

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110321\
 Data File : VD070905.D
 Acq On : 03 Nov 2021 12:42
 Operator : VA/SY
 Sample : M4470-01
 Misc : 6.21G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 03 22:09:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

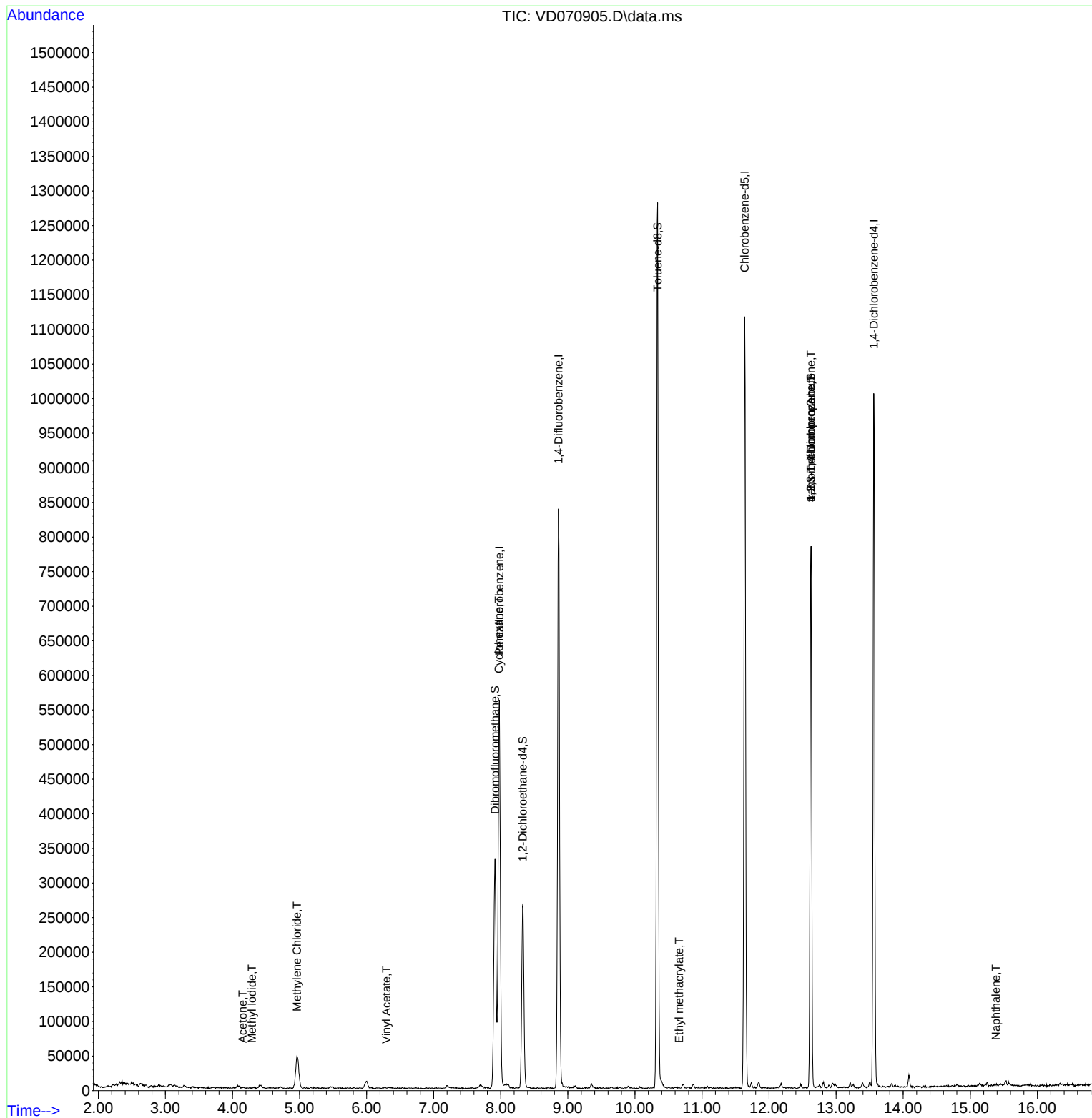
Internal Standards						
1) Pentafluorobenzene	7.979	168	420398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	740373	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	674525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	283462	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	207676	49.117	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.240%		
35) Dibromofluoromethane	7.914	113	240535	49.273	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.540%		
50) Toluene-d8	10.338	98	899322	48.968	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.940%		
62) 4-Bromofluorobenzene	12.626	95	268666	44.337	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	88.680%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.791	94	1789	Below Cal	#	43
10) Methyl Iodide	4.291	142	776	3.751	ug/l #	50
16) Acetone	4.150	43	1359	1.382	ug/l #	40
20) Methylene Chloride	4.962	84	40031	1.956	ug/l	95
23) Vinyl Acetate	6.297	43	81	14.426	ug/l #	72
31) Cyclohexane	7.973	56	9835	1.142	ug/l #	1
56) Ethyl methacrylate	10.661	69	152	2.870	ug/l #	28
76) 1,2,3-Trichloropropane	12.626	75	125588	45.007	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	125588	118.126	ug/l #	18
95) Naphthalene	15.384	128	1942	4.324	ug/l #	84

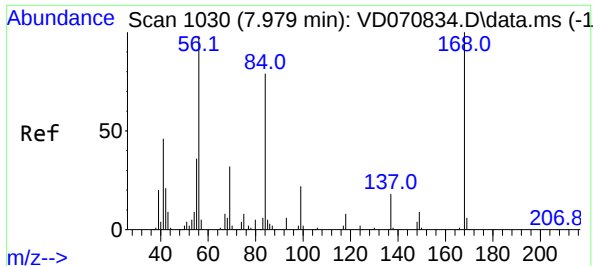
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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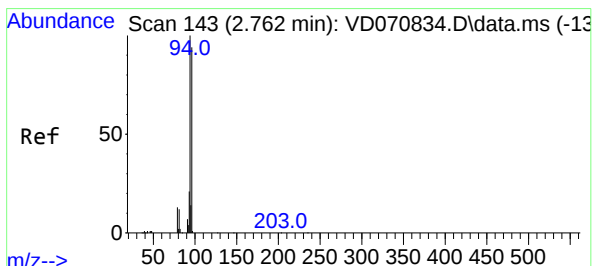
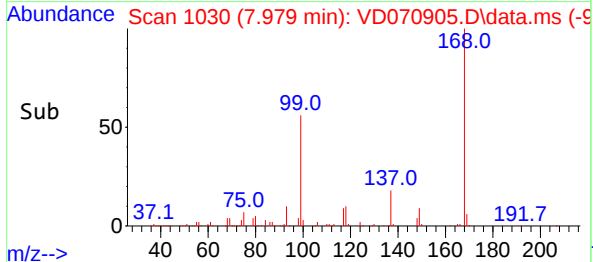
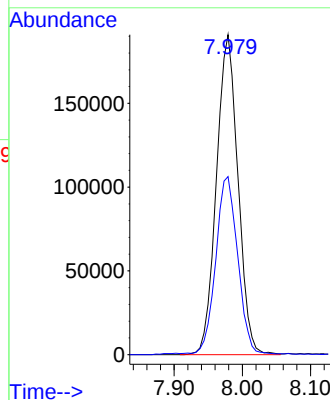
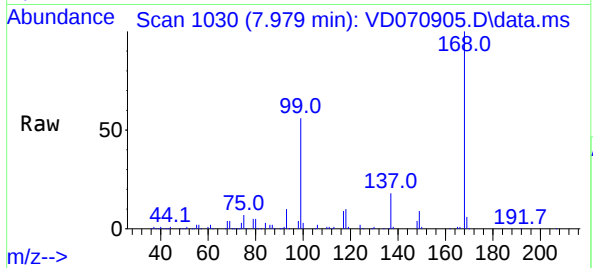




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD070905.D
Acq: 03 Nov 2021 12:42

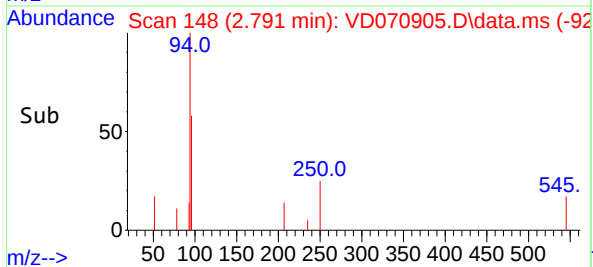
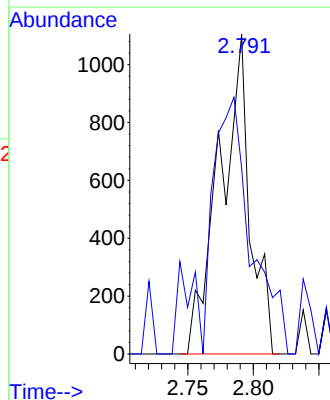
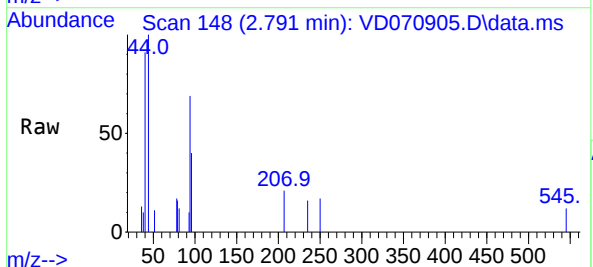
Instrument :
MSVOA_D
ClientSampleId :

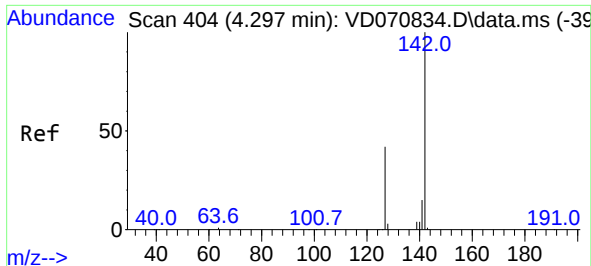
Tgt Ion:168 Resp: 420398
Ion Ratio Lower Upper
168 100
99 55.3 46.6 69.8



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.029 min
Lab File: VD070905.D
Acq: 03 Nov 2021 12:42

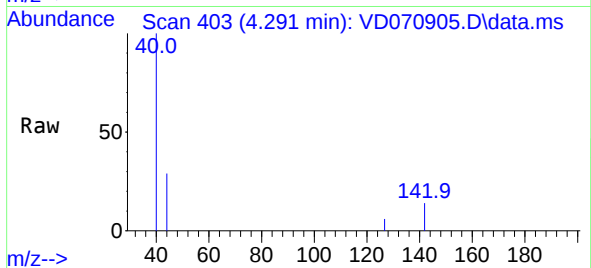
Tgt Ion: 94 Resp: 1789
Ion Ratio Lower Upper
94 100
96 38.2 74.8 112.2#



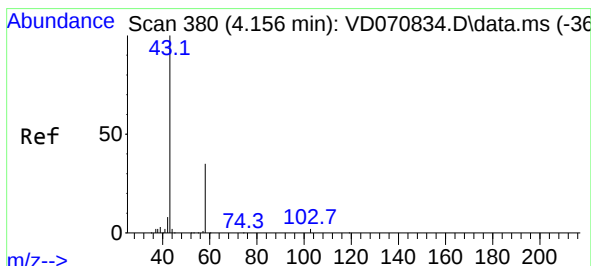
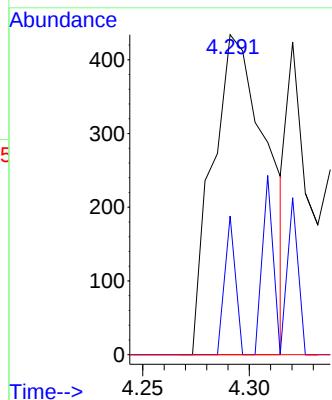
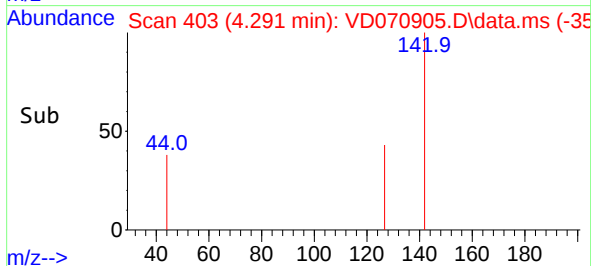


#10
Methyl Iodide
Concen: 3.751 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070905.D
Acq: 03 Nov 2021 12:42

Instrument :
MSVOA_D
ClientSampleId :

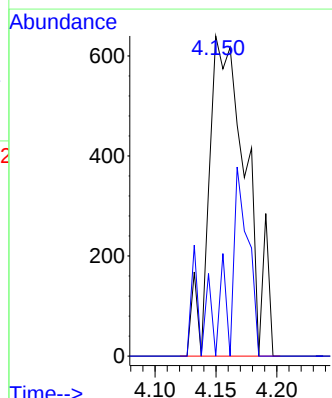
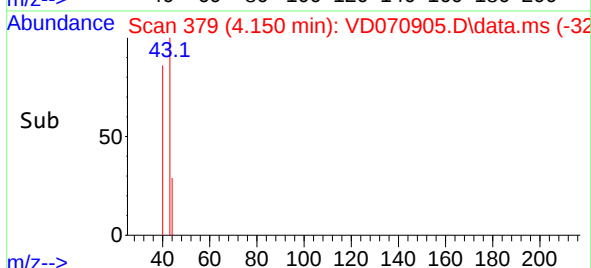
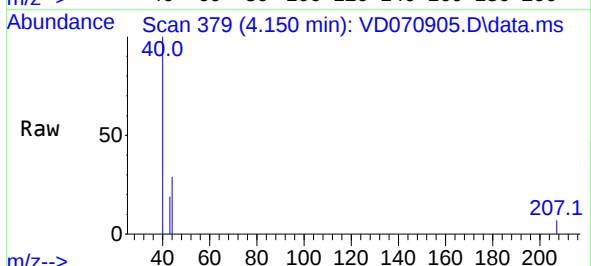


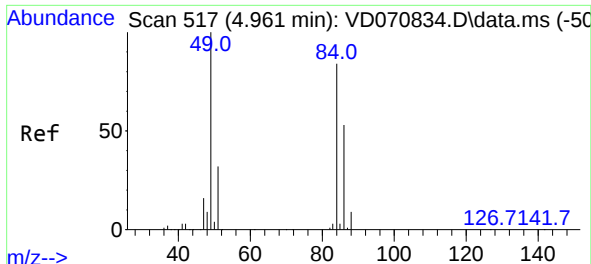
Tgt Ion:142 Resp: 776
Ion Ratio Lower Upper
142 100
127 8.5 35.0 52.4#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 1.382 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070905.D
Acq: 03 Nov 2021 12:42

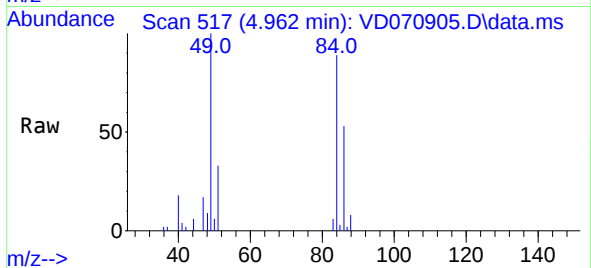
Tgt Ion: 43 Resp: 1359
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#





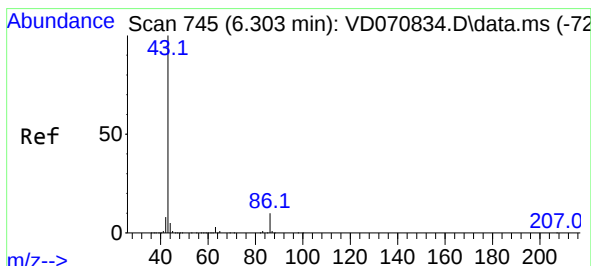
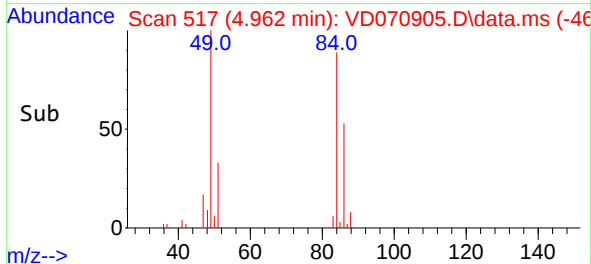
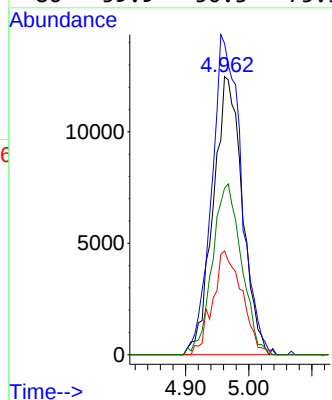
#20
Methylene Chloride
Concen: 1.956 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD070905.D
Acq: 03 Nov 2021 12:42

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 40031

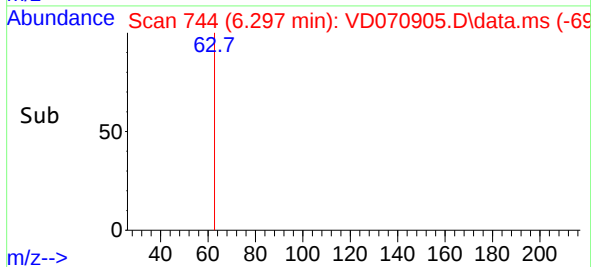
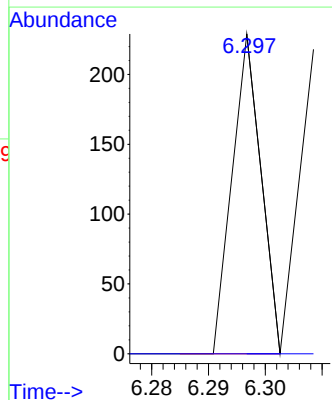
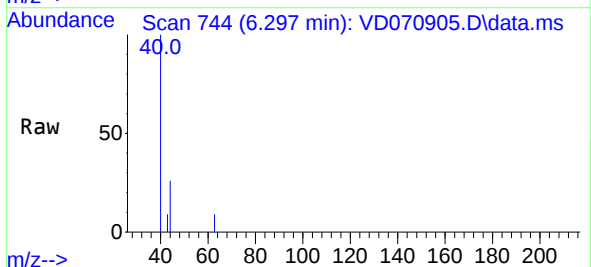
Ion	Ratio	Lower	Upper
84	100		
49	112.0	95.8	143.6
51	37.3	30.9	46.3
86	59.9	50.3	75.5

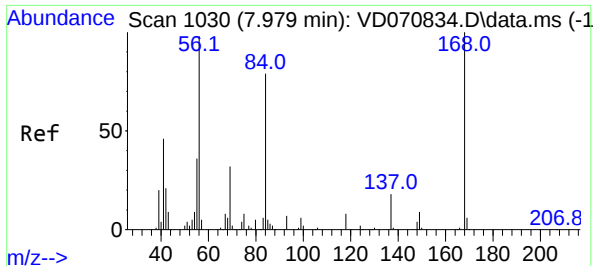


#23
Vinyl Acetate
Concen: 14.426 ug/l
RT: 6.297 min Scan# 744
Delta R.T. -0.006 min
Lab File: VD070905.D
Acq: 03 Nov 2021 12:42

Tgt Ion: 43 Resp: 81

Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#





#31

Cyclohexane

Concen: 1.142 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

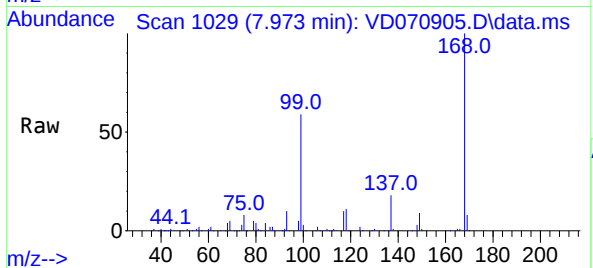
Lab File: VD070905.D

Acq: 03 Nov 2021 12:42

Instrument :

MSVOA_D

ClientSampleId :



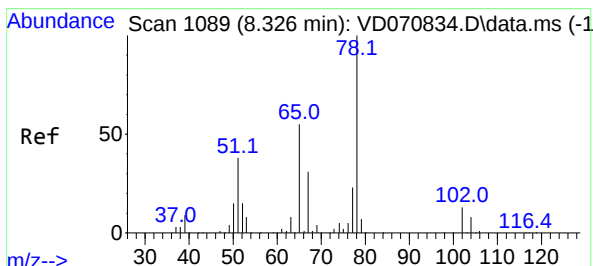
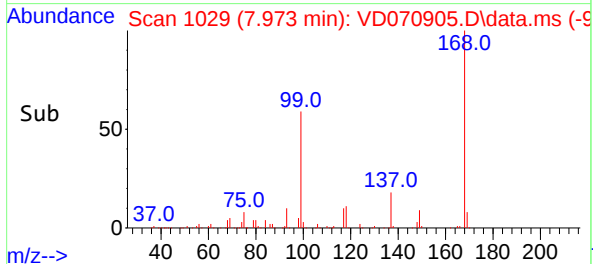
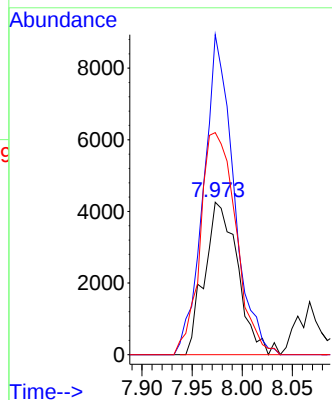
Tgt Ion: 56 Resp: 9835

Ion Ratio Lower Upper

56 100

69 209.8 25.9 38.9#

84 145.7 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 49.117 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD070905.D

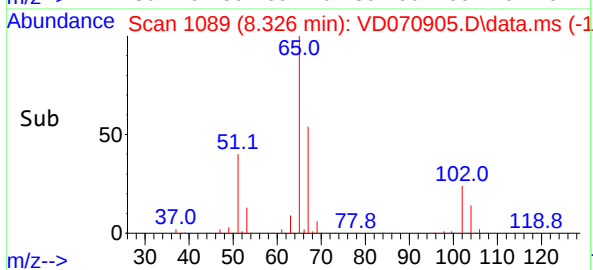
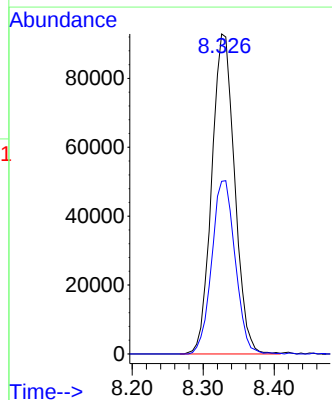
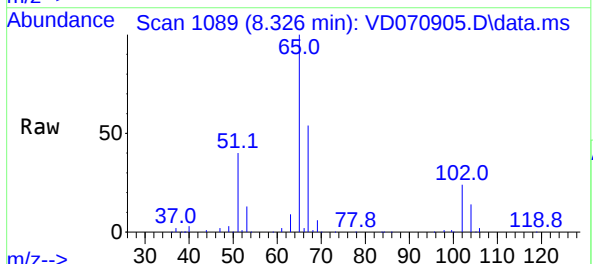
Acq: 03 Nov 2021 12:42

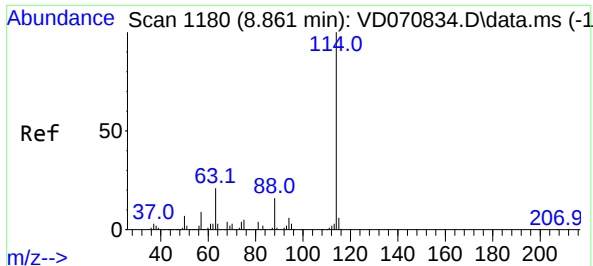
Tgt Ion: 65 Resp: 207676

Ion Ratio Lower Upper

65 100

67 55.4 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070905.D

Acq: 03 Nov 2021 12:42

Instrument :

MSVOA_D

ClientSampleId :

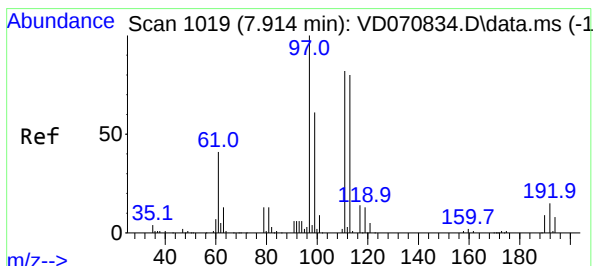
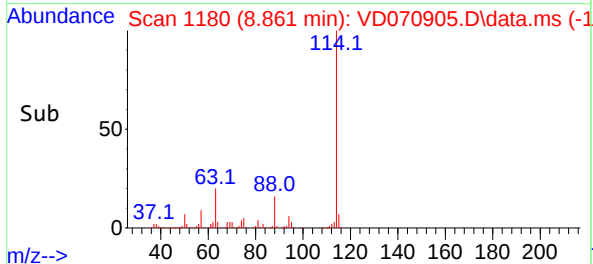
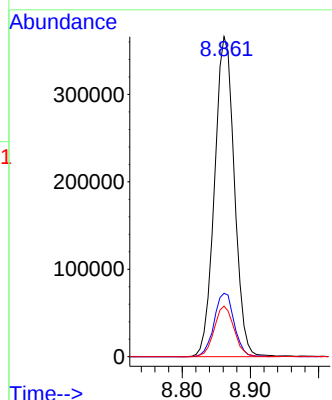
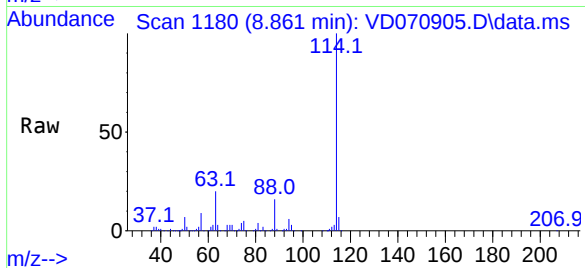
Tgt Ion:114 Resp: 740373

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.8

88 15.8 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.273 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070905.D

Acq: 03 Nov 2021 12:42

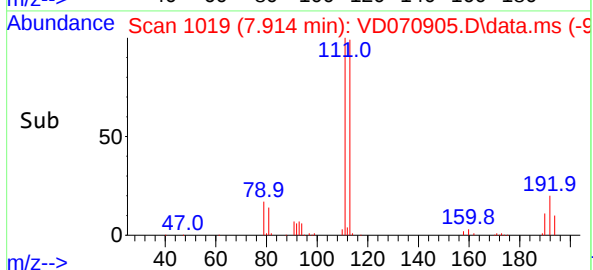
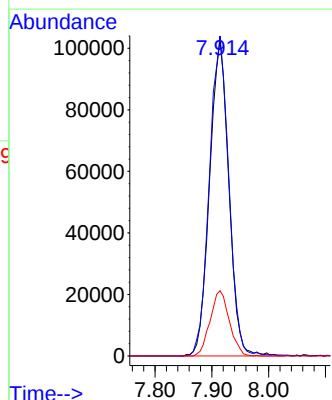
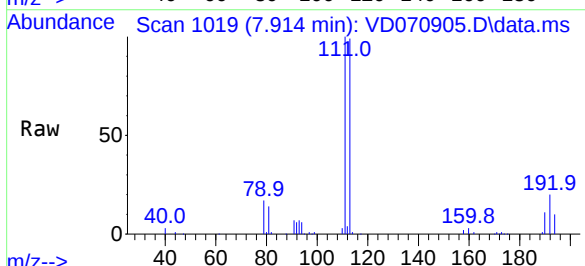
Tgt Ion:113 Resp: 240535

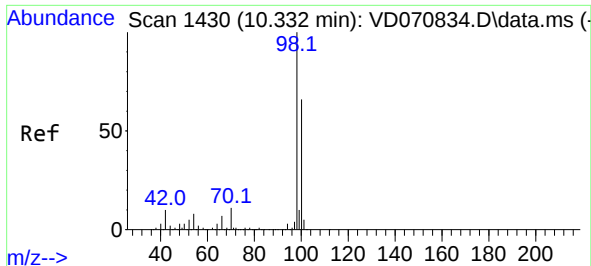
Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

192 20.6 15.2 22.8

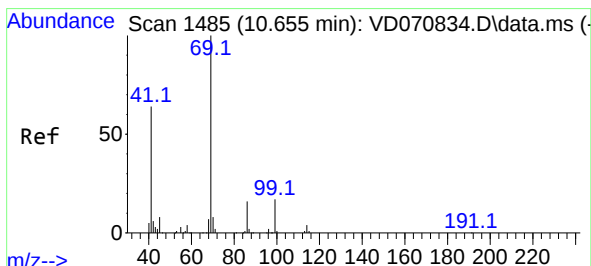
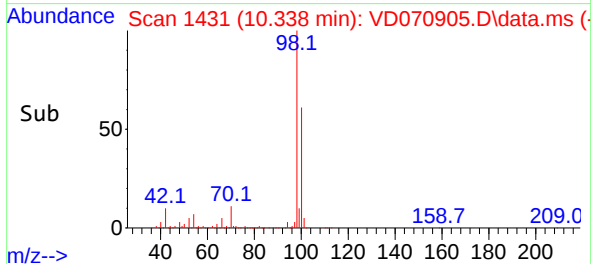
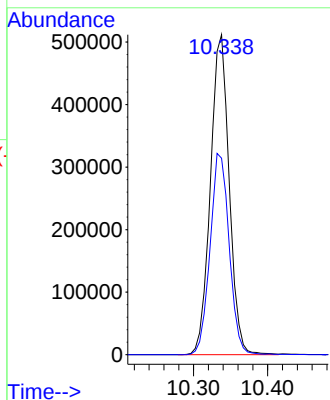
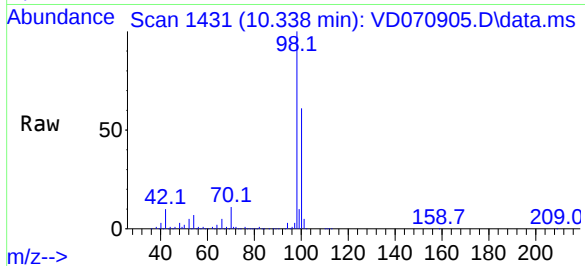




#50
Toluene-d8
Concen: 48.968 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD070905.D
Acq: 03 Nov 2021 12:42

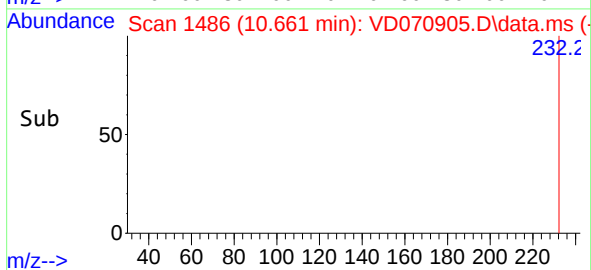
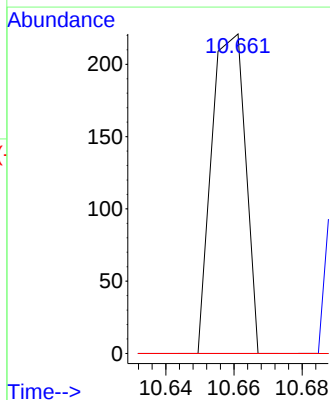
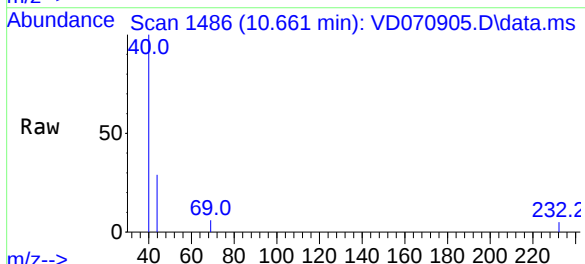
Instrument :
MSVOA_D
ClientSampleId :

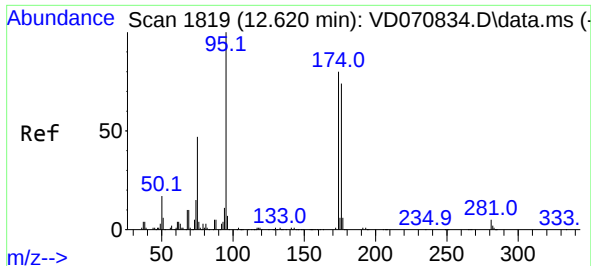
Tgt Ion: 98 Resp: 899322
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.6



#56
Ethyl methacrylate
Concen: 2.870 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD070905.D
Acq: 03 Nov 2021 12:42

Tgt Ion: 69 Resp: 152
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 19.8 29.8#

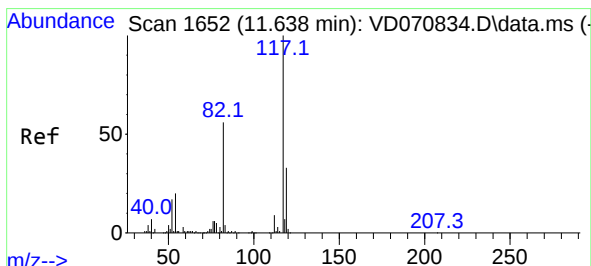
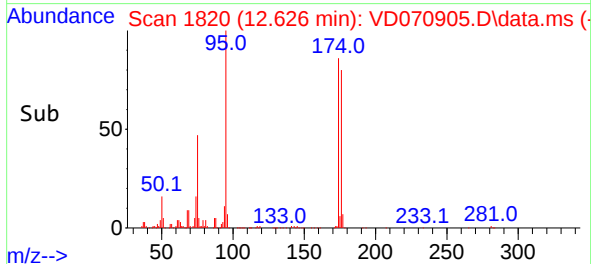
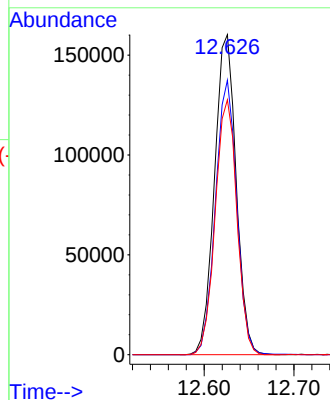
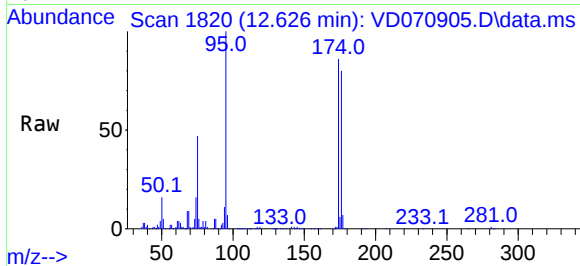




#62
4-Bromofluorobenzene
Concen: 44.337 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD070905.D
Acq: 03 Nov 2021 12:42

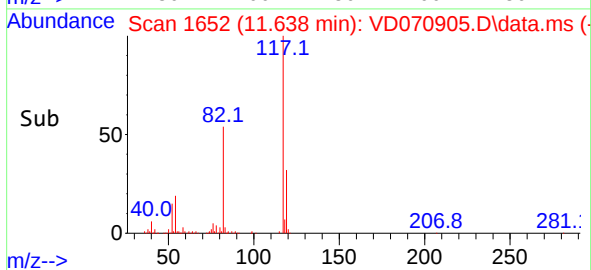
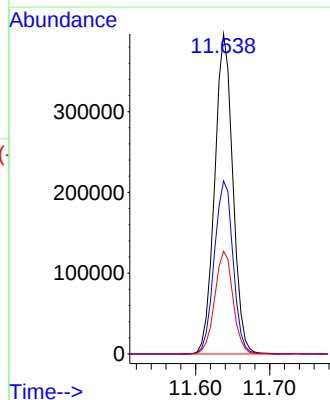
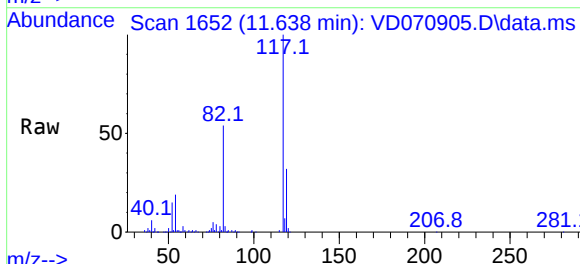
Instrument :
MSVOA_D
ClientSampleId :

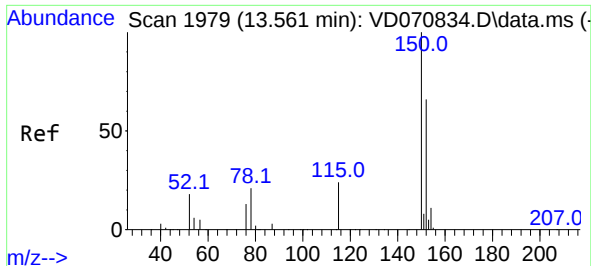
Tgt Ion: 95 Resp: 268666
Ion Ratio Lower Upper
95 100
174 84.4 0.0 159.4
176 79.5 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070905.D
Acq: 03 Nov 2021 12:42

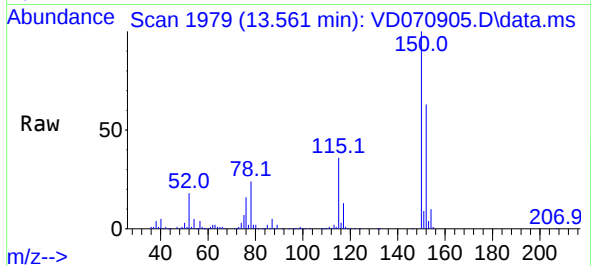
Tgt Ion: 117 Resp: 674525
Ion Ratio Lower Upper
117 100
82 54.1 44.7 67.1
119 32.1 26.2 39.4



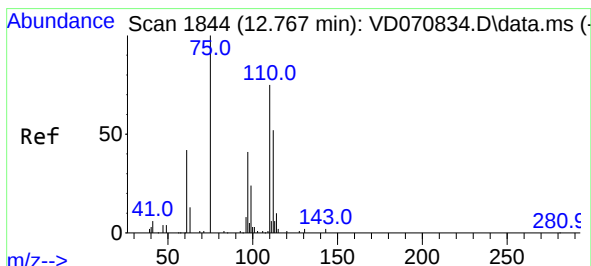
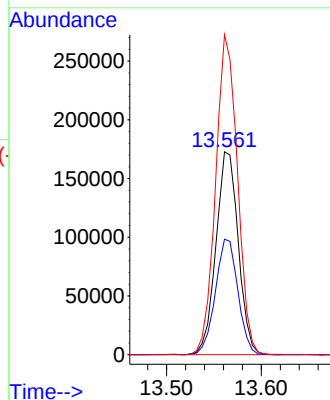
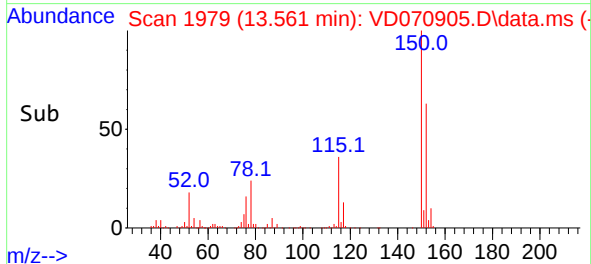


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070905.D
Acq: 03 Nov 2021 12:42

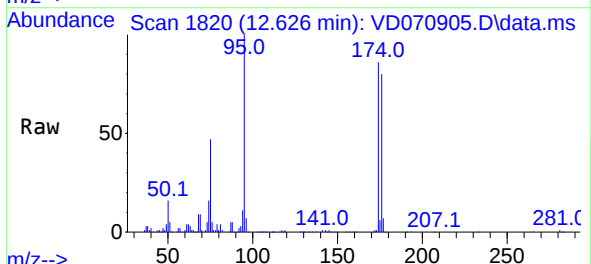
Instrument :
MSVOA_D
ClientSampleId :



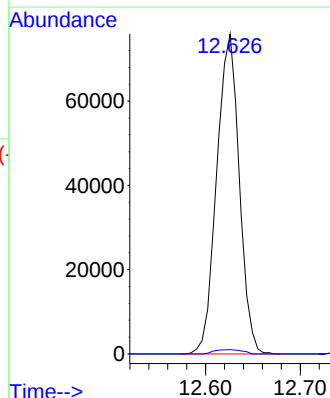
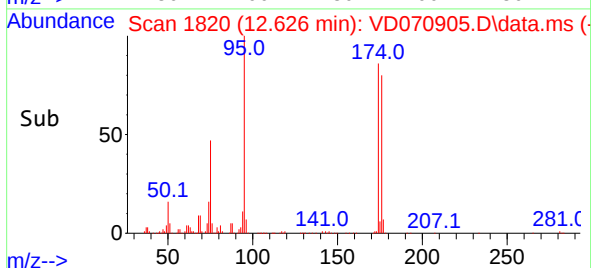
Tgt Ion:152 Resp: 283462
Ion Ratio Lower Upper
152 100
115 57.5 29.8 89.3
150 154.4 0.0 349.2

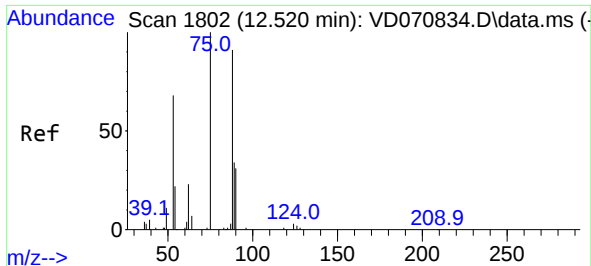


#76
1,2,3-Trichloropropane
Concen: 45.007 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.141 min
Lab File: VD070905.D
Acq: 03 Nov 2021 12:42



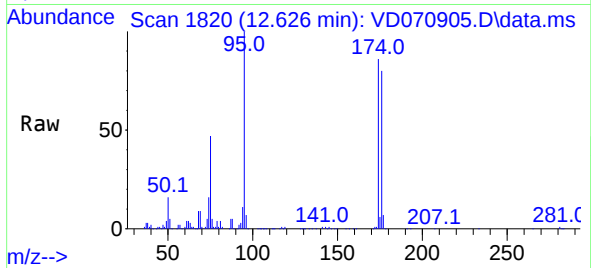
Tgt Ion: 75 Resp: 125588
Ion Ratio Lower Upper
75 100
77 1.7 158.4 475.3#



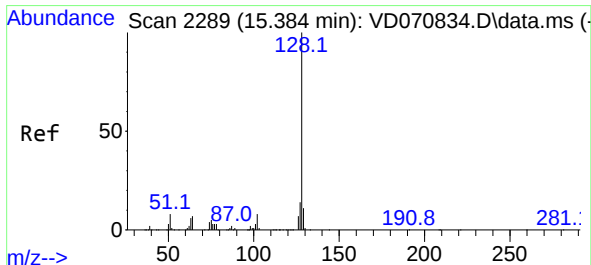
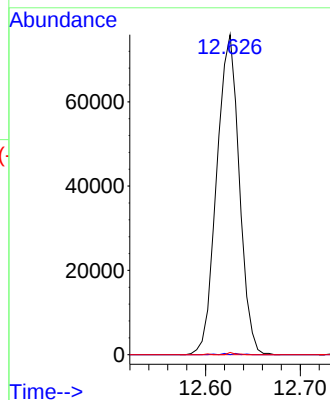
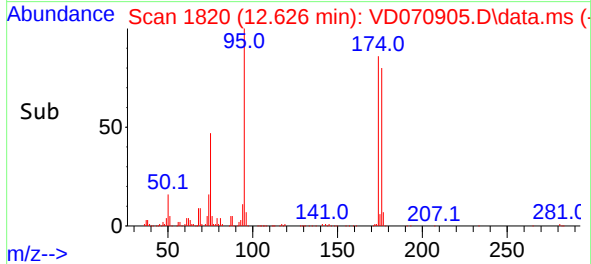


#81
trans-1,4-Dichloro-2-butene
Concen: 118.126 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD070905.D
Acq: 03 Nov 2021 12:42

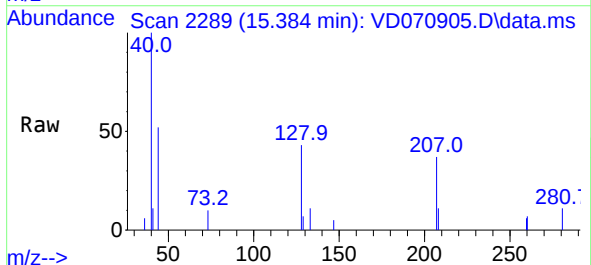
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 125588
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.2 34.5 51.7#



#95
Naphthalene
Concen: 4.324 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD070905.D
Acq: 03 Nov 2021 12:42



Tgt Ion: 128 Resp: 1942
Ion Ratio Lower Upper
128 100
127 2.9 10.7 16.1#
129 9.2 8.7 13.1

