

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062521\
 Data File : VD069563.D
 Acq On : 25 Jun 2021 13:57
 Operator : VA/SY
 Sample : M2856-05
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-03-9.5-10.0

Quant Time: Jun 26 03:38:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

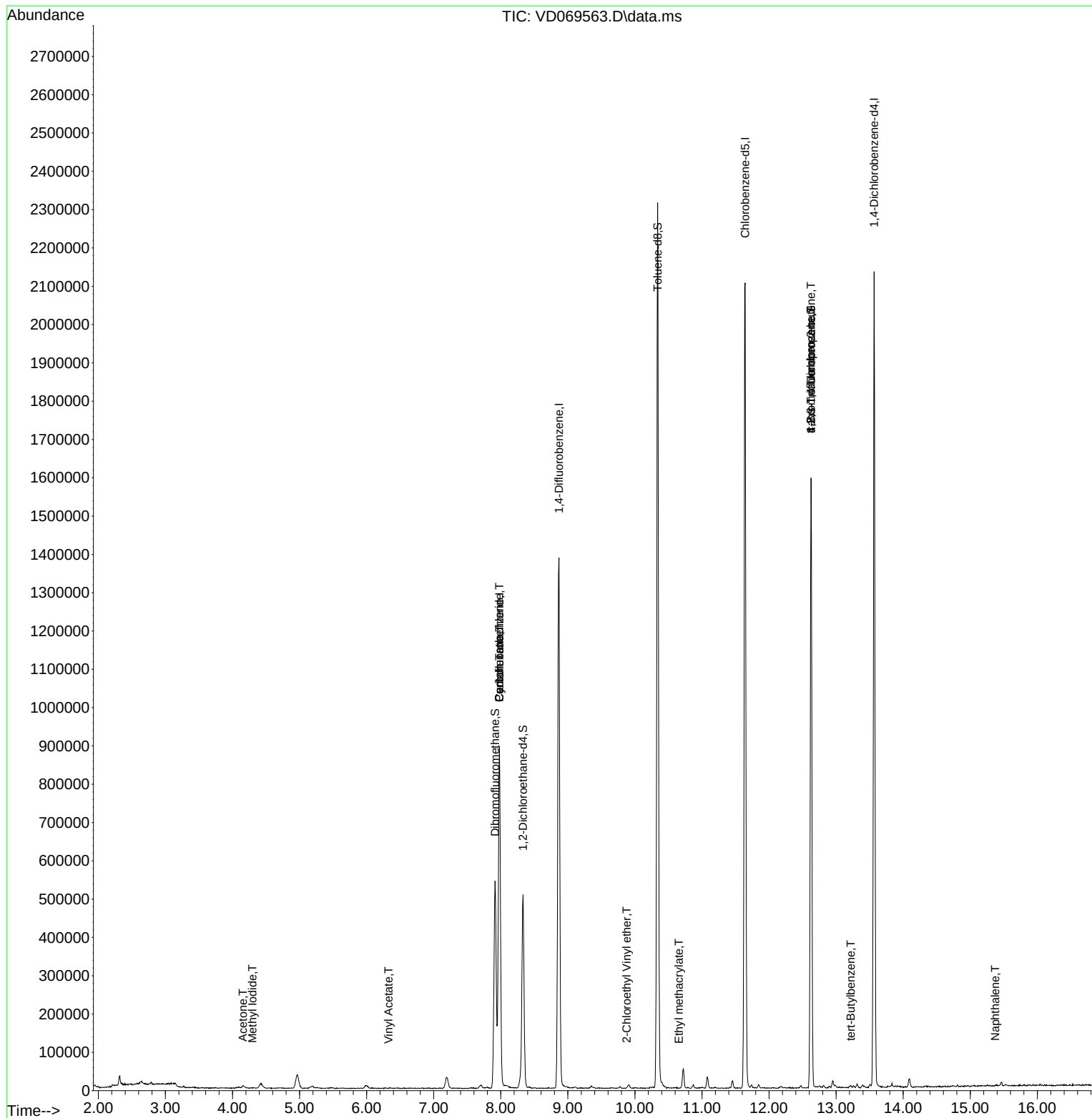
Internal Standards						
1) Pentafluorobenzene	7.979	168	609479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1182721	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	1218603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	522955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	394394	51.914	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.820%			
35) Dibromofluoromethane	7.914	113	396225	49.559	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.120%			
50) Toluene-d8	10.337	98	1530358	51.031	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.060%			
62) 4-Bromofluorobenzene	12.626	95	532107	53.972	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.940%			
Target Compounds						
5) Bromomethane	2.785	94	2021	Below Cal	#	39
10) Methyl Iodide	4.297	142	1124	4.102	ug/l #	61
11) Tert butyl alcohol	5.197	59	5981	Below Cal	#	83
16) Acetone	4.155	43	11691	9.143	ug/l	99
18) Methyl Acetate	4.702	43	73	Below Cal	#	49
20) Methylene Chloride	4.967	84	28035	Below Cal		97
23) Vinyl Acetate	6.326	43	303	19.036	ug/l #	70
31) Cyclohexane	7.979	56	18152	1.775	ug/l #	25
38) Carbon Tetrachloride	7.979	117	66119	5.755	ug/l #	18
56) Ethyl methacrylate	10.655	69	309	2.620	ug/l #	55
58) 2-Chloroethyl Vinyl ether	9.879	63	133	10.633	ug/l #	47
76) 1,2,3-Trichloropropane	12.626	75	273838	53.344	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	273838	133.192	ug/l #	12
83) tert-Butylbenzene	13.220	119	2256	2.072	ug/l	97
95) Naphthalene	15.372	128	1554	3.443	ug/l #	71

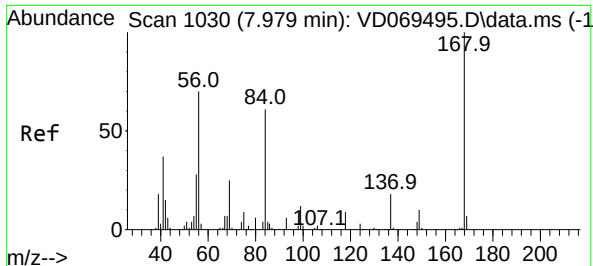
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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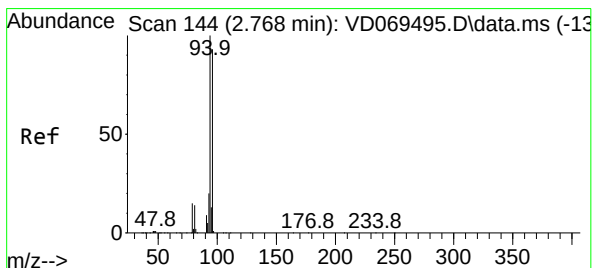
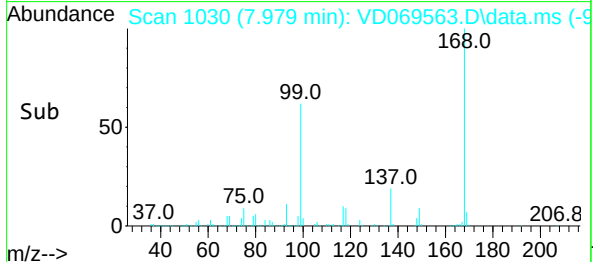
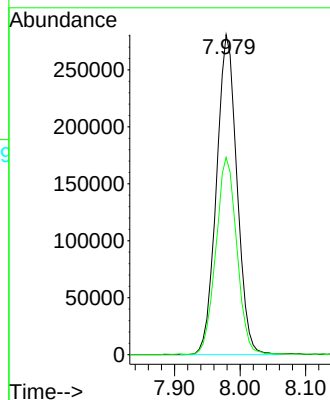
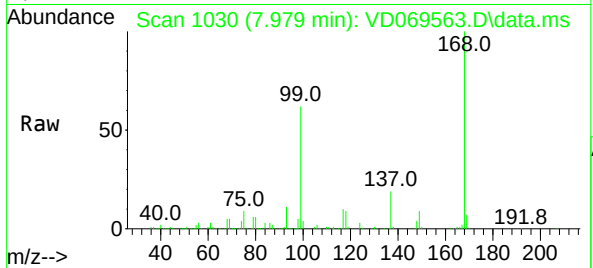




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069563.D
Acq: 25 Jun 2021 13:57

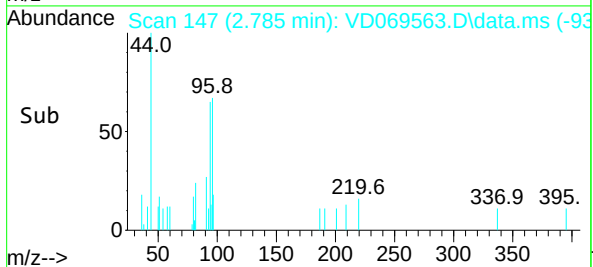
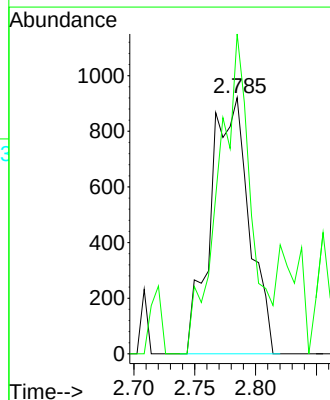
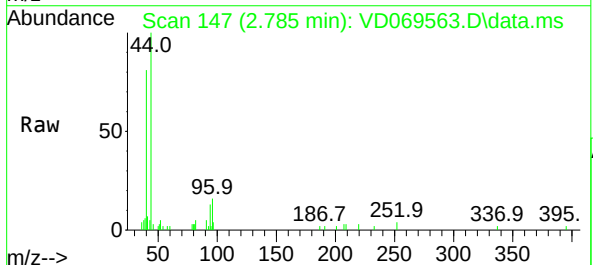
Instrument :
MSVOA_D
ClientSampleId :
SB-03-9.5-10.0

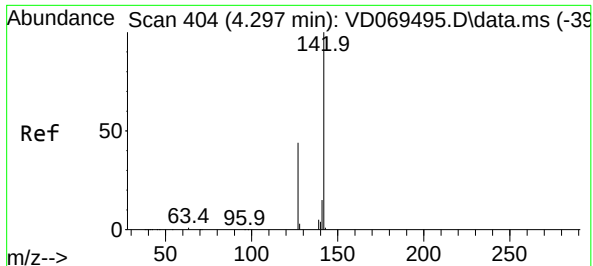
Tgt Ion:168 Resp: 609479
Ion Ratio Lower Upper
168 100
99 61.4 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD069563.D
Acq: 25 Jun 2021 13:57

Tgt Ion: 94 Resp: 2021
Ion Ratio Lower Upper
94 100
96 152.1 74.6 111.8#

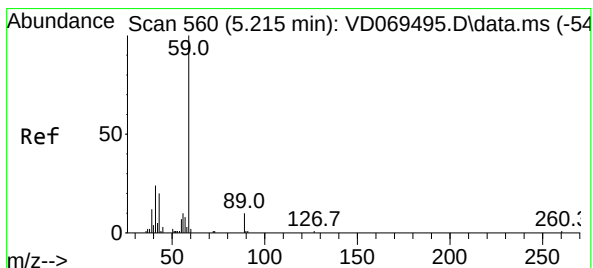
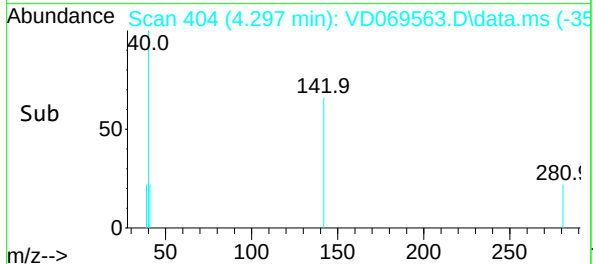
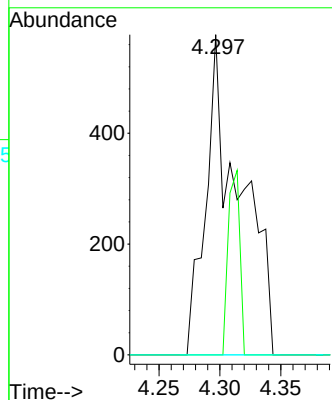
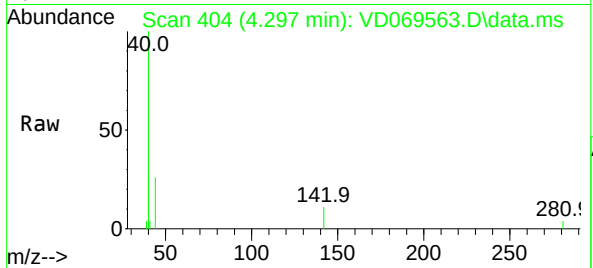




#10
Methyl Iodide
Concen: 4.102 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069563.D
Acq: 25 Jun 2021 13:57

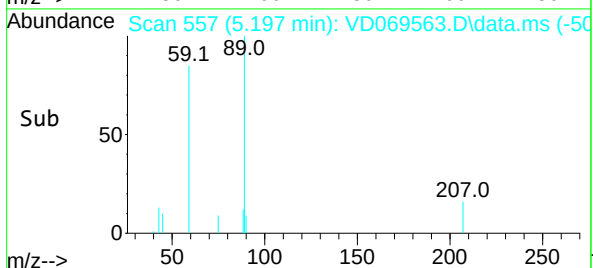
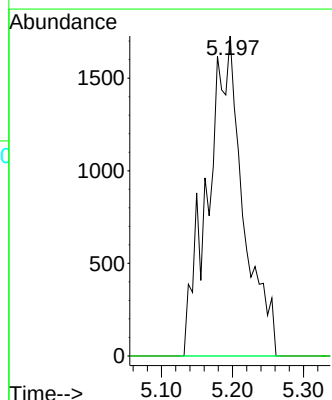
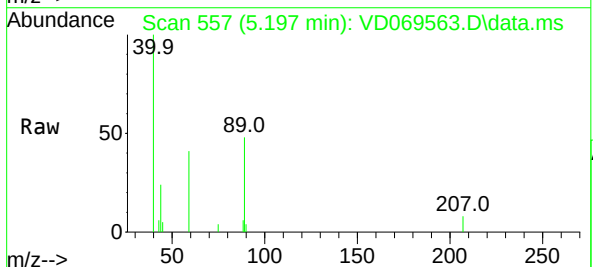
Instrument :
MSVOA_D
ClientSampleId :
SB-03-9.5-10.0

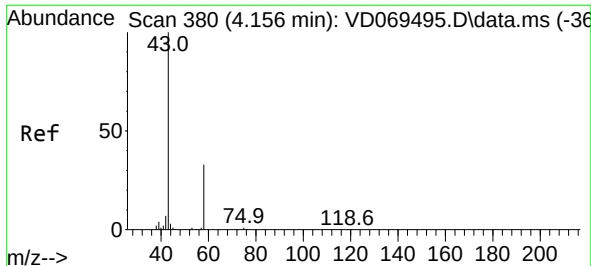
Tgt Ion:142 Resp: 1124
Ion Ratio Lower Upper
142 100
127 19.6 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.197 min Scan# 557
Delta R.T. -0.018 min
Lab File: VD069563.D
Acq: 25 Jun 2021 13:57

Tgt Ion: 59 Resp: 5981
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

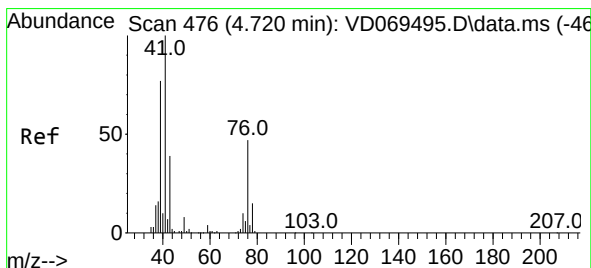
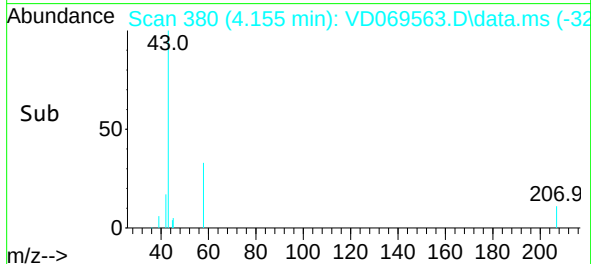
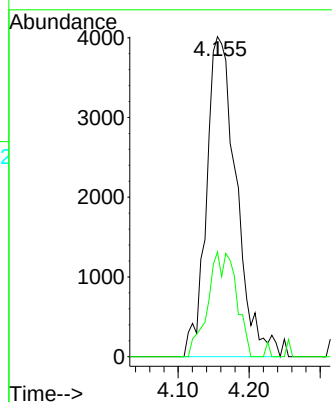
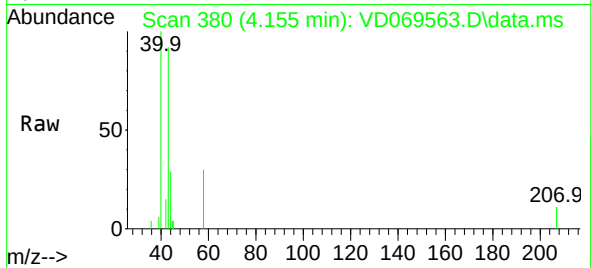




#16
Acetone
Concen: 9.143 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069563.D
Acq: 25 Jun 2021 13:57

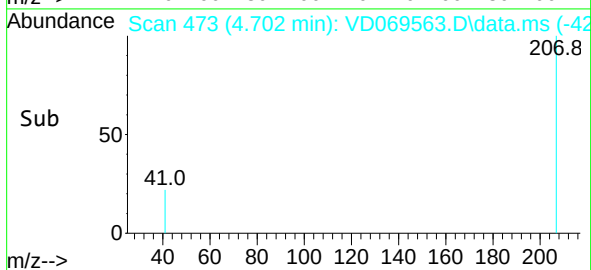
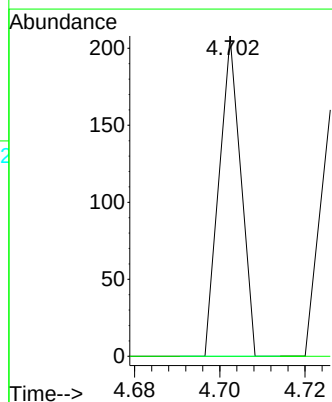
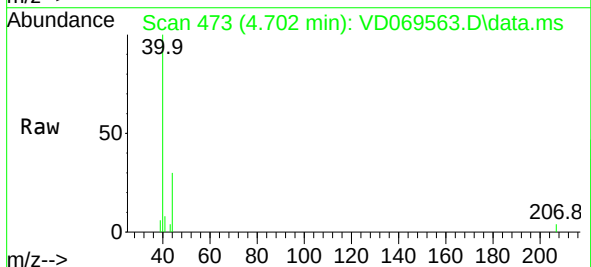
Instrument :
MSVOA_D
ClientSampleId :
SB-03-9.5-10.0

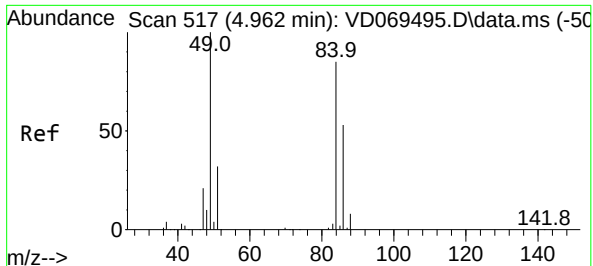
Tgt Ion: 43 Resp: 11691
Ion Ratio Lower Upper
43 100
58 32.8 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.702 min Scan# 473
Delta R.T. -0.018 min
Lab File: VD069563.D
Acq: 25 Jun 2021 13:57

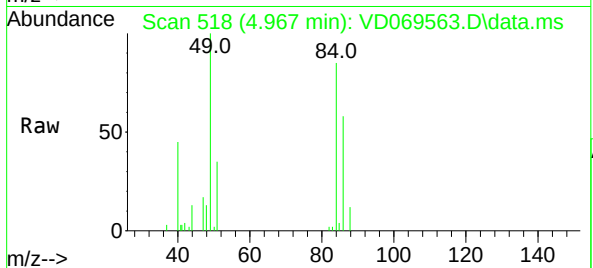
Tgt Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



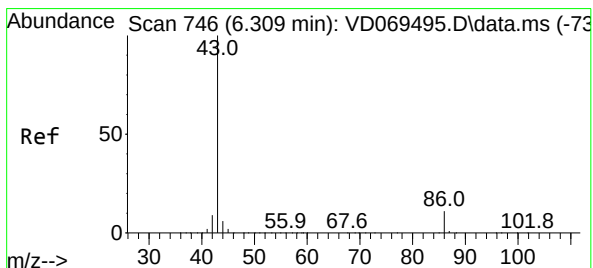
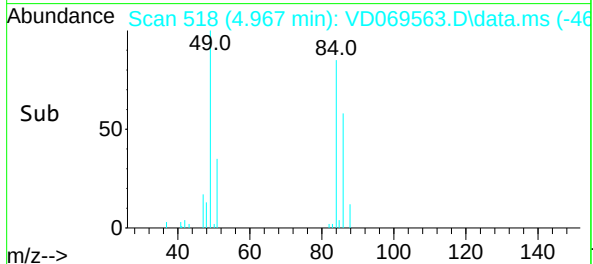
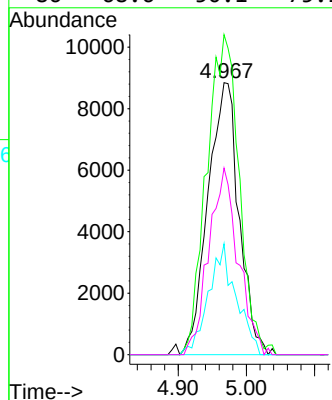


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069563.D
Acq: 25 Jun 2021 13:57

Instrument :
MSVOA_D
ClientSampleId :
SB-03-9.5-10.0

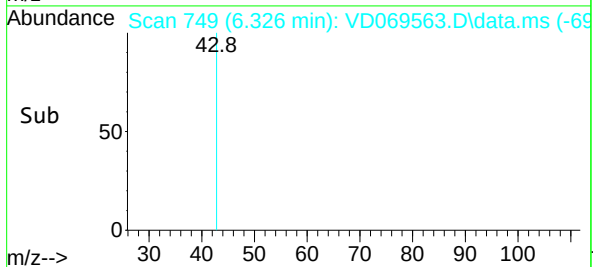
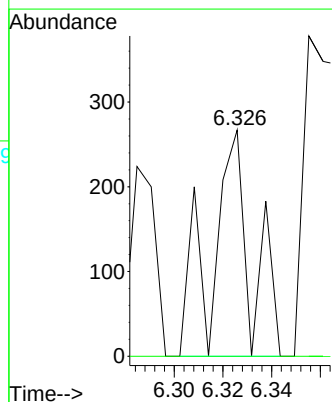
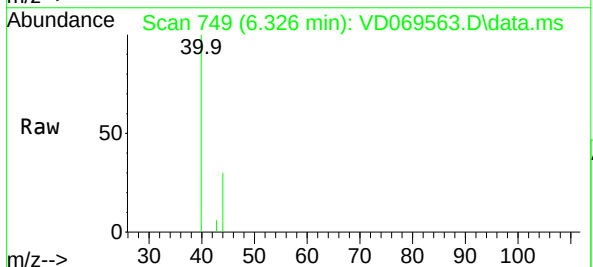


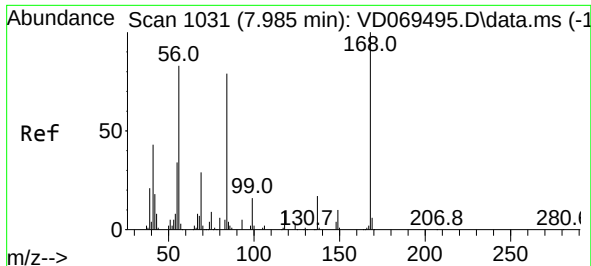
Tgt Ion:	84	Resp:	28035
Ion	Ratio	Lower	Upper
84	100		
49	117.7	94.0	141.0
51	40.8	29.7	44.5
86	68.6	50.1	75.1



#23
Vinyl Acetate
Concen: 19.036 ug/l
RT: 6.326 min Scan# 749
Delta R.T. 0.017 min
Lab File: VD069563.D
Acq: 25 Jun 2021 13:57

Tgt Ion:	43	Resp:	303
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#

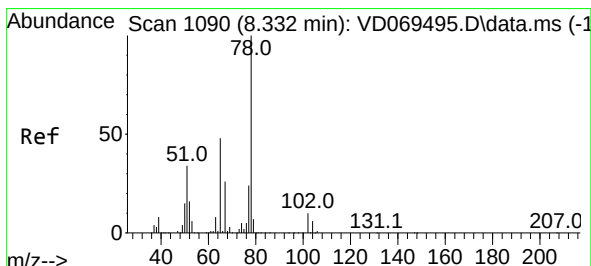
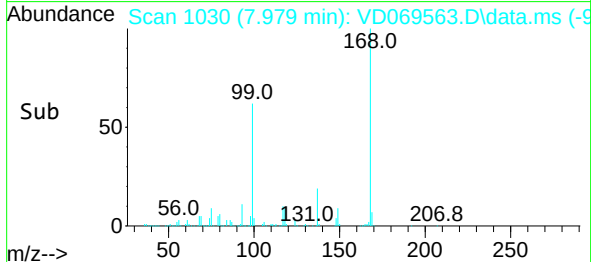
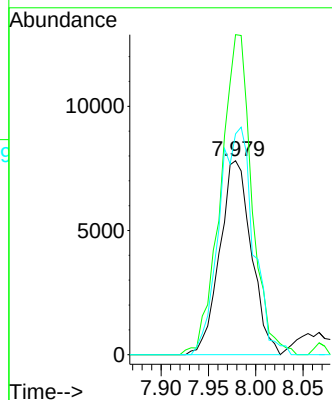
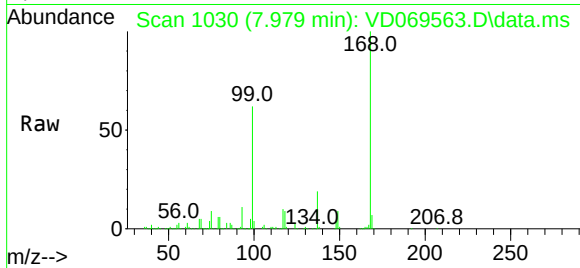




#31
Cyclohexane
Concen: 1.775 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069563.D
Acq: 25 Jun 2021 13:57

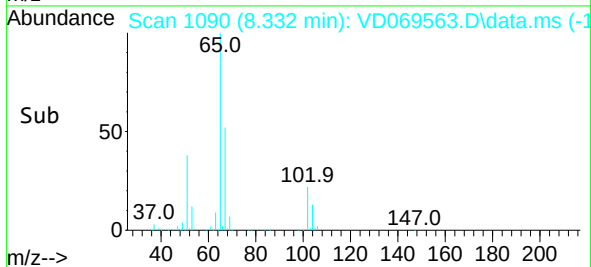
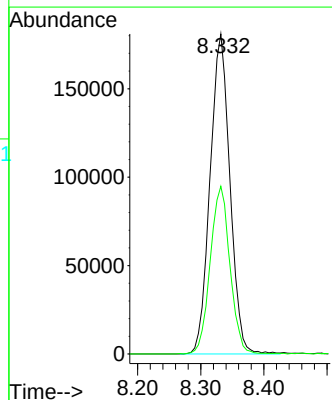
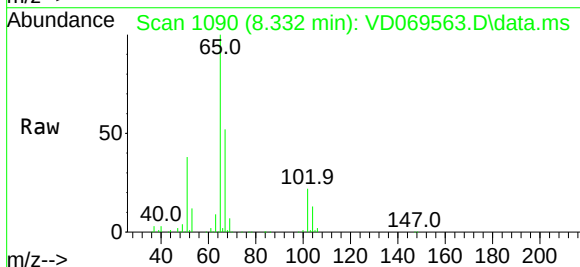
Instrument :
MSVOA_D
ClientSampleId :
SB-03-9.5-10.0

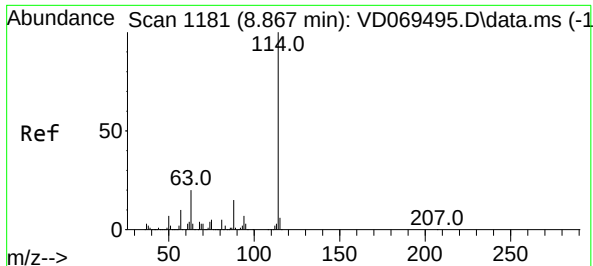
Tgt Ion: 56 Resp: 18152
Ion Ratio Lower Upper
56 100
69 165.0 28.0 42.0#
84 113.9 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 51.914 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069563.D
Acq: 25 Jun 2021 13:57

Tgt Ion: 65 Resp: 394394
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. -0.000 min

Lab File: VD069563.D

Acq: 25 Jun 2021 13:57

Tgt Ion:114 Resp: 1182721

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.6

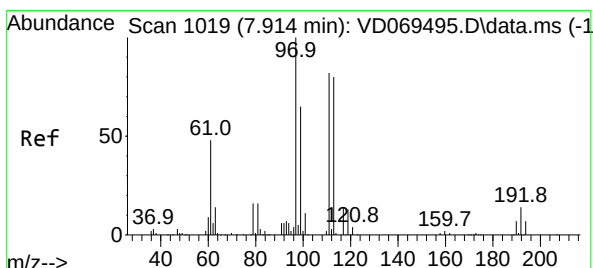
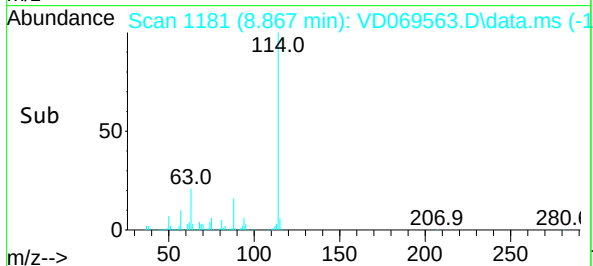
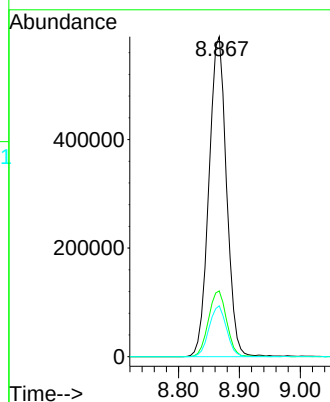
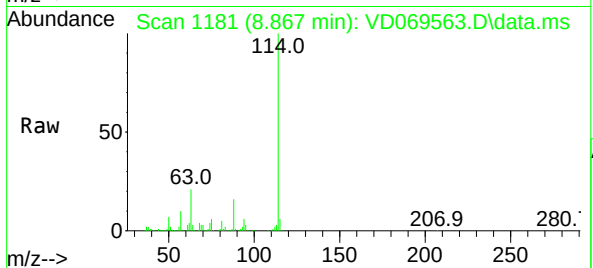
88 15.9 0.0 29.8

Instrument :

MSVOA_D

ClientSampleId :

SB-03-9.5-10.0



#35

Dibromofluoromethane

Concen: 49.559 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069563.D

Acq: 25 Jun 2021 13:57

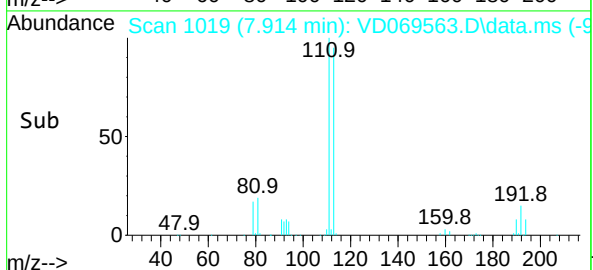
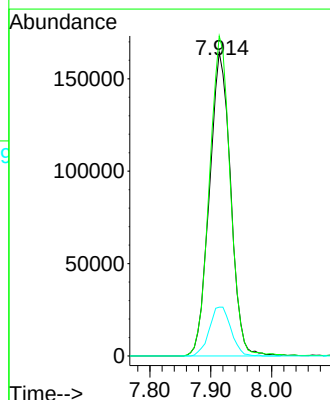
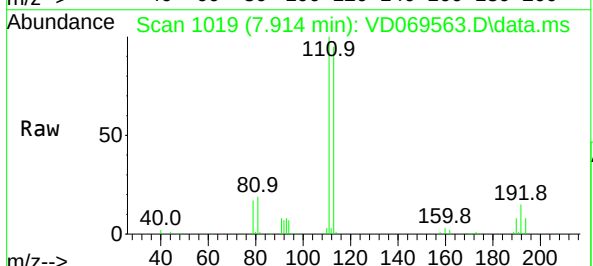
Tgt Ion:113 Resp: 396225

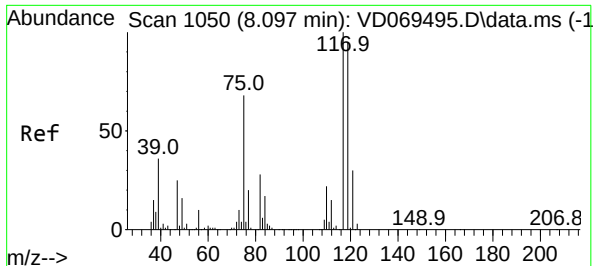
Ion Ratio Lower Upper

113 100

111 103.8 81.8 122.8

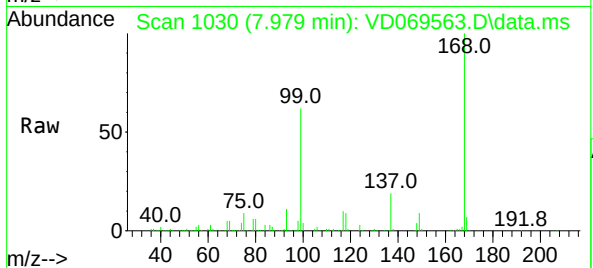
192 16.4 13.8 20.6



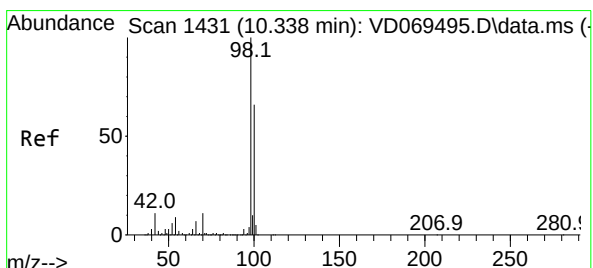
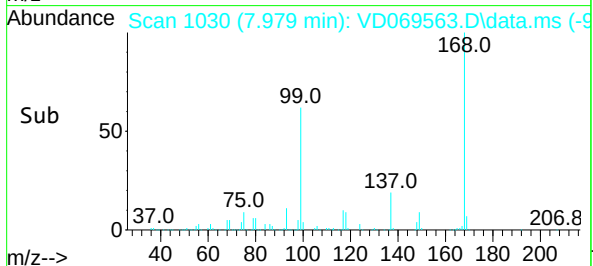
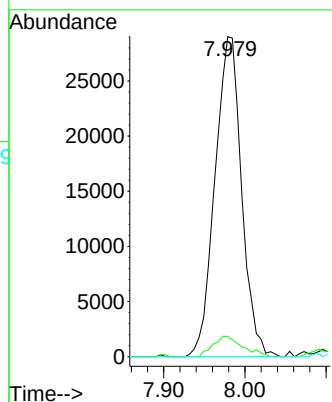


#38
Carbon Tetrachloride
Concen: 5.755 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069563.D
Acq: 25 Jun 2021 13:57

Instrument :
MSVOA_D
ClientSampleId :
SB-03-9.5-10.0

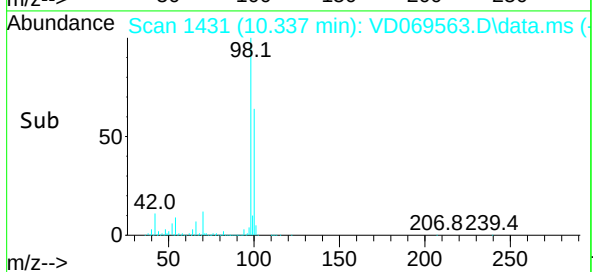
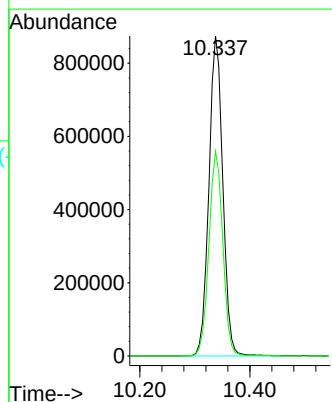
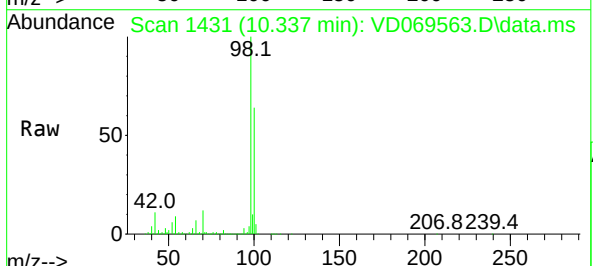


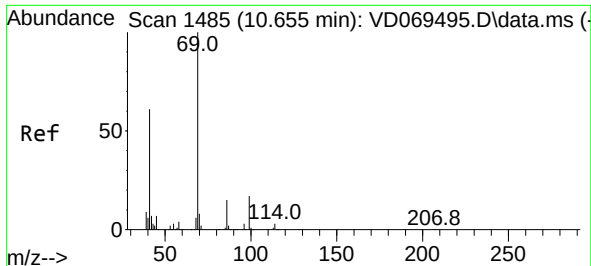
Tgt Ion:117 Resp: 66119
Ion Ratio Lower Upper
117 100
119 6.3 75.6 113.4#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 51.031 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069563.D
Acq: 25 Jun 2021 13:57

Tgt Ion: 98 Resp: 1530358
Ion Ratio Lower Upper
98 100
100 64.1 52.3 78.5

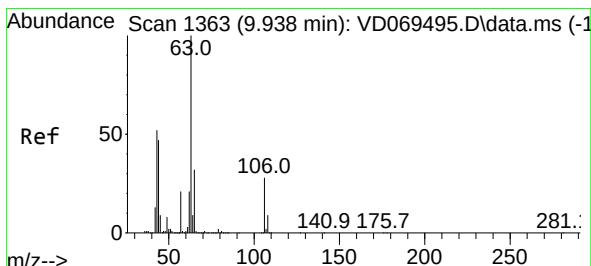
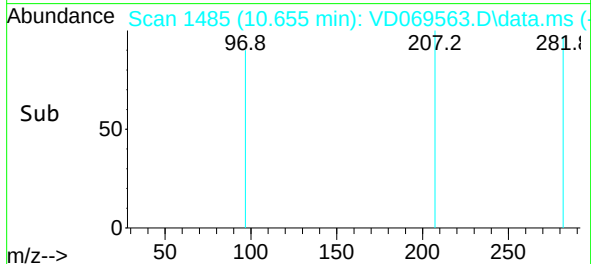
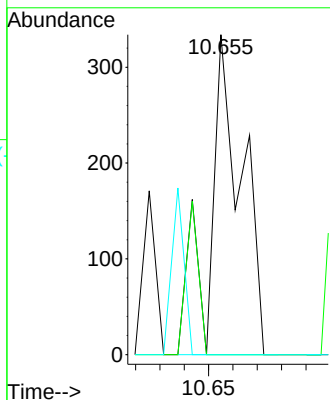
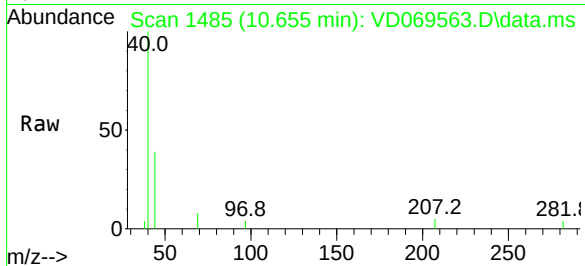




#56
Ethyl methacrylate
Concen: 2.620 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD069563.D
Acq: 25 Jun 2021 13:57

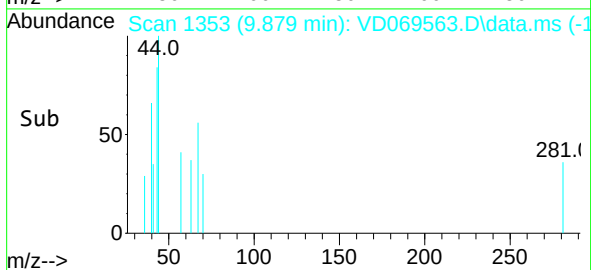
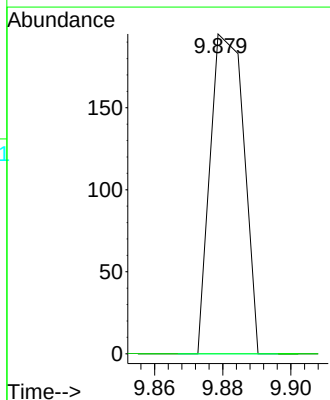
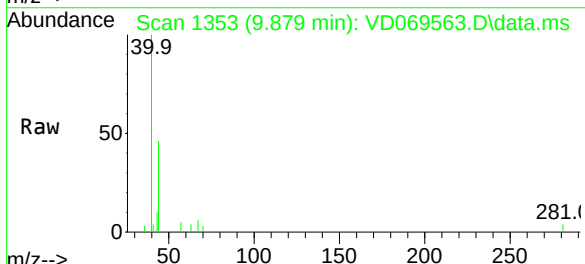
Instrument :
MSVOA_D
ClientSampleId :
SB-03-9.5-10.0

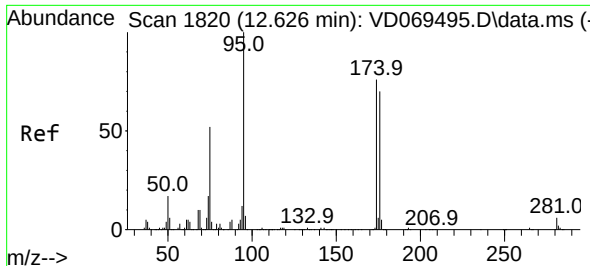
Tgt Ion:	69	Resp:	309
Ion	Ratio	Lower	Upper
69	100		
41	18.1	49.4	74.0#
39	19.7	26.9	40.3#



#58
2-Chloroethyl Vinyl ether
Concen: 10.633 ug/l
RT: 9.879 min Scan# 1353
Delta R.T. -0.059 min
Lab File: VD069563.D
Acq: 25 Jun 2021 13:57

Tgt Ion:	63	Resp:	133
Ion	Ratio	Lower	Upper
63	100		
106	0.0	22.2	33.2#

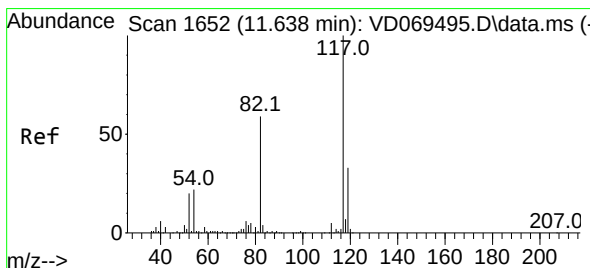
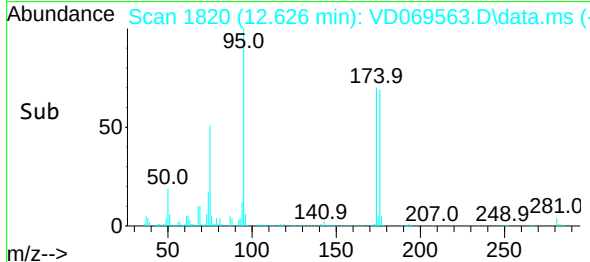
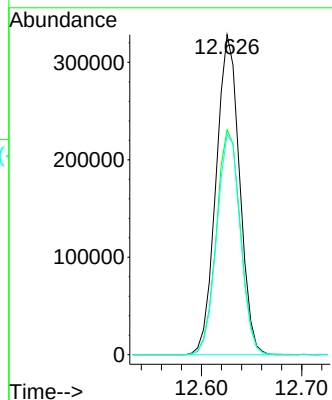
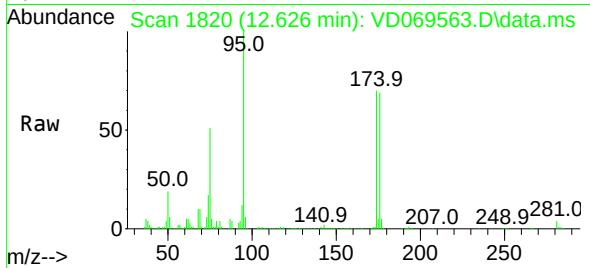




#62
4-Bromofluorobenzene
Concen: 53.972 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069563.D
Acq: 25 Jun 2021 13:57

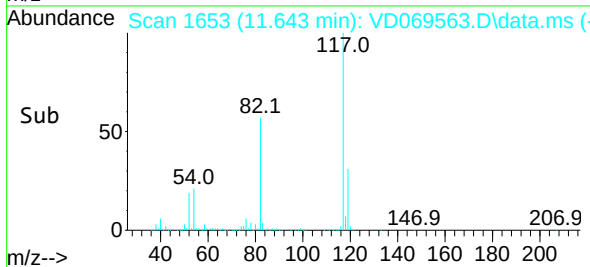
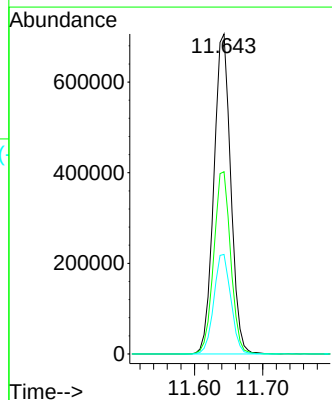
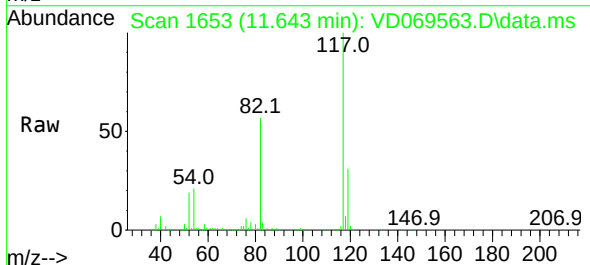
Instrument :
MSVOA_D
ClientSampleId :
SB-03-9.5-10.0

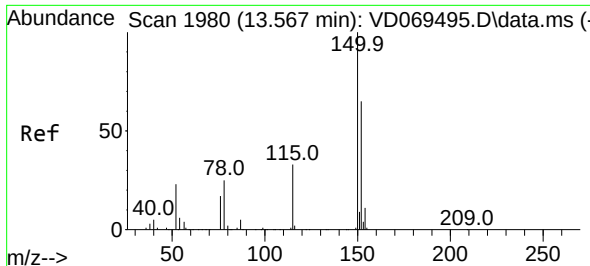
Tgt Ion: 95 Resp: 532107
Ion Ratio Lower Upper
95 100
174 71.9 0.0 148.0
176 69.5 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.005 min
Lab File: VD069563.D
Acq: 25 Jun 2021 13:57

Tgt Ion: 117 Resp: 1218603
Ion Ratio Lower Upper
117 100
82 57.0 46.8 70.2
119 31.1 26.2 39.2

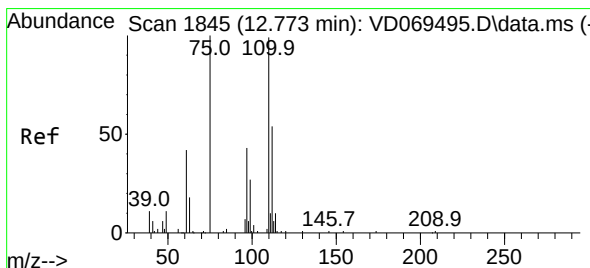
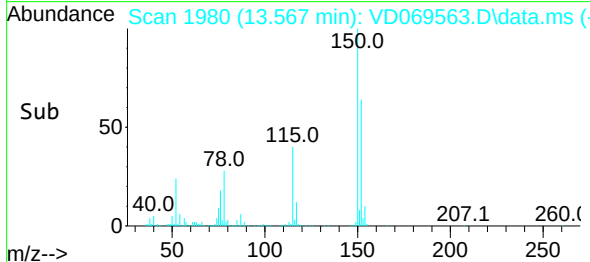
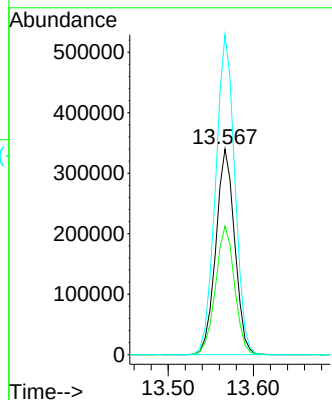
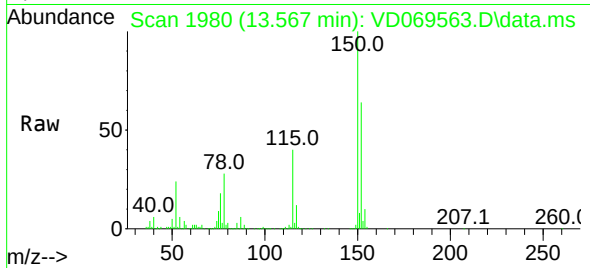




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069563.D
 Acq: 25 Jun 2021 13:57

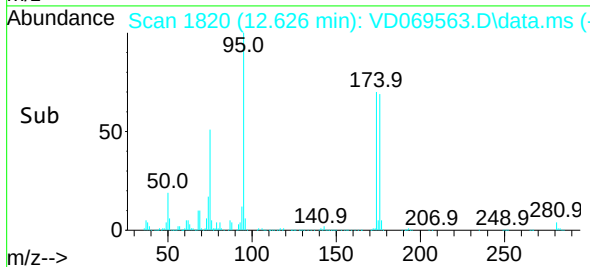
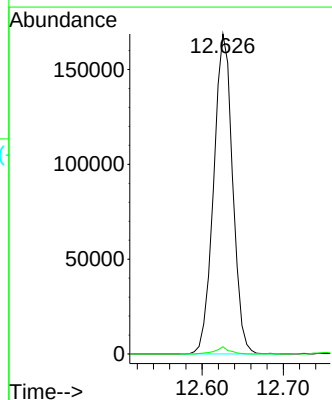
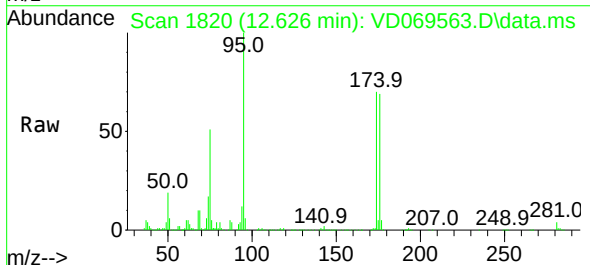
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-03-9.5-10.0

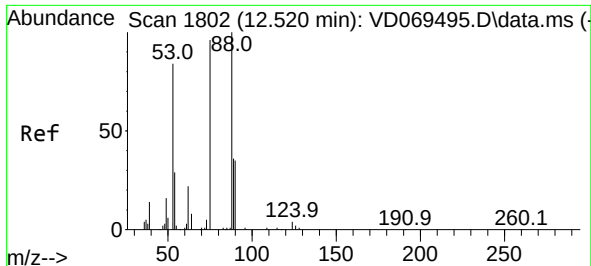
Tgt Ion:152 Resp: 522955
 Ion Ratio Lower Upper
 152 100
 115 63.1 31.7 95.1
 150 158.6 0.0 350.8



#76
 1,2,3-Trichloropropane
 Concen: 53.344 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069563.D
 Acq: 25 Jun 2021 13:57

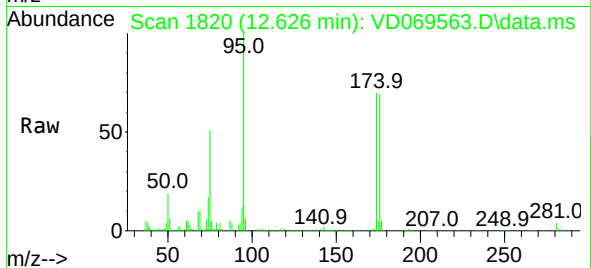
Tgt Ion: 75 Resp: 273838
 Ion Ratio Lower Upper
 75 100
 77 1.7 162.6 487.8#



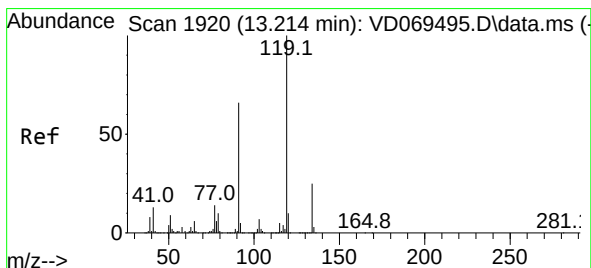
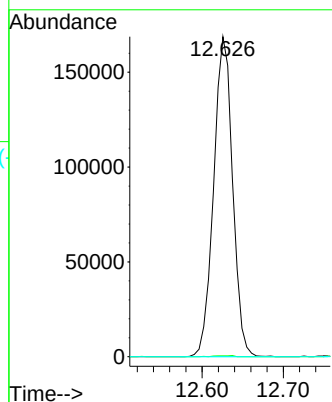
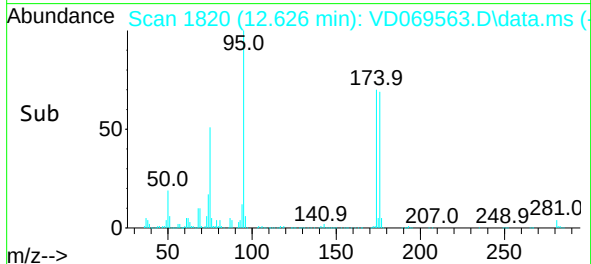


#81
 trans-1,4-Dichloro-2-butene
 Concen: 133.192 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069563.D
 Acq: 25 Jun 2021 13:57

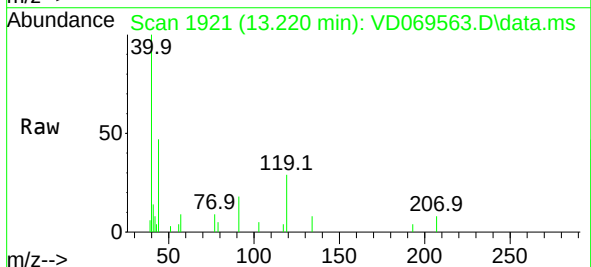
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-03-9.5-10.0



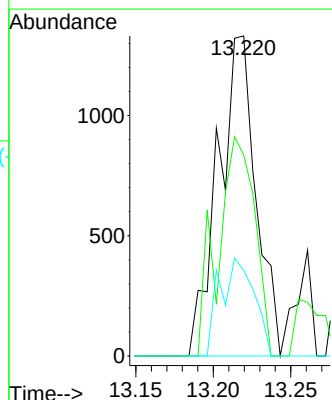
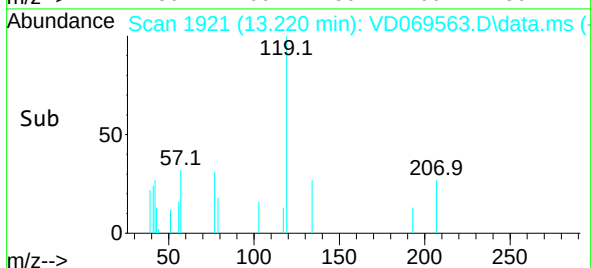
Tgt Ion: 75 Resp: 273838
 Ion Ratio Lower Upper
 75 100
 53 0.3 74.6 112.0#
 89 0.0 35.3 52.9#

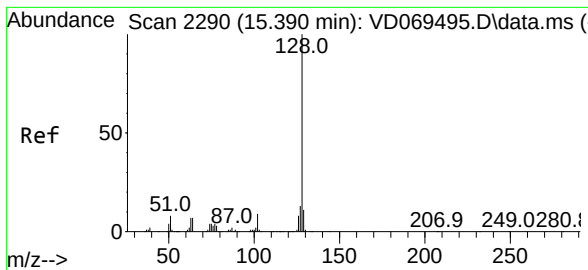


#83
 tert-Butylbenzene
 Concen: 2.072 ug/l
 RT: 13.220 min Scan# 1921
 Delta R.T. 0.006 min
 Lab File: VD069563.D
 Acq: 25 Jun 2021 13:57



Tgt Ion: 119 Resp: 2256
 Ion Ratio Lower Upper
 119 100
 91 66.8 32.5 97.4
 134 27.9 12.9 38.7





#95
Naphthalene
Concen: 3.443 ug/l
RT: 15.372 min Scan# 2287
Delta R.T. -0.018 min
Lab File: VD069563.D
Acq: 25 Jun 2021 13:57

Instrument :
MSVOA_D
ClientSampleId :
SB-03-9.5-10.0

Tgt Ion:	128	Resp:	1554
Ion	Ratio	Lower	Upper
128	100		
127	24.7	10.6	16.0#
129	0.0	8.7	13.1#

