

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101121\
 Data File : VD070662.D
 Acq On : 11 Oct 2021 16:09
 Operator : VA/SY
 Sample : M4117-04RE
 Misc : 4.94G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1(9.5-10.0)

Quant Time: Oct 12 05:41:36 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)

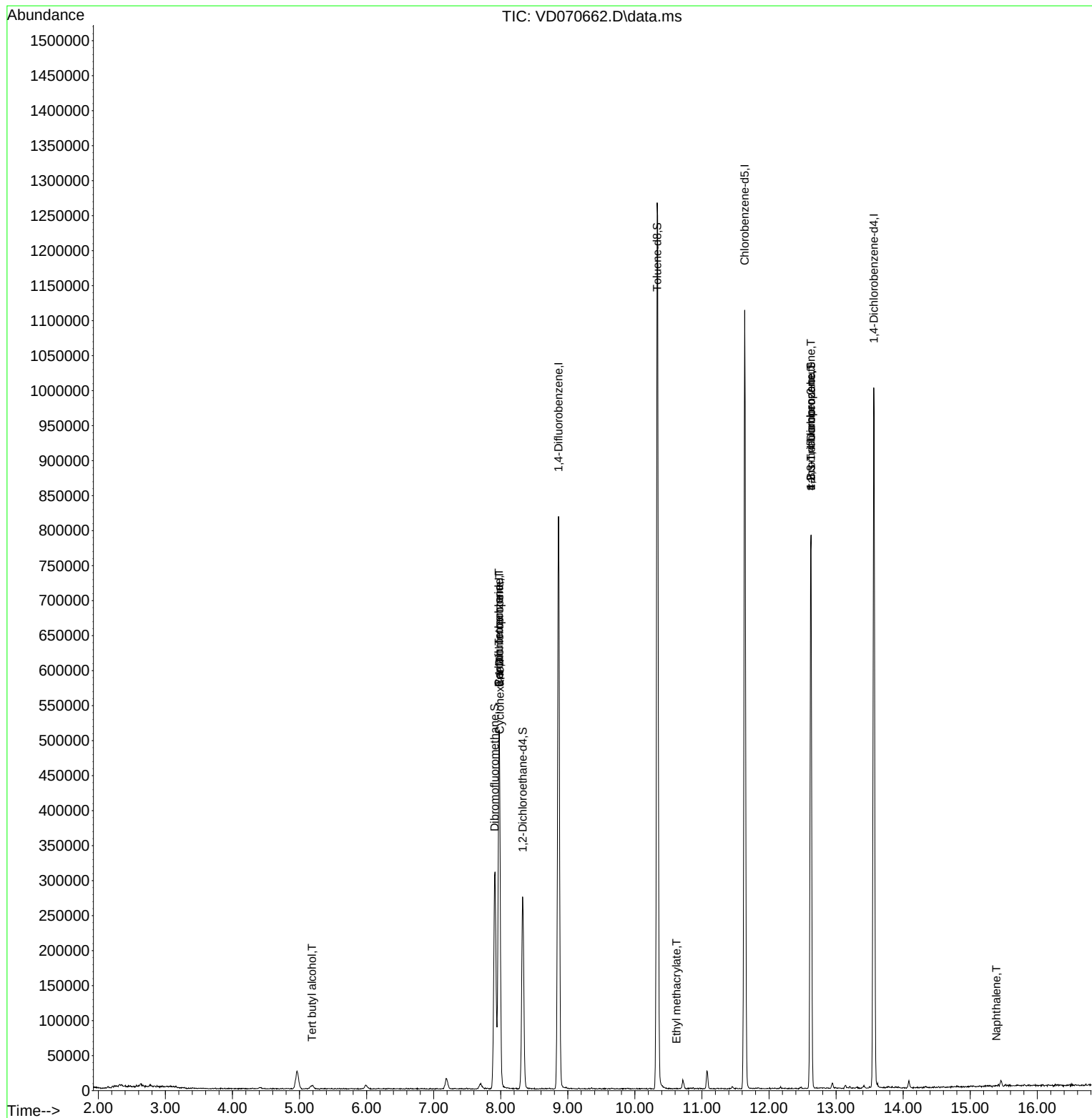
Internal Standards						
1) Pentafluorobenzene	7.973	168	360246	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	704153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	657653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	276268	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	218812	51.612	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.220%	
35) Dibromofluoromethane	7.909	113	229845	49.095	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.200%	
50) Toluene-d8	10.332	98	897252	50.134	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.260%	
62) 4-Bromofluorobenzene	12.626	95	279736	46.766	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.540%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	1508	Below Cal		98
11) Tert butyl alcohol	5.185	59	4030	19.189 ug/l	#	83
20) Methylene Chloride	4.968	84	20797	Below Cal	#	93
31) Cyclohexane	7.985	56	7940	1.011 ug/l	#	1
36) 1,1-Dichloropropene	7.979	75	31299	4.185 ug/l	#	50
38) Carbon Tetrachloride	7.973	117	42176	5.389 ug/l	#	14
56) Ethyl methacrylate	10.620	69	66	1.387 ug/l	#	32
59) 2-Hexanone	10.973	43	78	Below Cal	#	20
76) 1,2,3-Trichloropropane	12.626	75	133537	53.404 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.626	75	133537	118.565 ug/l	#	17
95) Naphthalene	15.391	128	972	2.595 ug/l	#	79

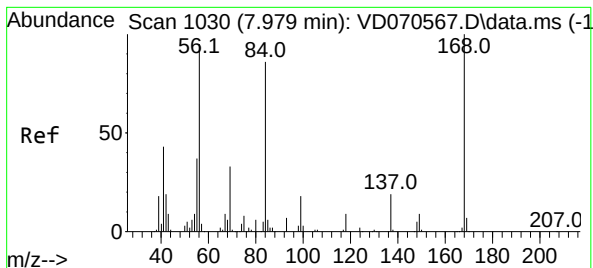
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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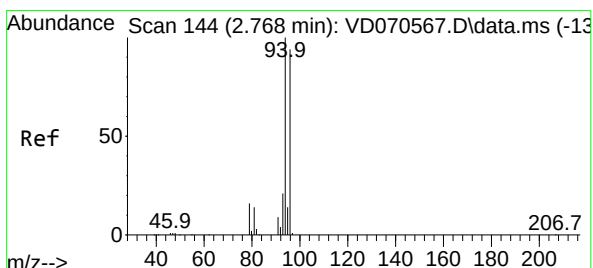
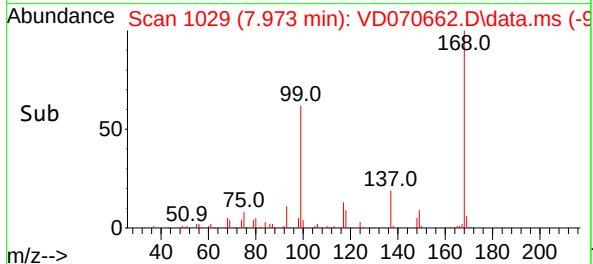
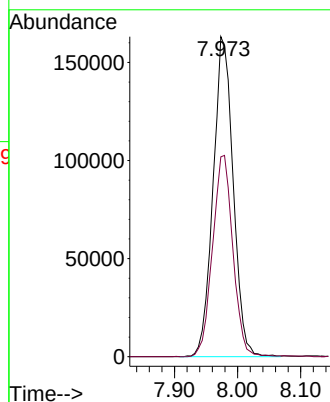
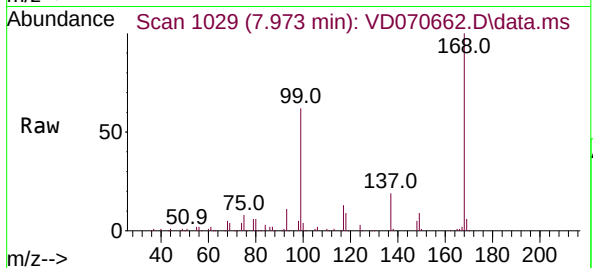




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070662.D
Acq: 11 Oct 2021 16:09

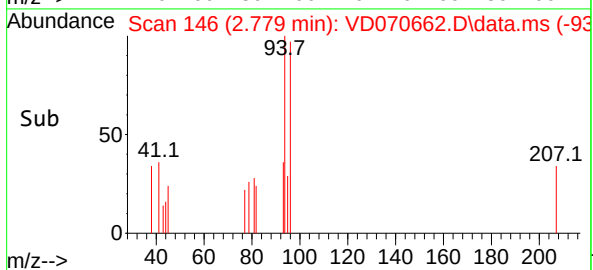
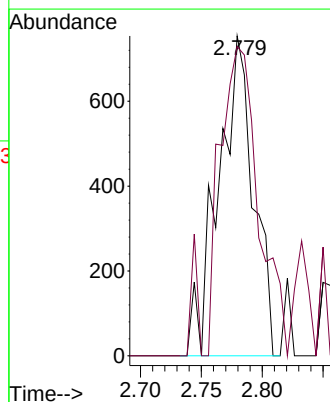
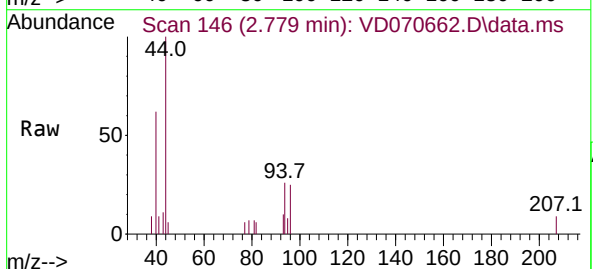
Instrument :
MSVOA_D
ClientSampleId :
SB-1(9.5-10.0)

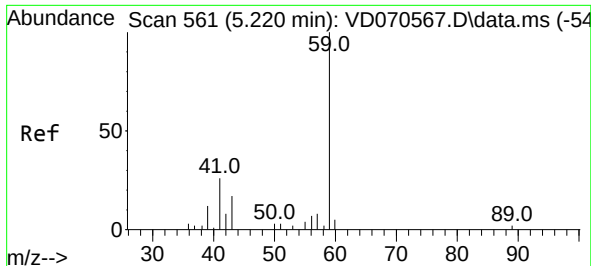
Tgt Ion:168 Resp: 360246
Ion Ratio Lower Upper
168 100
99 62.4 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD070662.D
Acq: 11 Oct 2021 16:09

Tgt Ion: 94 Resp: 1508
Ion Ratio Lower Upper
94 100
96 96.7 75.5 113.3

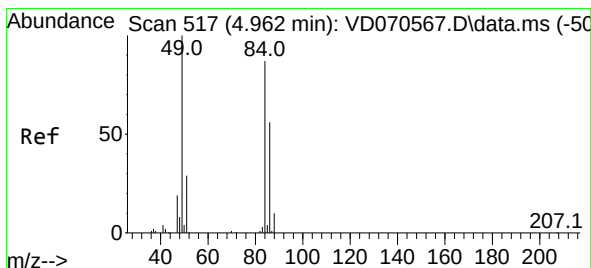
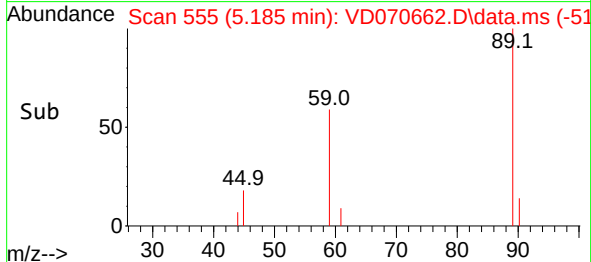
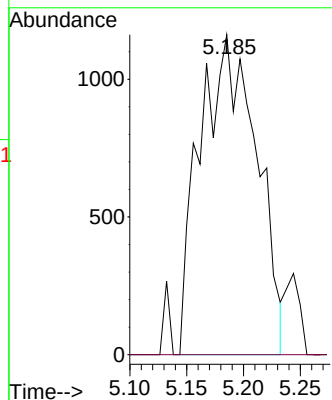
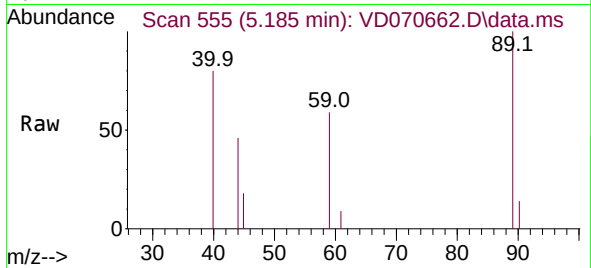




#11
Tert butyl alcohol
Concen: 19.189 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.035 min
Lab File: VD070662.D
Acq: 11 Oct 2021 16:09

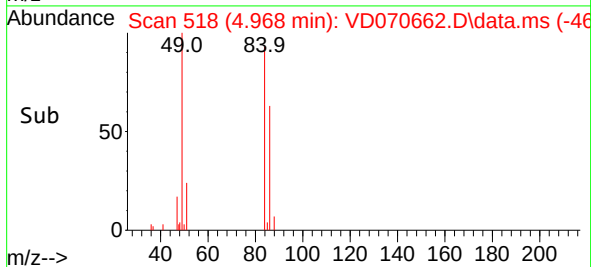
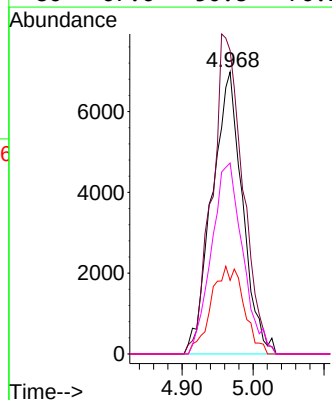
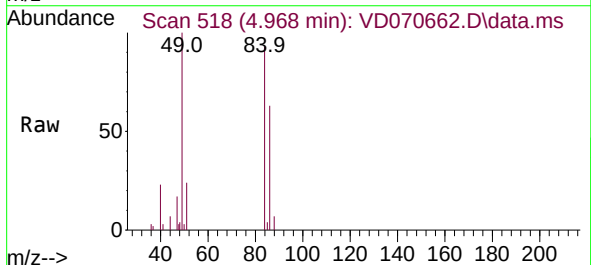
Instrument :
MSVOA_D
ClientSampleId :
SB-1(9.5-10.0)

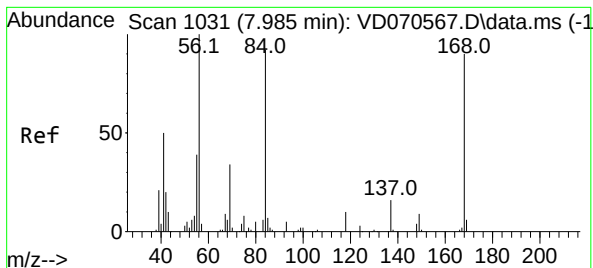
Tgt Ion: 59 Resp: 4030
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD070662.D
Acq: 11 Oct 2021 16:09

Tgt Ion: 84 Resp: 20797
Ion Ratio Lower Upper
84 100
49 107.6 91.4 137.2
51 26.1 26.7 40.1#
86 67.6 50.8 76.2





#31

Cyclohexane

Concen: 1.011 ug/l

RT: 7.985 min Scan# 1031

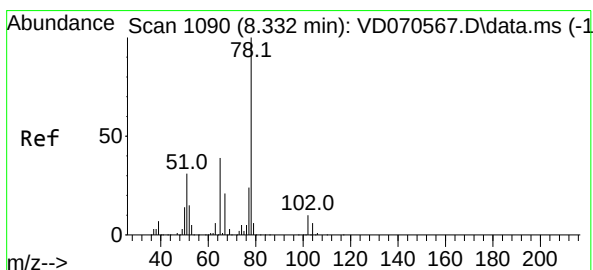
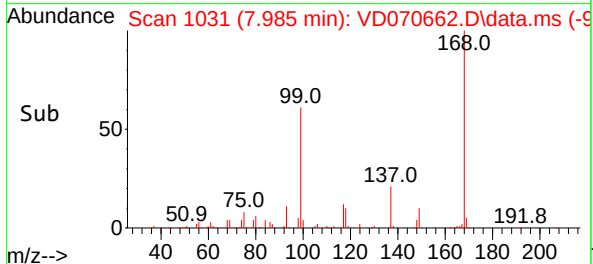
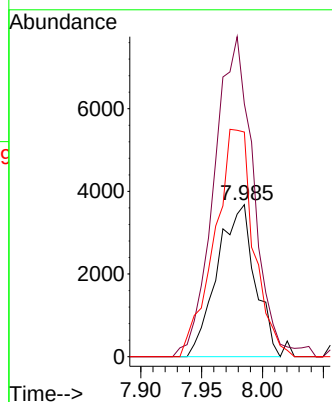
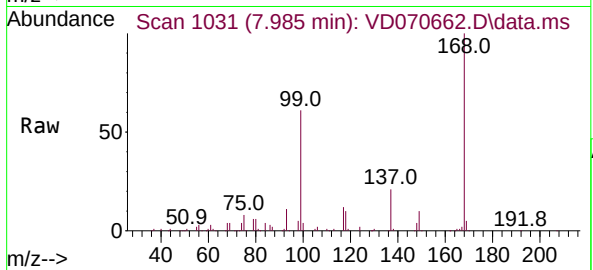
Delta R.T. 0.000 min

Lab File: VD070662.D

Acq: 11 Oct 2021 16:09

Tgt Ion:	56	Resp:	7940
Ion	Ratio	Lower	Upper
56	100		
69	160.4	27.4	41.2#
84	147.7	73.6	110.4#

Instrument :
MSVOA_D
ClientSampleId :
SB-1(9.5-10.0)



#33

1,2-Dichloroethane-d4

Concen: 51.612 ug/l

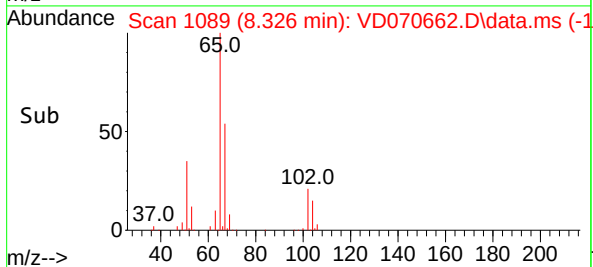
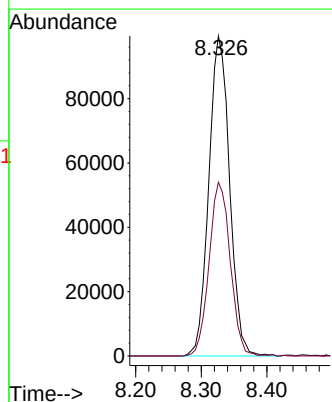
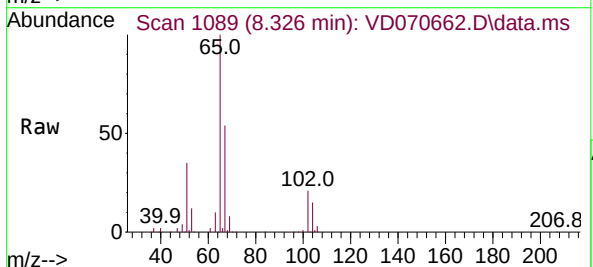
RT: 8.326 min Scan# 1089

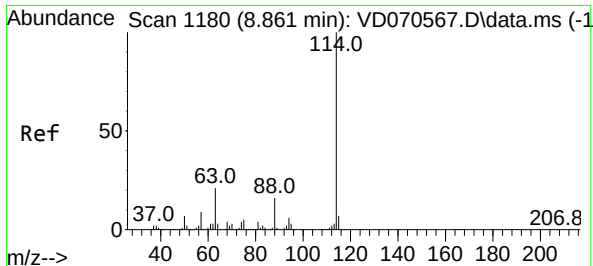
Delta R.T. -0.006 min

Lab File: VD070662.D

Acq: 11 Oct 2021 16:09

Tgt Ion:	65	Resp:	218812
Ion	Ratio	Lower	Upper
65	100		
67	55.3	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: VD070662.D

Acq: 11 Oct 2021 16:09

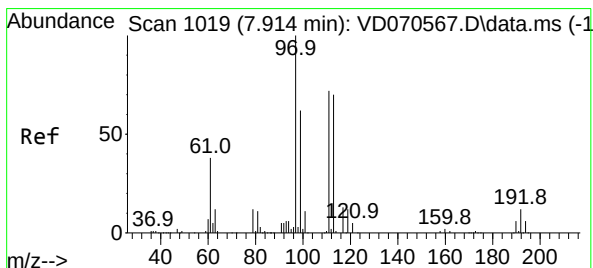
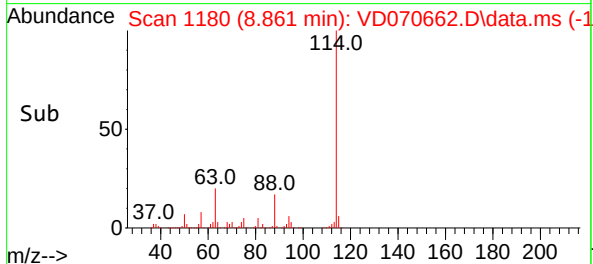
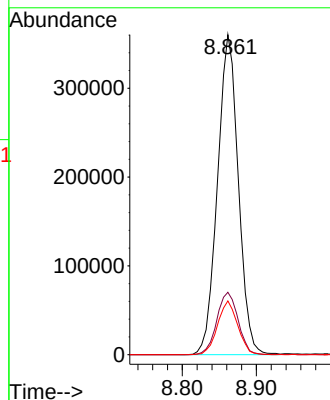
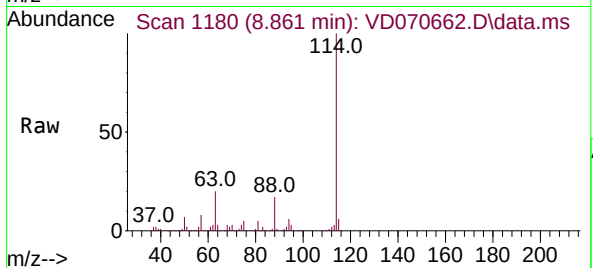
Tgt Ion:114 Resp: 704153

Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.8

88 16.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.095 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070662.D

Acq: 11 Oct 2021 16:09

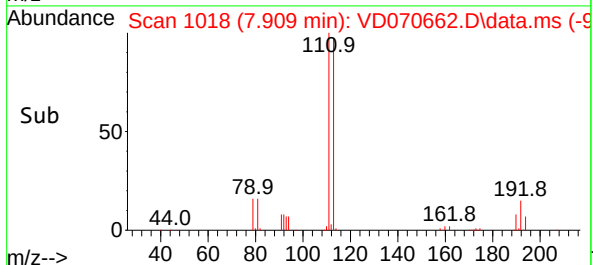
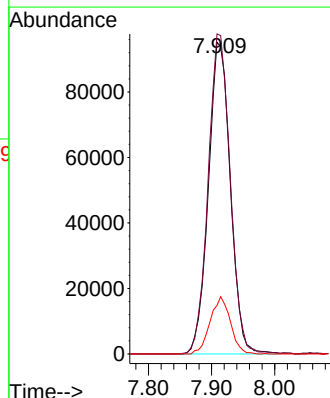
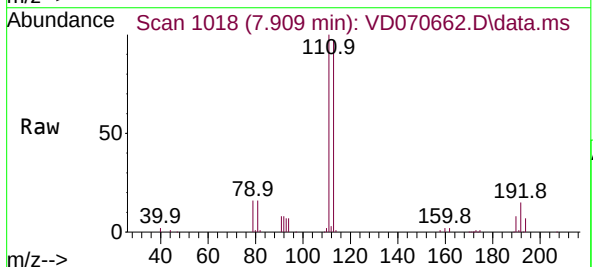
Tgt Ion:113 Resp: 229845

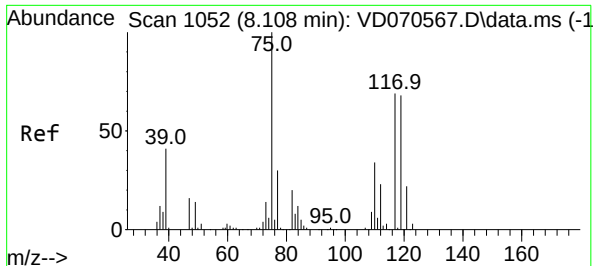
Ion Ratio Lower Upper

113 100

111 103.3 83.1 124.7

192 16.9 12.7 19.1

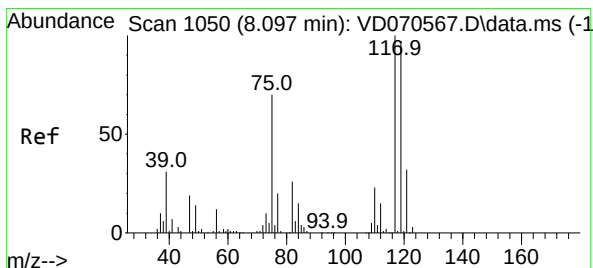
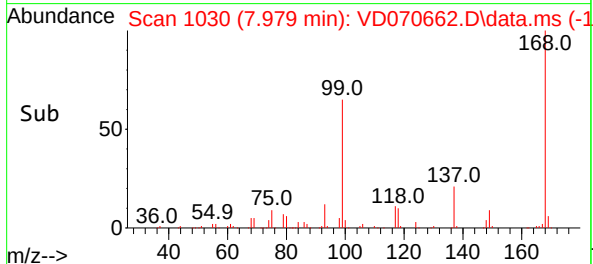
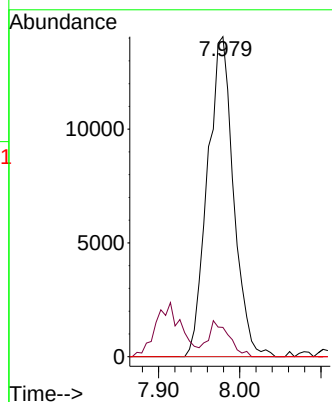
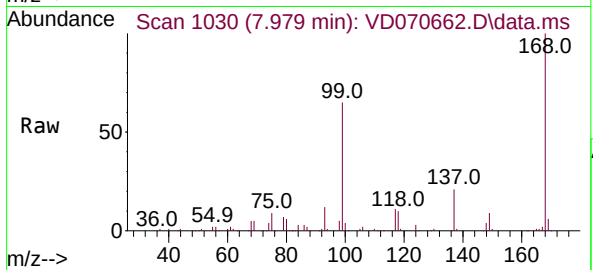




#36
1,1-Dichloropropene
Concen: 4.185 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070662.D
Acq: 11 Oct 2021 16:09

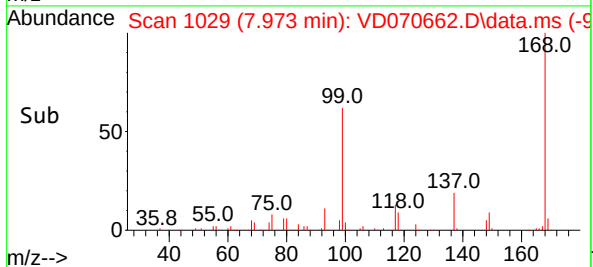
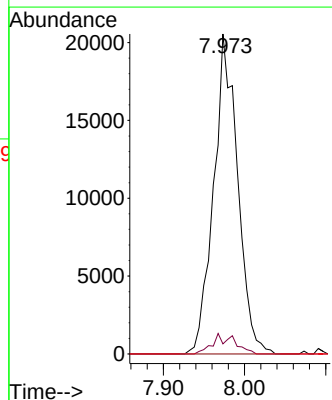
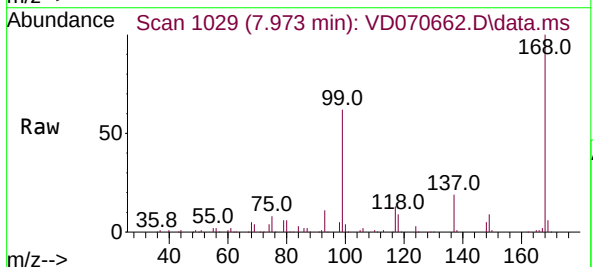
Instrument :
MSVOA_D
ClientSampleId :
SB-1(9.5-10.0)

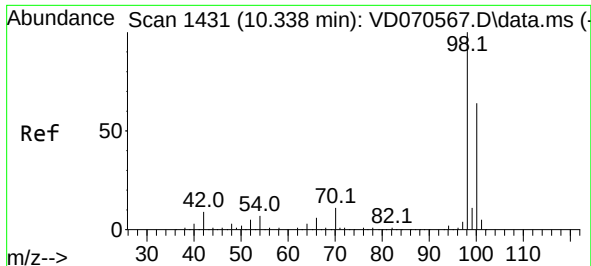
Tgt Ion: 75 Resp: 31299
Ion Ratio Lower Upper
75 100
110 8.9 17.2 51.6#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 5.389 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD070662.D
Acq: 11 Oct 2021 16:09

Tgt Ion: 117 Resp: 42176
Ion Ratio Lower Upper
117 100
119 3.2 77.4 116.0#
121 0.0 25.4 38.0#

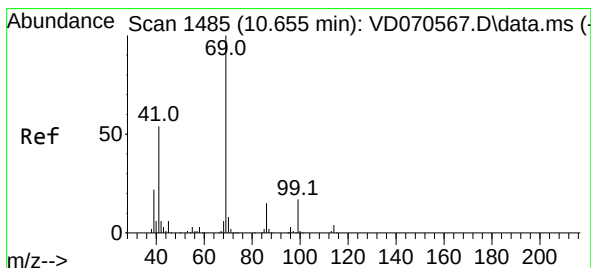
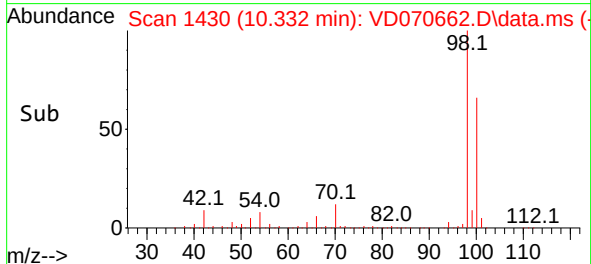
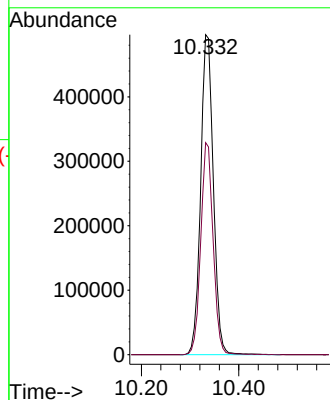
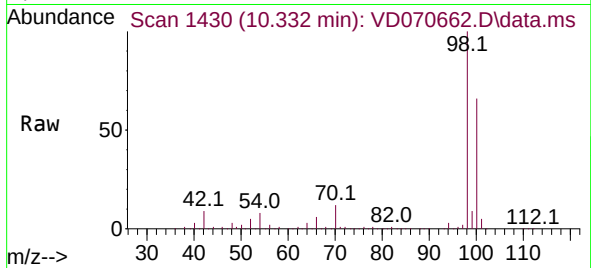




#50
Toluene-d8
Concen: 50.134 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070662.D
Acq: 11 Oct 2021 16:09

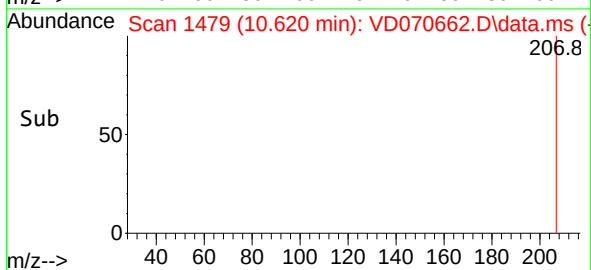
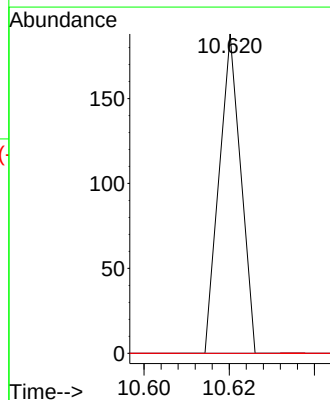
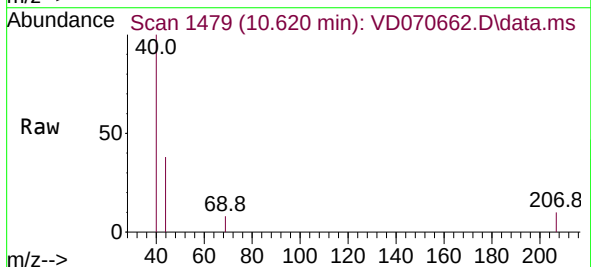
Instrument :
MSVOA_D
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SB-1(9.5-10.0)

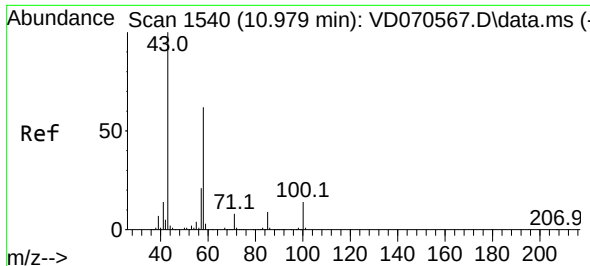
Tgt Ion: 98 Resp: 897252
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.4



#56
Ethyl methacrylate
Concen: 1.387 ug/l
RT: 10.620 min Scan# 1479
Delta R.T. -0.035 min
Lab File: VD070662.D
Acq: 11 Oct 2021 16:09

Tgt Ion: 69 Resp: 66
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 0.0 19.5 29.3#

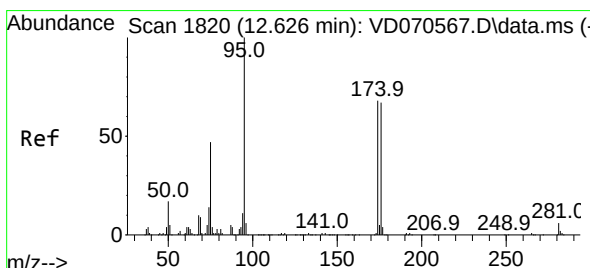
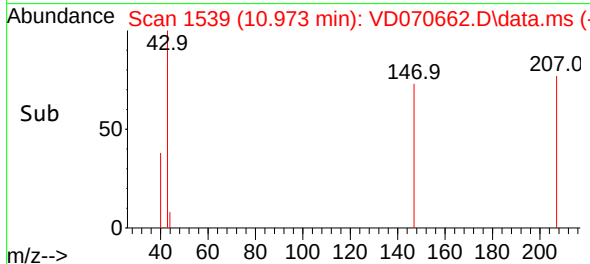
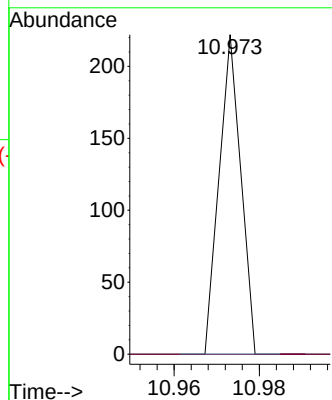
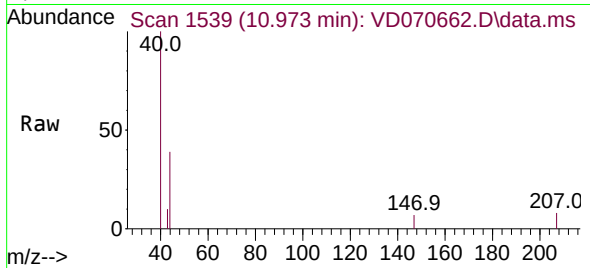




#59
2-Hexanone
Concen: Below Cal
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD070662.D
Acq: 11 Oct 2021 16:09

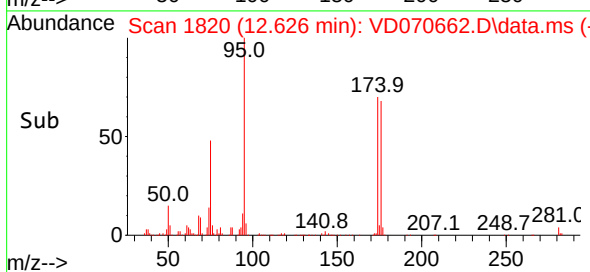
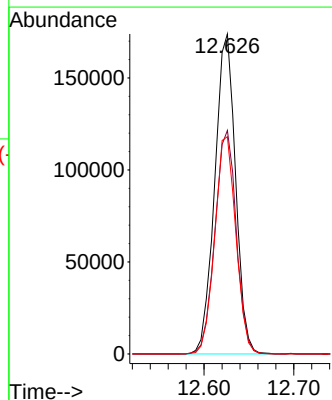
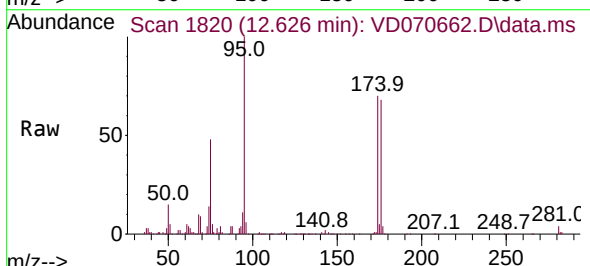
Instrument :
MSVOA_D
ClientSampleId :
SB-1(9.5-10.0)

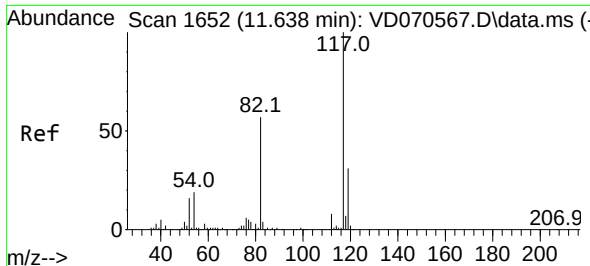
Tgt Ion: 43 Resp: 78
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 46.766 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070662.D
Acq: 11 Oct 2021 16:09

Tgt Ion: 95 Resp: 279736
Ion Ratio Lower Upper
95 100
174 71.6 0.0 138.0
176 69.1 0.0 135.6

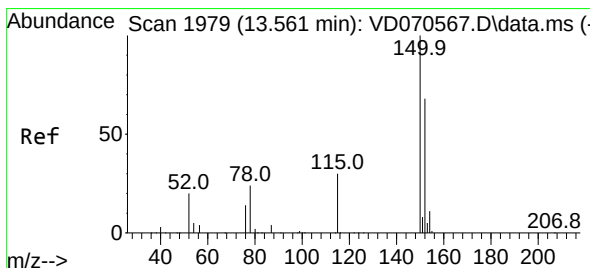
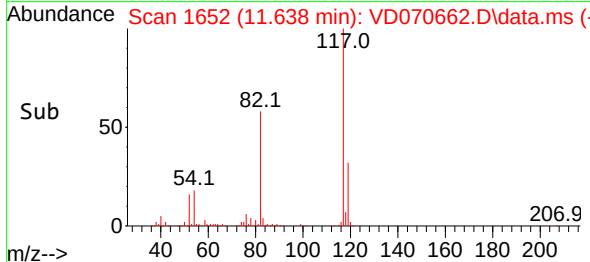
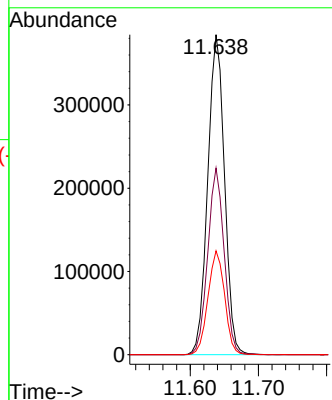
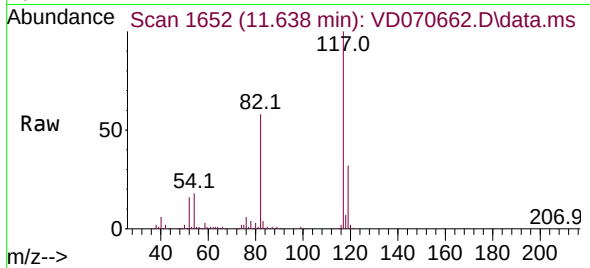




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070662.D
Acq: 11 Oct 2021 16:09

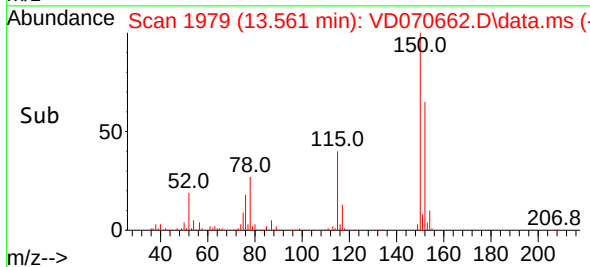
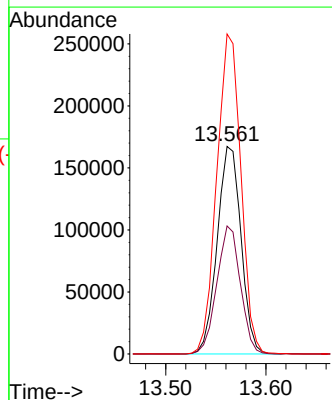
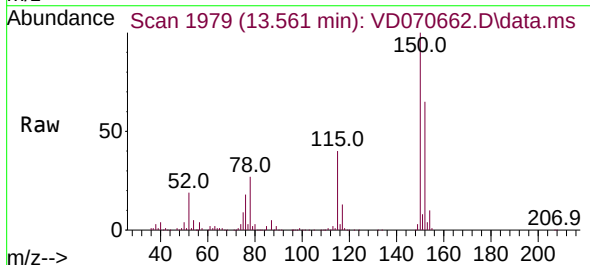
Instrument :
MSVOA_D
ClientSampleId :
SB-1(9.5-10.0)

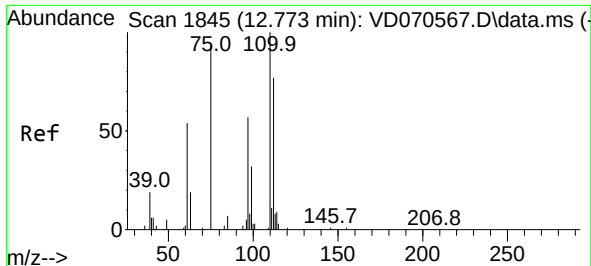
Tgt Ion:117 Resp: 657653
Ion Ratio Lower Upper
117 100
82 58.3 45.4 68.2
119 32.4 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070662.D
Acq: 11 Oct 2021 16:09

Tgt Ion:152 Resp: 276268
Ion Ratio Lower Upper
152 100
115 60.8 31.9 95.7
150 155.9 0.0 350.0

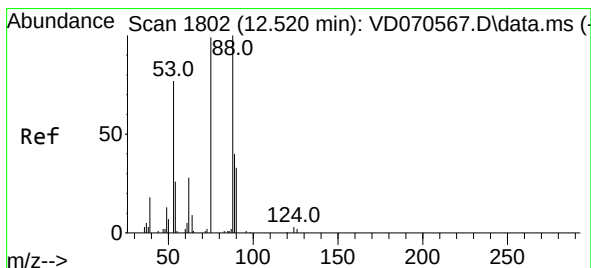
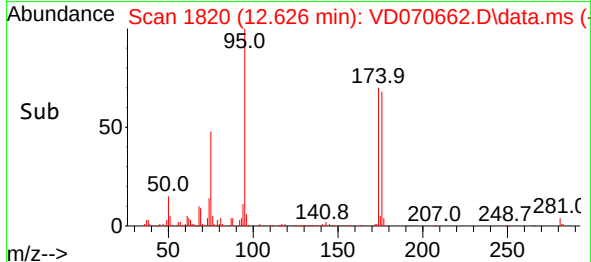
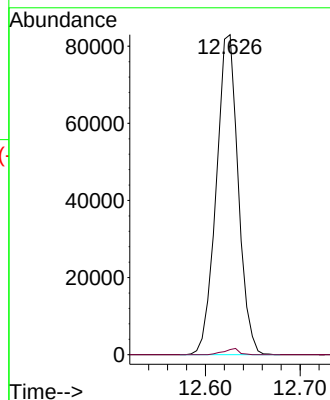
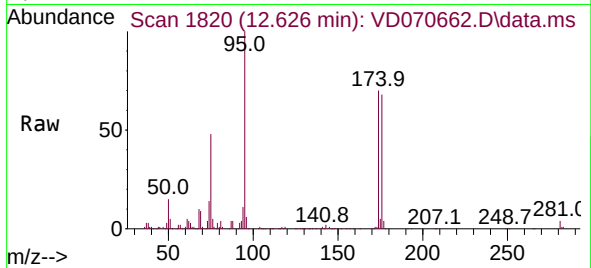




#76
1,2,3-Trichloropropane
Concen: 53.404 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070662.D
Acq: 11 Oct 2021 16:09

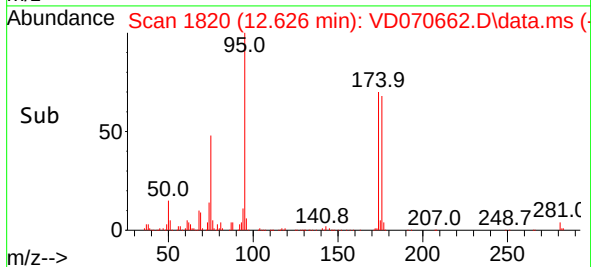
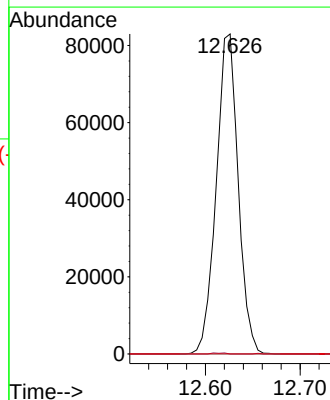
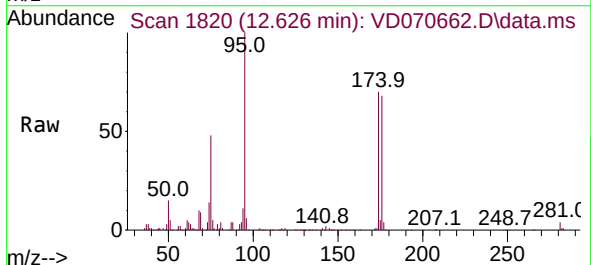
Instrument :
MSVOA_D
ClientSampleId :
SB-1(9.5-10.0)

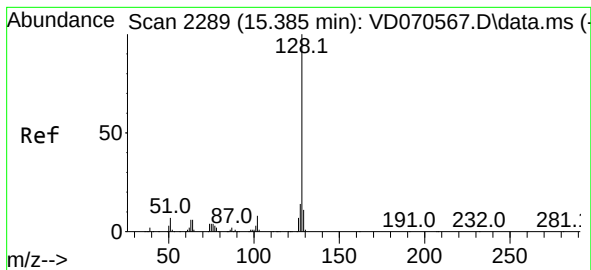
Tgt Ion: 75 Resp: 133537
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.565 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070662.D
Acq: 11 Oct 2021 16:09

Tgt Ion: 75 Resp: 133537
Ion Ratio Lower Upper
75 100
53 0.2 64.5 96.7#
89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 2.595 ug/l
RT: 15.391 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD070662.D
Acq: 11 Oct 2021 16:09

Instrument :
MSVOA_D
ClientSampleId :
SB-1(9.5-10.0)

Tgt Ion:128 Resp: 972
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 8.6 8.6 12.8

