

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102621\
 Data File : VD070838.D
 Acq On : 26 Oct 2021 14:14
 Operator : VA/SY
 Sample : VD1026SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 27 05:39:13 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

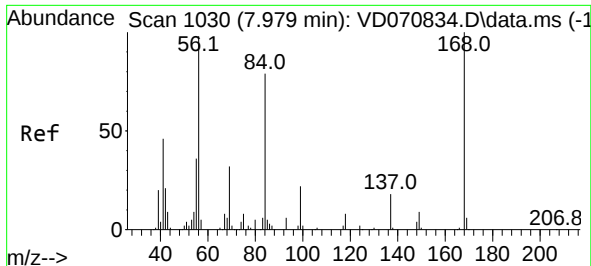
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	543111	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	941405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	854134	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	387264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	265918	48.682	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.360%
35) Dibromofluoromethane	7.908	113	298230	48.046	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.100%
50) Toluene-d8	10.332	98	1152006	49.332	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.660%
62) 4-Bromofluorobenzene	12.620	95	373205	48.437	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	5169	1.026	ug/l	94
5) Bromomethane	2.779	94	6405	Below Cal	#	80
10) Methyl Iodide	4.291	142	2054	3.899	ug/l #	80
11) Tert butyl alcohol	5.197	59	591	2.036	ug/l #	71
12) 1,1-Dichloroethene	4.061	96	5536	1.010	ug/l #	66
13) Acrolein	3.938	56	286	1.099	ug/l #	40
16) Acetone	4.161	43	2851	2.243	ug/l #	80
17) Carbon Disulfide	4.409	76	20793	1.073	ug/l	97
20) Methylene Chloride	4.967	84	27632	Below Cal		94
23) Vinyl Acetate	6.303	43	1674	14.590	ug/l #	72
31) Cyclohexane	7.973	56	19725	1.772	ug/l #	11
56) Ethyl methacrylate	10.649	69	822	2.961	ug/l #	67
76) 1,2,3-Trichloropropane	12.620	75	176490	46.295	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	176490	121.508	ug/l #	18
95) Naphthalene	15.384	128	5992	4.576	ug/l #	96

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

Quant Time: Oct 27 05:39:13 2021
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Quant Title : SW846 8260
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Response via : Initial Calibration

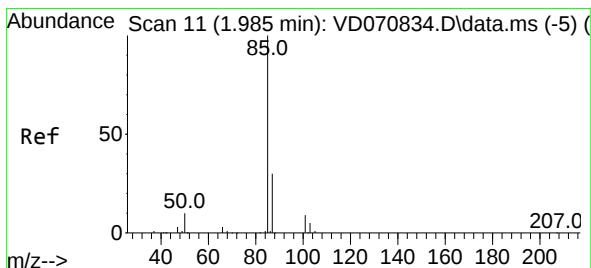
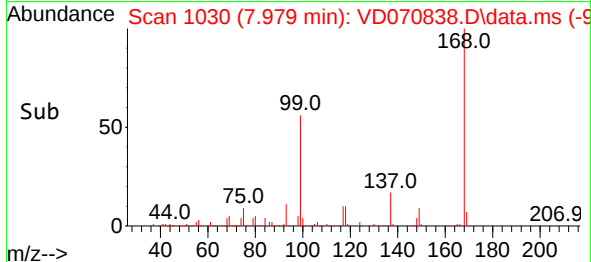
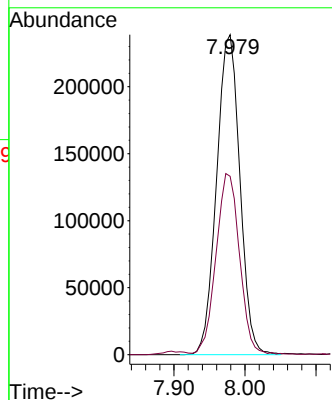
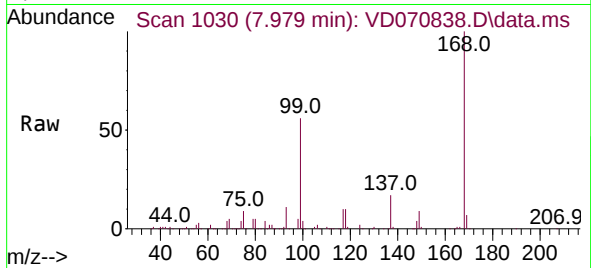




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070838.D
Acq: 26 Oct 2021 14:14

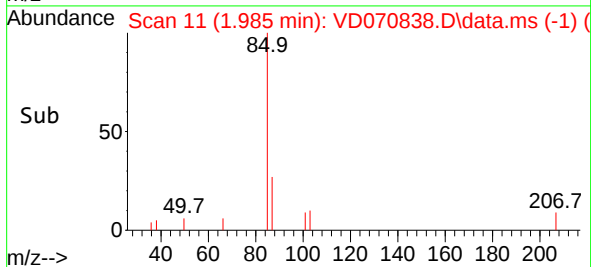
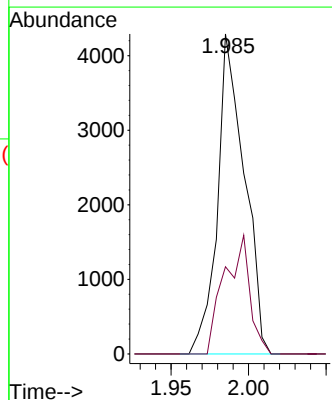
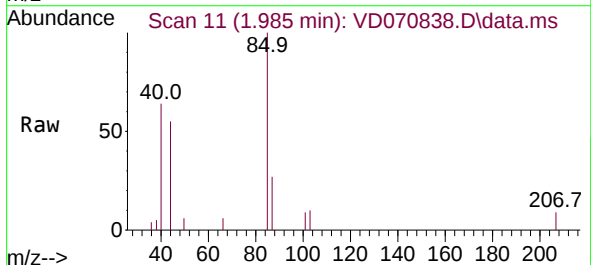
Instrument :
MSVOA_D
ClientSampleId :

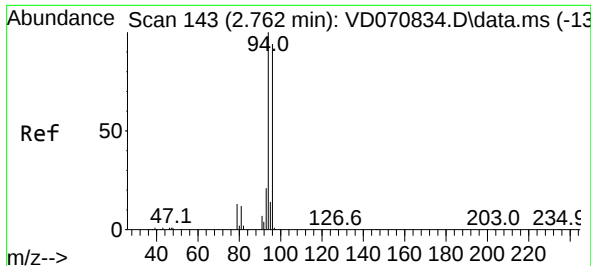
Tgt Ion:168 Resp: 543111
Ion Ratio Lower Upper
168 100
99 55.3 46.6 69.8



#2
Dichlorodifluoromethane
Concen: 1.026 ug/l
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070838.D
Acq: 26 Oct 2021 14:14

Tgt Ion: 85 Resp: 5169
Ion Ratio Lower Upper
85 100
87 27.2 15.2 45.6

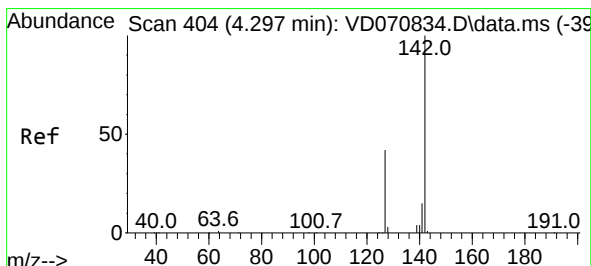
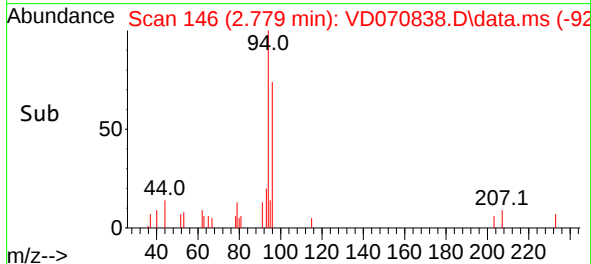
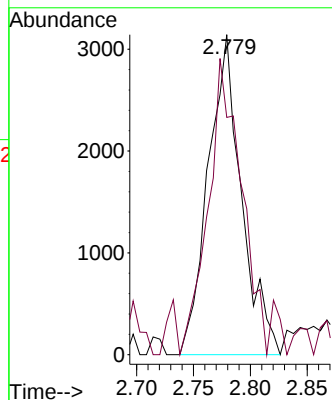
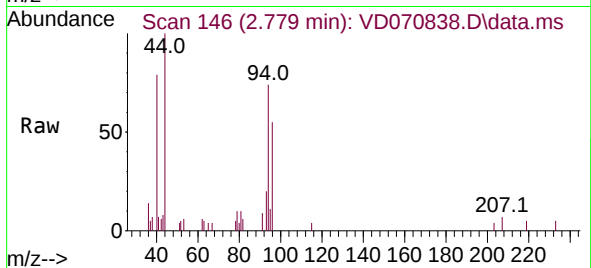




#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 14
Delta R.T. 0.017 min
Lab File: VD070838.D
Acq: 26 Oct 2021 14:14

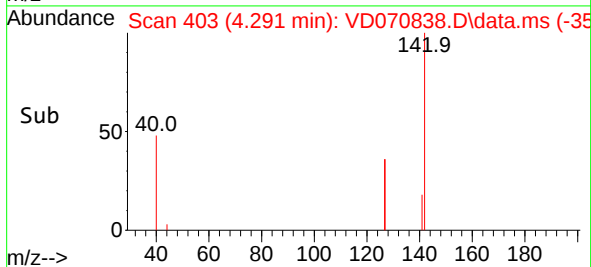
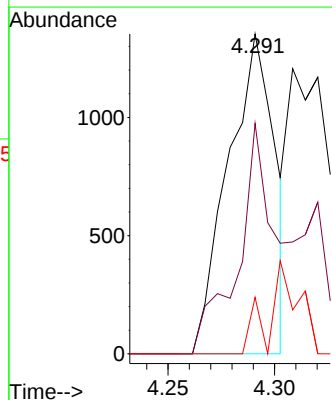
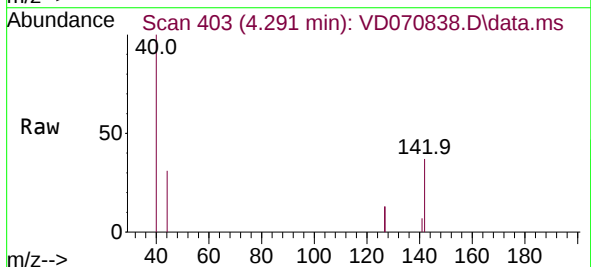
Instrument :
MSVOA_D
ClientSampleId :

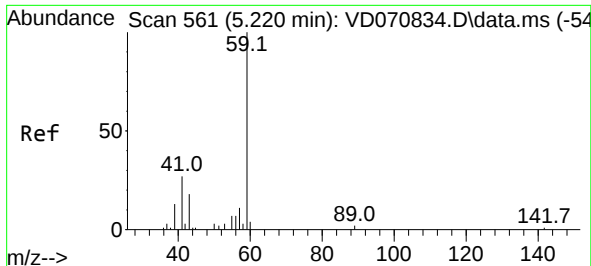
Tgt Ion: 94 Resp: 6405
Ion Ratio Lower Upper
94 100
96 74.2 74.8 112.2#



#10
Methyl Iodide
Concen: 3.899 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070838.D
Acq: 26 Oct 2021 14:14

Tgt Ion:142 Resp: 2054
Ion Ratio Lower Upper
142 100
127 52.9 35.0 52.4#
141 0.0 12.0 18.0#

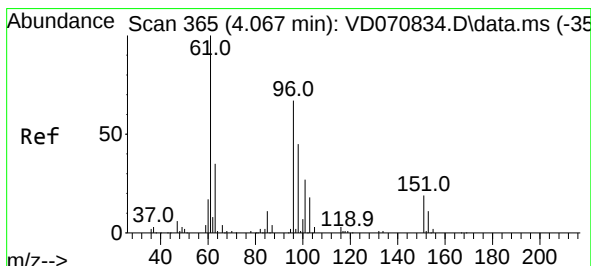
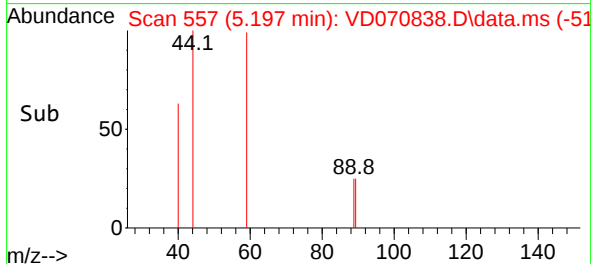
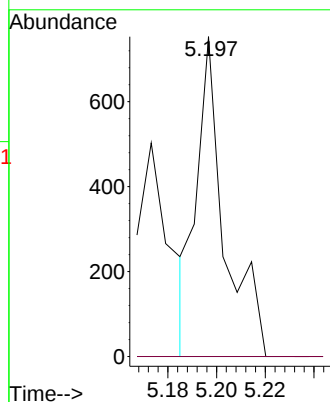
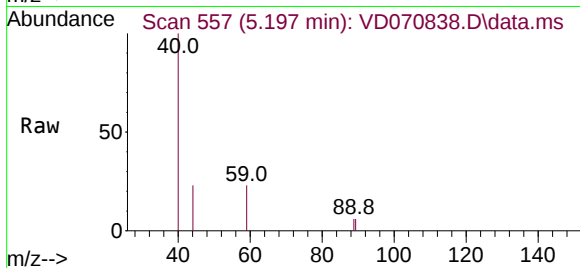




#11
Tert butyl alcohol
Concen: 2.036 ug/l
RT: 5.197 min Scan# 51
Delta R.T. -0.024 min
Lab File: VD070838.D
Acq: 26 Oct 2021 14:14

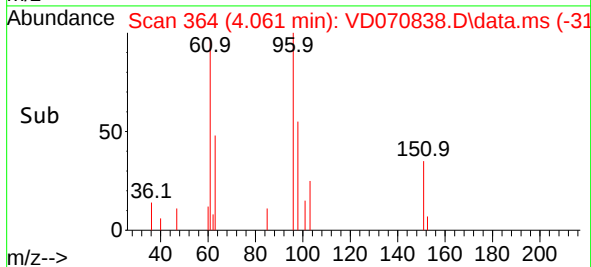
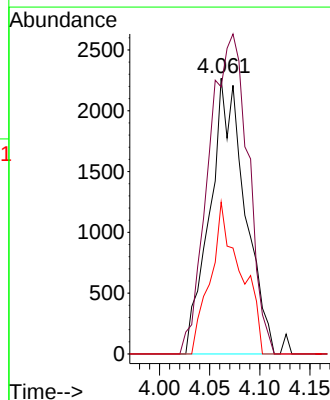
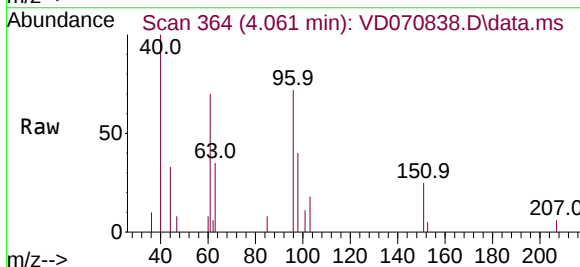
Instrument :
MSVOA_D
ClientSampleId :

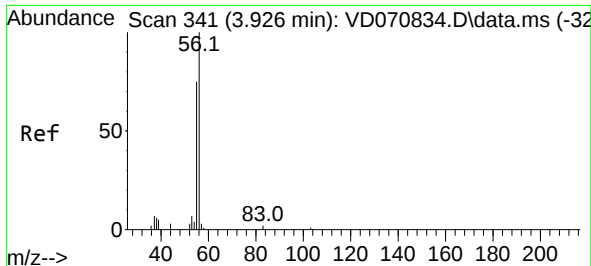
Tgt Ion: 59 Resp: 591
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#12
1,1-Dichloroethene
Concen: 1.010 ug/l
RT: 4.061 min Scan# 364
Delta R.T. -0.006 min
Lab File: VD070838.D
Acq: 26 Oct 2021 14:14

Tgt Ion: 96 Resp: 5536
Ion Ratio Lower Upper
96 100
61 96.9 120.3 180.5#
98 55.1 54.4 81.6





#13

Acrolein

Concen: 1.099 ug/l

RT: 3.938 min Scan# 341

Delta R.T. 0.012 min

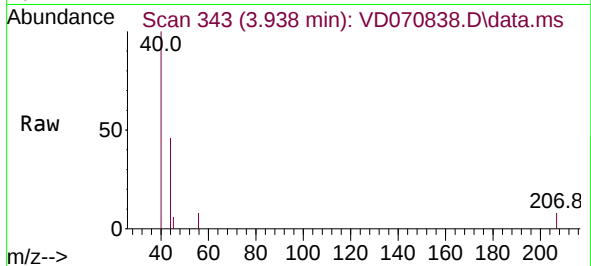
Lab File: VD070838.D

Acq: 26 Oct 2021 14:14

Instrument :

MSVOA_D

ClientSampleId :

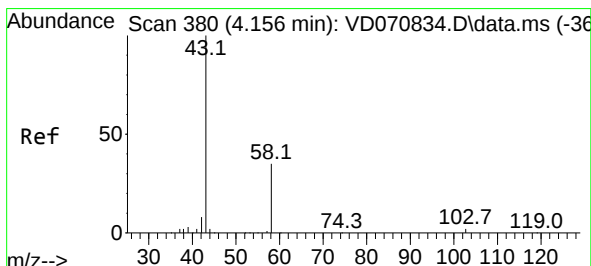
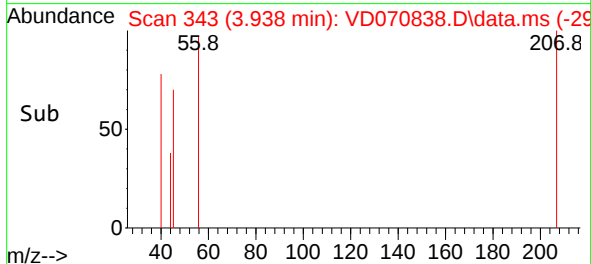
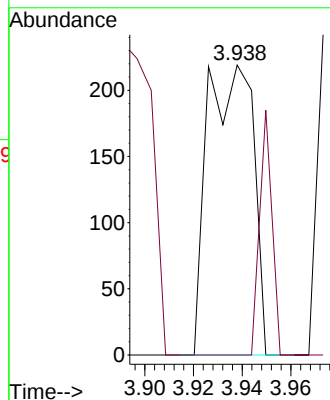


Tgt Ion: 56 Resp: 286

Ion Ratio Lower Upper

56 100

55 22.7 58.6 87.8#



#16

Acetone

Concen: 2.243 ug/l

RT: 4.161 min Scan# 381

Delta R.T. 0.006 min

Lab File: VD070838.D

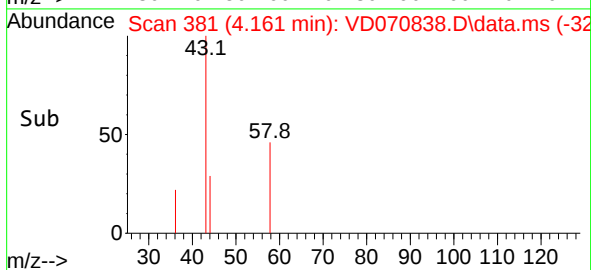
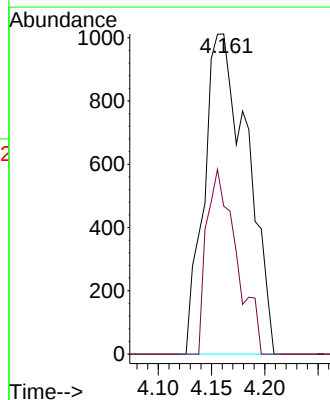
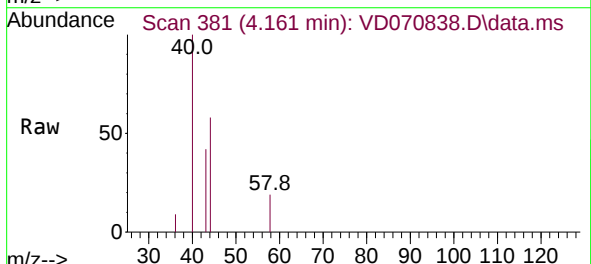
Acq: 26 Oct 2021 14:14

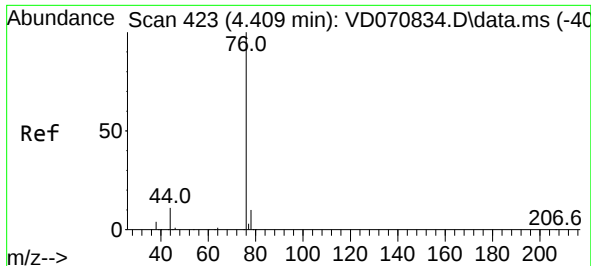
Tgt Ion: 43 Resp: 2851

Ion Ratio Lower Upper

43 100

58 46.2 27.8 41.8#

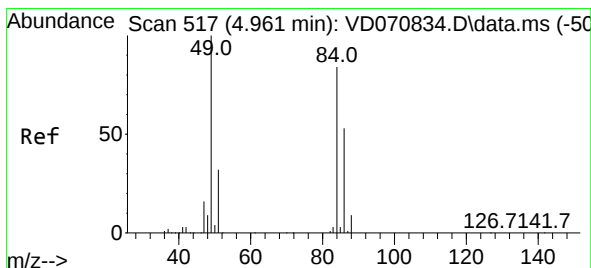
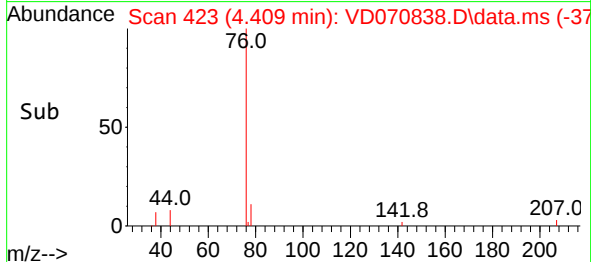
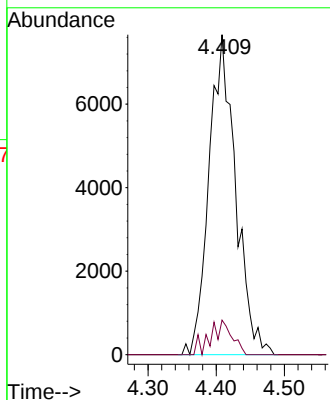
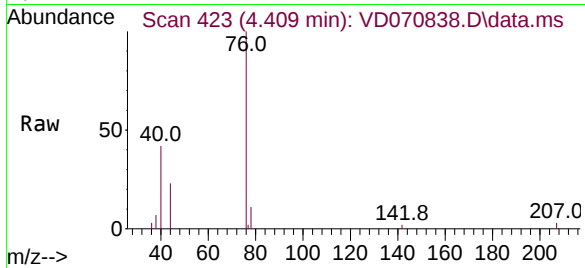




#17
Carbon Disulfide
Concen: 1.073 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD070838.D
Acq: 26 Oct 2021 14:14

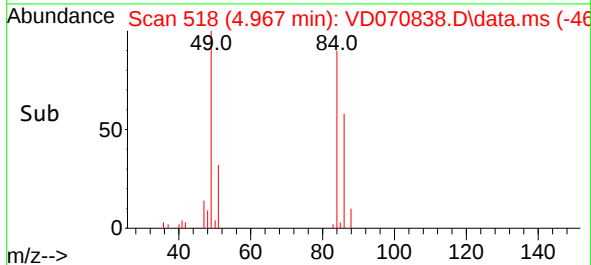
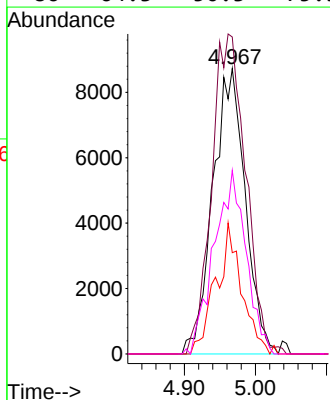
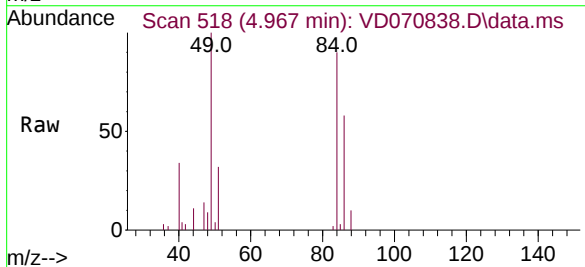
Instrument :
MSVOA_D
ClientSampleId :

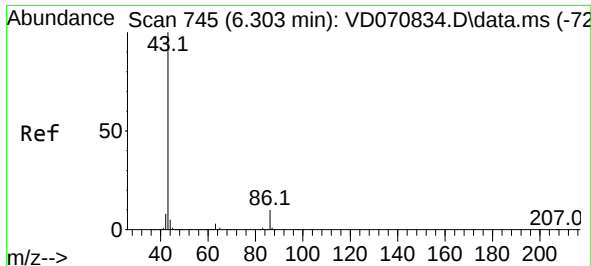
Tgt Ion: 76 Resp: 20793
Ion Ratio Lower Upper
76 100
78 10.8 7.8 11.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD070838.D
Acq: 26 Oct 2021 14:14

Tgt Ion: 84 Resp: 27632
Ion Ratio Lower Upper
84 100
49 111.0 95.8 143.6
51 35.5 30.9 46.3
86 64.3 50.3 75.5

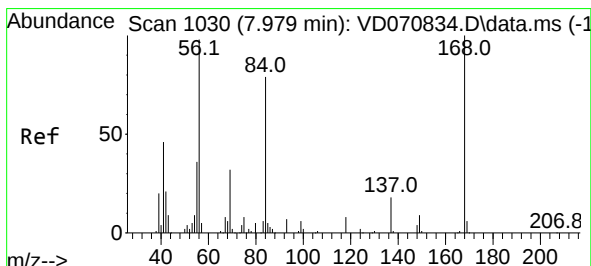
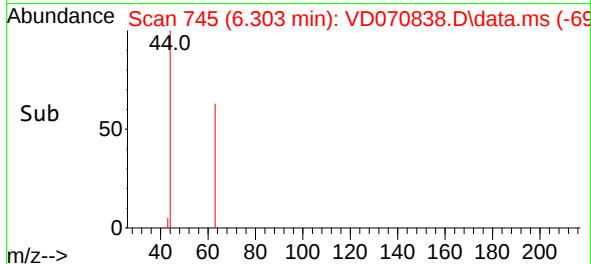
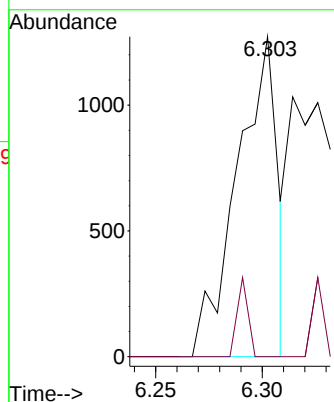
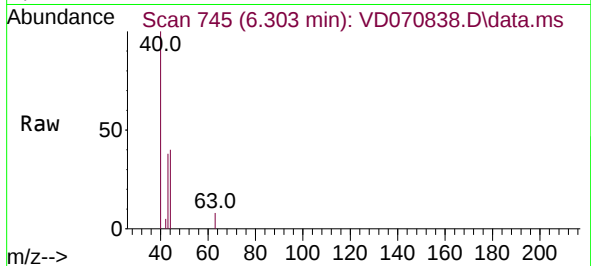




#23
 Vinyl Acetate
 Concen: 14.590 ug/l
 RT: 6.303 min Scan# 745
 Delta R.T. -0.000 min
 Lab File: VD070838.D
 Acq: 26 Oct 2021 14:14

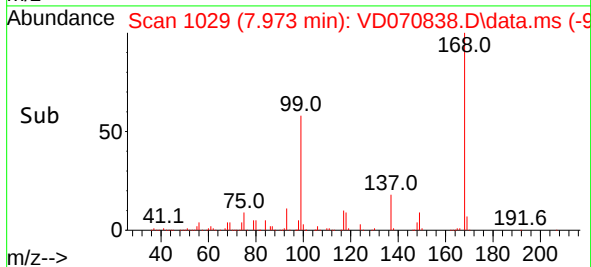
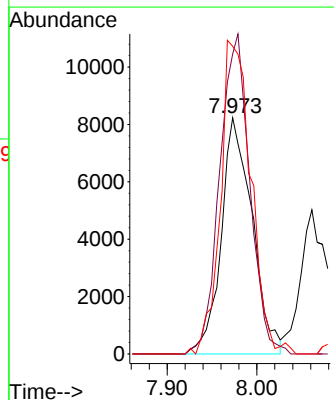
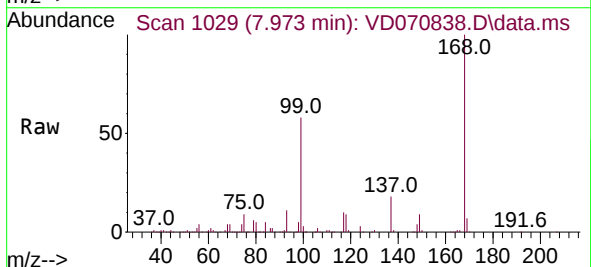
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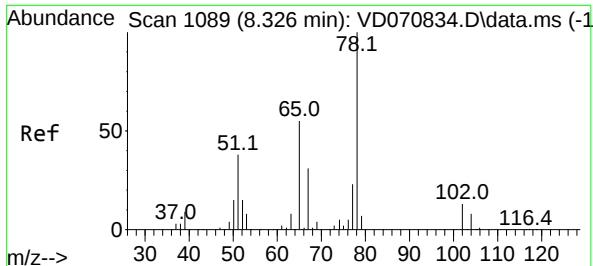
Tgt Ion: 43 Resp: 1674
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#31
 Cyclohexane
 Concen: 1.772 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.006 min
 Lab File: VD070838.D
 Acq: 26 Oct 2021 14:14

Tgt Ion: 56 Resp: 19725
 Ion Ratio Lower Upper
 56 100
 69 127.0 25.9 38.9#
 84 130.3 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 48.682 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD070838.D

Acq: 26 Oct 2021 14:14

Instrument :

MSVOA_D

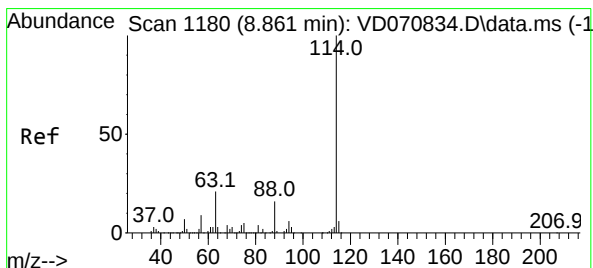
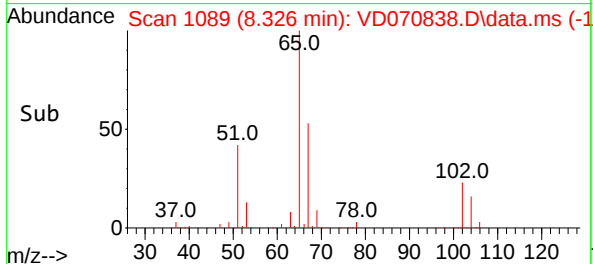
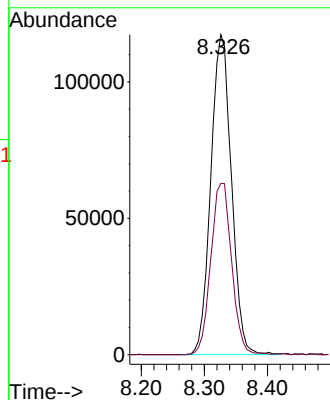
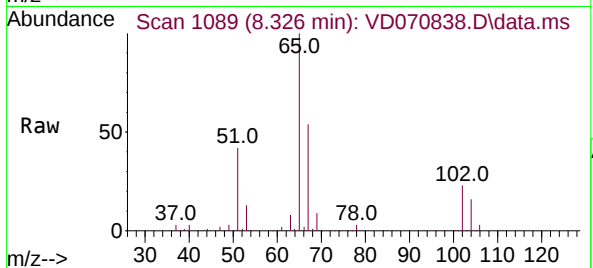
ClientSampleId :

Tgt Ion: 65 Resp: 265918

Ion Ratio Lower Upper

65 100

67 54.2 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: VD070838.D

Acq: 26 Oct 2021 14:14

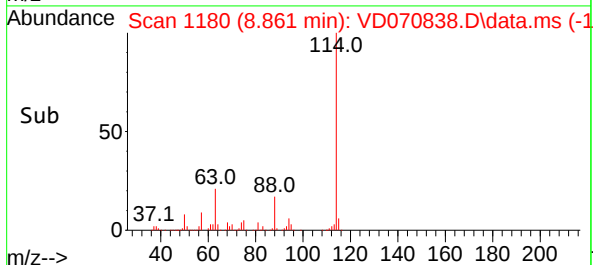
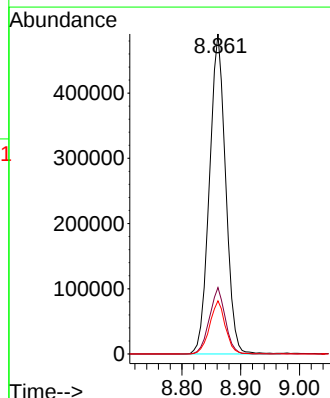
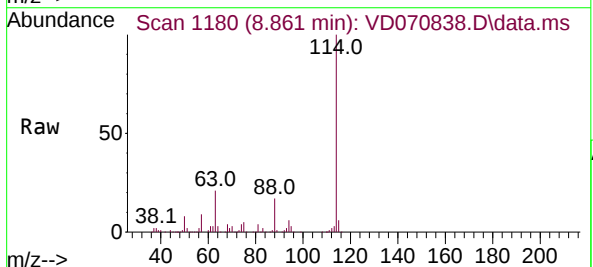
Tgt Ion: 114 Resp: 941405

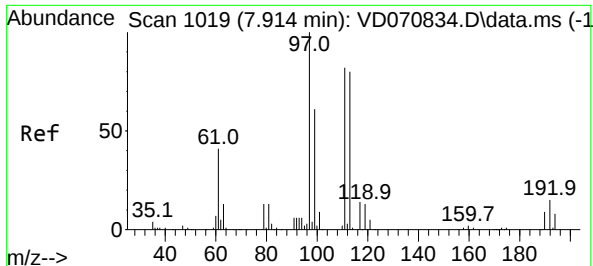
Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.8

88 16.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.046 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

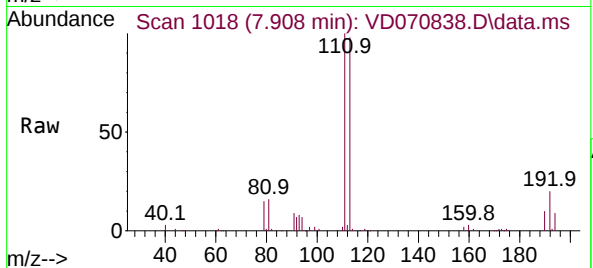
Lab File: VD070838.D

Acq: 26 Oct 2021 14:14

Instrument :

MSVOA_D

ClientSampleId :



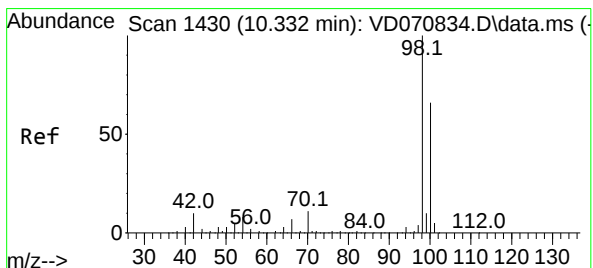
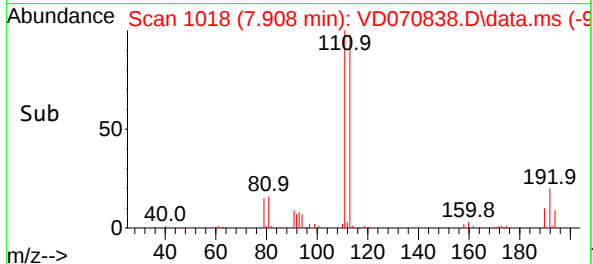
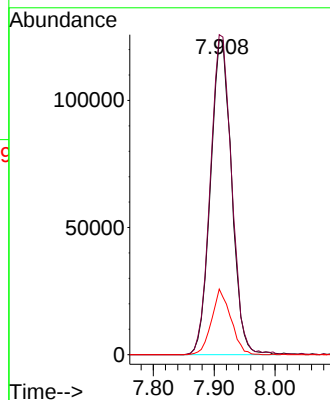
Tgt Ion:113 Resp: 298230

Ion Ratio Lower Upper

113 100

111 102.8 82.0 123.0

192 19.0 15.2 22.8



#50

Toluene-d8

Concen: 49.332 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD070838.D

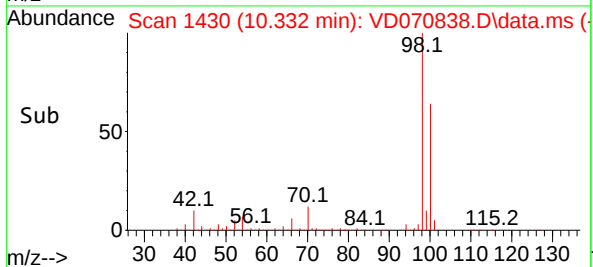
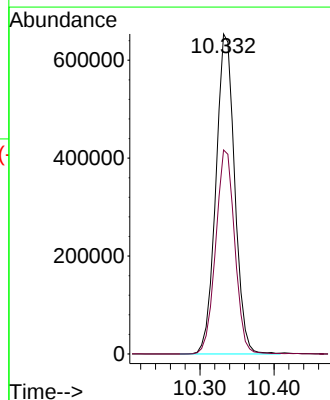
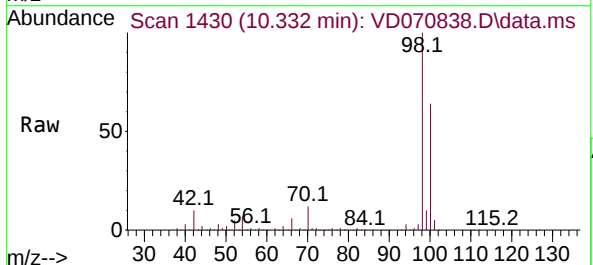
Acq: 26 Oct 2021 14:14

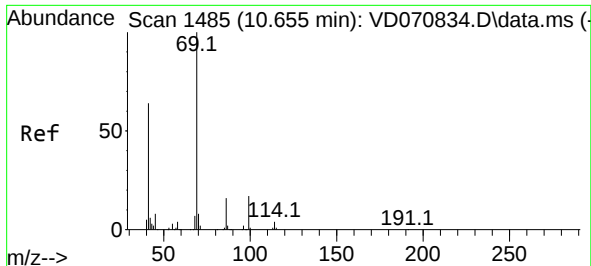
Tgt Ion: 98 Resp: 1152006

Ion Ratio Lower Upper

98 100

100 64.6 51.8 77.6

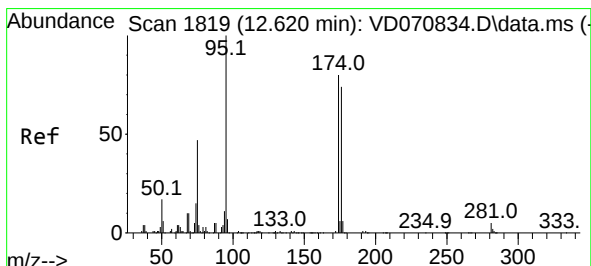
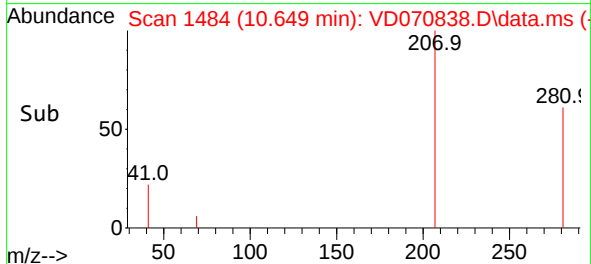
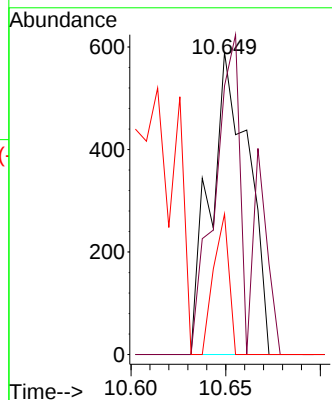
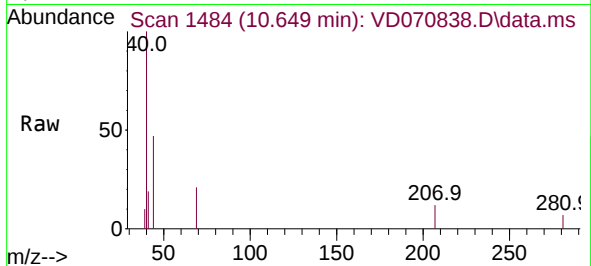




#56
Ethyl methacrylate
Concen: 2.961 ug/l
RT: 10.649 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VD070838.D
Acq: 26 Oct 2021 14:14

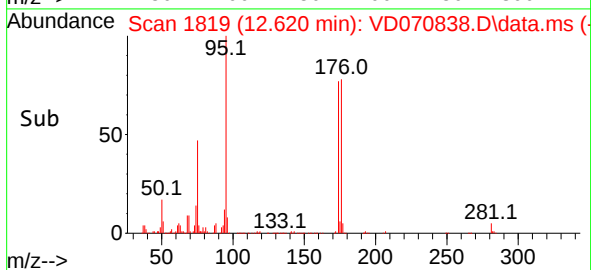
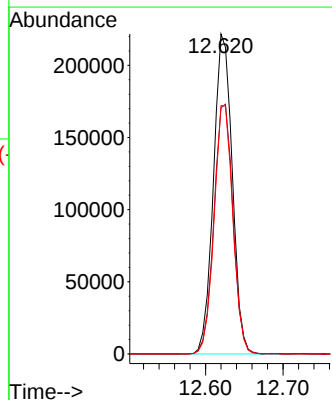
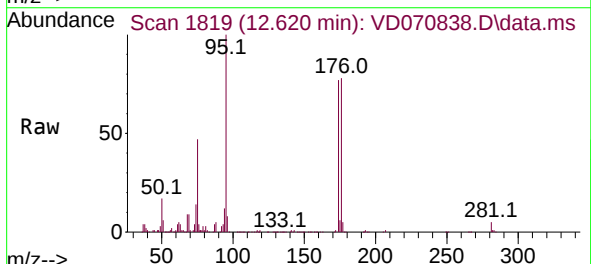
Instrument :
MSVOA_D
ClientSampleId :

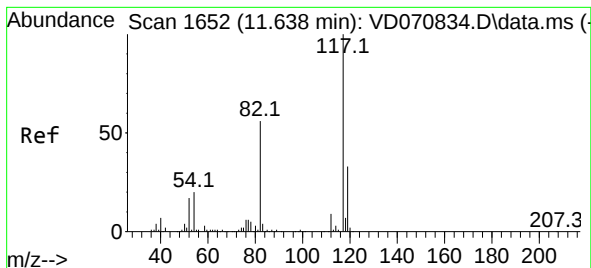
Tgt Ion: 69 Resp: 822
Ion Ratio Lower Upper
69 100
41 94.3 50.2 75.2#
39 19.0 19.8 29.8#



#62
4-Bromofluorobenzene
Concen: 48.437 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070838.D
Acq: 26 Oct 2021 14:14

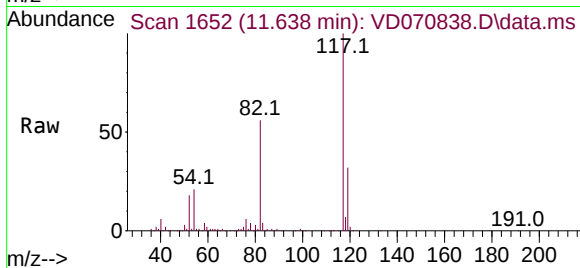
Tgt Ion: 95 Resp: 373205
Ion Ratio Lower Upper
95 100
174 79.4 0.0 159.4
176 77.4 0.0 154.0



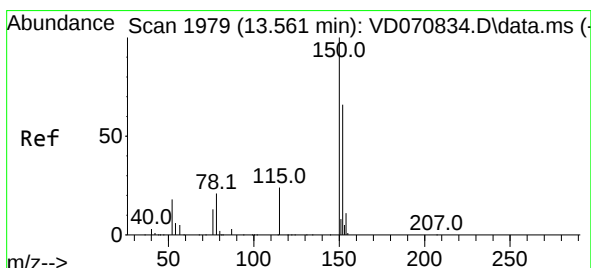
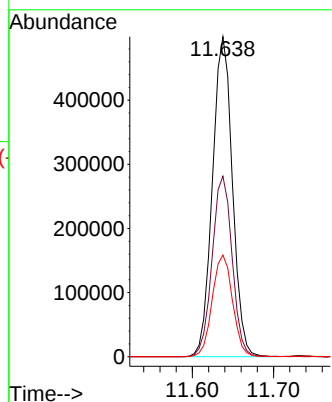
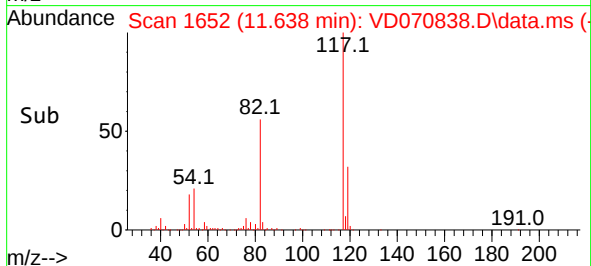


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD070838.D
Acq: 26 Oct 2021 14:14

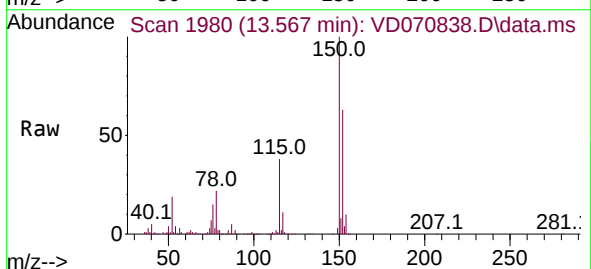
Instrument :
MSVOA_D
ClientSampleId :



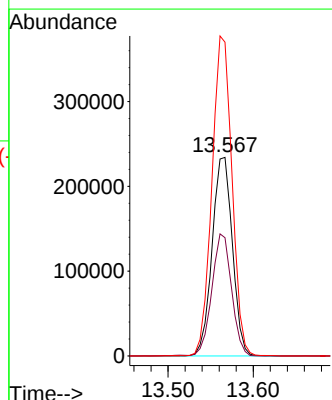
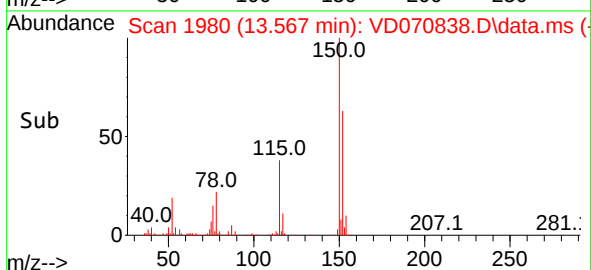
Tgt Ion:117 Resp: 854134
Ion Ratio Lower Upper
117 100
82 56.4 44.7 67.1
119 31.7 26.2 39.4

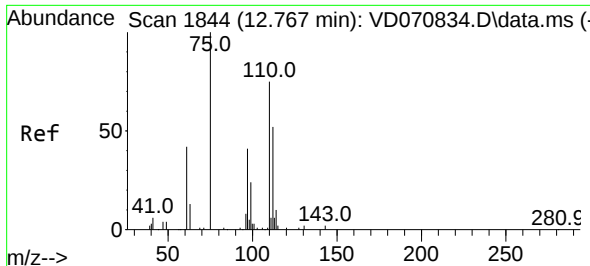


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD070838.D
Acq: 26 Oct 2021 14:14



Tgt Ion:152 Resp: 387264
Ion Ratio Lower Upper
152 100
115 60.0 29.8 89.3
150 159.1 0.0 349.2

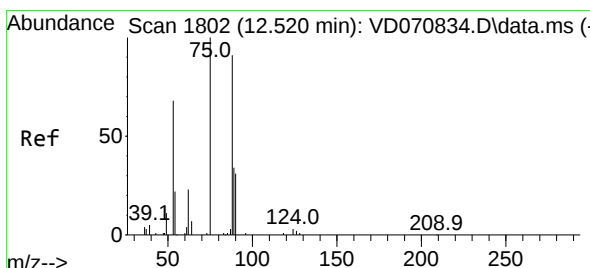
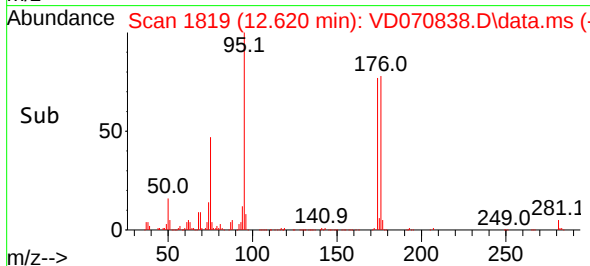
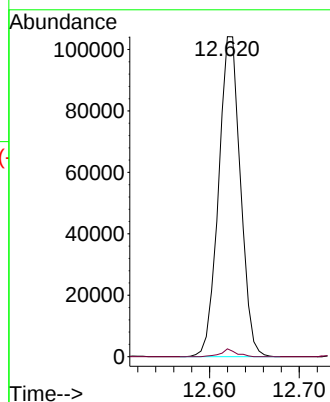
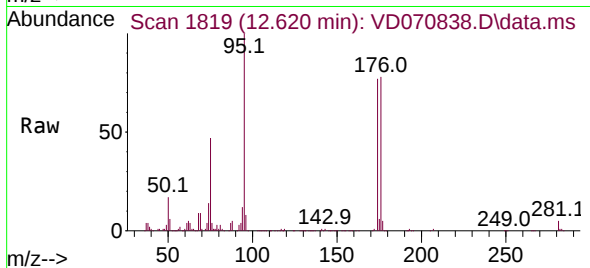




#76
1,2,3-Trichloropropane
Concen: 46.295 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD070838.D
Acq: 26 Oct 2021 14:14

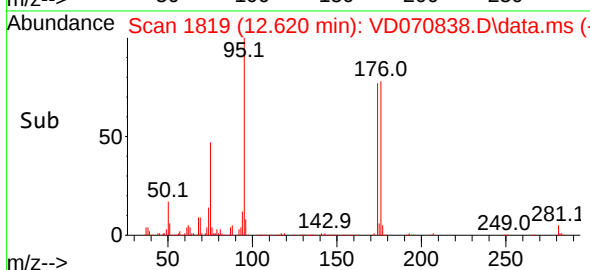
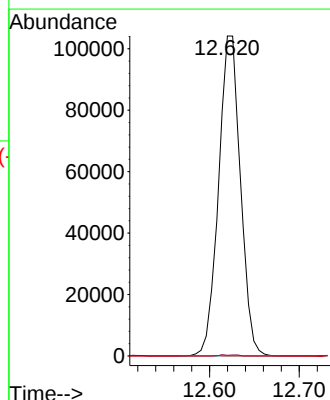
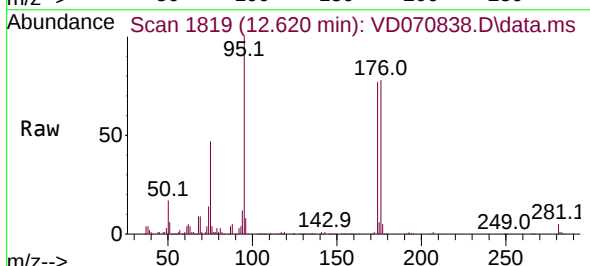
Instrument :
MSVOA_D
ClientSampleId :

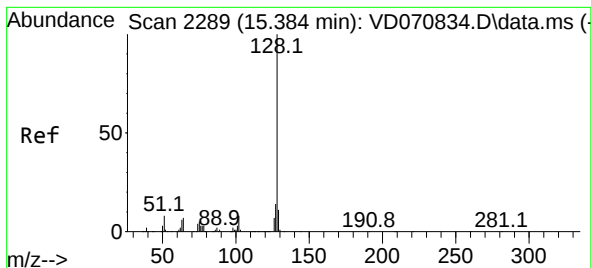
Tgt Ion: 75 Resp: 176490
Ion Ratio Lower Upper
75 100
77 1.7 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.508 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070838.D
Acq: 26 Oct 2021 14:14

Tgt Ion: 75 Resp: 176490
Ion Ratio Lower Upper
75 100
53 0.3 62.6 94.0#
89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 4.576 ug/l

RT: 15.384 min Scan# 21

Delta R.T. 0.000 min

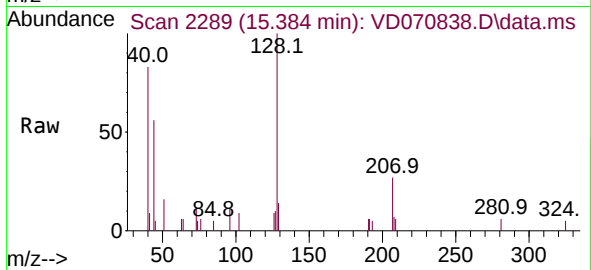
Lab File: VD070838.D

Acq: 26 Oct 2021 14:14

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	128	Resp:	5992
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	7.8	8.7	13.1#

