

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092121\
 Data File : VD070400.D
 Acq On : 21 Sep 2021 13:18
 Operator : VA/SY
 Sample : M3821-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 22 01:47:02 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)

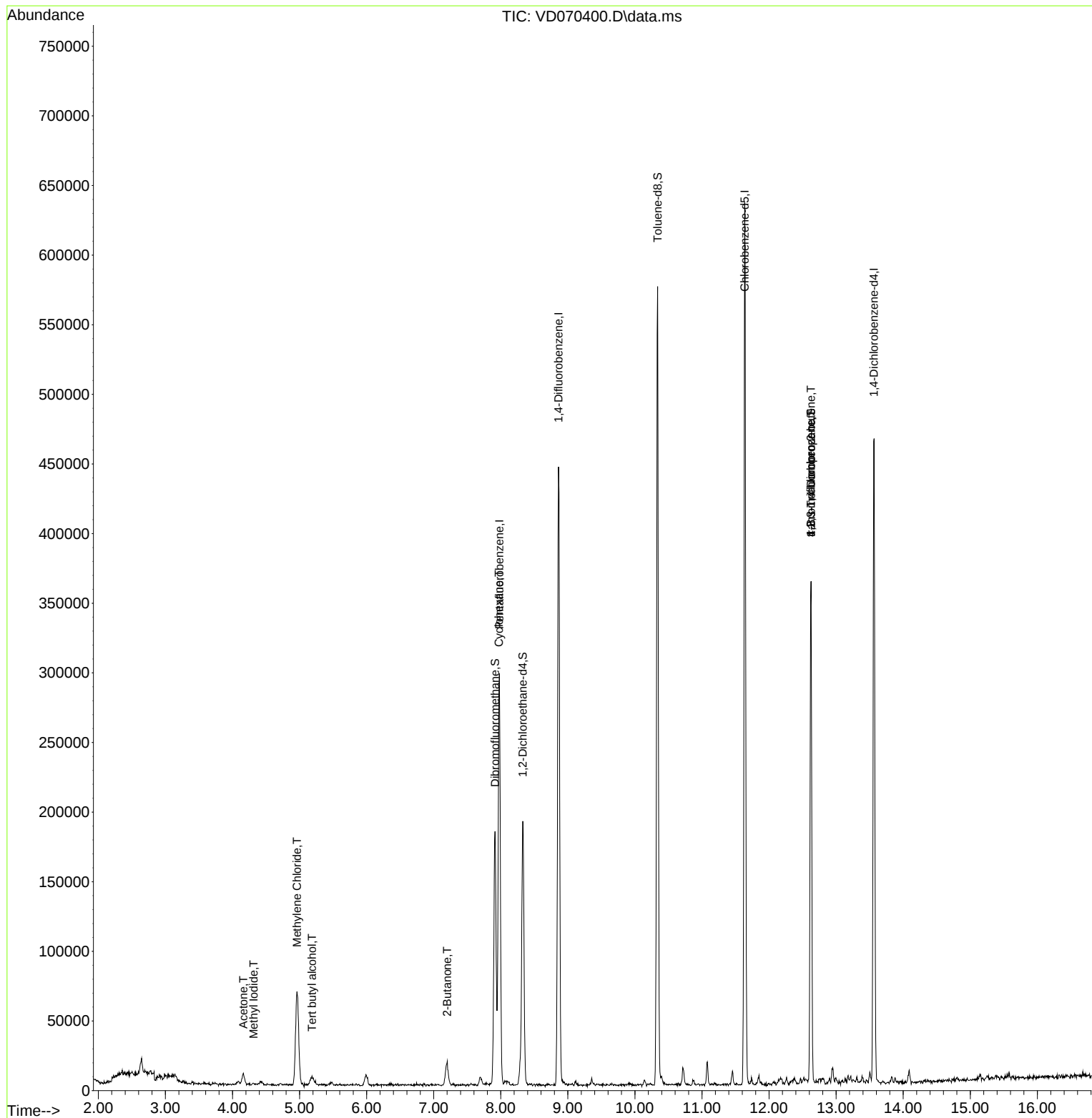
Internal Standards						
1) Pentafluorobenzene	7.979	168	205504	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	389530	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	367654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	126810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	153579	58.202	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.400%
35) Dibromofluoromethane	7.914	113	136220	49.129	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.260%
50) Toluene-d8	10.337	98	388719	38.613	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	77.220%
62) 4-Bromofluorobenzene	12.625	95	120246	34.177	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	68.360%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	897	Below Cal		97
3) Chloromethane	2.208	50	1919	Below Cal		96
5) Bromomethane	2.779	94	2172	Below Cal		99
6) Chloroethane	2.914	64	605	Below Cal	#	45
10) Methyl Iodide	4.314	142	1560	1.630	ug/l #	74
11) Tert butyl alcohol	5.185	59	5746	19.259	ug/l #	100
16) Acetone	4.161	43	13679	29.036	ug/l	92
18) Methyl Acetate	4.685	43	67	Below Cal	#	48
20) Methylene Chloride	4.961	84	55887	13.775	ug/l	94
25) 2-Butanone	7.202	43	2856	4.554	ug/l	99
31) Cyclohexane	7.973	56	6355	1.398	ug/l #	14
76) 1,2,3-Trichloropropane	12.625	75	59580	46.449	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.625	75	59580	116.382	ug/l #	17

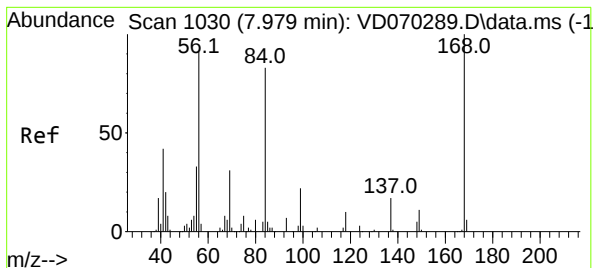
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD070400.D

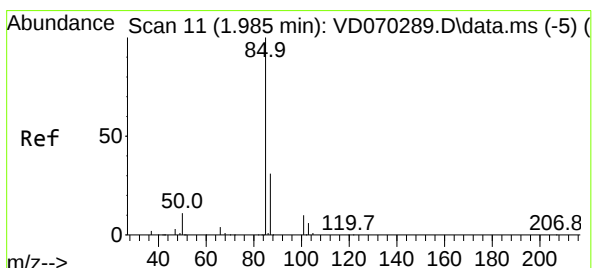
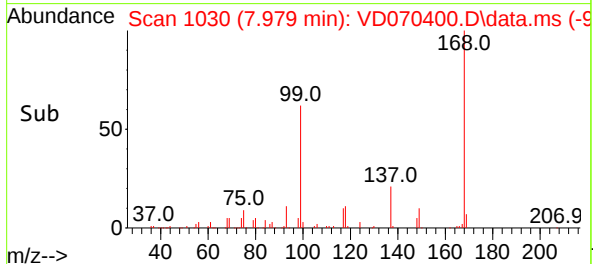
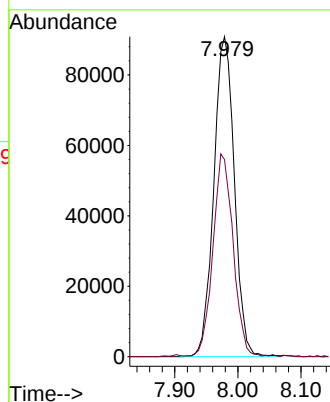
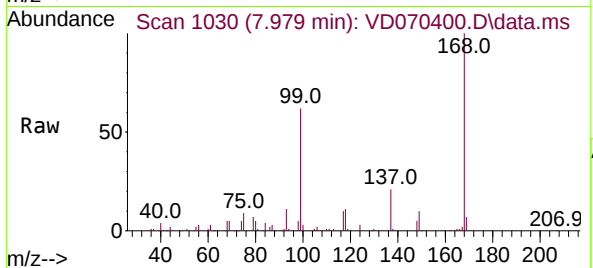
Acq: 21 Sep 2021 13:18

Tgt Ion:168 Resp: 205504

Ion Ratio Lower Upper

168 100

99 61.6 50.8 76.2



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.985 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD070400.D

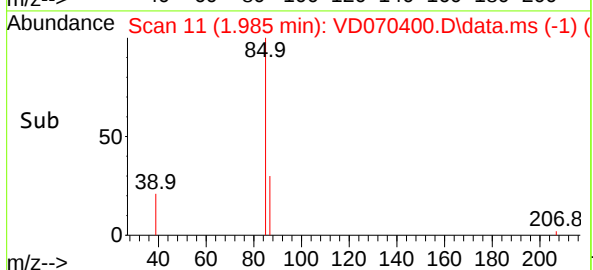
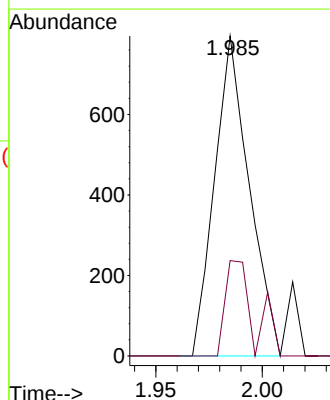
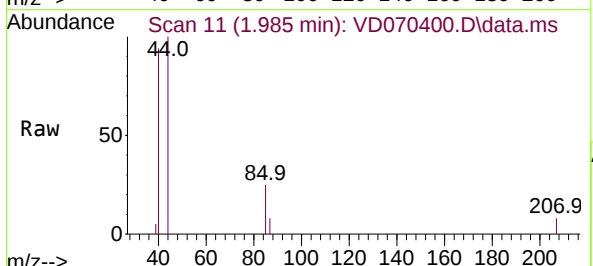
Acq: 21 Sep 2021 13:18

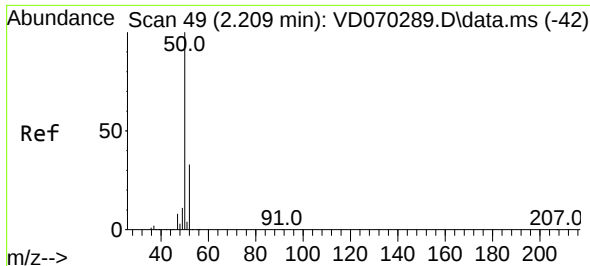
Tgt Ion: 85 Resp: 897

Ion Ratio Lower Upper

85 100

87 29.8 15.6 46.8

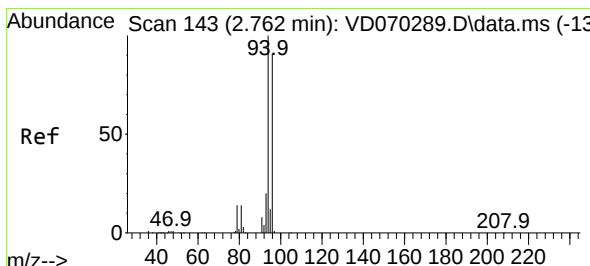
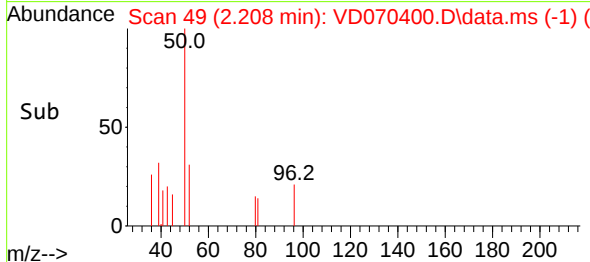
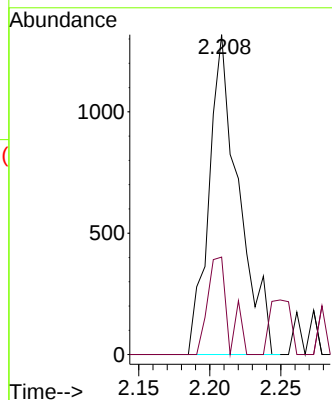
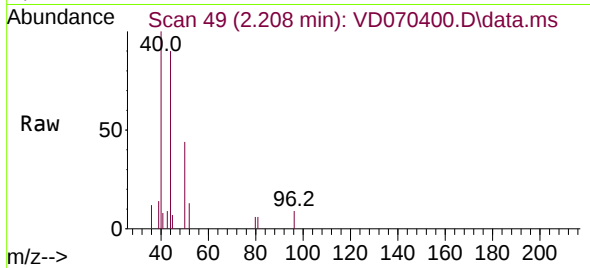




#3
Chloromethane
Concen: Below Cal
RT: 2.208 min Scan# 49
Delta R.T. -0.001 min
Lab File: VD070400.D
Acq: 21 Sep 2021 13:18

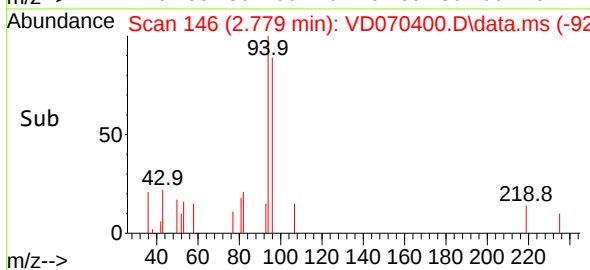
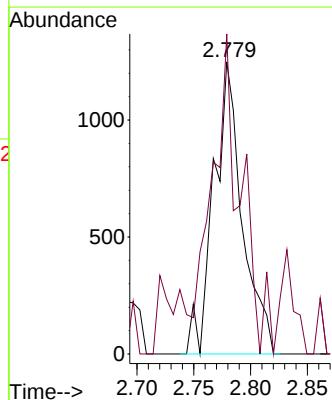
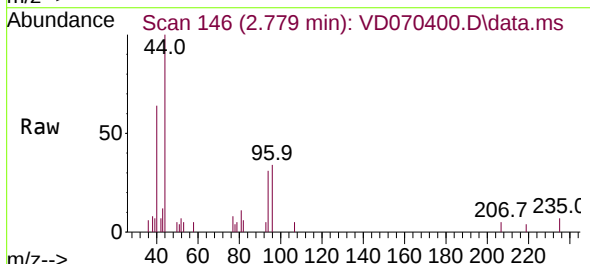
Instrument :
MSVOA_D
ClientSampled :

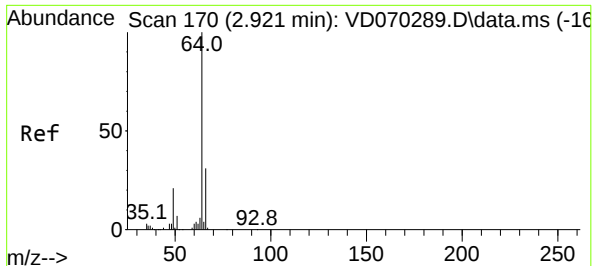
Tgt Ion: 50 Resp: 1919
Ion Ratio Lower Upper
50 100
52 30.5 26.2 39.2



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070400.D
Acq: 21 Sep 2021 13:18

Tgt Ion: 94 Resp: 2172
Ion Ratio Lower Upper
94 100
96 90.2 73.0 109.6

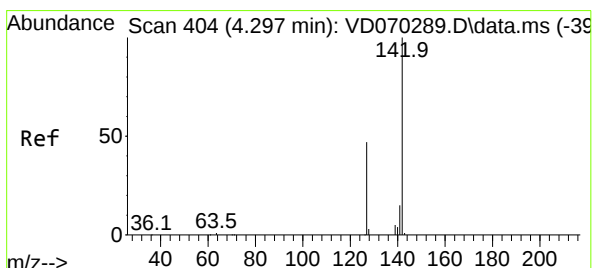
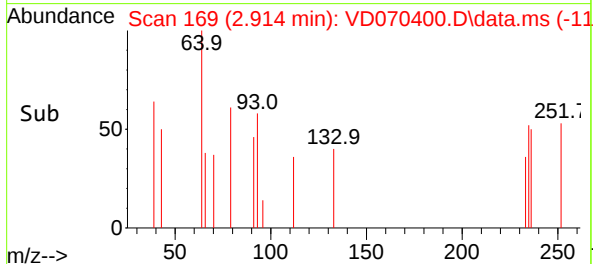
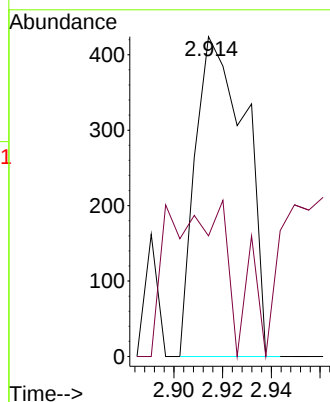
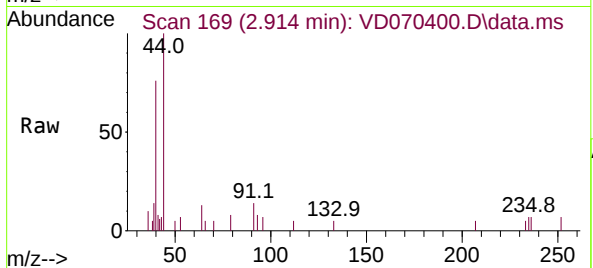




#6
Chloroethane
Concen: Below Cal
RT: 2.914 min Scan# 169
Delta R.T. -0.007 min
Lab File: VD070400.D
Acq: 21 Sep 2021 13:18

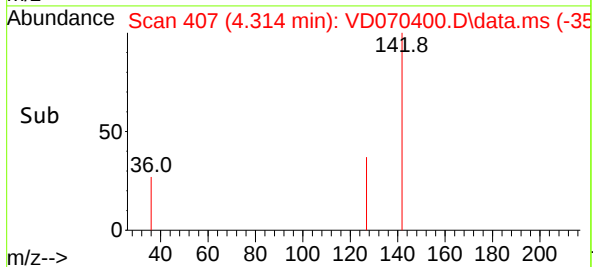
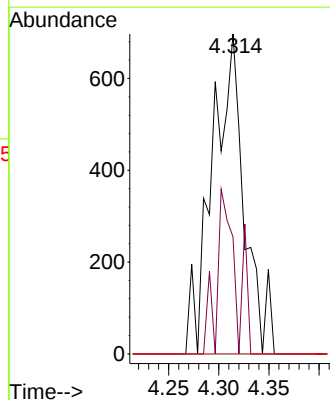
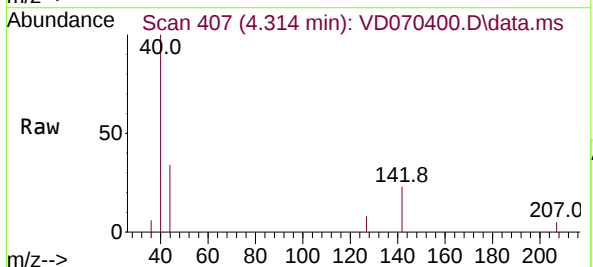
Instrument :
MSVOA_D
ClientSampleId :

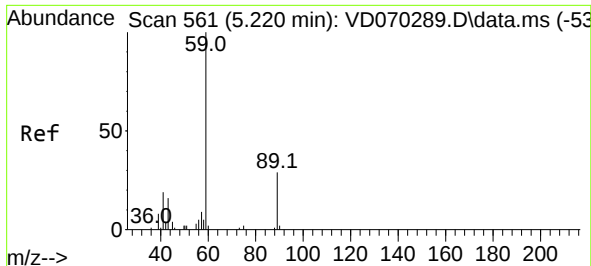
Tgt Ion: 64 Resp: 605
Ion Ratio Lower Upper
64 100
66 0.9 25.0 37.4#



#10
Methyl Iodide
Concen: 1.630 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.017 min
Lab File: VD070400.D
Acq: 21 Sep 2021 13:18

Tgt Ion:142 Resp: 1560
Ion Ratio Lower Upper
142 100
127 31.0 36.9 55.3#
141 0.0 11.8 17.6#

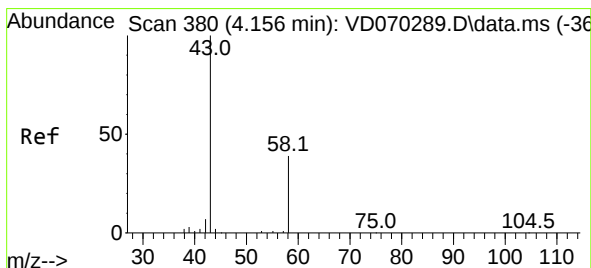
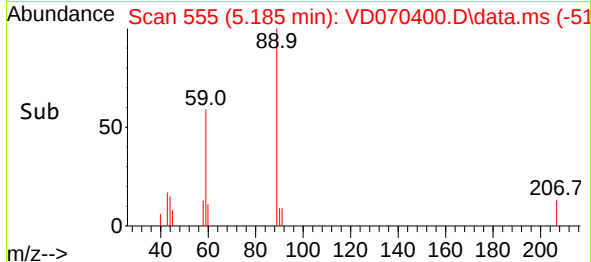
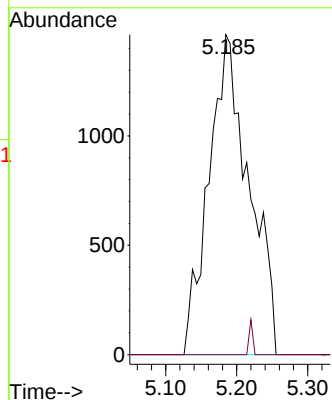
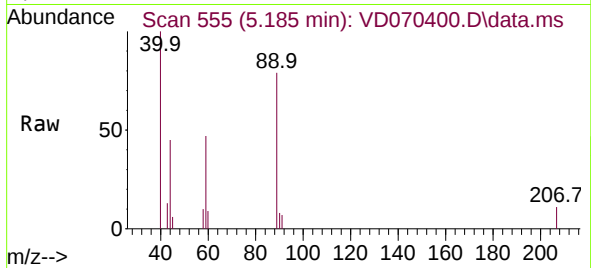




#11
Tert butyl alcohol
Concen: 19.259 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.035 min
Lab File: VD070400.D
Acq: 21 Sep 2021 13:18

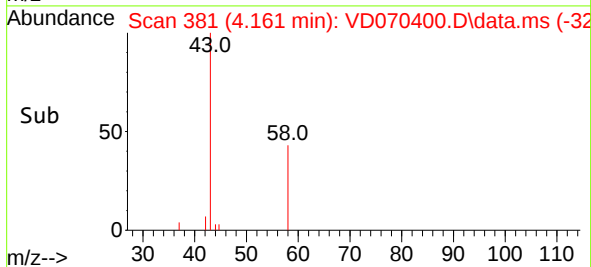
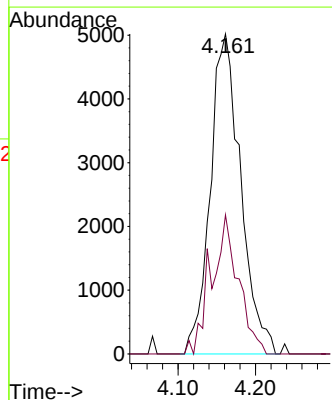
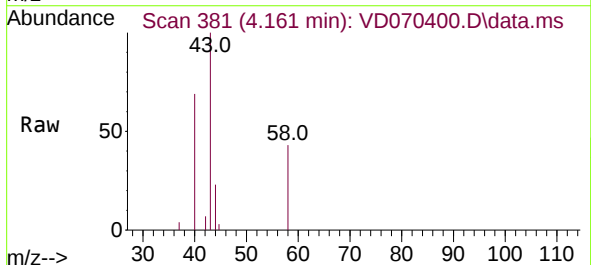
Instrument :
MSVOA_D
ClientSampled :

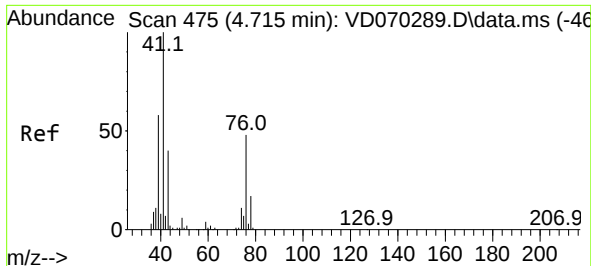
Tgt Ion: 59 Resp: 5746
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 29.036 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD070400.D
Acq: 21 Sep 2021 13:18

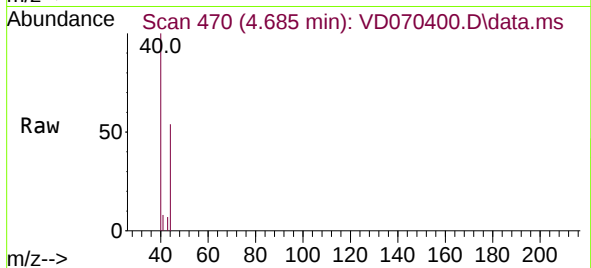
Tgt Ion: 43 Resp: 13679
Ion Ratio Lower Upper
43 100
58 43.4 30.9 46.3



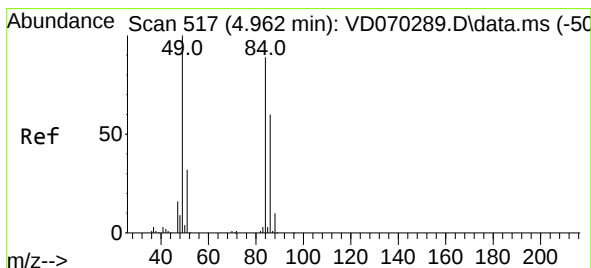
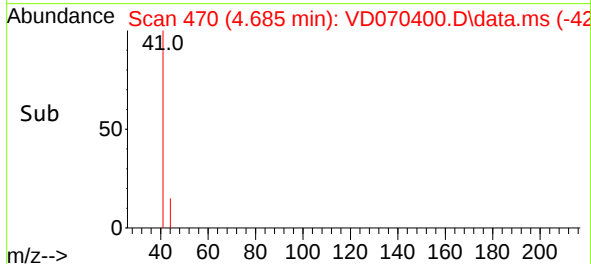
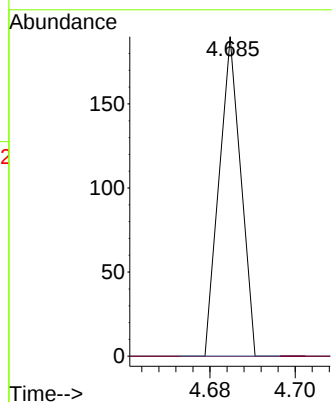


#18
Methyl Acetate
Concen: Below Cal
RT: 4.685 min Scan# 470
Delta R.T. -0.030 min
Lab File: VD070400.D
Acq: 21 Sep 2021 13:18

Instrument :
MSVOA_D
ClientSampled :

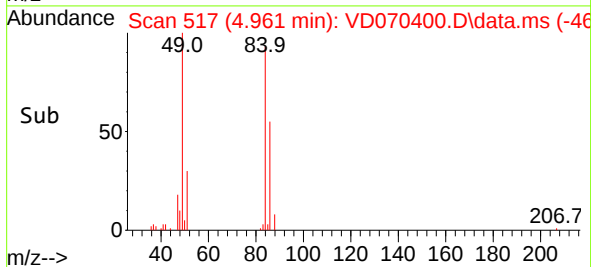
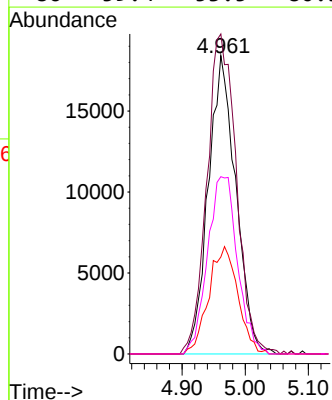
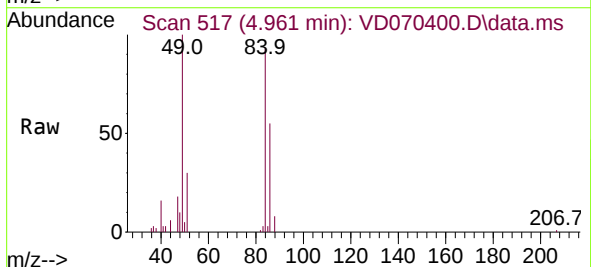


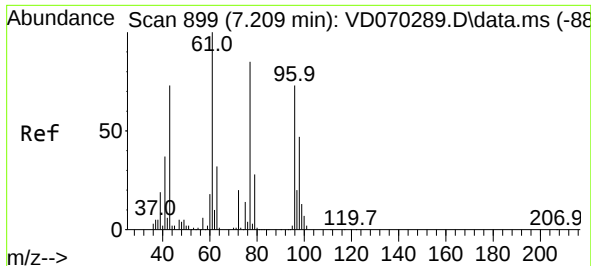
Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#20
Methylene Chloride
Concen: 13.775 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070400.D
Acq: 21 Sep 2021 13:18

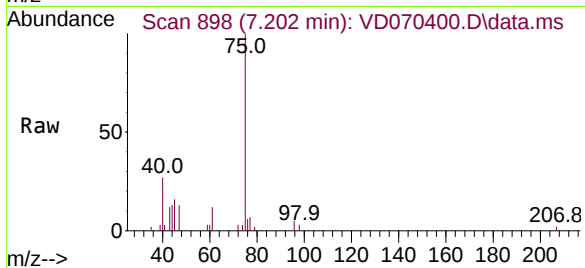
Tgt Ion: 84 Resp: 55887
Ion Ratio Lower Upper
84 100
49 107.3 89.6 134.4
51 32.5 28.6 43.0
86 59.4 53.5 80.3



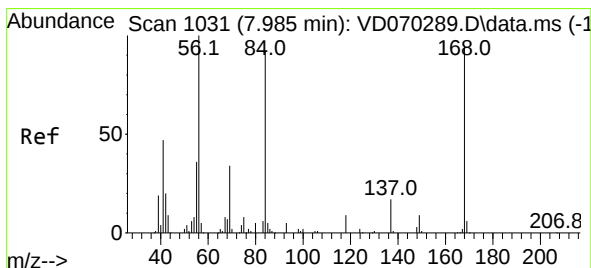
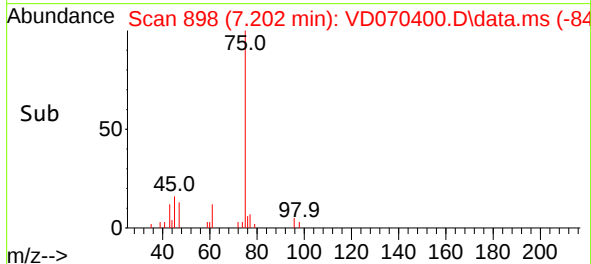
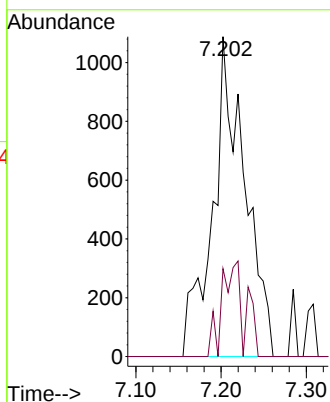


#25
2-Butanone
Concen: 4.554 ug/l
RT: 7.202 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD070400.D
Acq: 21 Sep 2021 13:18

Instrument :
MSVOA_D
ClientSampled :

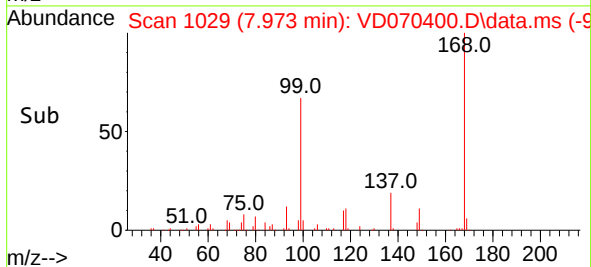
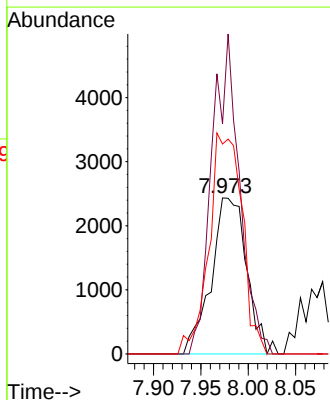
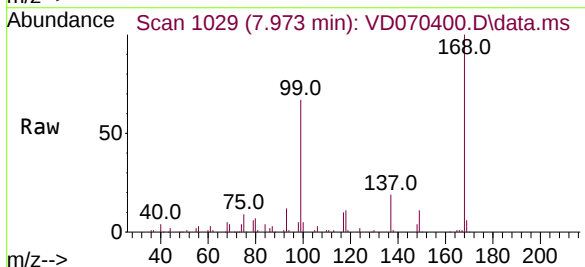


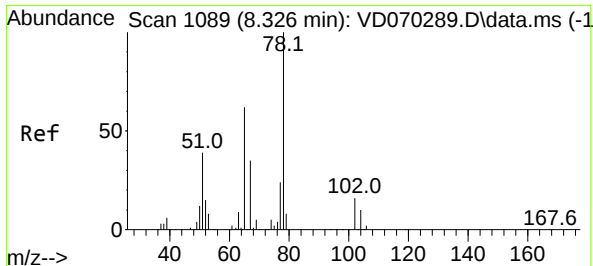
Tgt Ion: 43 Resp: 2856
Ion Ratio Lower Upper
43 100
72 27.5 22.2 33.4



#31
Cyclohexane
Concen: 1.398 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070400.D
Acq: 21 Sep 2021 13:18

Tgt Ion: 56 Resp: 6355
Ion Ratio Lower Upper
56 100
69 147.5 26.9 40.3#
84 134.6 73.6 110.4#

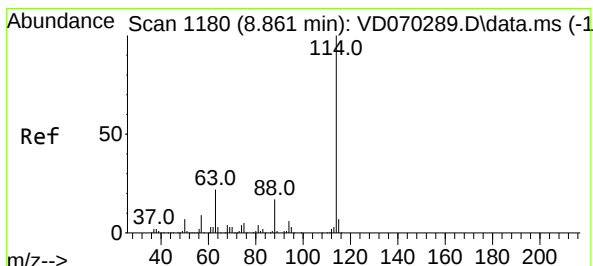
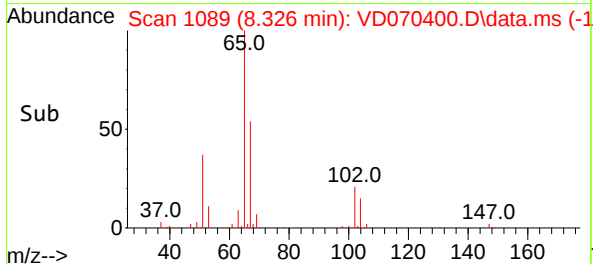
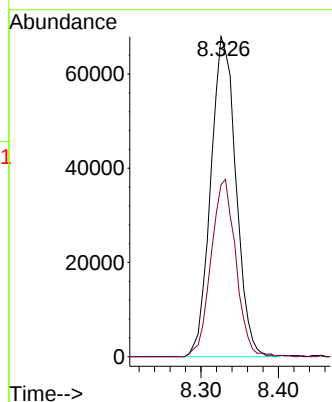
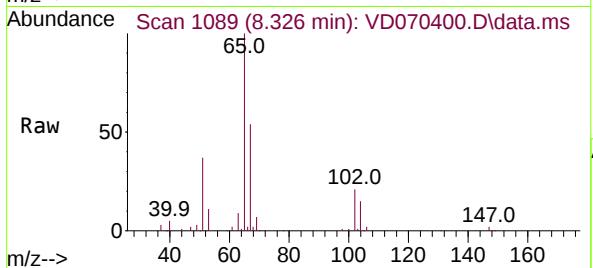




#33
1,2-Dichloroethane-d4
Concen: 58.202 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070400.D
Acq: 21 Sep 2021 13:18

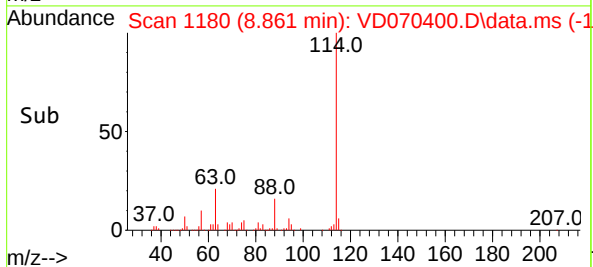
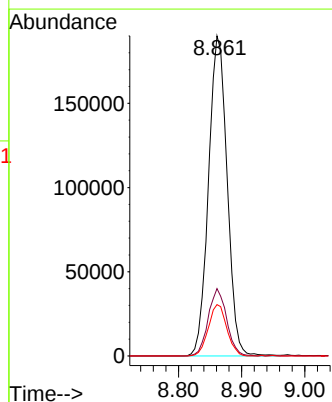
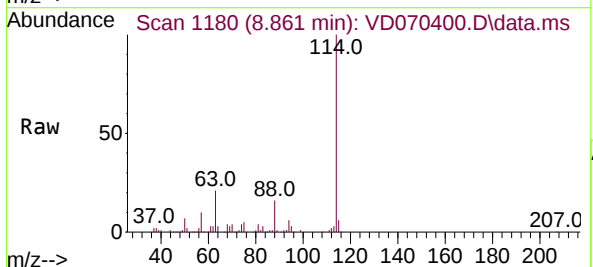
Instrument :
MSVOA_D
ClientSampled :

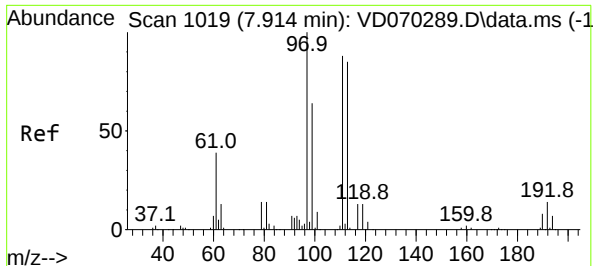
Tgt Ion: 65 Resp: 153579
Ion Ratio Lower Upper
65 100
67 54.2 0.0 111.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070400.D
Acq: 21 Sep 2021 13:18

Tgt Ion:114 Resp: 389530
Ion Ratio Lower Upper
114 100
63 21.0 0.0 43.4
88 16.1 0.0 33.4





#35

Dibromofluoromethane

Concen: 49.129 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070400.D

Acq: 21 Sep 2021 13:18

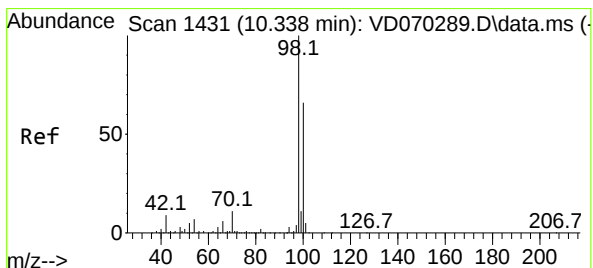
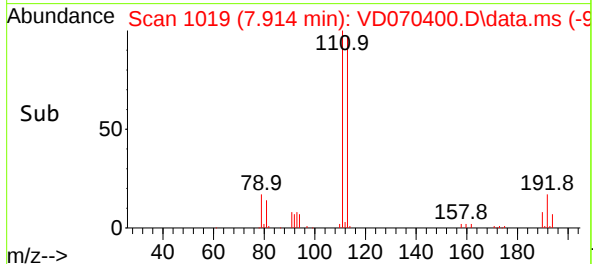
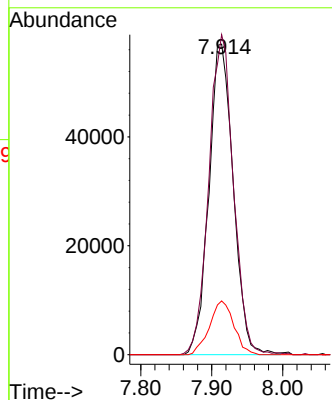
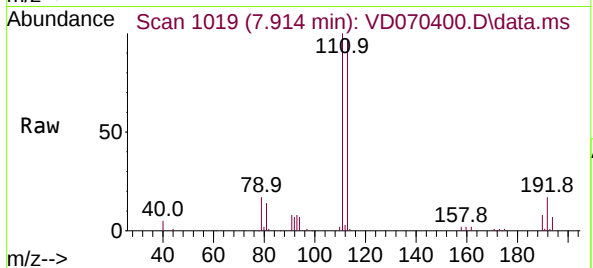
Tgt Ion:113 Resp: 136220

Ion Ratio Lower Upper

113 100

111 104.0 81.4 122.2

192 17.3 13.0 19.6



#50

Toluene-d8

Concen: 38.613 ug/l

RT: 10.337 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD070400.D

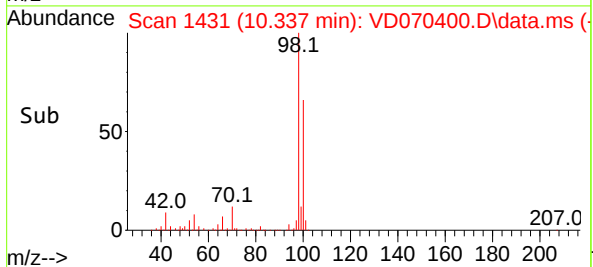
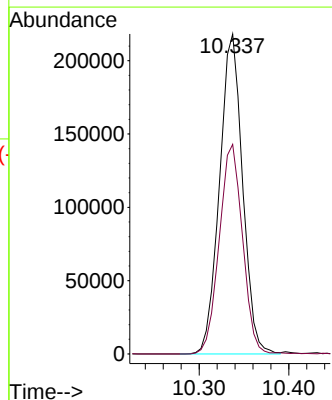
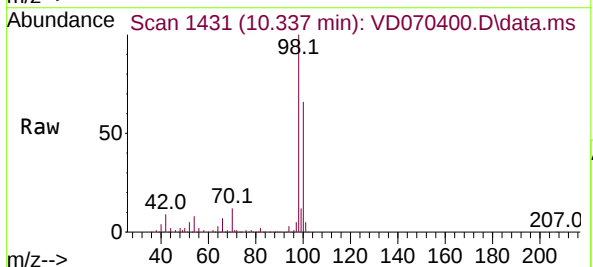
Acq: 21 Sep 2021 13:18

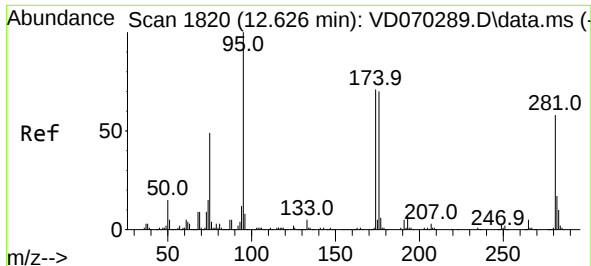
Tgt Ion: 98 Resp: 388719

Ion Ratio Lower Upper

98 100

100 66.3 52.0 78.0

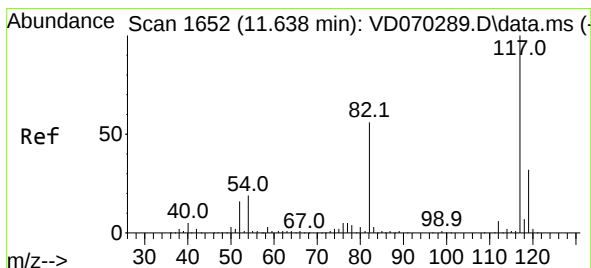
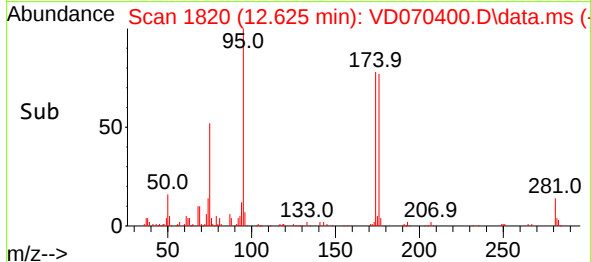
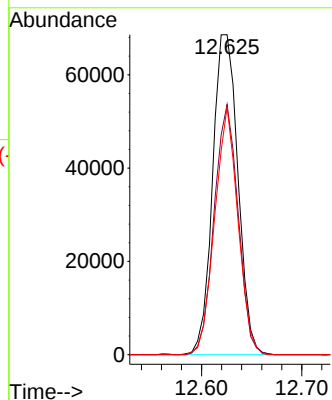
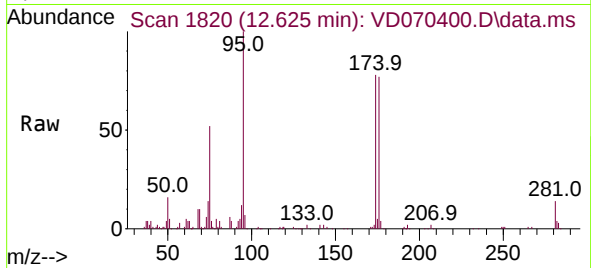




#62
4-Bromofluorobenzene
Concen: 34.177 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070400.D
Acq: 21 Sep 2021 13:18

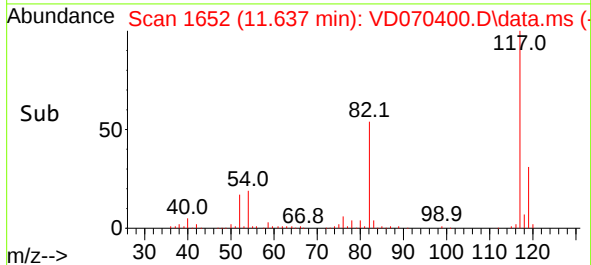
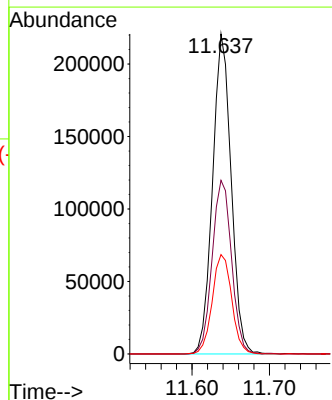
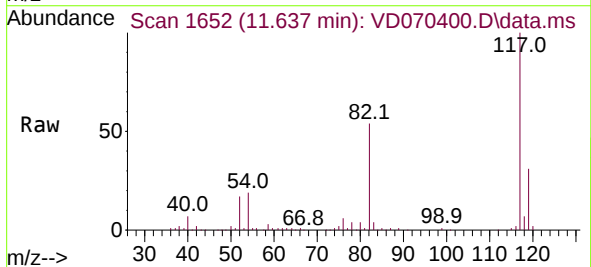
Instrument :
MSVOA_D
ClientSampleId :

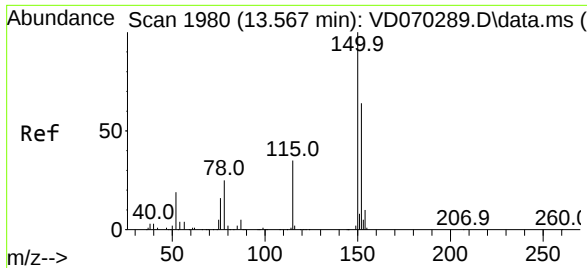
Tgt Ion: 95 Resp: 120246
Ion Ratio Lower Upper
95 100
174 74.1 0.0 140.6
176 70.9 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070400.D
Acq: 21 Sep 2021 13:18

Tgt Ion: 117 Resp: 367654
Ion Ratio Lower Upper
117 100
82 54.3 45.0 67.4
119 31.0 25.2 37.8

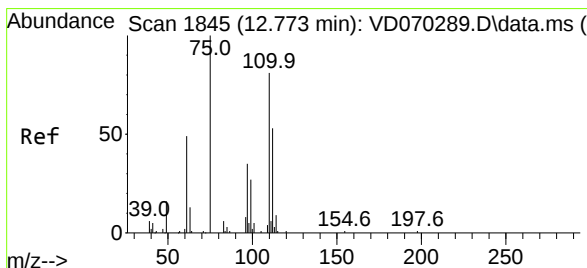
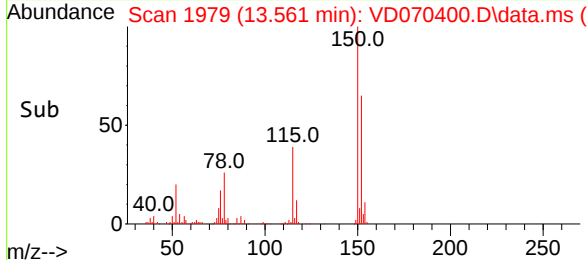
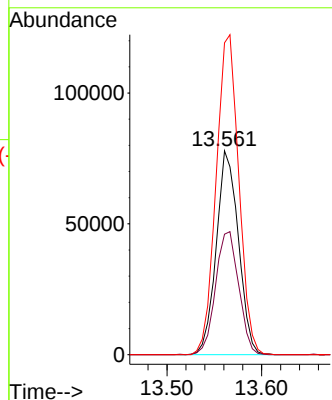
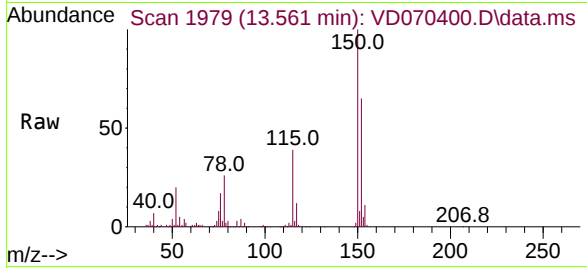




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070400.D
Acq: 21 Sep 2021 13:18

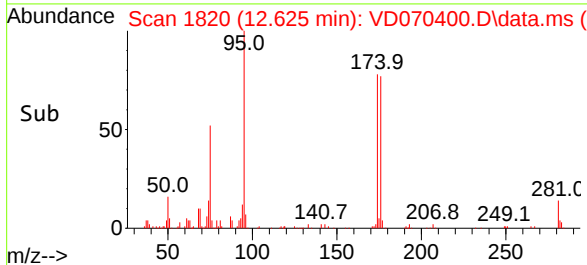
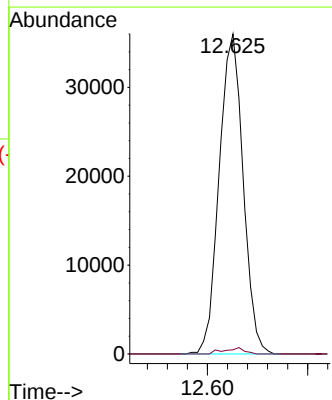
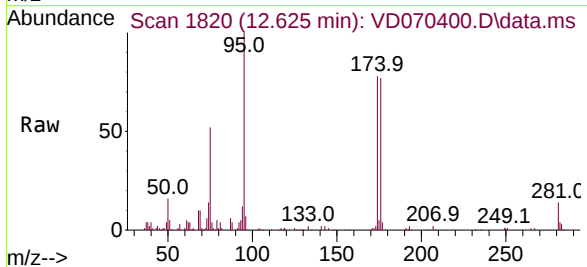
Instrument :
MSVOA_D
ClientSampled :

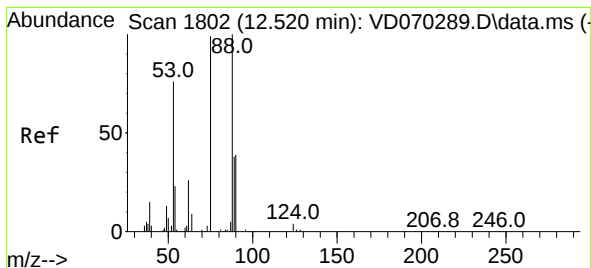
Tgt Ion:152 Resp: 126810
Ion Ratio Lower Upper
152 100
115 63.1 32.1 96.3
150 160.6 0.0 350.6



#76
1,2,3-Trichloropropane
Concen: 46.449 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.148 min
Lab File: VD070400.D
Acq: 21 Sep 2021 13:18

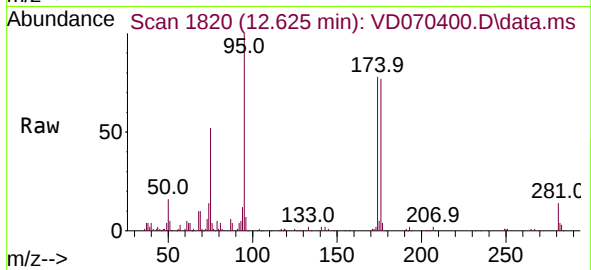
Tgt Ion: 75 Resp: 59580
Ion Ratio Lower Upper
75 100
77 1.7 174.9 524.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.382 ug/l
 RT: 12.625 min Scan# 1820
 Delta R.T. 0.105 min
 Lab File: VD070400.D
 Acq: 21 Sep 2021 13:18

Instrument :
 MSVOA_D
 ClientSampleId :



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

