

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101121\
 Data File : VD070661.D
 Acq On : 11 Oct 2021 15:41
 Operator : VA/SY
 Sample : M4117-05
 Misc : 5.44G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2(1.5-2.0)

Quant Time: Oct 12 05:41:19 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)

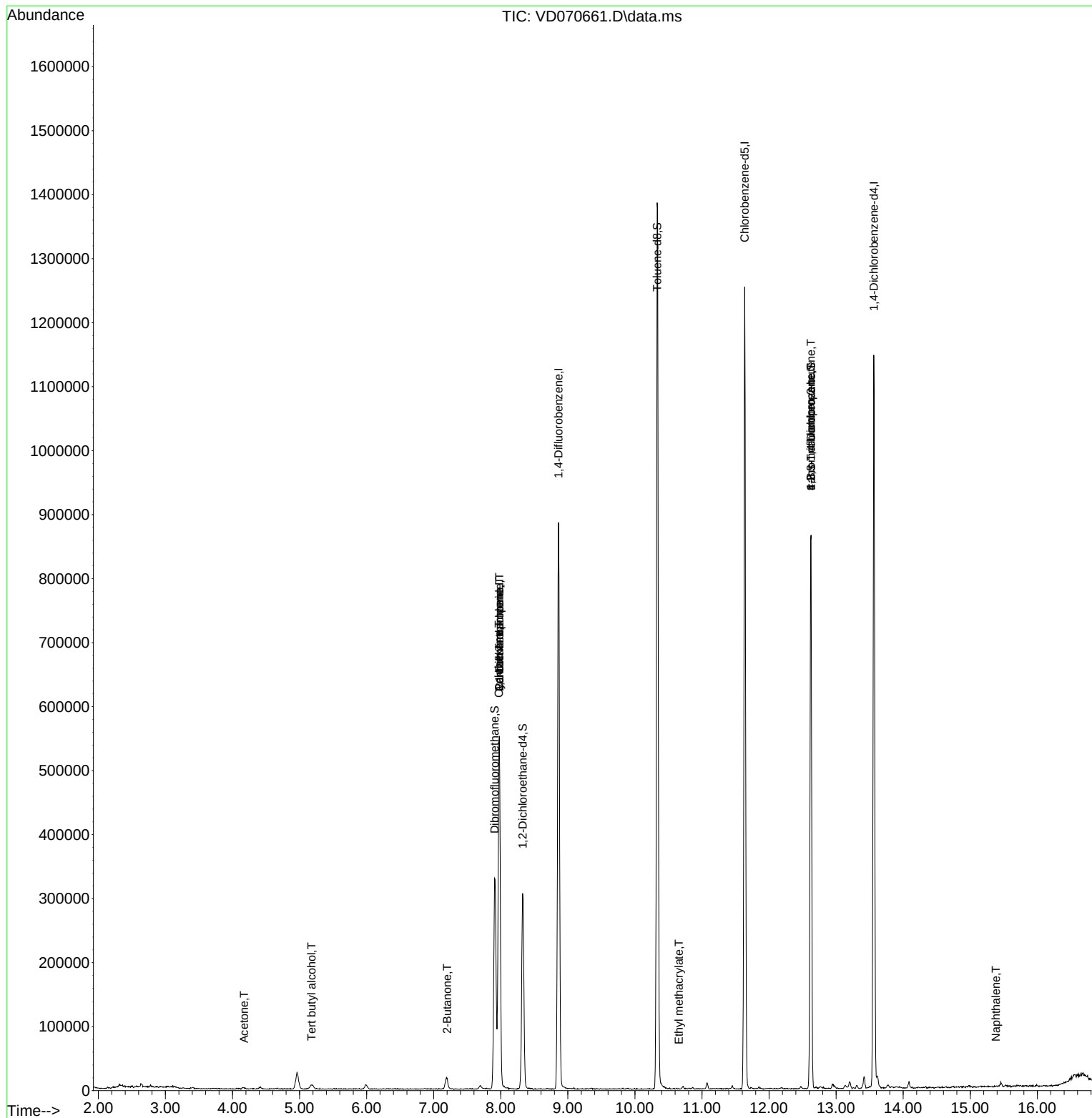
Internal Standards						
1) Pentafluorobenzene	7.979	168	391631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	773324	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	711725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	303950	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	247557	53.712	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.420%			
35) Dibromofluoromethane	7.908	113	251082	48.834	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.660%			
50) Toluene-d8	10.332	98	989127	50.324	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.640%			
62) 4-Bromofluorobenzene	12.626	95	310479	47.262	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.520%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	1423	Below Cal	#	65
11) Tert butyl alcohol	5.179	59	4047	17.725	ug/l #	83
16) Acetone	4.173	43	4140	5.290	ug/l	96
20) Methylene Chloride	4.967	84	20799	Below Cal		88
25) 2-Butanone	7.203	43	1137	1.110	ug/l #	43
31) Cyclohexane	7.973	56	8760	1.026	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	34644	4.218	ug/l #	50
38) Carbon Tetrachloride	7.979	117	41375	4.814	ug/l #	17
56) Ethyl methacrylate	10.655	69	217	1.415	ug/l #	32
59) 2-Hexanone	10.973	43	191	Below Cal	#	20
76) 1,2,3-Trichloropropane	12.626	75	148439	53.957	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	148439	119.793	ug/l #	17
95) Naphthalene	15.384	128	1035	2.592	ug/l #	77

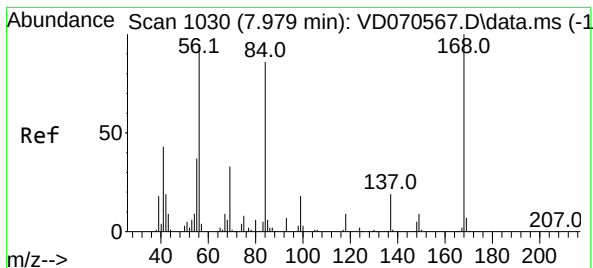
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VD070661.D

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Instrument :

MSVOA_D

ClientSampleId :

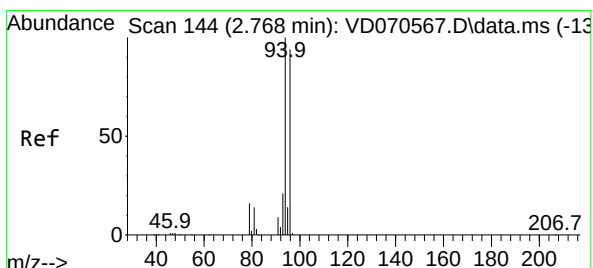
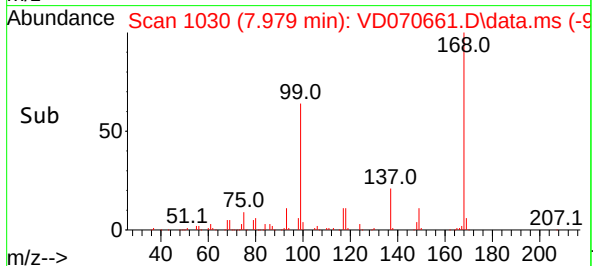
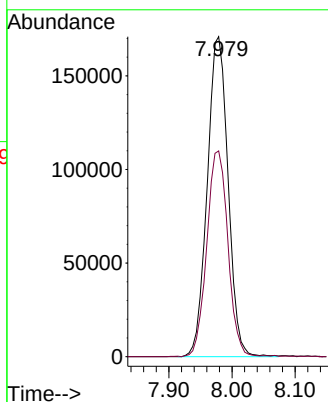
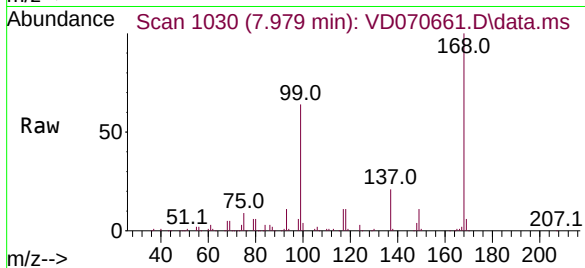
SB-2(1.5-2.0)

Tgt Ion:168 Resp: 391631

Ion Ratio Lower Upper

168 100

99 64.2 51.4 77.0



#5

Bromomethane

Concen: Below Cal

RT: 2.779 min Scan# 146

Delta R.T. 0.011 min

Lab File: VD070661.D

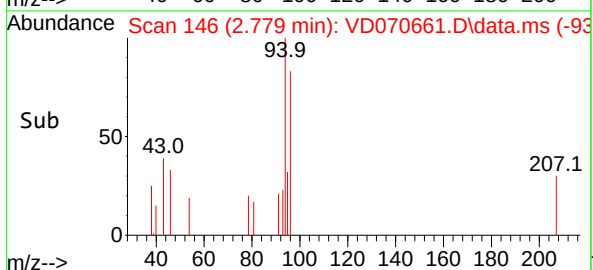
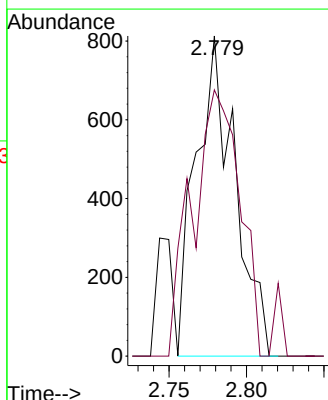
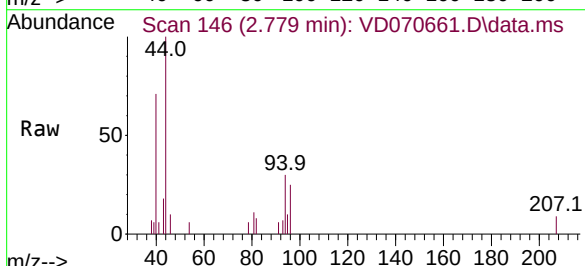
Acq: 11 Oct 2021 15:41

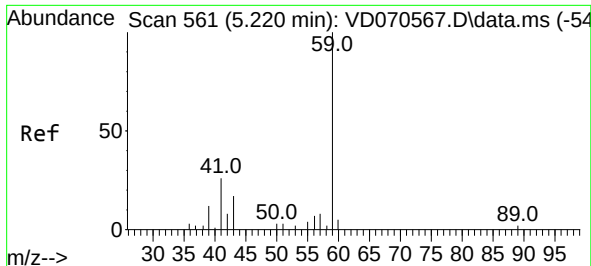
Tgt Ion: 94 Resp: 1423

Ion Ratio Lower Upper

94 100

96 60.4 75.5 113.3#

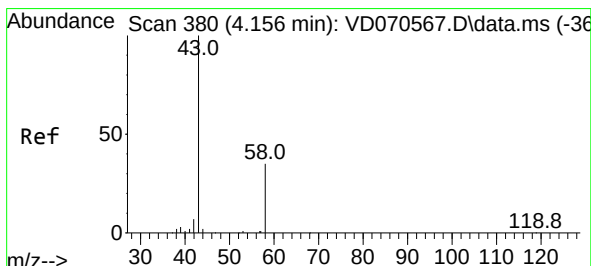
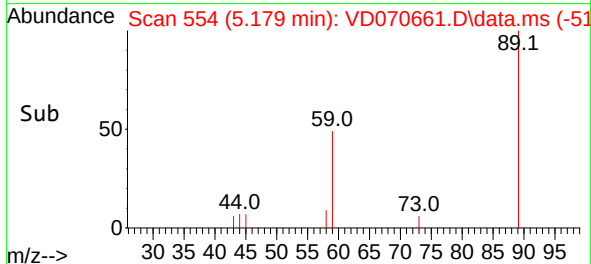
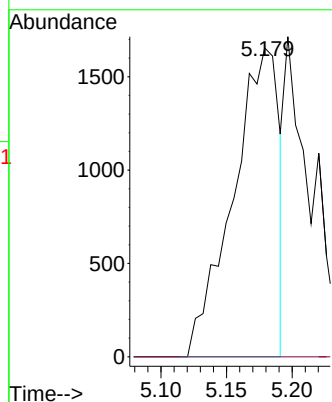
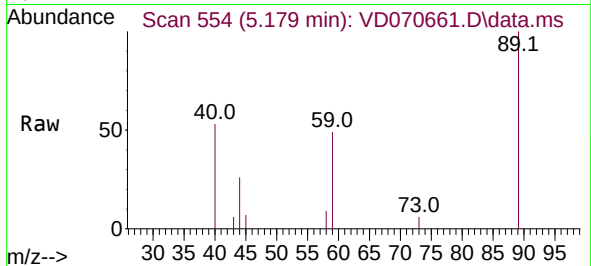




#11
Tert butyl alcohol
Concen: 17.725 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.041 min
Lab File: VD070661.D
Acq: 11 Oct 2021 15:41

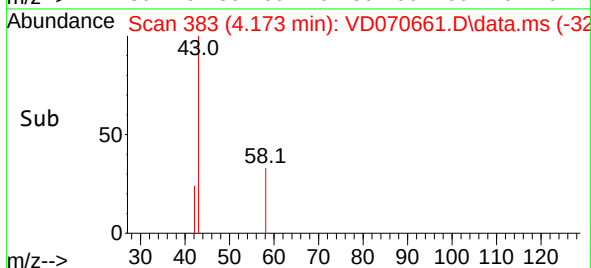
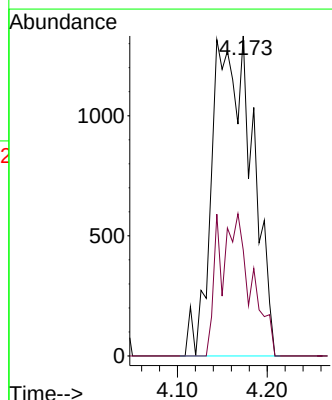
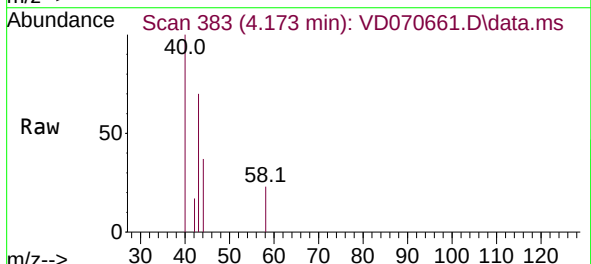
Instrument :
MSVOA_D
ClientSampleId :
SB-2(1.5-2.0)

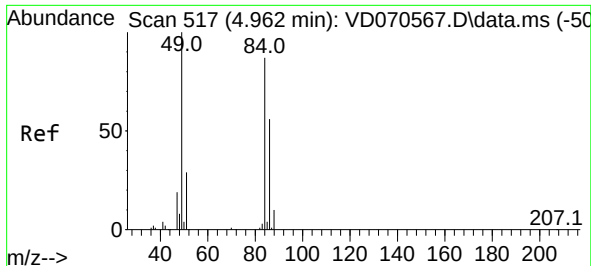
Tgt Ion: 59 Resp: 4047
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#



#16
Acetone
Concen: 5.290 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.018 min
Lab File: VD070661.D
Acq: 11 Oct 2021 15:41

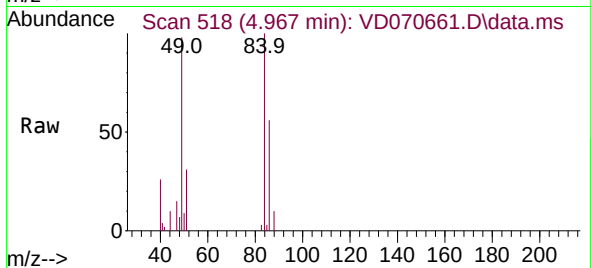
Tgt Ion: 43 Resp: 4140
Ion Ratio Lower Upper
43 100
58 33.1 28.2 42.2



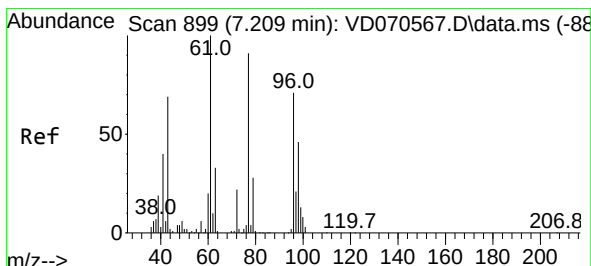
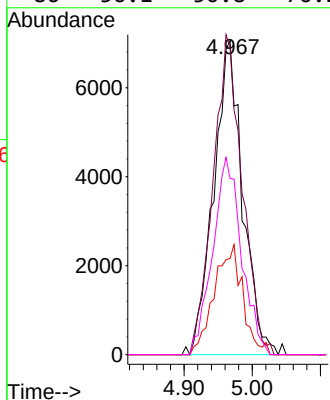
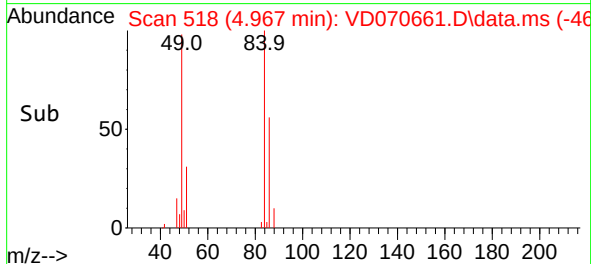


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070661.D
Acq: 11 Oct 2021 15:41

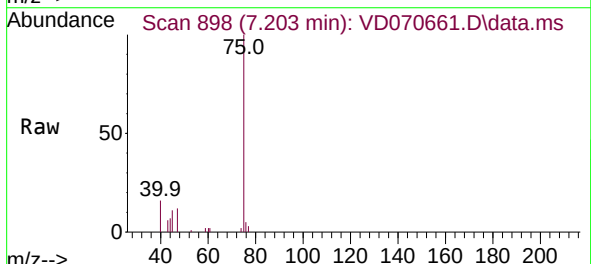
Instrument :
MSVOA_D
ClientSampleId :
SB-2(1.5-2.0)



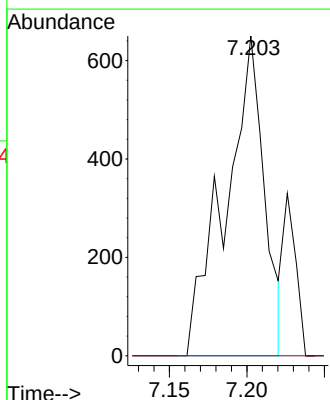
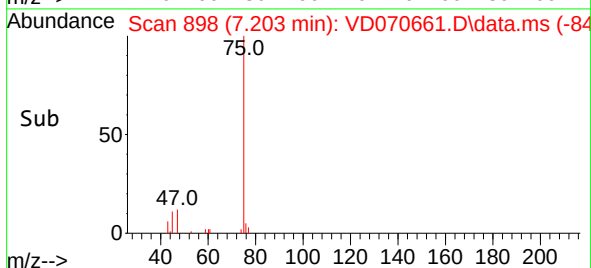
Tgt Ion:	84	Resp:	20799
Ion	Ratio	Lower	Upper
84	100		
49	97.9	91.4	137.2
51	30.7	26.7	40.1
86	56.1	50.8	76.2

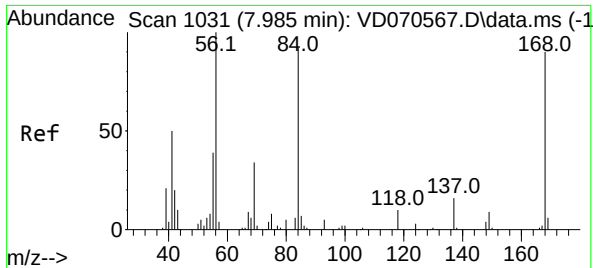


#25
2-Butanone
Concen: 1.110 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD070661.D
Acq: 11 Oct 2021 15:41



Tgt Ion:	43	Resp:	1137
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.2	37.8#

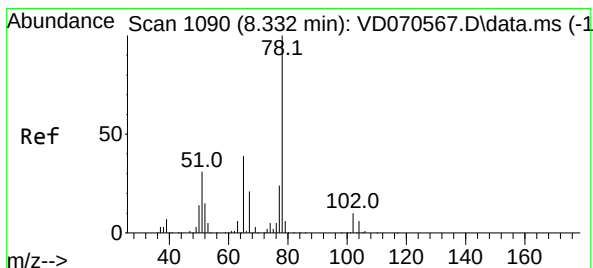
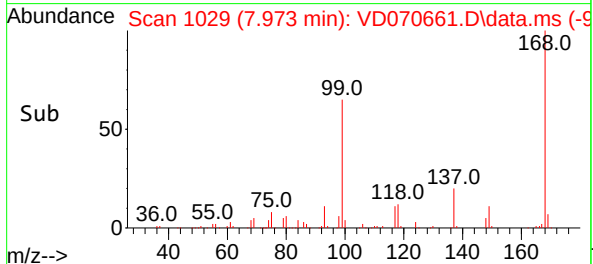
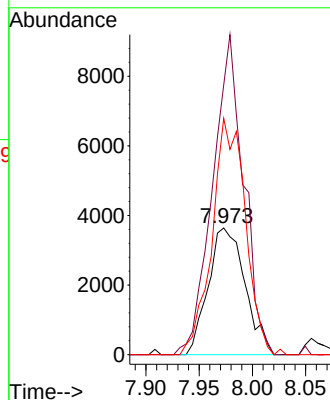
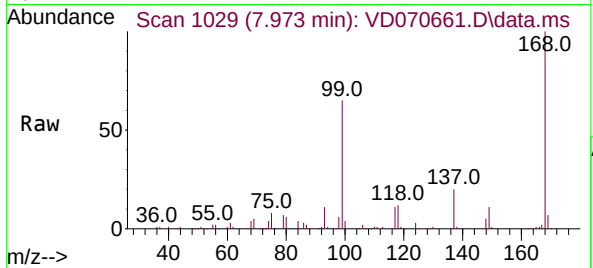




#31
Cyclohexane
Concen: 1.026 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070661.D
Acq: 11 Oct 2021 15:41

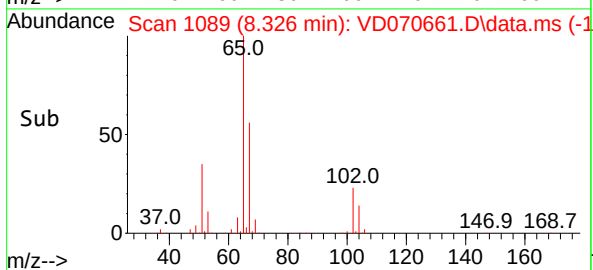
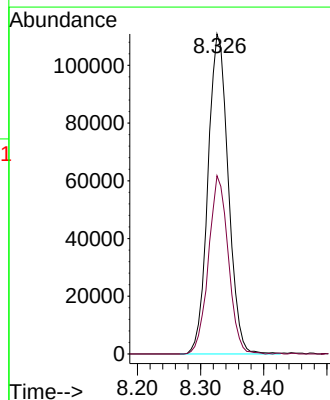
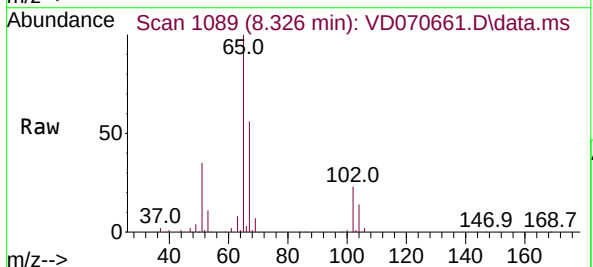
Instrument :
MSVOA_D
ClientSampleId :
SB-2(1.5-2.0)

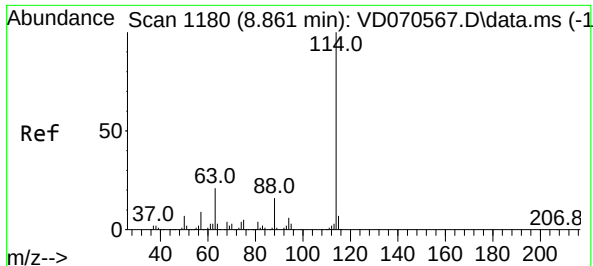
Tgt Ion: 56 Resp: 8760
Ion Ratio Lower Upper
56 100
69 213.0 27.4 41.2#
84 186.5 73.6 110.4#



#33
1,2-Dichloroethane-d4
Concen: 53.712 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070661.D
Acq: 11 Oct 2021 15:41

Tgt Ion: 65 Resp: 247557
Ion Ratio Lower Upper
65 100
67 54.2 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: VD070661.D

Acq: 11 Oct 2021 15:41

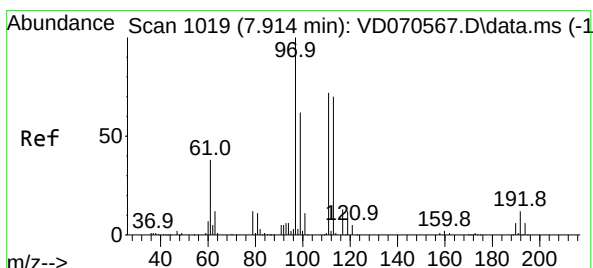
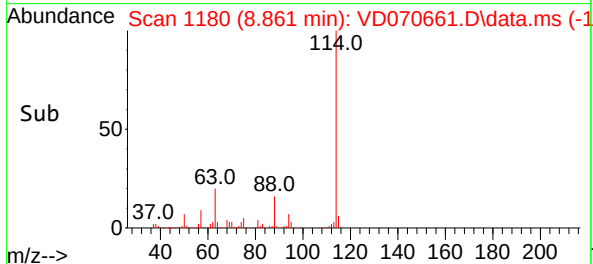
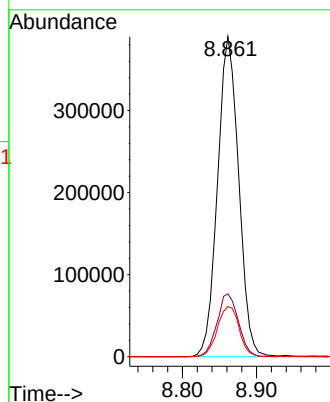
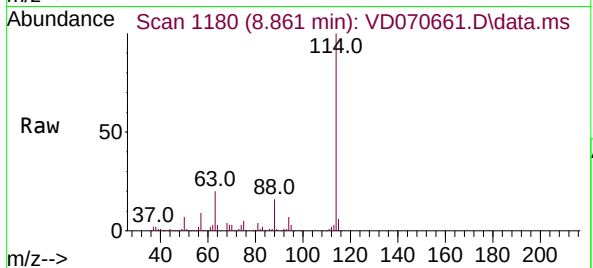
Instrument :

MSVOA_D

ClientSampleId :

SB-2(1.5-2.0)

Tgt Ion:114	Resp:	773324
Ion	Ratio	Lower Upper
114	100	
63	19.7	0.0 41.8
88	15.7	0.0 32.6



#35

Dibromofluoromethane

Concen: 48.834 ug/l

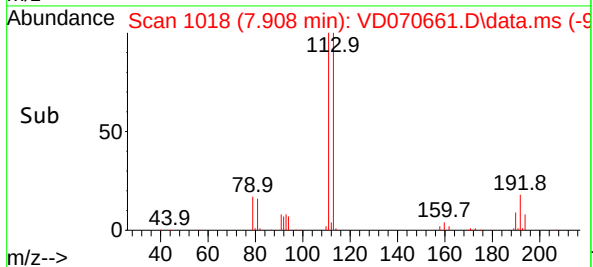
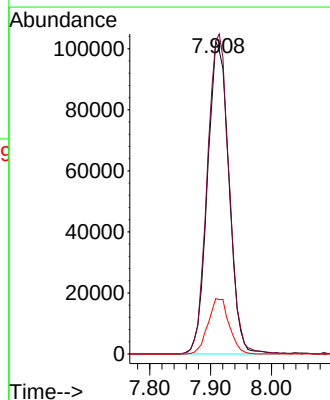
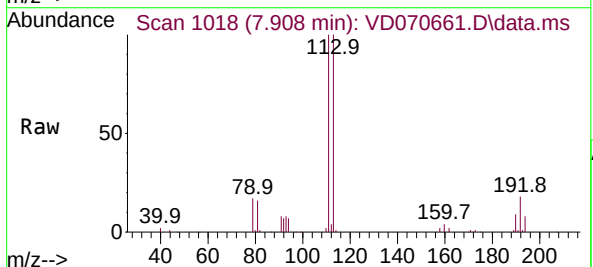
RT: 7.908 min Scan# 1018

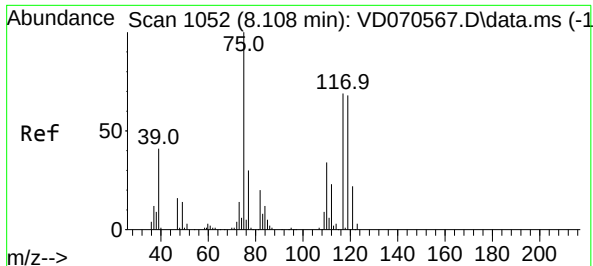
Delta R.T. -0.006 min

Lab File: VD070661.D

Acq: 11 Oct 2021 15:41

Tgt Ion:113	Resp:	251082
Ion	Ratio	Lower Upper
113	100	
111	103.4	83.1 124.7
192	17.3	12.7 19.1

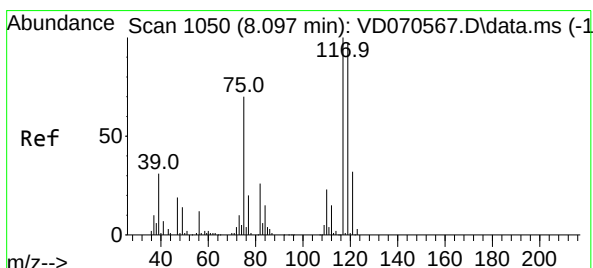
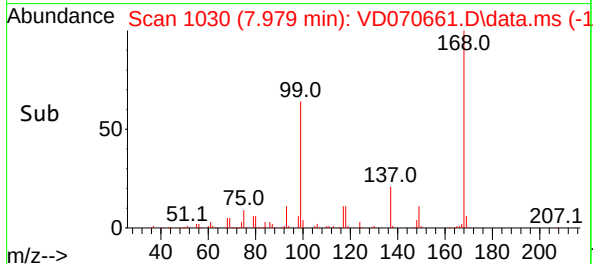
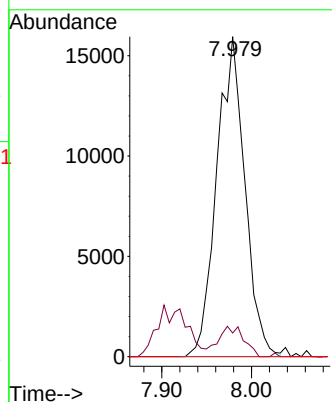
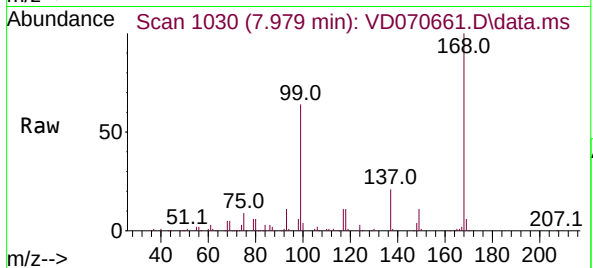




#36
1,1-Dichloropropene
Concen: 4.218 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070661.D
Acq: 11 Oct 2021 15:41

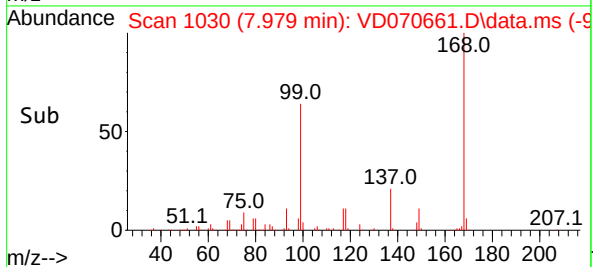
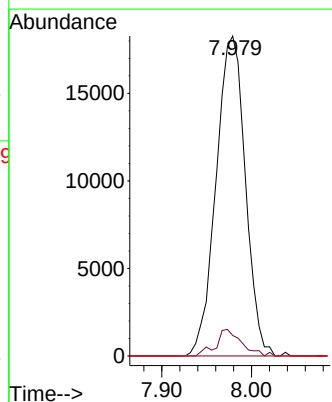
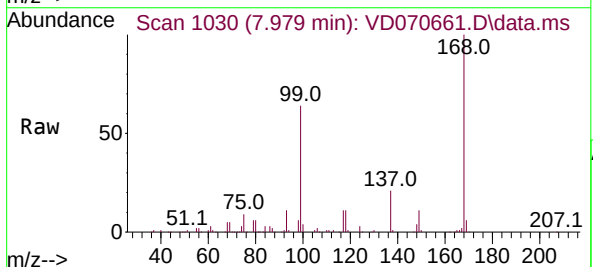
Instrument :
MSVOA_D
ClientSampleId :
SB-2(1.5-2.0)

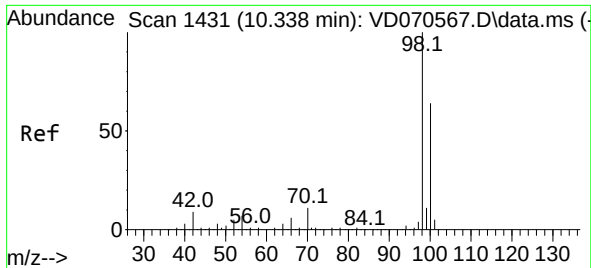
Tgt Ion: 75 Resp: 34644
Ion Ratio Lower Upper
75 100
110 8.5 17.2 51.6#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 4.814 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070661.D
Acq: 11 Oct 2021 15:41

Tgt Ion: 117 Resp: 41375
Ion Ratio Lower Upper
117 100
119 6.4 77.4 116.0#
121 0.0 25.4 38.0#

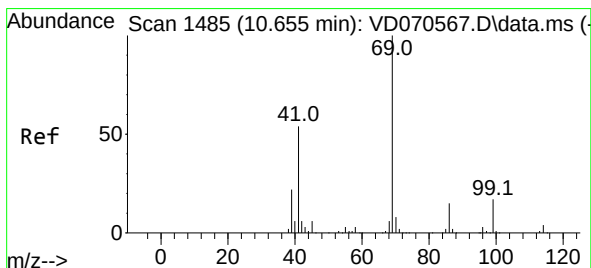
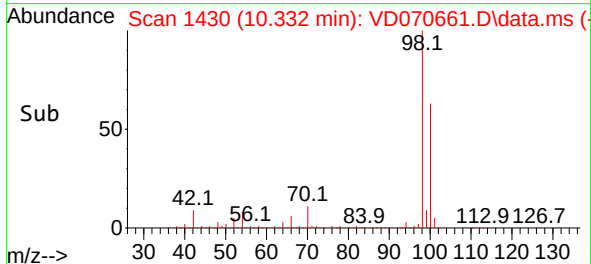
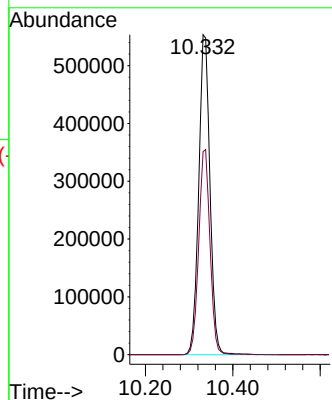
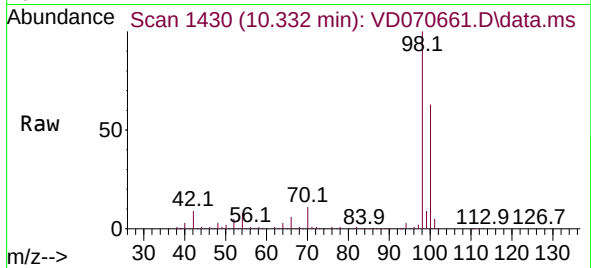




#50
Toluene-d8
Concen: 50.324 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070661.D
Acq: 11 Oct 2021 15:41

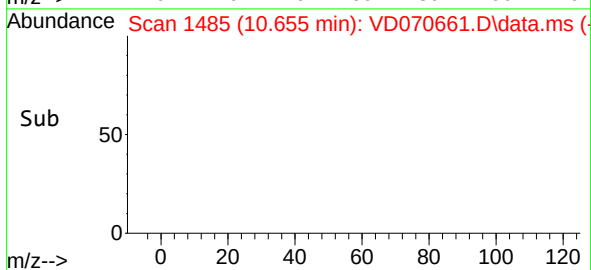
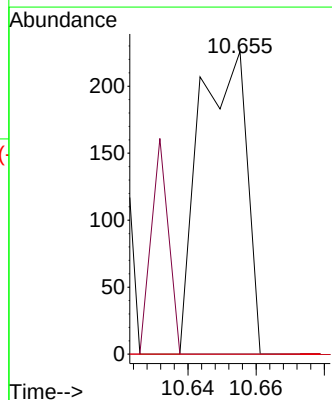
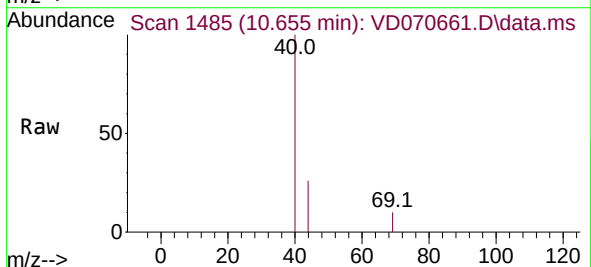
Instrument :
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SB-2(1.5-2.0)

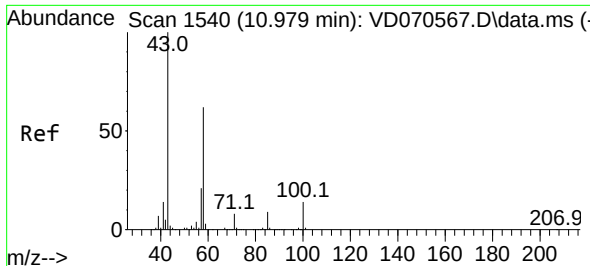
Tgt Ion: 98 Resp: 989127
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.4



#56
Ethyl methacrylate
Concen: 1.415 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD070661.D
Acq: 11 Oct 2021 15:41

Tgt Ion: 69 Resp: 217
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 0.0 19.5 29.3#

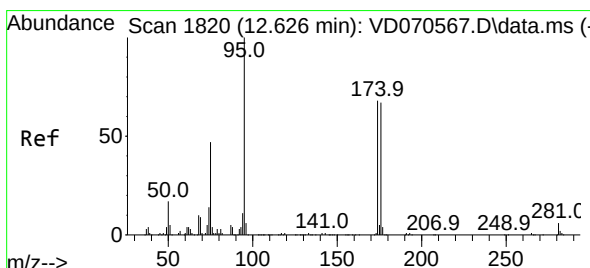
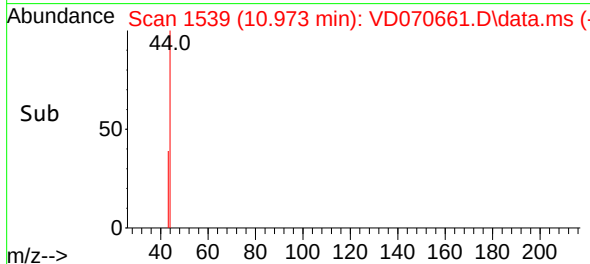
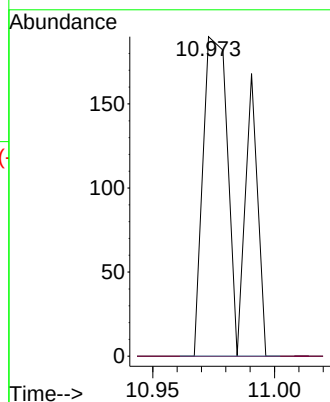
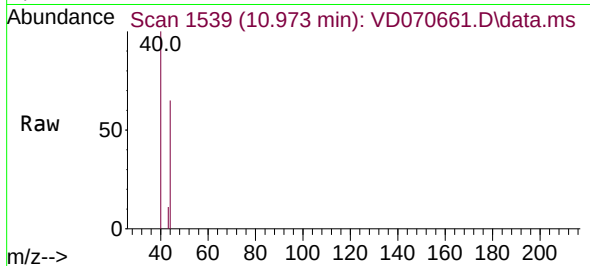




#59
2-Hexanone
Concen: Below Cal
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD070661.D
Acq: 11 Oct 2021 15:41

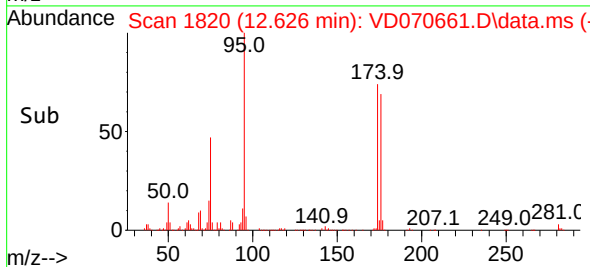
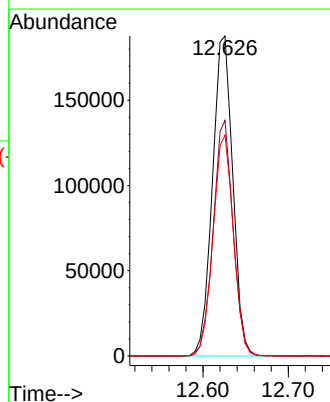
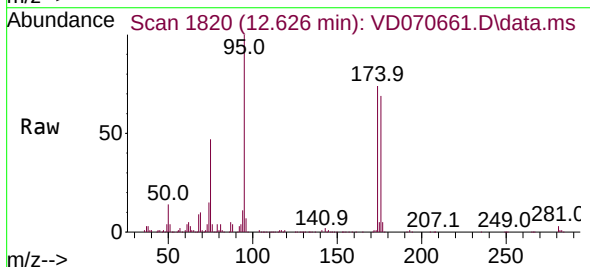
Instrument :
MSVOA_D
ClientSampleId :
SB-2(1.5-2.0)

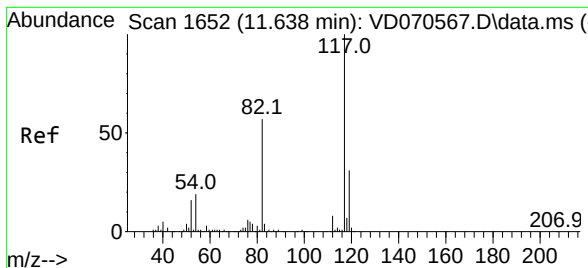
Tgt Ion: 43 Resp: 191
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 47.262 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070661.D
Acq: 11 Oct 2021 15:41

Tgt Ion: 95 Resp: 310479
Ion Ratio Lower Upper
95 100
174 72.0 0.0 138.0
176 69.2 0.0 135.6

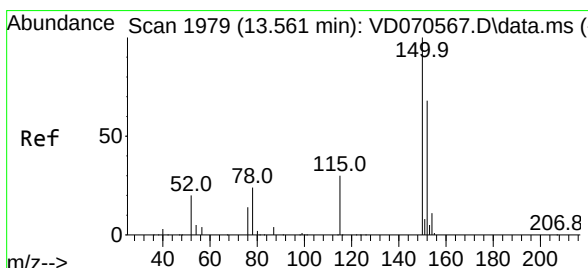
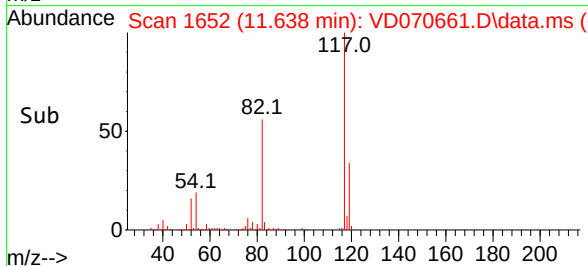
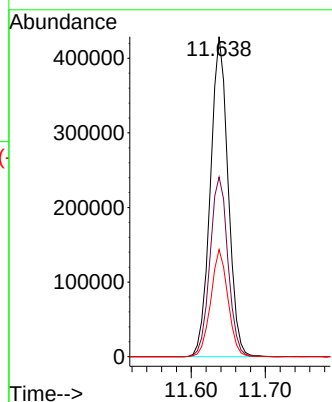
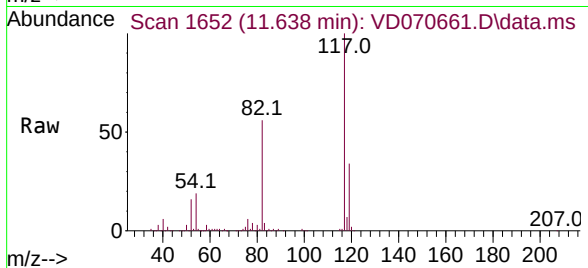




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070661.D
Acq: 11 Oct 2021 15:41

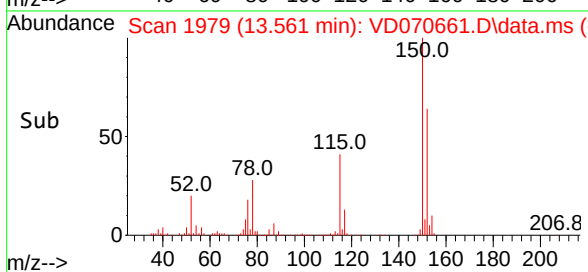
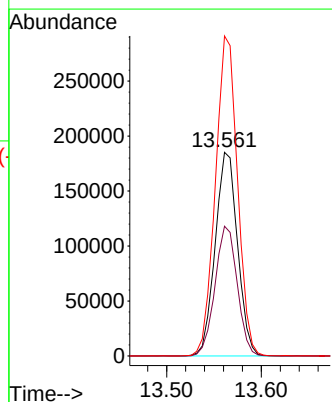
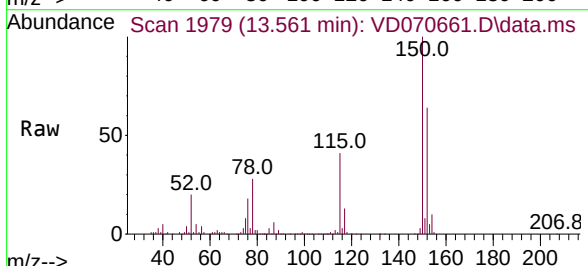
Instrument :
MSVOA_D
ClientSampleId :
SB-2(1.5-2.0)

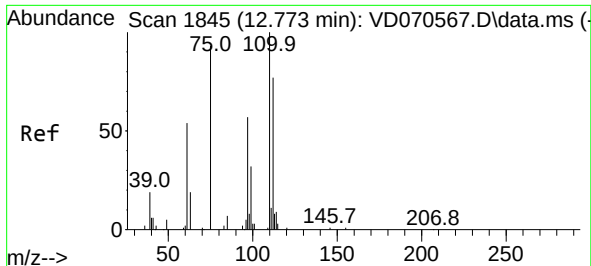
Tgt Ion:	117	Resp:	711725
Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.4	68.2
119	33.5	24.7	37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070661.D
Acq: 11 Oct 2021 15:41

Tgt Ion:	152	Resp:	303950
Ion	Ratio	Lower	Upper
152	100		
115	63.4	31.9	95.7
150	155.4	0.0	350.0

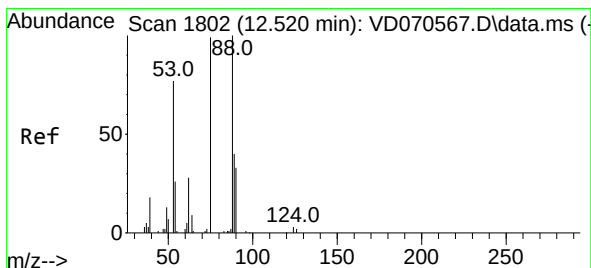
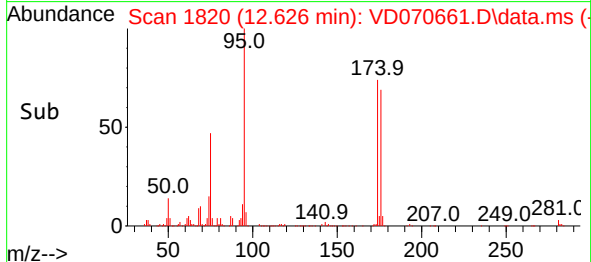
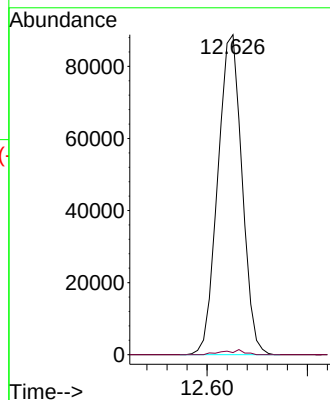
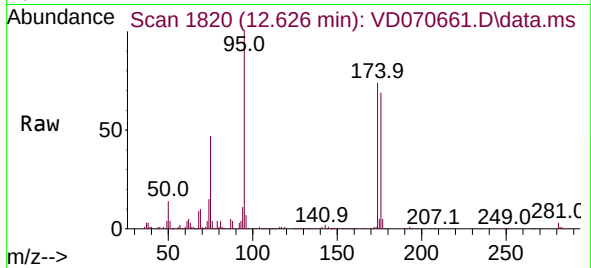




#76
1,2,3-Trichloropropane
Concen: 53.957 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070661.D
Acq: 11 Oct 2021 15:41

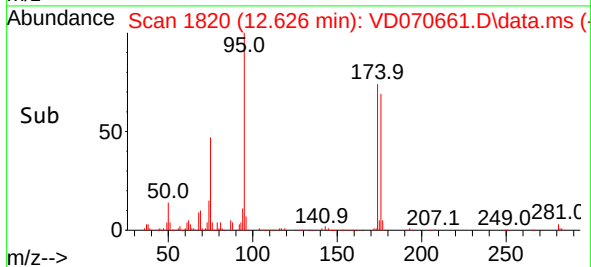
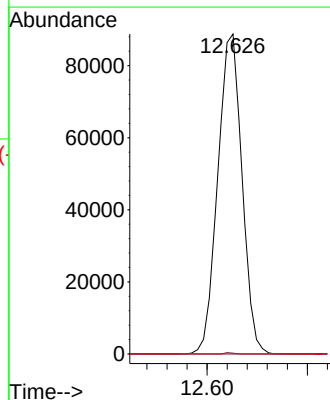
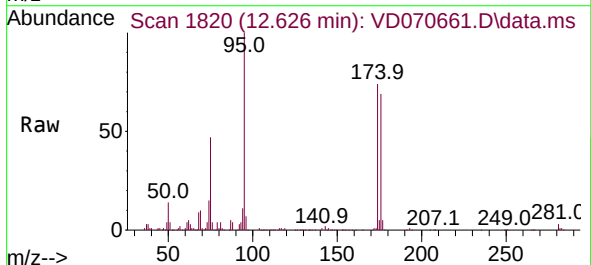
Instrument :
MSVOA_D
ClientSampleId :
SB-2(1.5-2.0)

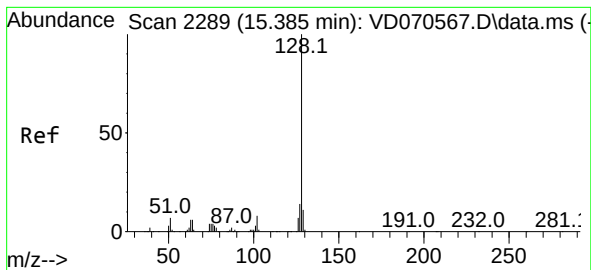
Tgt Ion: 75 Resp: 148439
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.793 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070661.D
Acq: 11 Oct 2021 15:41

Tgt Ion: 75 Resp: 148439
Ion Ratio Lower Upper
75 100
53 0.1 64.5 96.7#
89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 2.592 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD070661.D
Acq: 11 Oct 2021 15:41

Instrument :
MSVOA_D
ClientSampleId :
SB-2(1.5-2.0)

Tgt Ion:128 Resp: 1035
Ion Ratio Lower Upper
128 100
127 6.2 10.9 16.3#
129 0.0 8.6 12.8#

