

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101121\
 Data File : VD070665.D
 Acq On : 11 Oct 2021 17:35
 Operator : VA/SY
 Sample : M4164-01
 Misc : 4.96G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BU-03-100821

Quant Time: Oct 12 05:42:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

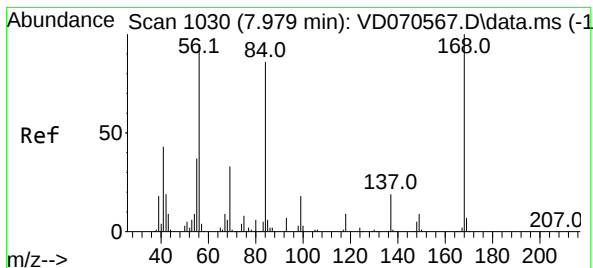
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	360759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	709393	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	658712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	253240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	209743	49.402	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.800%		
35) Dibromofluoromethane	7.909	113	228169	48.377	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.760%		
50) Toluene-d8	10.332	98	904318	50.155	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.320%		
62) 4-Bromofluorobenzene	12.620	95	260882	43.291	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	86.580%		
Target Compounds						
5) Bromomethane	2.774	94	1232	Below Cal	#	72
20) Methylene Chloride	4.962	84	24122	Below Cal		87
36) 1,1-Dichloropropene	7.979	75	31442	4.173	ug/l #	50
38) Carbon Tetrachloride	7.979	117	40372	5.120	ug/l #	16
51) 4-Methyl-2-Pentanone	10.338	43	3060	1.293	ug/l #	1
56) Ethyl methacrylate	10.620	69	56	1.385	ug/l #	32
76) 1,2,3-Trichloropropane	12.626	75	127325	55.550	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	127325	123.330	ug/l #	17
95) Naphthalene	15.385	128	825	2.587	ug/l #	69

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

Quant Time: Oct 12 05:42:31 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 06 09:10:31 2021
Response via : Initial Calibration

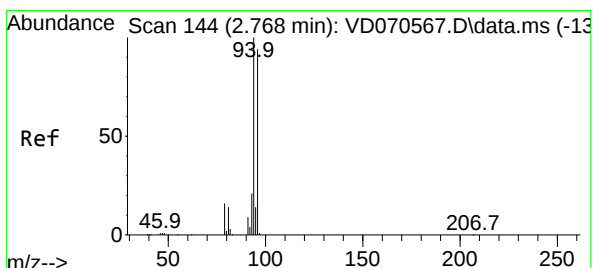
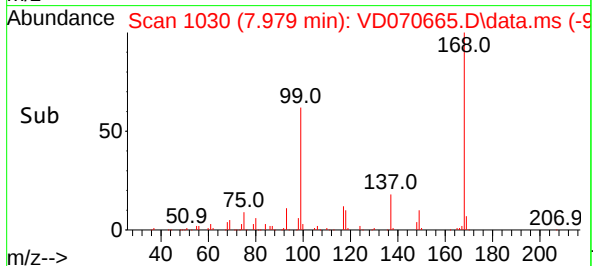
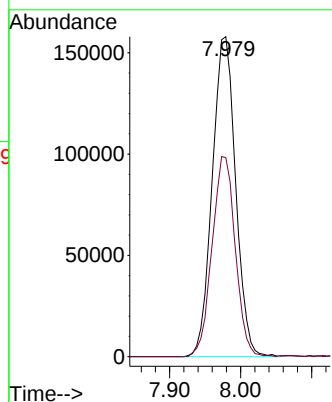
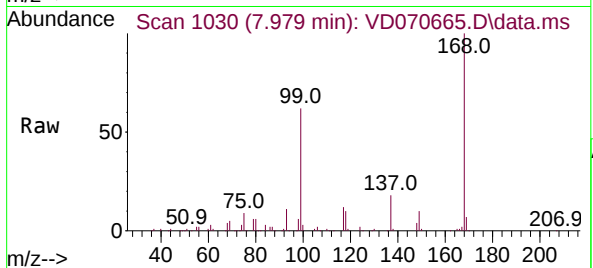




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070665.D
Acq: 11 Oct 2021 17:35

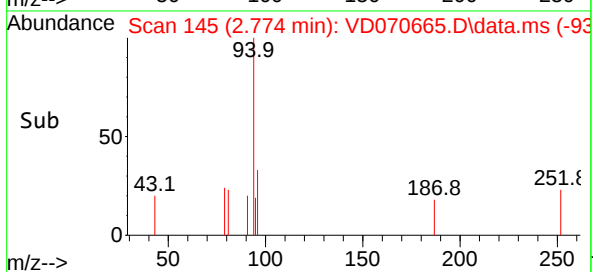
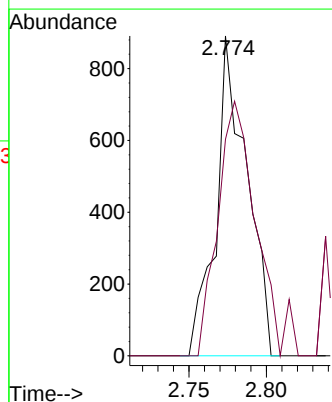
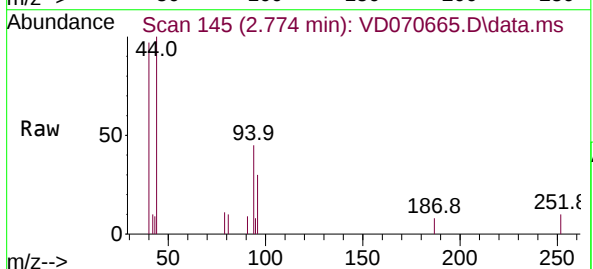
Instrument :
MSVOA_D
ClientSampleId :
BU-03-100821

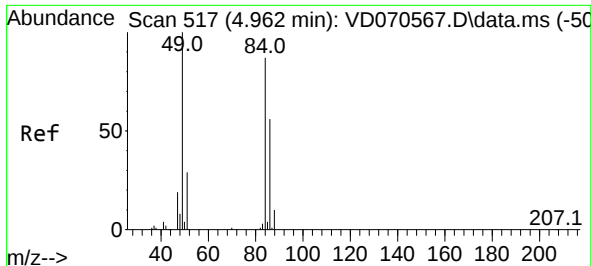
Tgt Ion:168 Resp: 360759
Ion Ratio Lower Upper
168 100
99 62.2 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.006 min
Lab File: VD070665.D
Acq: 11 Oct 2021 17:35

Tgt Ion: 94 Resp: 1232
Ion Ratio Lower Upper
94 100
96 67.7 75.5 113.3#

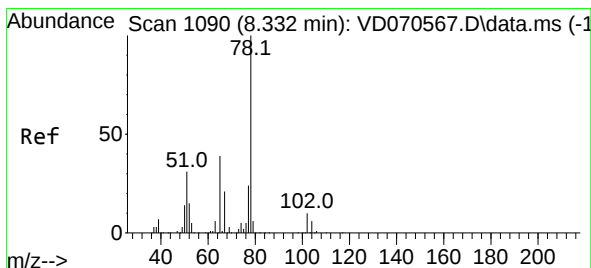
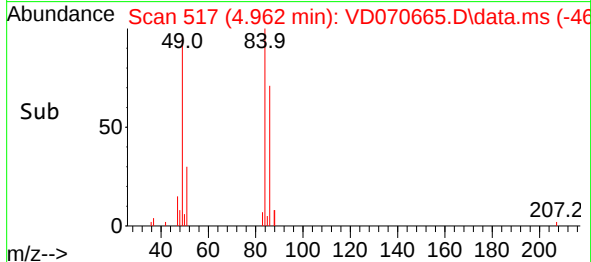
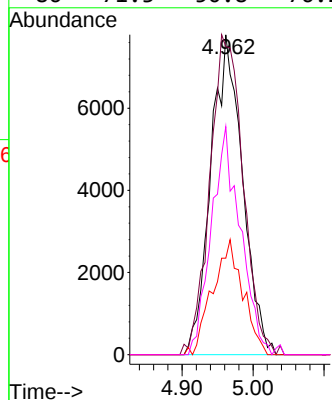
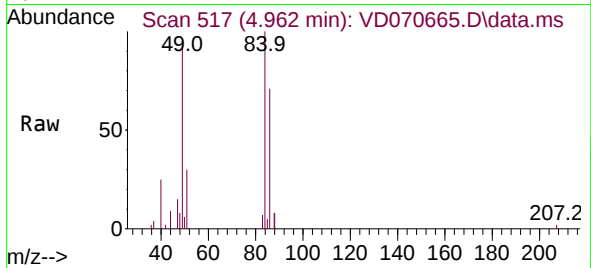




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070665.D
Acq: 11 Oct 2021 17:35

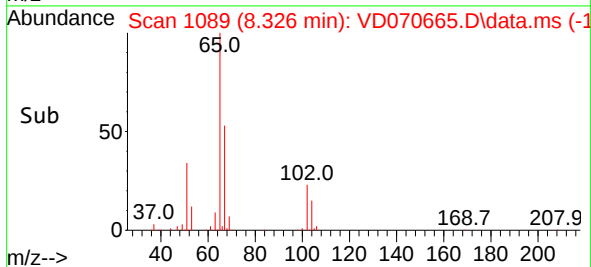
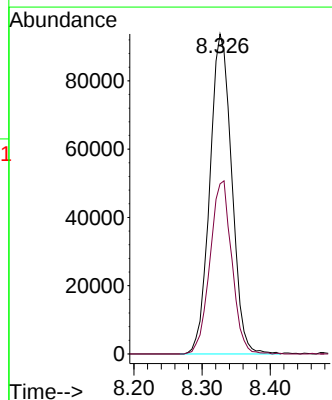
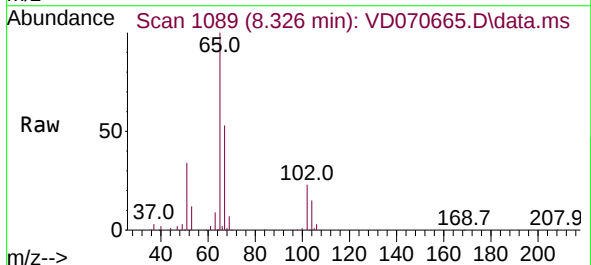
Instrument :
MSVOA_D
ClientSampleId :
BU-03-100821

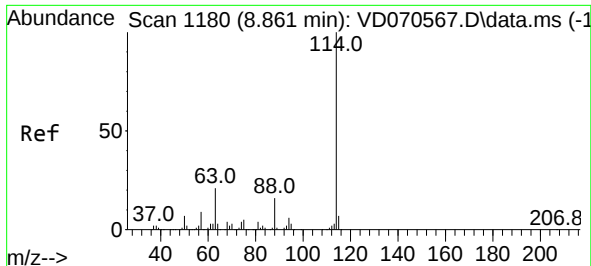
Tgt Ion:	84	Resp:	24122
Ion	Ratio	Lower	Upper
84	100		
49	96.3	91.4	137.2
51	30.2	26.7	40.1
86	71.3	50.8	76.2



#33
1,2-Dichloroethane-d4
Concen: 49.402 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070665.D
Acq: 11 Oct 2021 17:35

Tgt Ion:	65	Resp:	209743
Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	110.2



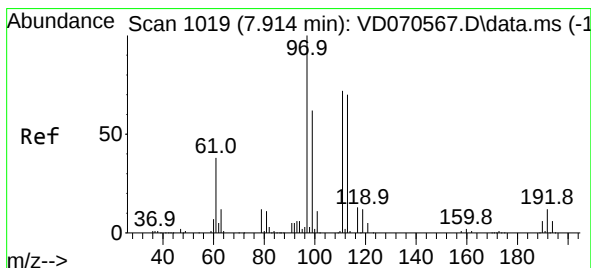
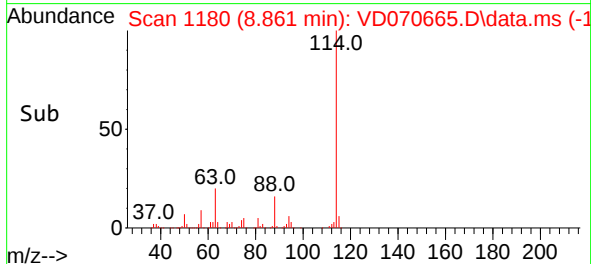
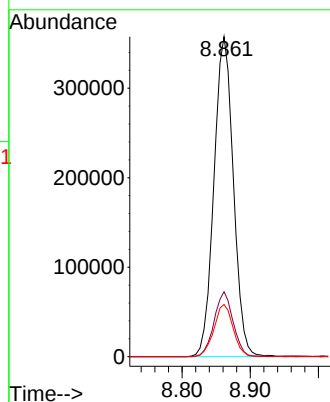
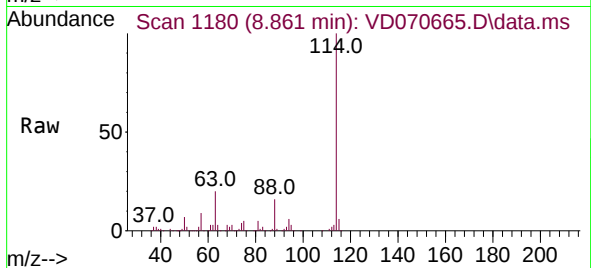


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070665.D
Acq: 11 Oct 2021 17:35

Instrument :
MSVOA_D
ClientSampleId :
BU-03-100821

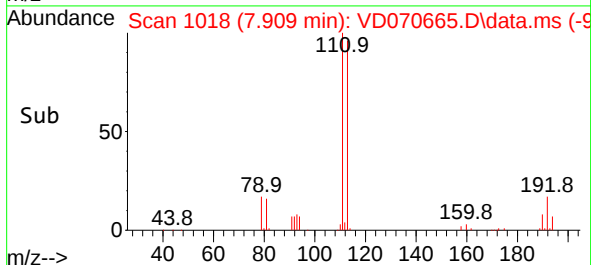
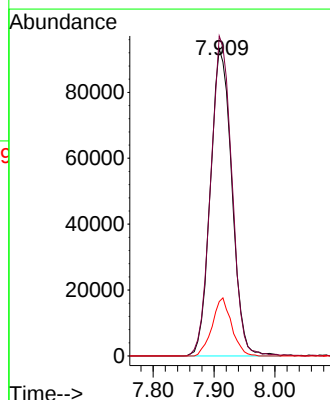
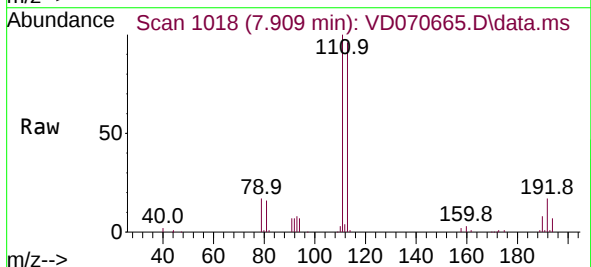
Tgt Ion:	114	Resp:	709393
Ion Ratio	Lower	Upper	
114	100		
63	20.3	0.0	41.8
88	16.3	0.0	32.6

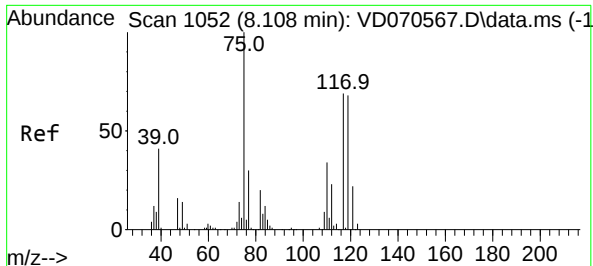


#35

Dibromofluoromethane
Concen: 48.377 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070665.D
Acq: 11 Oct 2021 17:35

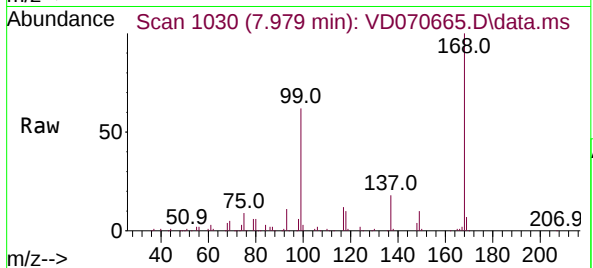
Tgt Ion:	113	Resp:	228169
Ion Ratio	Lower	Upper	
113	100		
111	102.9	83.1	124.7
192	17.1	12.7	19.1



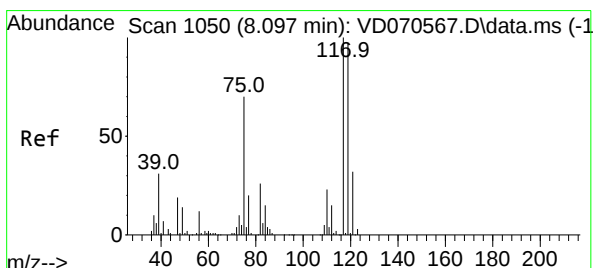
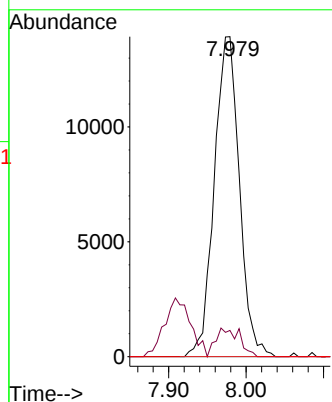
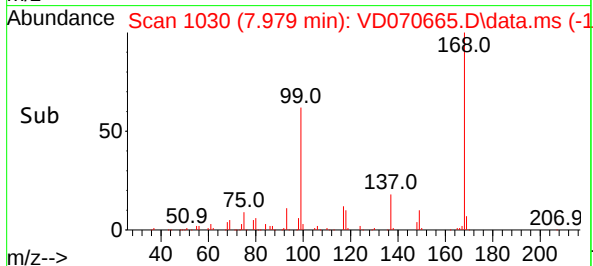


#36
1,1-Dichloropropene
Concen: 4.173 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070665.D
Acq: 11 Oct 2021 17:35

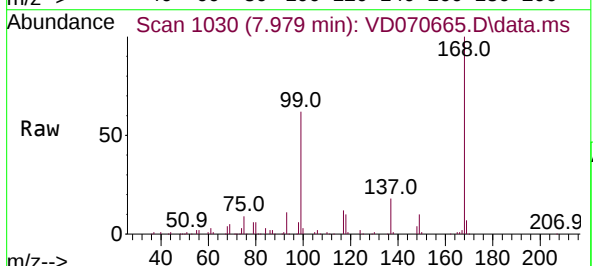
Instrument :
MSVOA_D
ClientSampleId :
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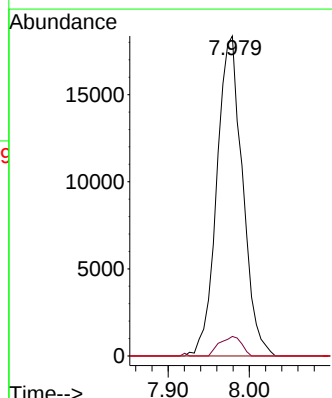
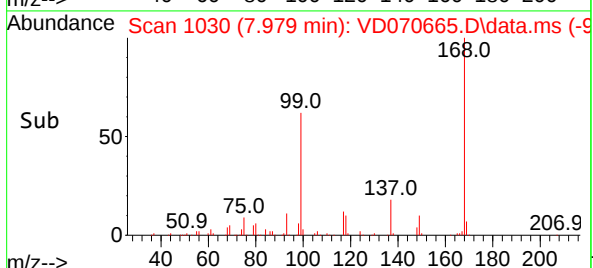
Tgt Ion: 75 Resp: 31442
Ion Ratio Lower Upper
75 100
110 8.5 17.2 51.6#
77 0.0 24.2 36.4#

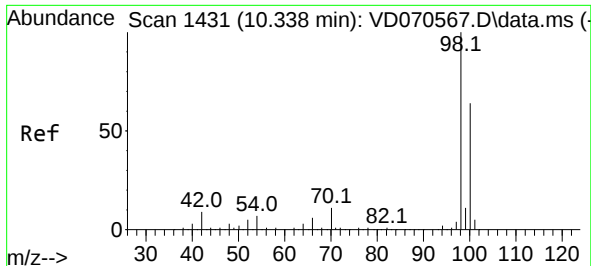


#38
Carbon Tetrachloride
Concen: 5.120 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070665.D
Acq: 11 Oct 2021 17:35



Tgt Ion: 117 Resp: 40372
Ion Ratio Lower Upper
117 100
119 6.1 77.4 116.0#
121 0.0 25.4 38.0#

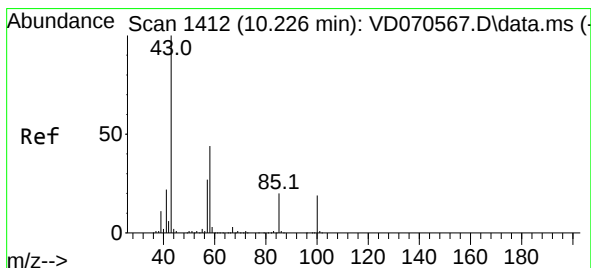
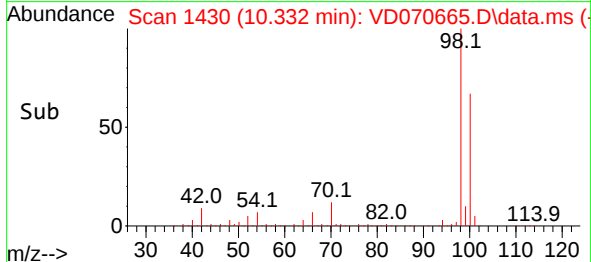
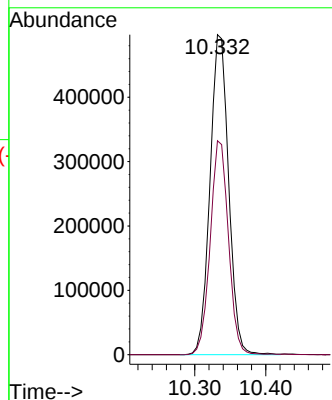
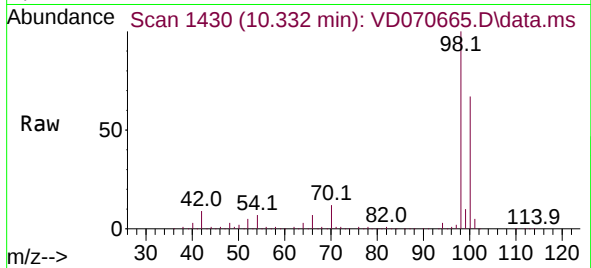




#50
Toluene-d8
Concen: 50.155 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070665.D
Acq: 11 Oct 2021 17:35

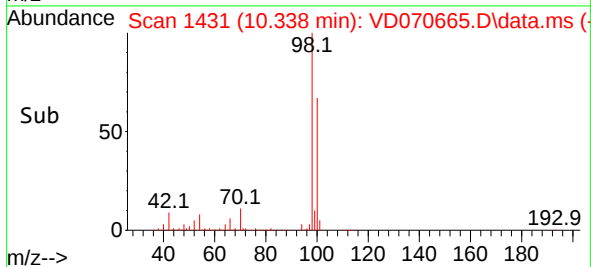
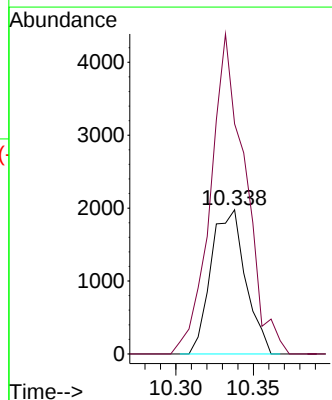
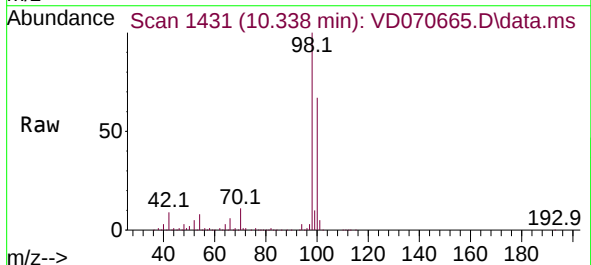
Instrument :
MSVOA_D
ClientSampleId :
BU-03-100821

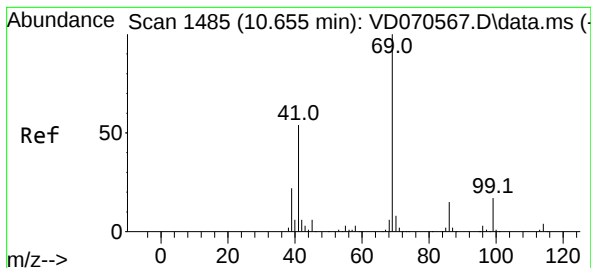
Tgt Ion: 98 Resp: 904318
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.293 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD070665.D
Acq: 11 Oct 2021 17:35

Tgt Ion: 43 Resp: 3060
Ion Ratio Lower Upper
43 100
58 223.5 35.0 52.6#

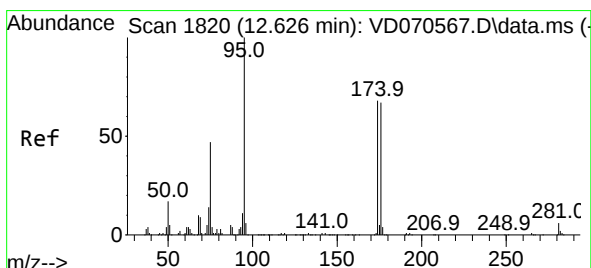
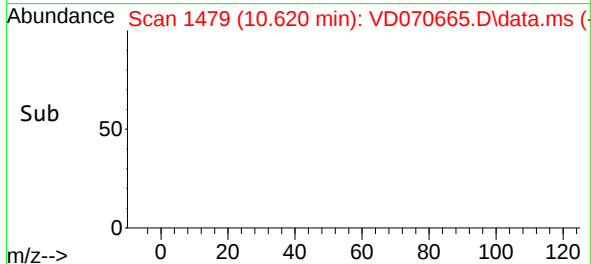
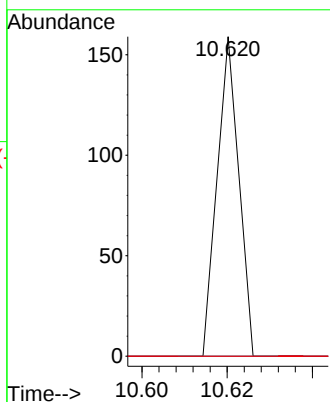
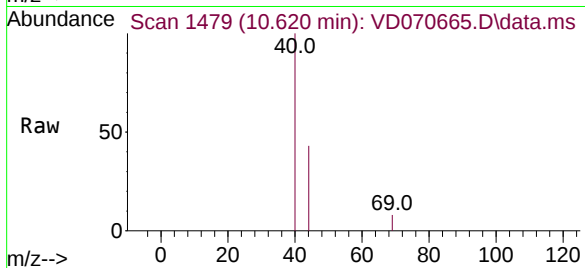




#56
Ethyl methacrylate
Concen: 1.385 ug/l
RT: 10.620 min Scan# 1479
Delta R.T. -0.035 min
Lab File: VD070665.D
Acq: 11 Oct 2021 17:35

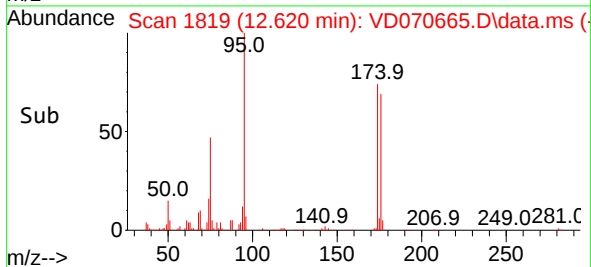
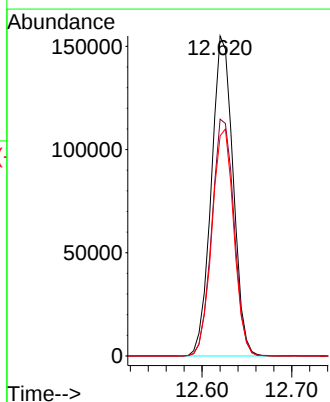
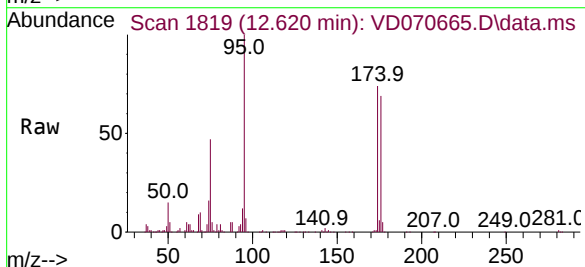
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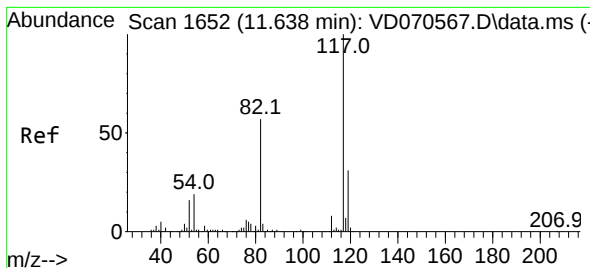
Tgt Ion: 69	Resp: 56
Ion Ratio	Lower Upper
69 100	
41 0.0	44.7 67.1#
39 0.0	19.5 29.3#



#62
4-Bromofluorobenzene
Concen: 43.291 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070665.D
Acq: 11 Oct 2021 17:35

Tgt Ion: 95	Resp: 260882
Ion Ratio	Lower Upper
95 100	
174 75.5	0.0 138.0
176 71.6	0.0 135.6

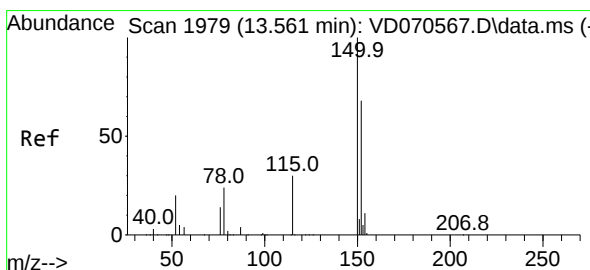
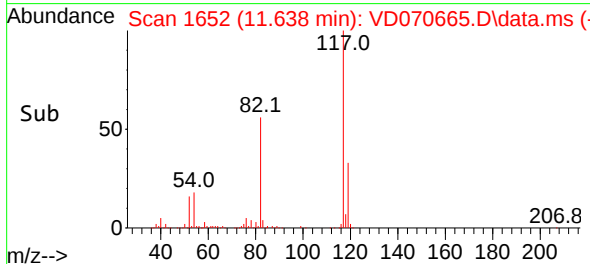
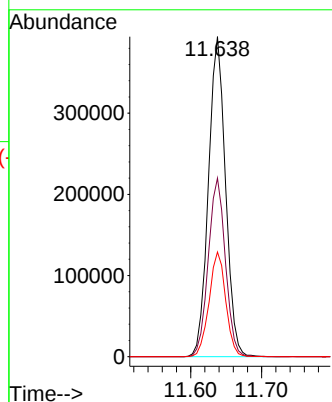
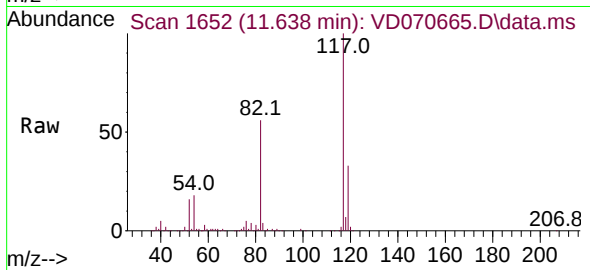




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070665.D
Acq: 11 Oct 2021 17:35

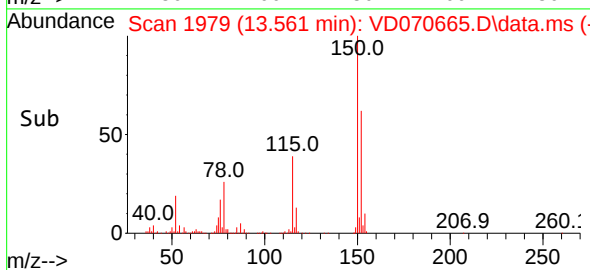
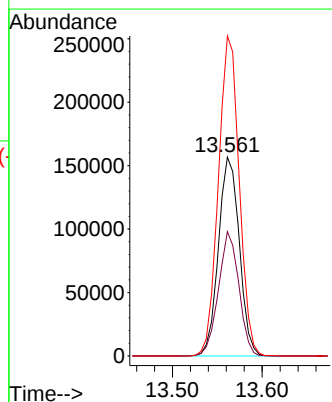
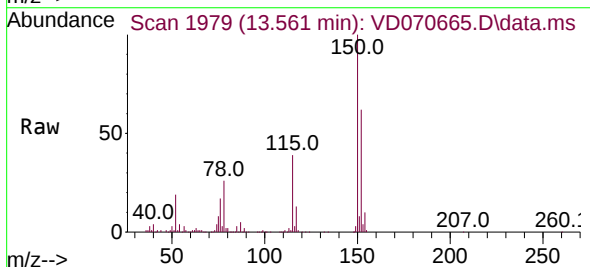
Instrument :
MSVOA_D
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BU-03-100821

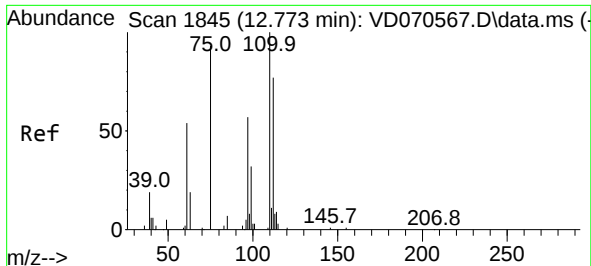
Tgt Ion:117 Resp: 658712
Ion Ratio Lower Upper
117 100
82 55.8 45.4 68.2
119 32.7 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070665.D
Acq: 11 Oct 2021 17:35

Tgt Ion:152 Resp: 253240
Ion Ratio Lower Upper
152 100
115 61.0 31.9 95.7
150 160.3 0.0 350.0

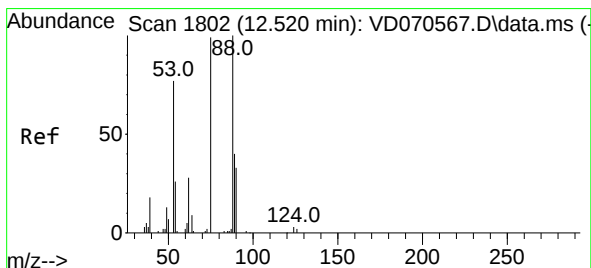
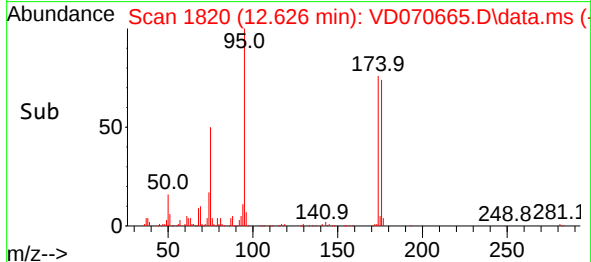
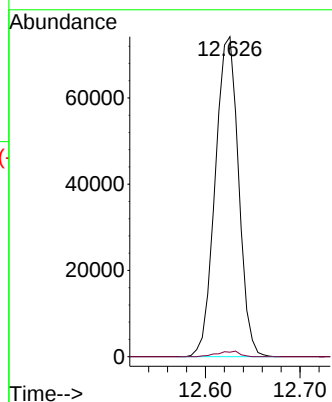
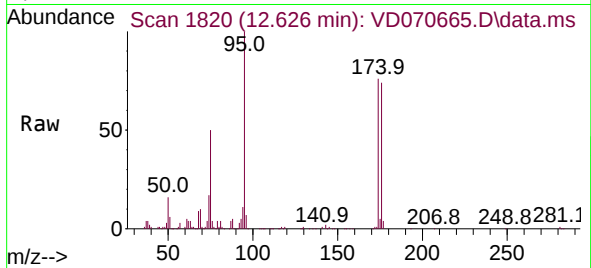




#76
1,2,3-Trichloropropane
Concen: 55.550 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070665.D
Acq: 11 Oct 2021 17:35

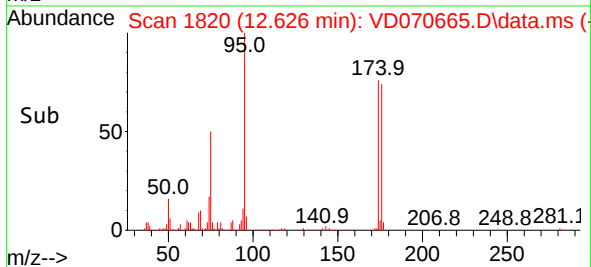
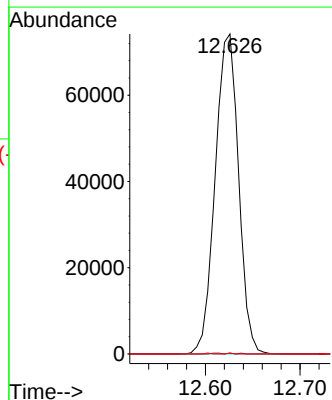
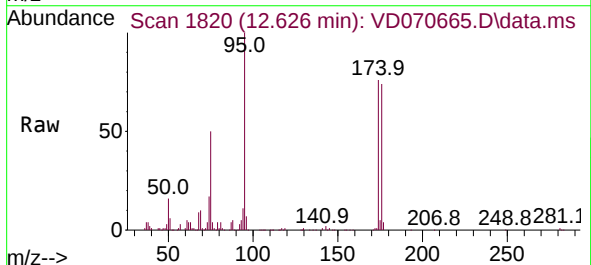
Instrument :
MSVOA_D
ClientSampleId :
BU-03-100821

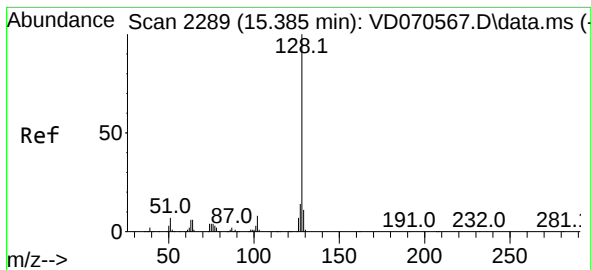
Tgt Ion: 75 Resp: 127325
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.330 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070665.D
Acq: 11 Oct 2021 17:35

Tgt Ion: 75 Resp: 127325
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.1 35.3 52.9#





#95
Naphthalene
Concen: 2.587 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD070665.D
Acq: 11 Oct 2021 17:35

Instrument :
MSVOA_D
ClientSampleId :
BU-03-100821

Tgt Ion:128 Resp: 825
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

