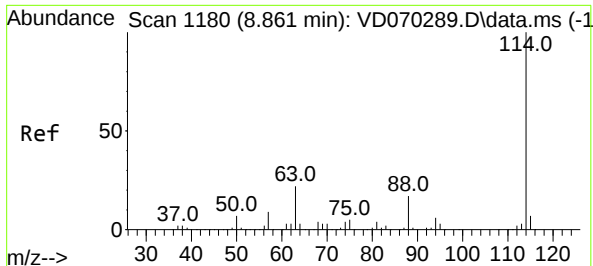


#33
1,2-Dichloroethane-d4
Concen: 94.119 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070401.D
Acq: 21 Sep 2021 13:46



Tgt Ion: 65 Resp: 73789
Ion Ratio Lower Upper
65 100
67 54.7 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: VD070401.D

Acq: 21 Sep 2021 13:46

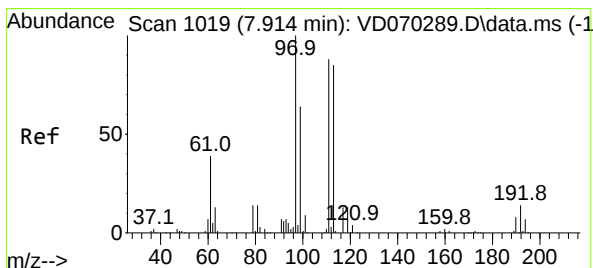
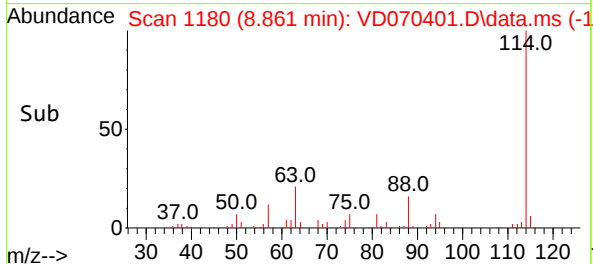
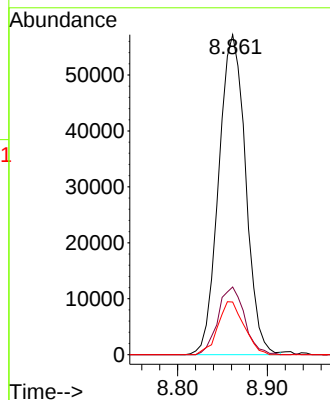
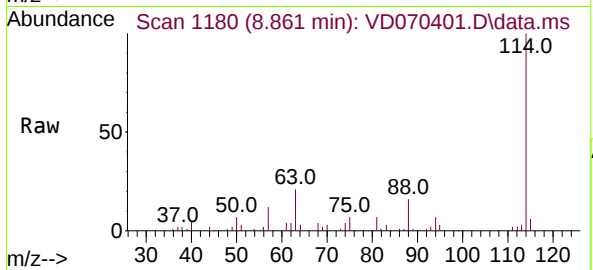
Tgt Ion:114 Resp: 118983

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.4

88 16.5 0.0 33.4



#35

Dibromofluoromethane

Concen: 62.478 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070401.D

Acq: 21 Sep 2021 13:46

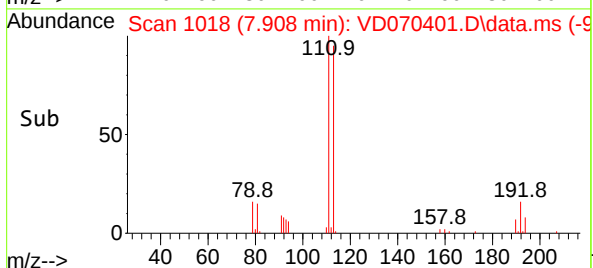
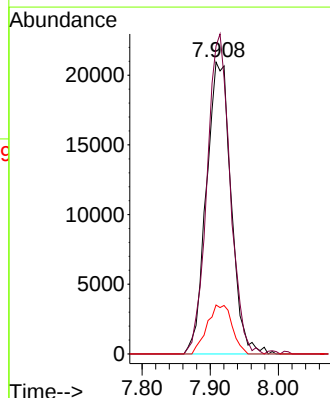
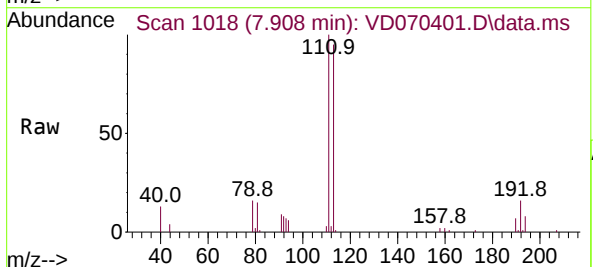
Tgt Ion:113 Resp: 52915

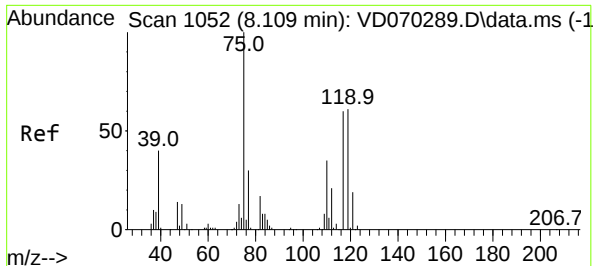
Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.2

192 16.9 13.0 19.6

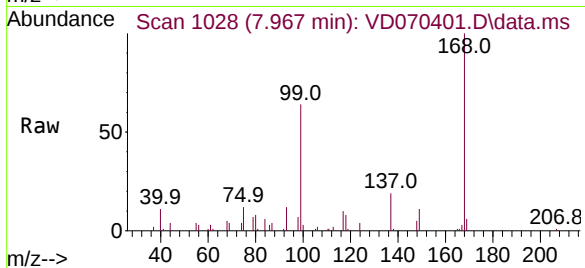




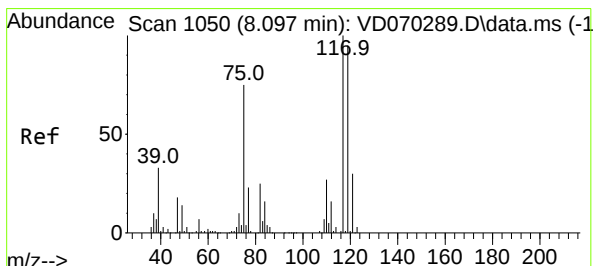
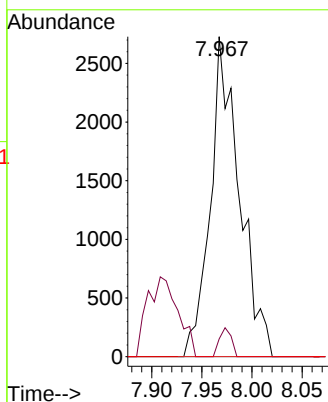
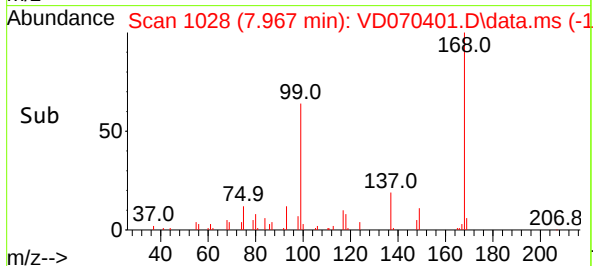
#36

1,1-Dichloropropene
Concen: 4.308 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.141 min
Lab File: VD070401.D
Acq: 21 Sep 2021 13:46

Instrument :
MSVOA_D
ClientSampled :

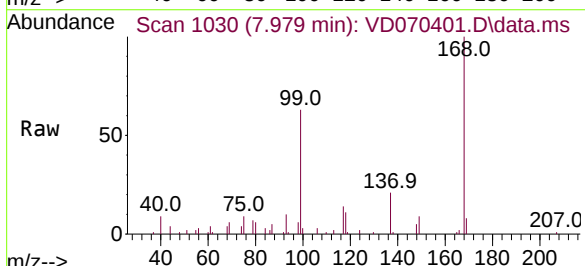


Tgt Ion: 75	Resp: 5479
Ion Ratio	Lower Upper
75 100	
110 3.7	17.9 53.7#
77 0.0	25.3 37.9#

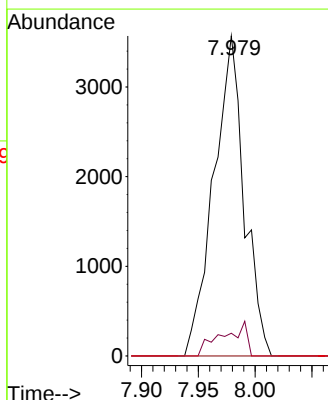
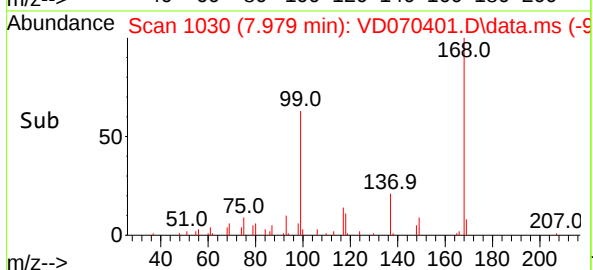


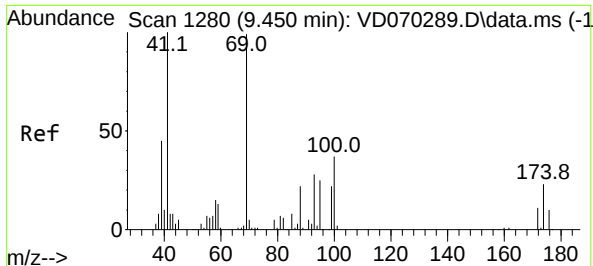
#38

Carbon Tetrachloride
Concen: 5.299 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070401.D
Acq: 21 Sep 2021 13:46



Tgt Ion: 117	Resp: 6665
Ion Ratio	Lower Upper
117 100	
119 7.1	76.1 114.1#
121 0.0	23.8 35.6#





#48

Methyl methacrylate

Concen: 2.067 ug/l

RT: 9.455 min Scan# 1281

Delta R.T. 0.006 min

Lab File: VD070401.D

Acq: 21 Sep 2021 13:46

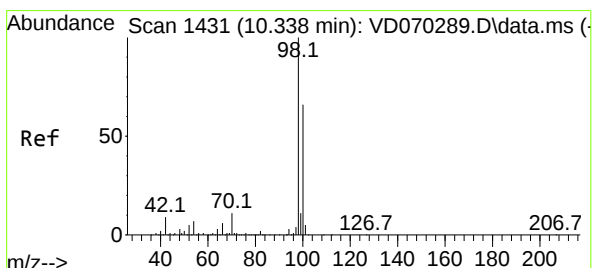
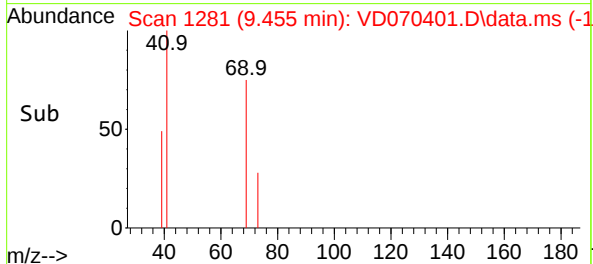
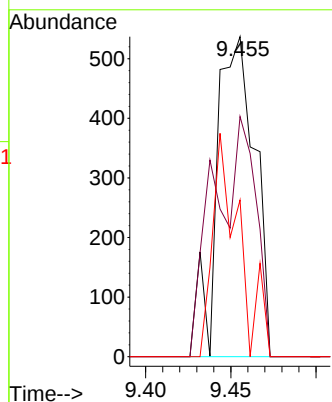
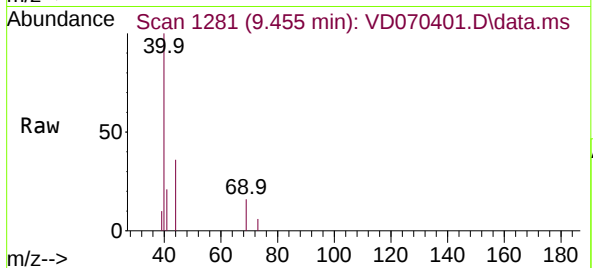
Tgt Ion: 41 Resp: 839

Ion Ratio Lower Upper

41 100

69 81.0 79.8 119.8

39 48.2 34.4 51.6



#50

Toluene-d8

Concen: 40.617 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD070401.D

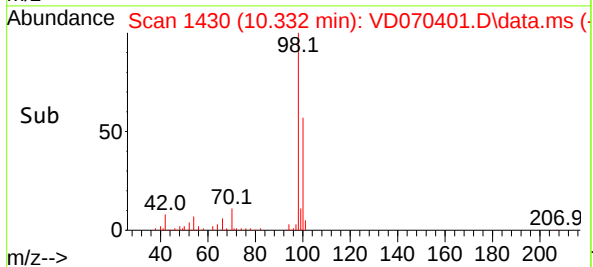
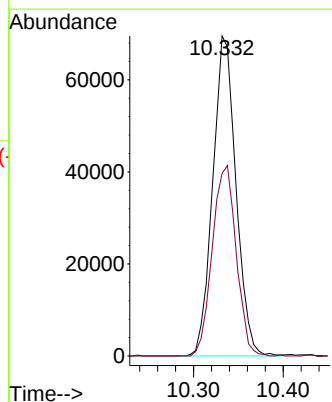
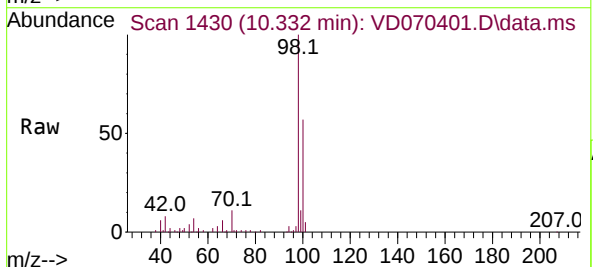
Acq: 21 Sep 2021 13:46

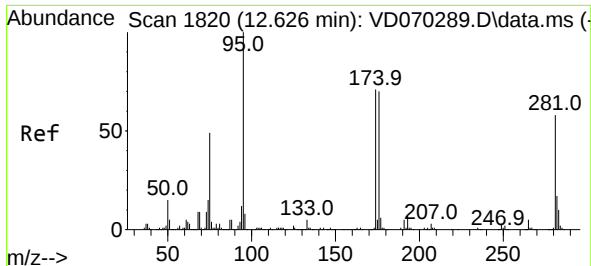
Tgt Ion: 98 Resp: 124897

Ion Ratio Lower Upper

98 100

100 61.2 52.0 78.0

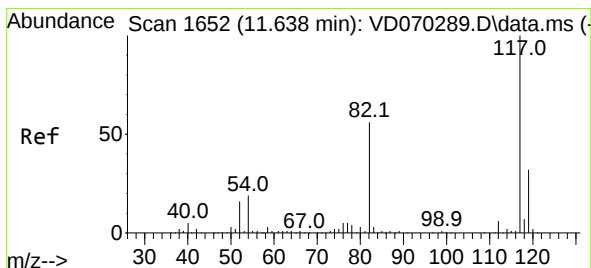
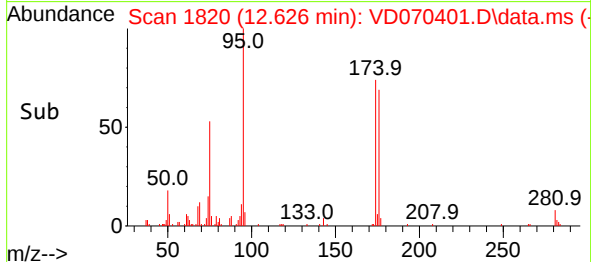
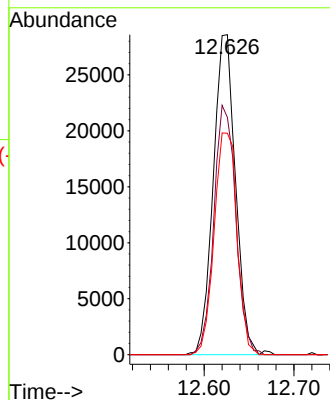
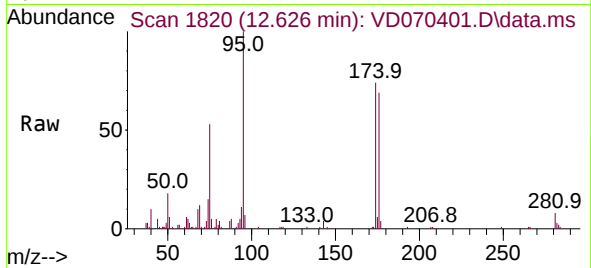




#62
4-Bromofluorobenzene
Concen: 45.836 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070401.D
Acq: 21 Sep 2021 13:46

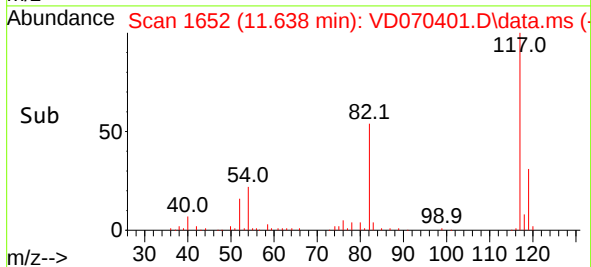
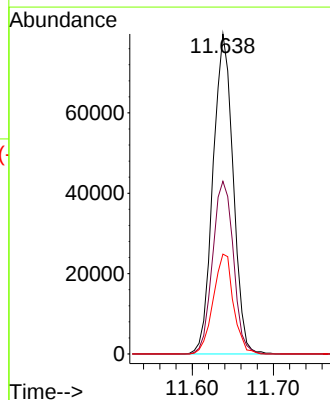
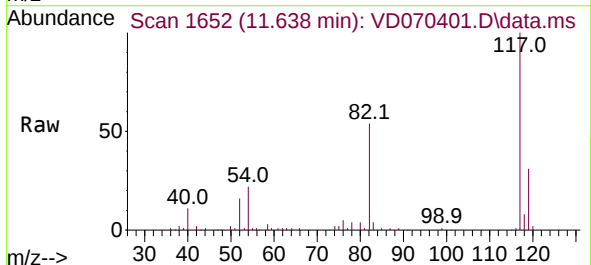
Instrument :
MSVOA_D
ClientSampleId :

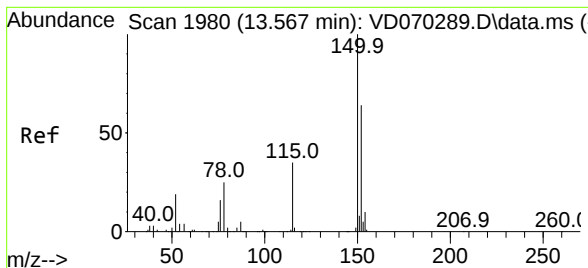
Tgt Ion: 95 Resp: 49259
Ion Ratio Lower Upper
95 100
174 76.6 0.0 140.6
176 71.1 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070401.D
Acq: 21 Sep 2021 13:46

Tgt Ion: 117 Resp: 137318
Ion Ratio Lower Upper
117 100
82 54.0 45.0 67.4
119 31.2 25.2 37.8

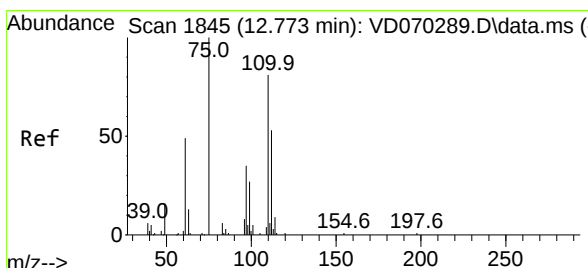
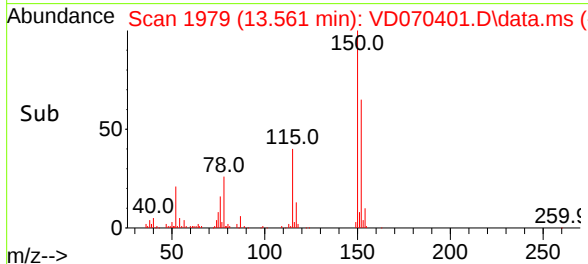
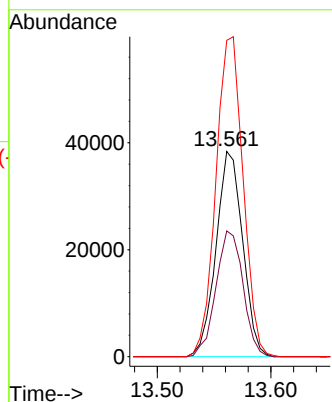
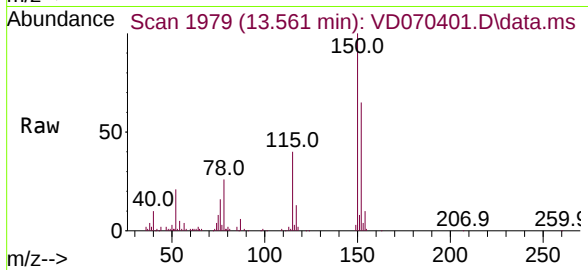




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. -0.006 min
 Lab File: VD070401.D
 Acq: 21 Sep 2021 13:46

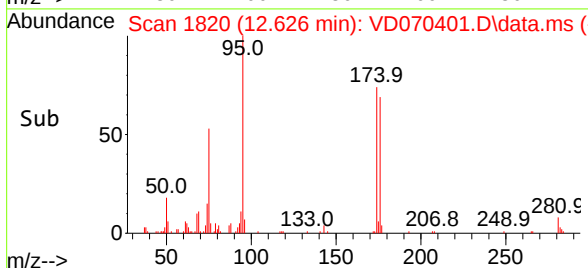
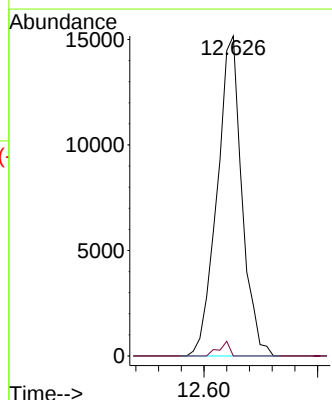
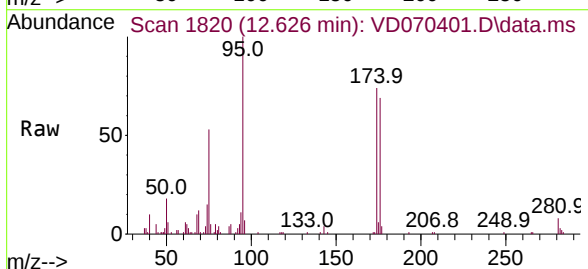
Instrument :
 MSVOA_D
 ClientSampled :

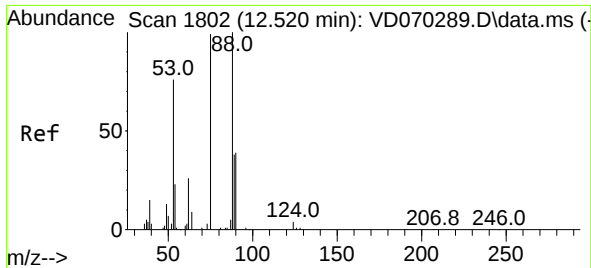
Tgt Ion:152 Resp: 62640
 Ion Ratio Lower Upper
 152 100
 115 62.2 32.1 96.3
 150 159.0 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 36.259 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070401.D
 Acq: 21 Sep 2021 13:46

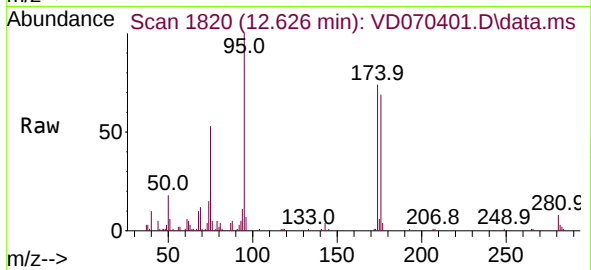
Tgt Ion: 75 Resp: 22974
 Ion Ratio Lower Upper
 75 100
 77 2.0 174.9 524.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.850 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070401.D
 Acq: 21 Sep 2021 13:46

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.6	64.2	96.2#
89	0.0	35.6	53.4#

