

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101121\
 Data File : VD070663.D
 Acq On : 11 Oct 2021 16:38
 Operator : VA/SY
 Sample : M4117-07RE
 Misc : 4.65G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3(1.5-2.0)

Quant Time: Oct 12 05:41:53 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)

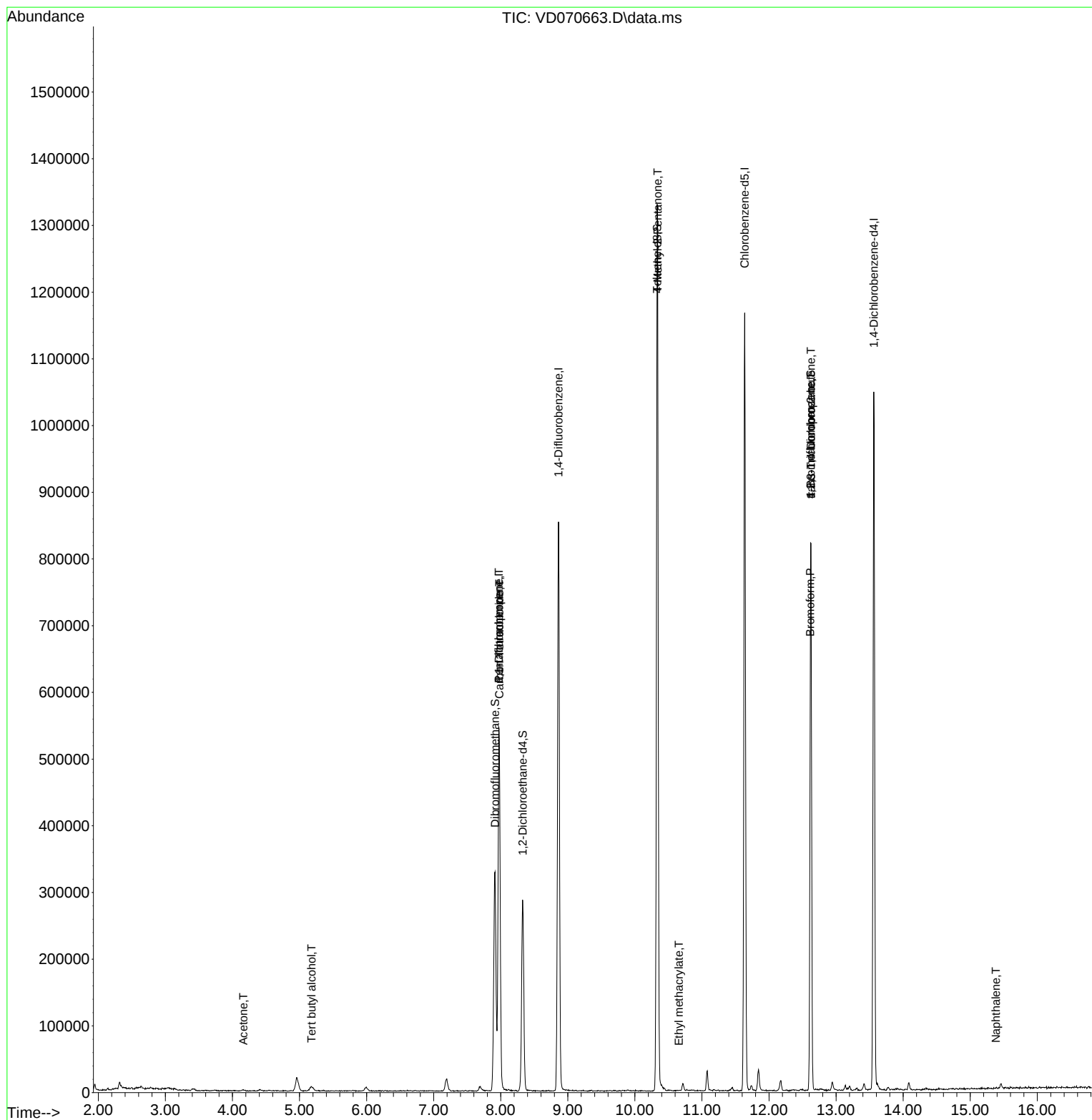
Internal Standards						
1) Pentafluorobenzene	7.973	168	380977	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	738510	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	691448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	281637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	227519	50.745	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.500%			
35) Dibromofluoromethane	7.914	113	242074	49.302	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.600%			
50) Toluene-d8	10.332	98	948793	50.547	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.100%			
62) 4-Bromofluorobenzene	12.620	95	295290	47.069	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.140%			
Target Compounds						
5) Bromomethane	2.774	94	1829	Below Cal		98
11) Tert butyl alcohol	5.179	59	6666	30.013 ug/l #		83
16) Acetone	4.162	43	2193	2.880 ug/l #		70
20) Methylene Chloride	4.956	84	15950	Below Cal		92
36) 1,1-Dichloropropene	7.973	75	34136	4.352 ug/l #		50
38) Carbon Tetrachloride	7.979	117	41852	5.099 ug/l #		16
51) 4-Methyl-2-Pentanone	10.338	43	3013	1.223 ug/l #		1
56) Ethyl methacrylate	10.655	69	184	1.410 ug/l #		67
59) 2-Hexanone	10.973	43	125	Below Cal #		20
71) Bromoform	12.614	173	2709	1.052 ug/l #		28
76) 1,2,3-Trichloropropane	12.626	75	141290	55.427 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.626	75	141290	123.057 ug/l #		17
95) Naphthalene	15.385	128	870	2.582 ug/l #		69

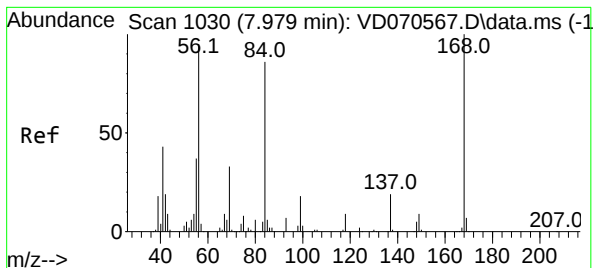
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD070663.D

Acq: 11 Oct 2021 16:38

Instrument :

MSVOA_D

ClientSampleId :

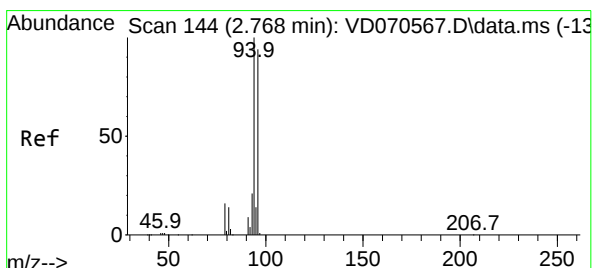
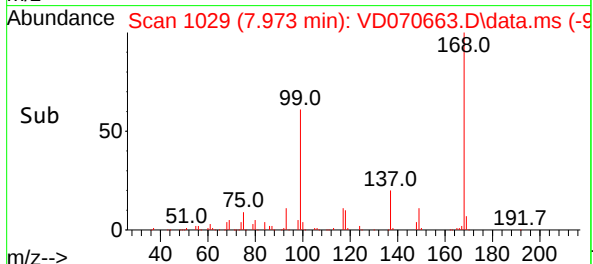
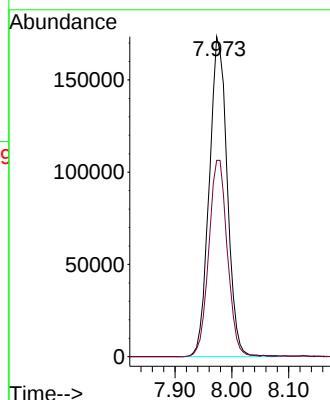
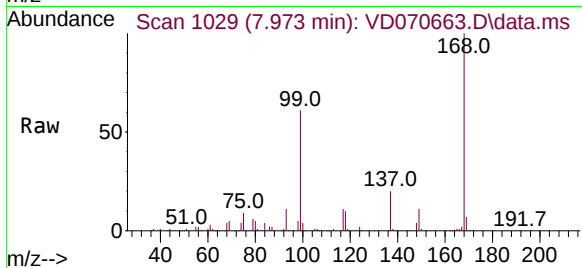
SB-3(1.5-2.0)

Tgt Ion:168 Resp: 380977

Ion Ratio Lower Upper

168 100

99 61.4 51.4 77.0



#5

Bromomethane

Concen: Below Cal

RT: 2.774 min Scan# 145

Delta R.T. 0.006 min

Lab File: VD070663.D

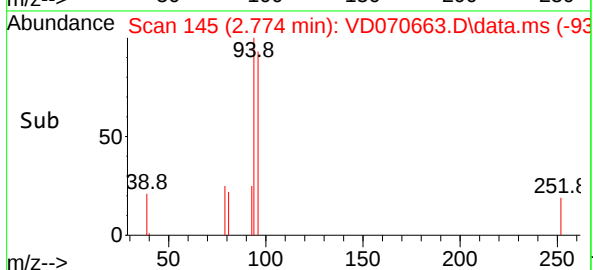
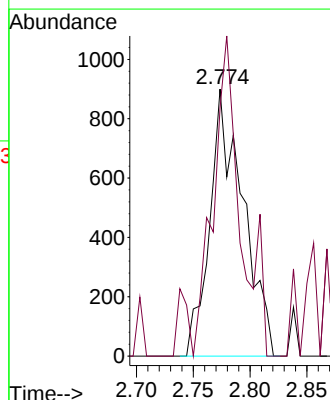
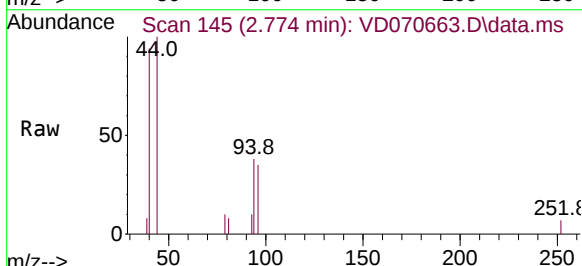
Acq: 11 Oct 2021 16:38

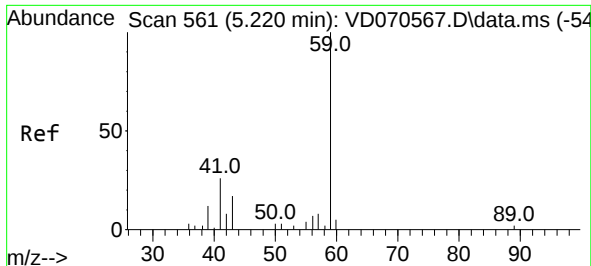
Tgt Ion: 94 Resp: 1829

Ion Ratio Lower Upper

94 100

96 92.9 75.5 113.3



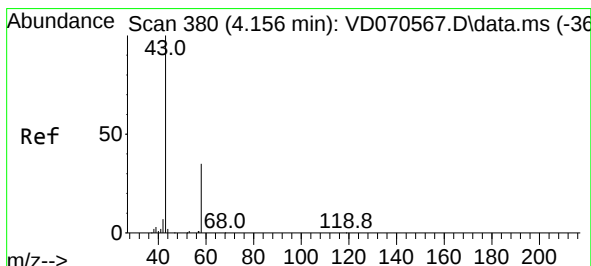
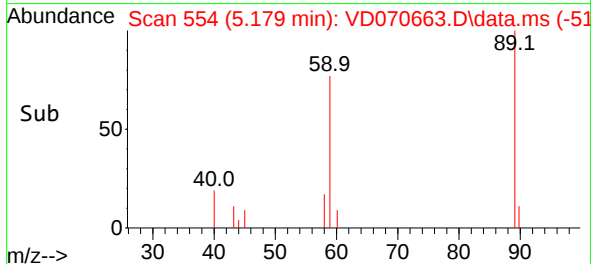
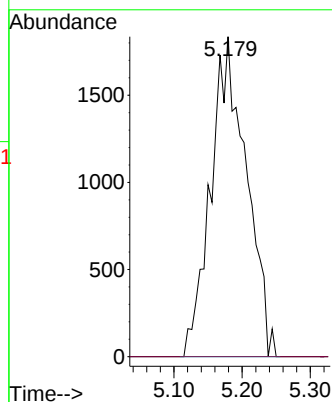
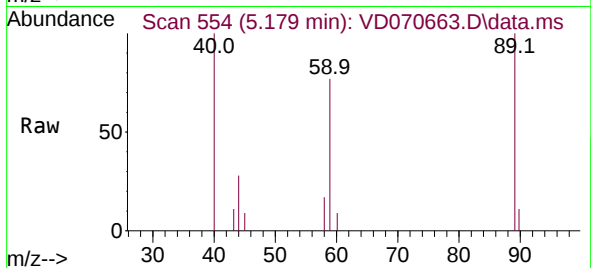


#11

Tert butyl alcohol
Concen: 30.013 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.041 min
Lab File: VD070663.D
Acq: 11 Oct 2021 16:38

Instrument :
MSVOA_D
ClientSampleId :
SB-3(1.5-2.0)

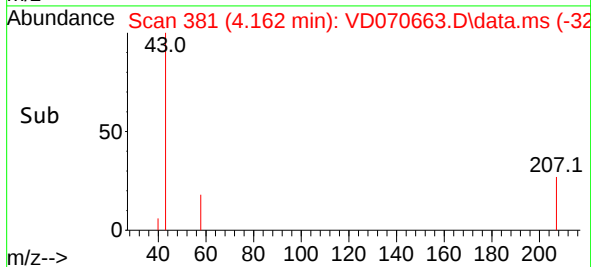
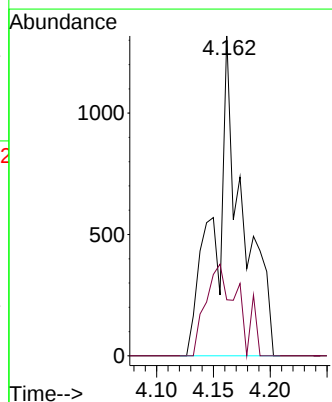
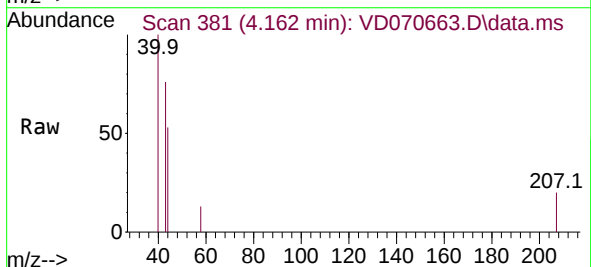
Tgt Ion: 59 Resp: 6666
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

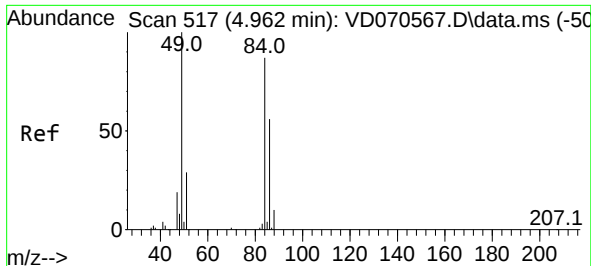


#16

Acetone
Concen: 2.880 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070663.D
Acq: 11 Oct 2021 16:38

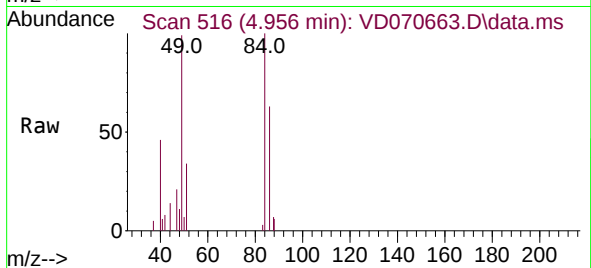
Tgt Ion: 43 Resp: 2193
Ion Ratio Lower Upper
43 100
58 17.5 28.2 42.2#



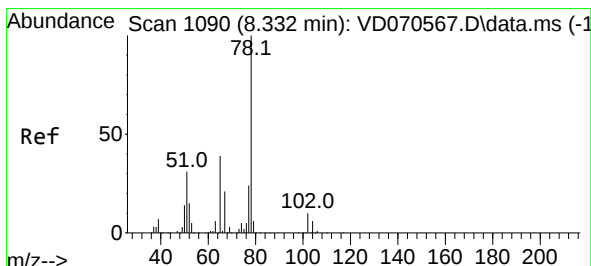
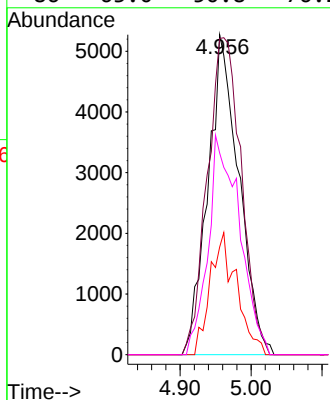
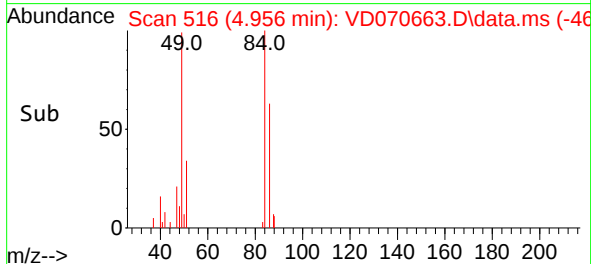


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070663.D
Acq: 11 Oct 2021 16:38

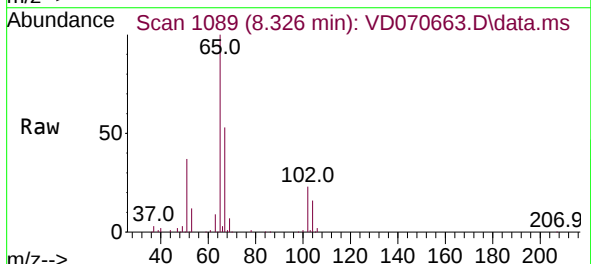
Instrument :
MSVOA_D
ClientSampleId :
SB-3(1.5-2.0)



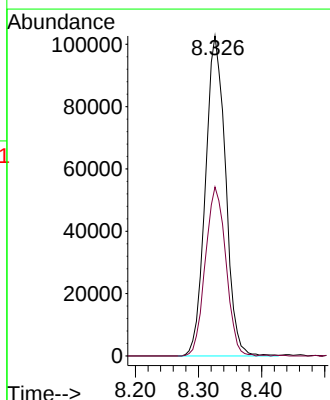
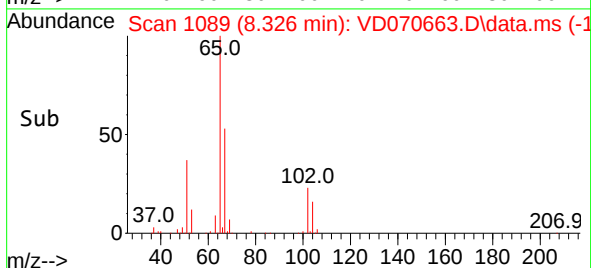
Tgt Ion:	84	Resp:	15950
Ion	Ratio	Lower	Upper
84	100		
49	98.8	91.4	137.2
51	33.6	26.7	40.1
86	63.0	50.8	76.2

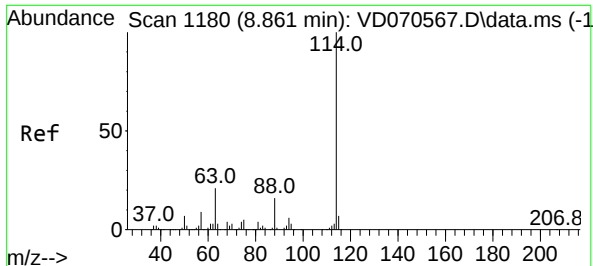


#33
1,2-Dichloroethane-d4
Concen: 50.745 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070663.D
Acq: 11 Oct 2021 16:38



Tgt Ion:	65	Resp:	227519
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: VD070663.D

Acq: 11 Oct 2021 16:38

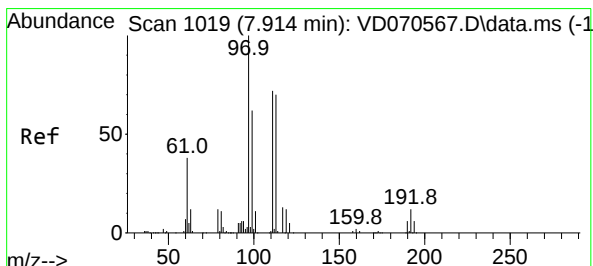
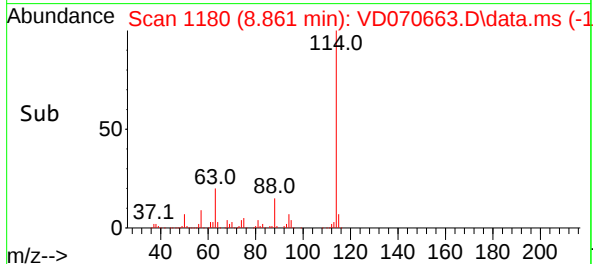
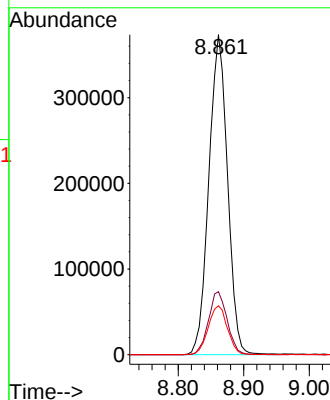
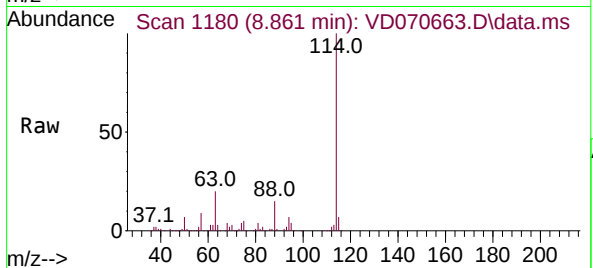
Instrument :

MSVOA_D

ClientSampleId :

SB-3(1.5-2.0)

Tgt Ion:114	Resp:	738510
Ion	Ratio	Lower Upper
114	100	
63	19.7	0.0 41.8
88	15.3	0.0 32.6



#35

Dibromofluoromethane

Concen: 49.302 ug/l

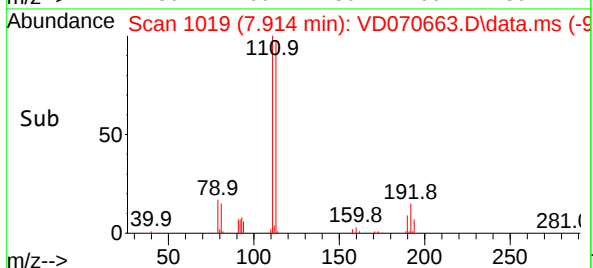
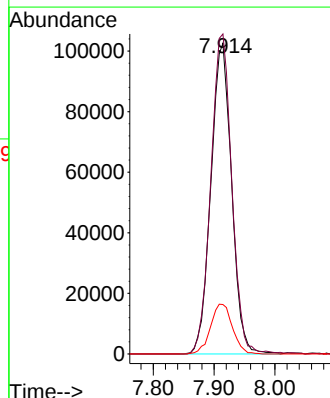
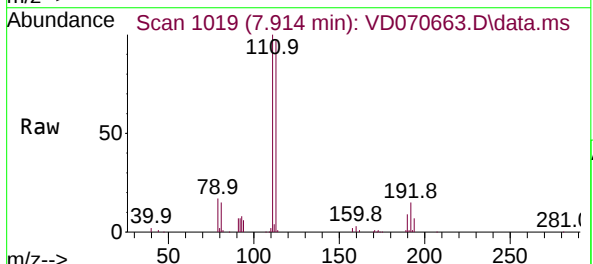
RT: 7.914 min Scan# 1019

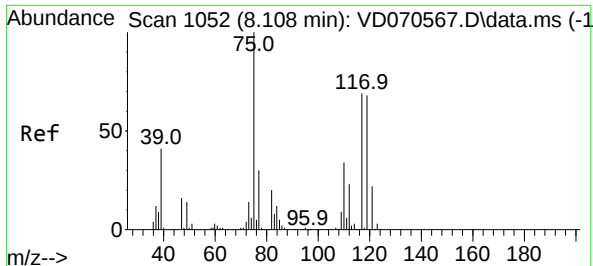
Delta R.T. 0.000 min

Lab File: VD070663.D

Acq: 11 Oct 2021 16:38

Tgt Ion:113	Resp:	242074
Ion	Ratio	Lower Upper
113	100	
111	104.4	83.1 124.7
192	16.9	12.7 19.1

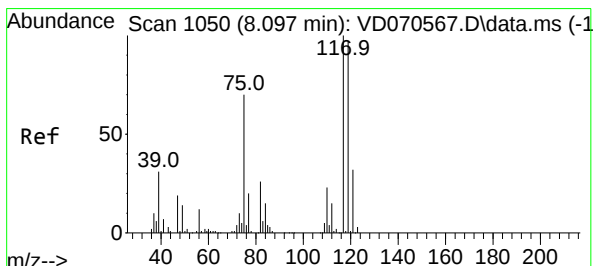
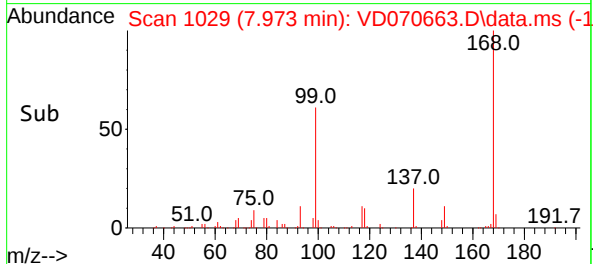
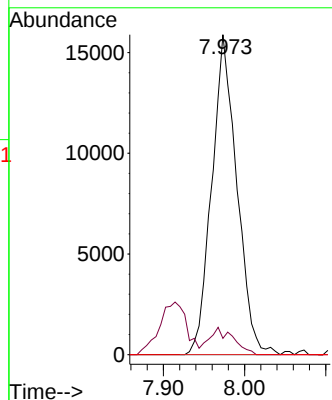
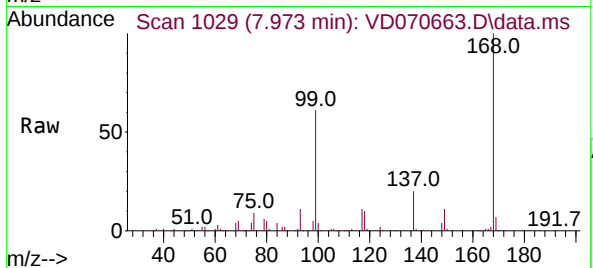




#36
1,1-Dichloropropene
Concen: 4.352 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070663.D
Acq: 11 Oct 2021 16:38

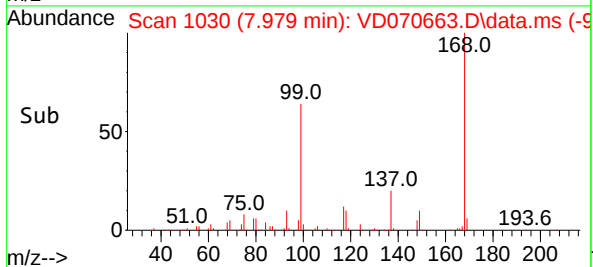
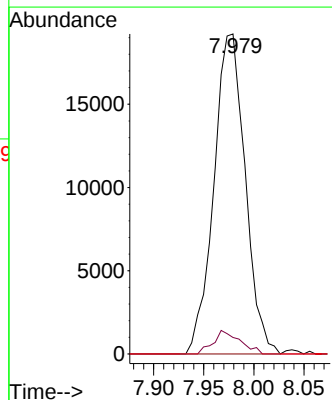
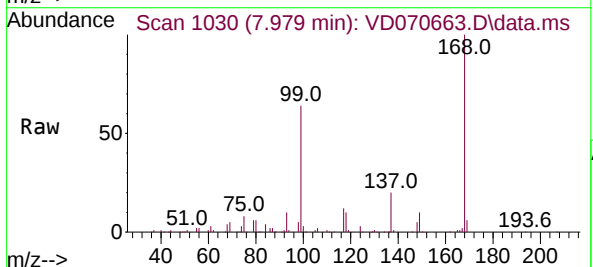
Instrument :
MSVOA_D
ClientSampleId :
SB-3(1.5-2.0)

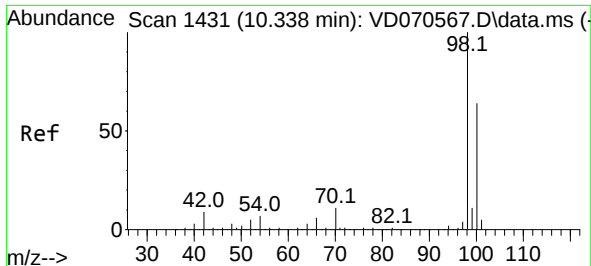
Tgt Ion: 75 Resp: 34136
Ion Ratio Lower Upper
75 100
110 8.2 17.2 51.6#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 5.099 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070663.D
Acq: 11 Oct 2021 16:38

Tgt Ion: 117 Resp: 41852
Ion Ratio Lower Upper
117 100
119 5.1 77.4 116.0#
121 0.0 25.4 38.0#

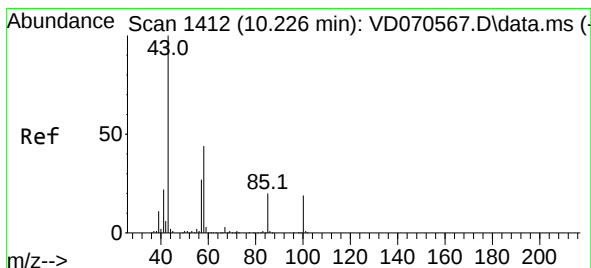
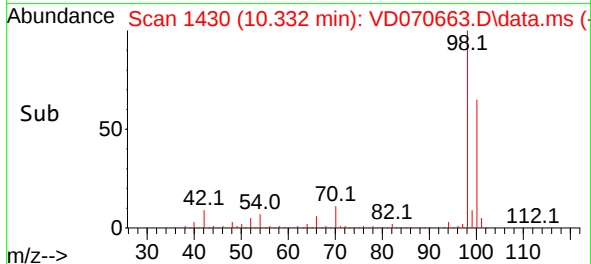
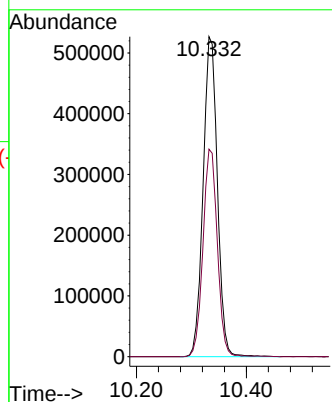
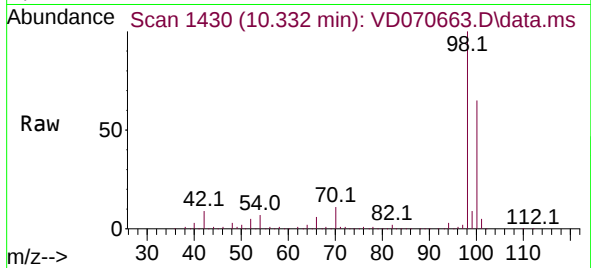




#50
Toluene-d8
Concen: 50.547 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070663.D
Acq: 11 Oct 2021 16:38

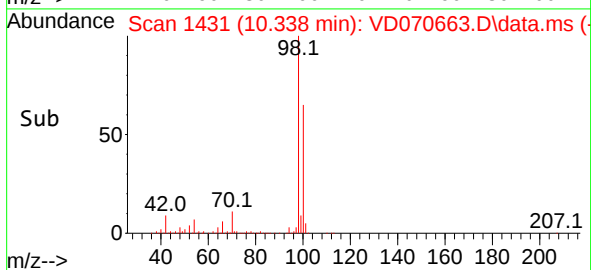
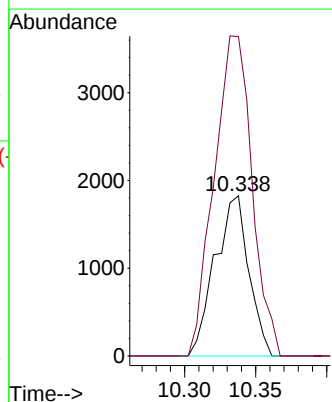
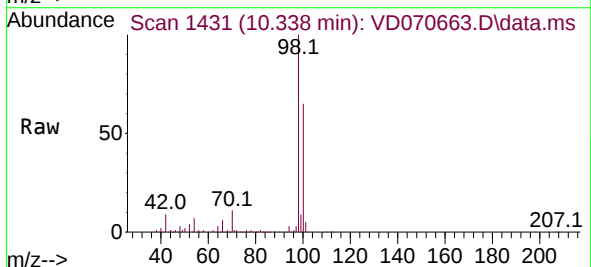
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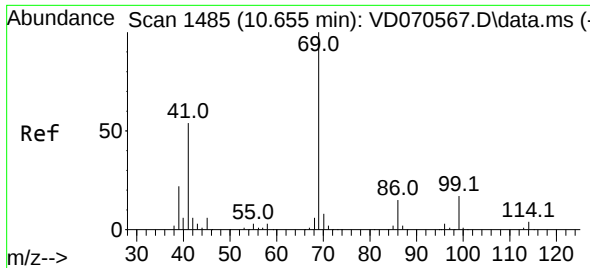
Tgt Ion: 98 Resp: 948793
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.223 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD070663.D
Acq: 11 Oct 2021 16:38

Tgt Ion: 43 Resp: 3013
Ion Ratio Lower Upper
43 100
58 224.8 35.0 52.6#

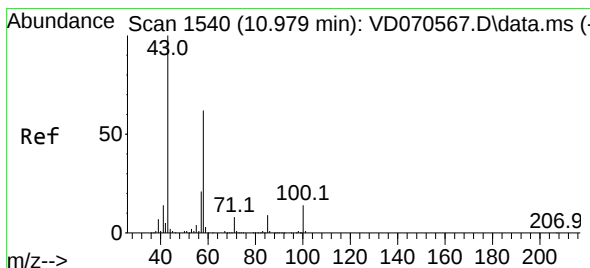
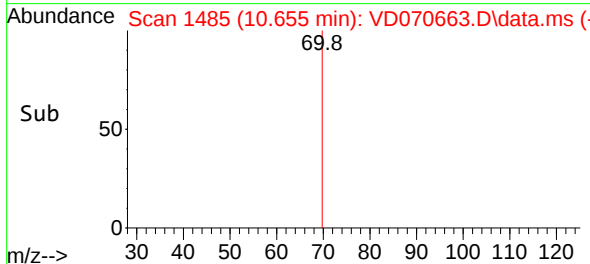
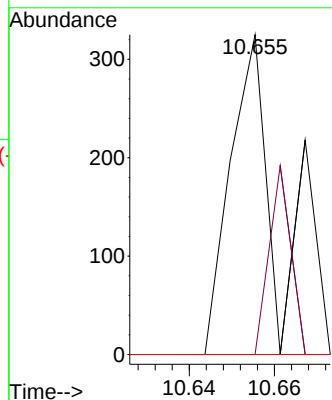
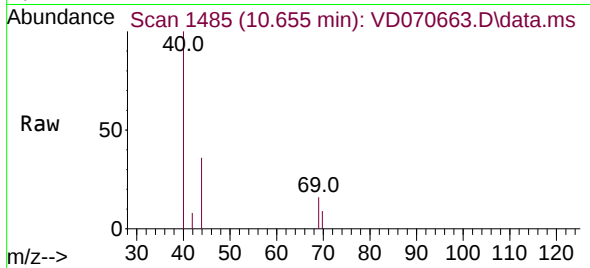




#56
Ethyl methacrylate
Concen: 1.410 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD070663.D
Acq: 11 Oct 2021 16:38

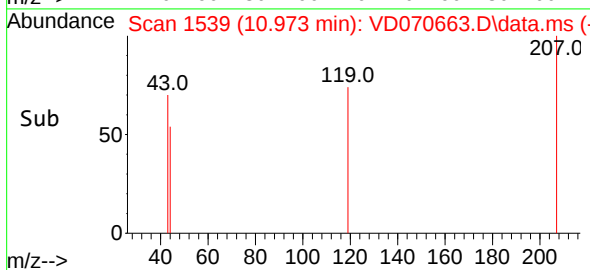
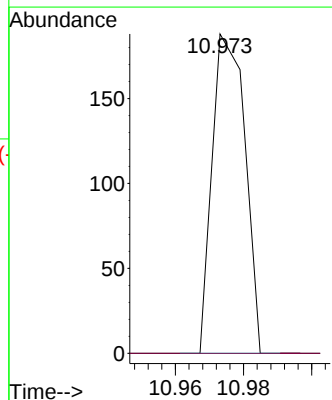
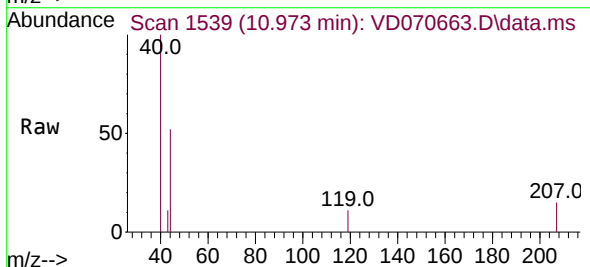
Instrument :
MSVOA_D
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SB-3(1.5-2.0)

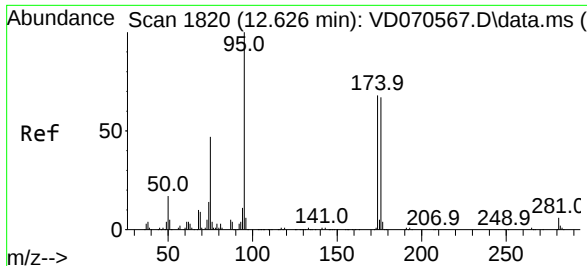
Tgt Ion: 69 Resp: 184
Ion Ratio Lower Upper
69 100
41 37.0 44.7 67.1#
39 0.0 19.5 29.3#



#59
2-Hexanone
Concen: Below Cal
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD070663.D
Acq: 11 Oct 2021 16:38

Tgt Ion: 43 Resp: 125
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#

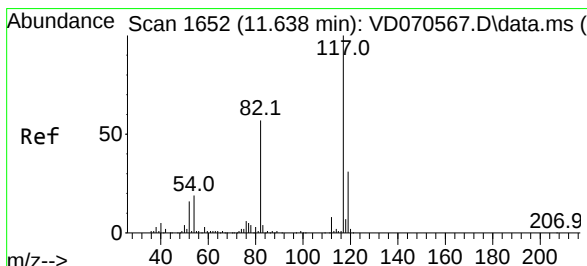
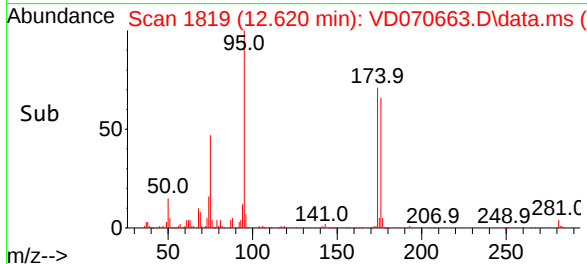
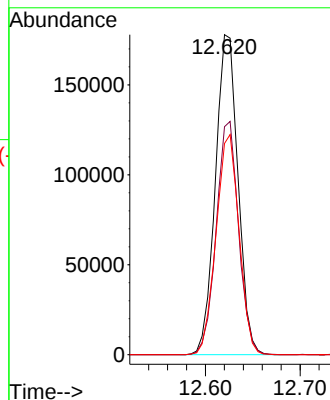
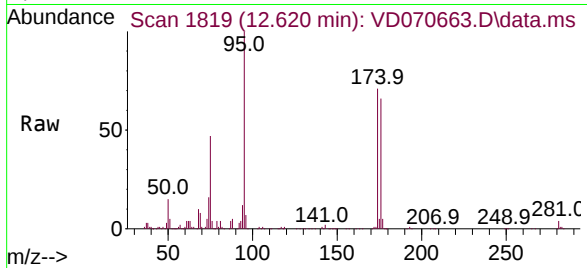




#62
4-Bromofluorobenzene
Concen: 47.069 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070663.D
Acq: 11 Oct 2021 16:38

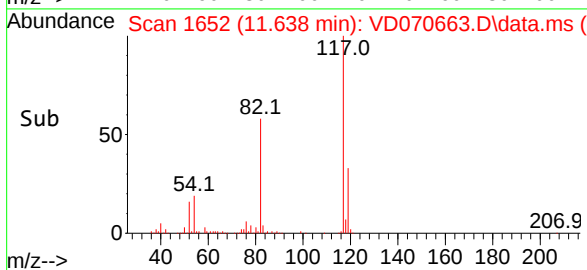
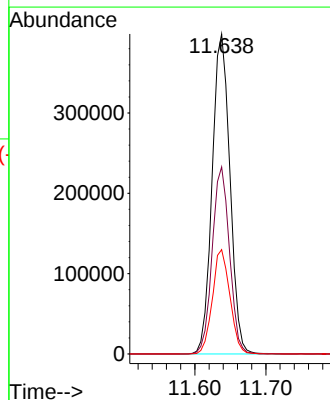
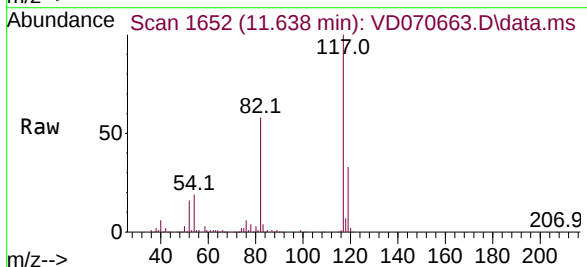
Instrument :
MSVOA_D
ClientSampleId :
SB-3(1.5-2.0)

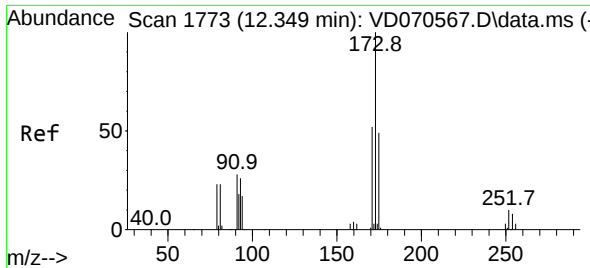
Tgt Ion: 95 Resp: 295290
Ion Ratio Lower Upper
95 100
174 72.1 0.0 138.0
176 69.8 0.0 135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070663.D
Acq: 11 Oct 2021 16:38

Tgt Ion: 117 Resp: 691448
Ion Ratio Lower Upper
117 100
82 58.4 45.4 68.2
119 32.6 24.7 37.1

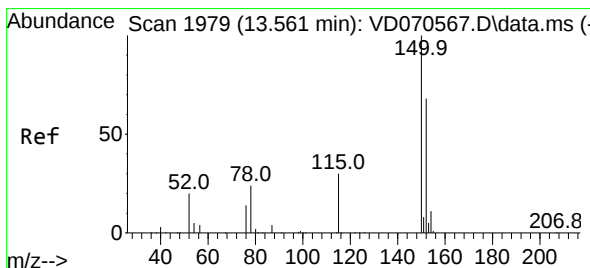
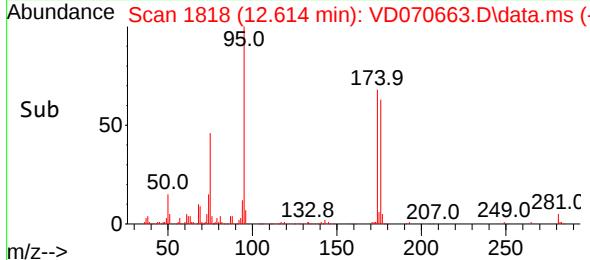
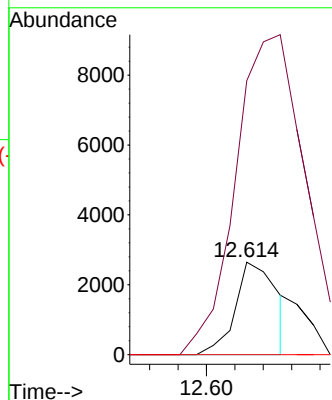
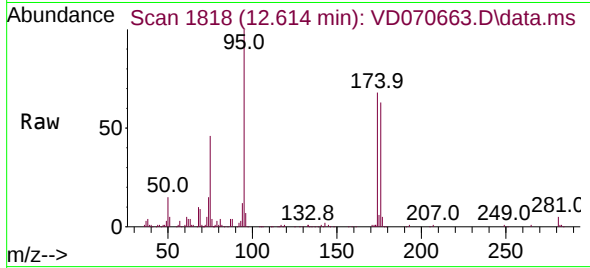




#71
Bromoform
Concen: 1.052 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.265 min
Lab File: VD070663.D
Acq: 11 Oct 2021 16:38

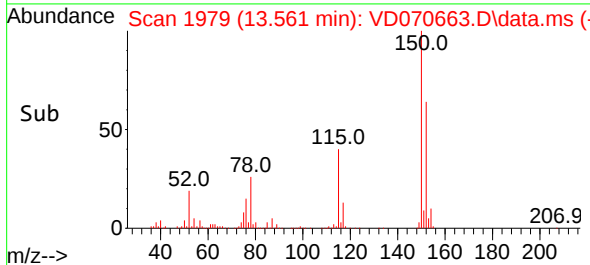
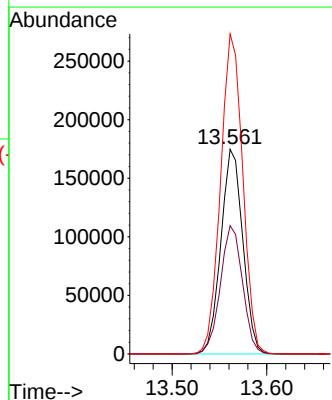
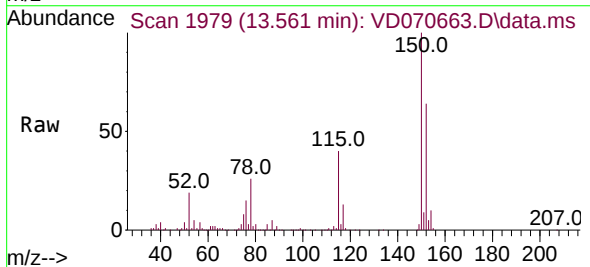
Instrument :
MSVOA_D
ClientSampleId :
SB-3(1.5-2.0)

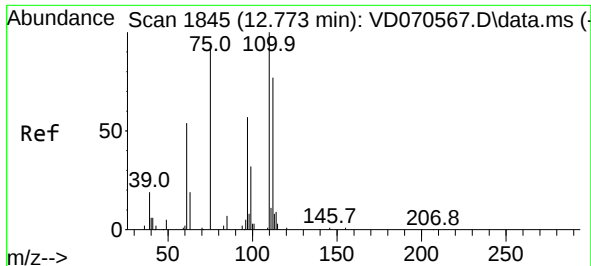
Tgt Ion:173 Resp: 2709
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070663.D
Acq: 11 Oct 2021 16:38

Tgt Ion:152 Resp: 281637
Ion Ratio Lower Upper
152 100
115 63.3 31.9 95.7
150 157.8 0.0 350.0

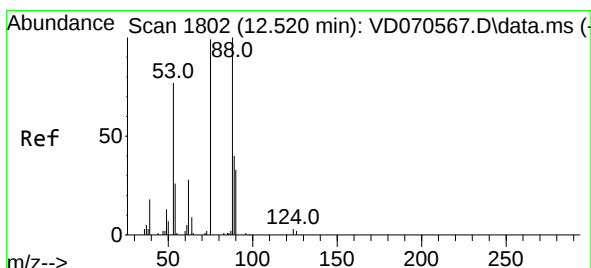
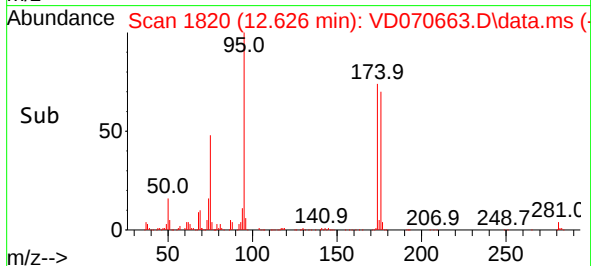
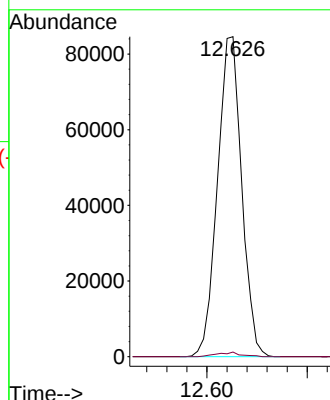
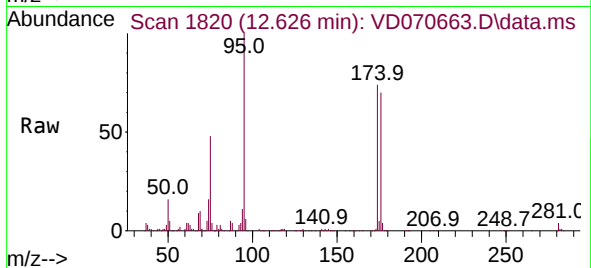




#76
1,2,3-Trichloropropane
Concen: 55.427 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070663.D
Acq: 11 Oct 2021 16:38

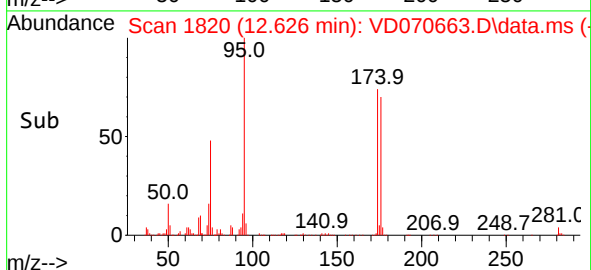
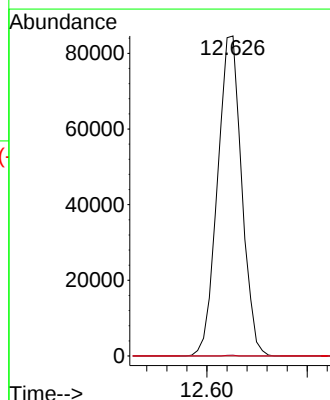
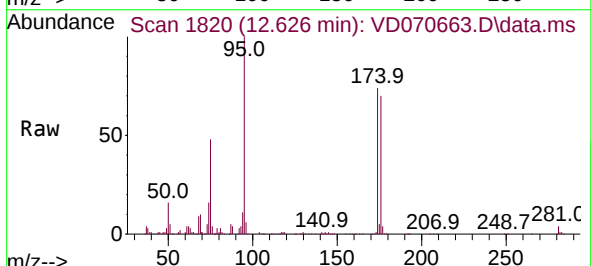
Instrument :
MSVOA_D
ClientSampleId :
SB-3(1.5-2.0)

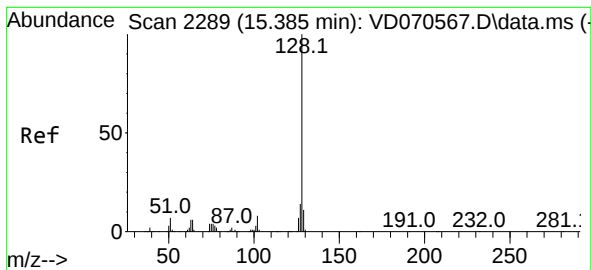
Tgt Ion: 75 Resp: 141290
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.057 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070663.D
Acq: 11 Oct 2021 16:38

Tgt Ion: 75 Resp: 141290
Ion Ratio Lower Upper
75 100
53 0.1 64.5 96.7#
89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 2.582 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD070663.D
Acq: 11 Oct 2021 16:38

Instrument :
MSVOA_D
ClientSampleId :
SB-3(1.5-2.0)

Tgt Ion:128 Resp: 870
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

