

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062521\
 Data File : VD069567.D
 Acq On : 25 Jun 2021 15:50
 Operator : VA/SY
 Sample : M2856-13
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-07-9.5-10.0

Quant Time: Jun 26 03:39:27 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)

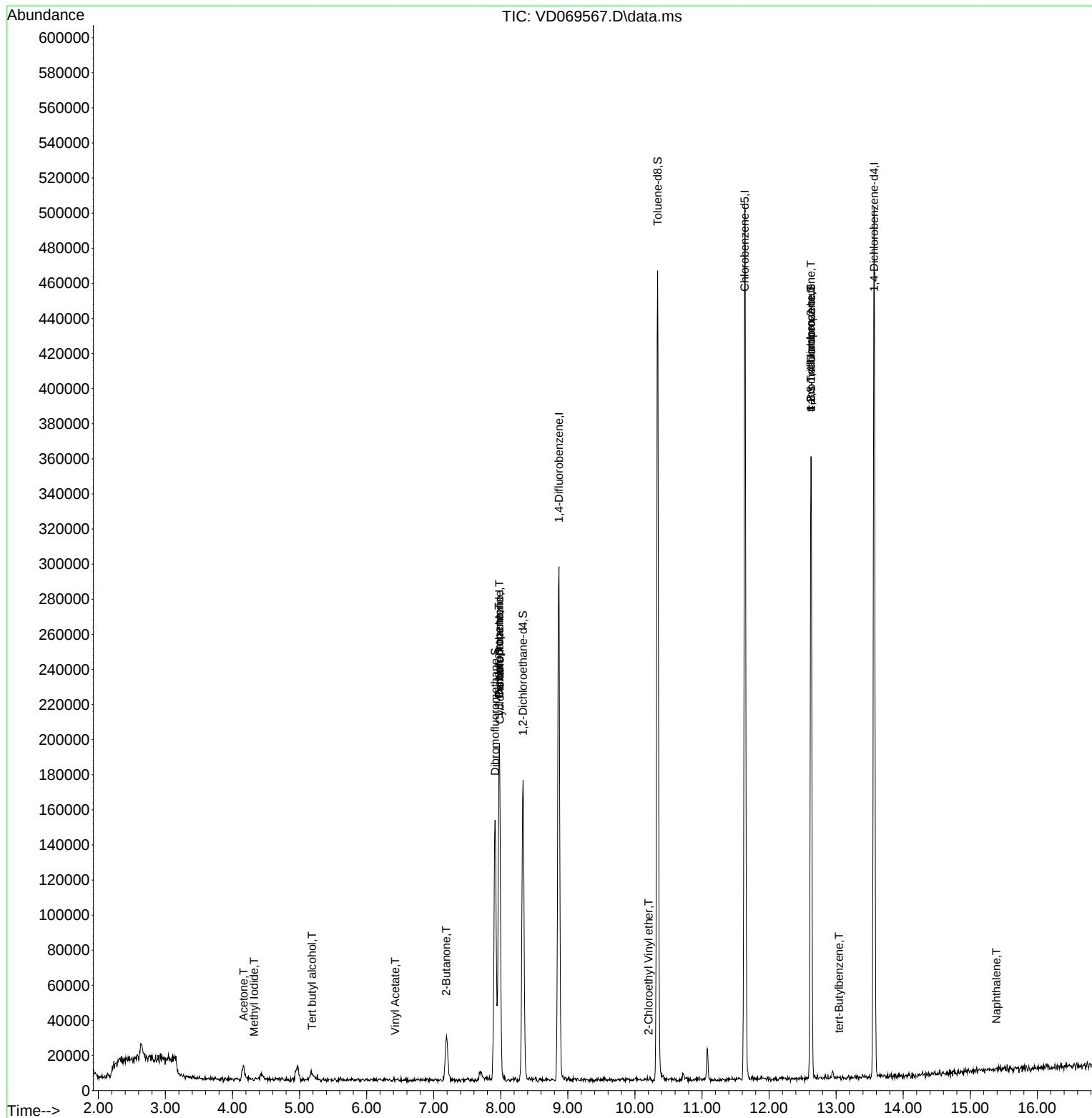
Internal Standards						
1) Pentafluorobenzene	7.979	168	132586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	244403	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	287870	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	126397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	137170	82.999	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 166.000%#			
35) Dibromofluoromethane	7.914	113	111412	67.436	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 134.880%			
50) Toluene-d8	10.338	98	317905	51.300	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.600%			
62) 4-Bromofluorobenzene	12.626	95	122819	60.285	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 120.580%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.750	94	74	Below Cal	#	3
10) Methyl Iodide	4.320	142	183	4.062	ug/l #	39
11) Tert butyl alcohol	5.185	59	5052	17.892	ug/l #	83
16) Acetone	4.167	43	13993	50.304	ug/l	97
18) Methyl Acetate	4.714	43	56	Below Cal	#	49
20) Methylene Chloride	4.961	84	7245	Below Cal	#	73
23) Vinyl Acetate	6.426	43	59	19.034	ug/l #	70
25) 2-Butanone	7.185	43	1280	3.621	ug/l	93
31) Cyclohexane	7.985	56	4251	1.910	ug/l #	16
36) 1,1-Dichloropropene	7.973	75	12962	5.404	ug/l #	49
38) Carbon Tetrachloride	7.979	117	15672	6.602	ug/l #	17
58) 2-Chloroethyl Vinyl ether	10.202	63	58	10.669	ug/l #	47
76) 1,2,3-Trichloropropane	12.626	75	62787	50.604	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	62787	126.352	ug/l #	12
83) tert-Butylbenzene	13.043	119	54	2.000	ug/l #	27
95) Naphthalene	15.390	128	319	3.430	ug/l #	69

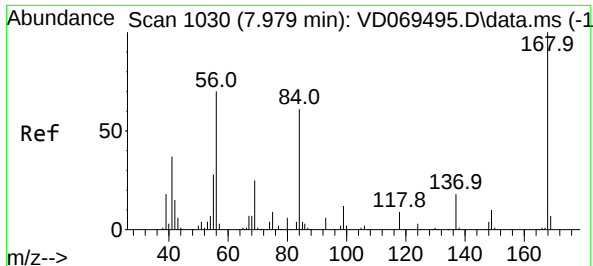
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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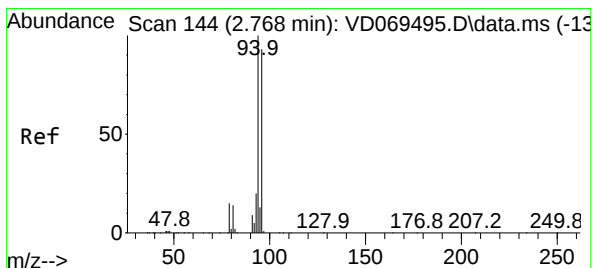
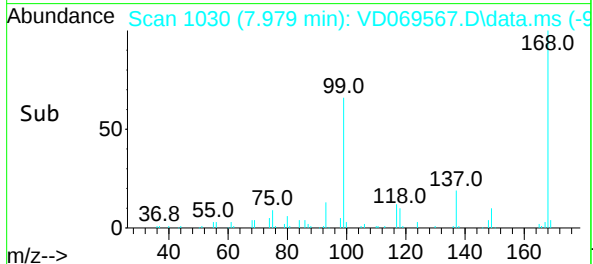
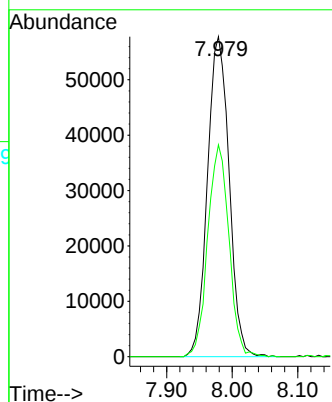
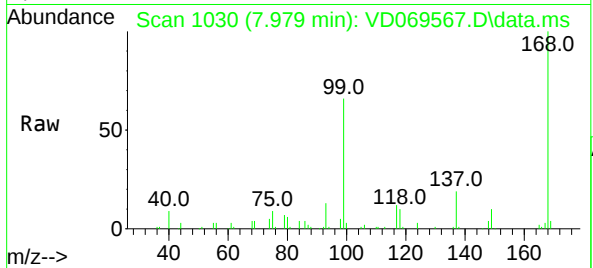




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069567.D
Acq: 25 Jun 2021 15:50

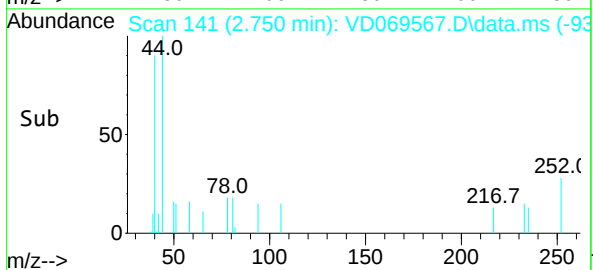
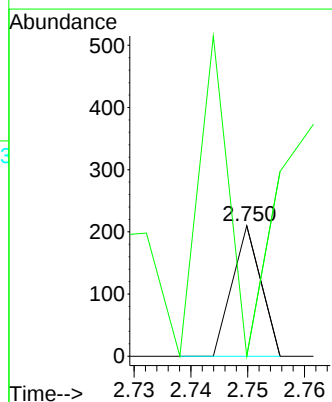
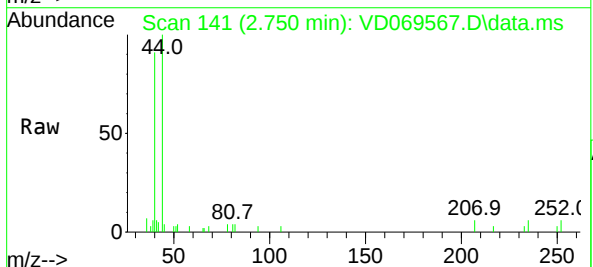
Instrument :
MSVOA_D
ClientSampleId :
SB-07-9.5-10.0

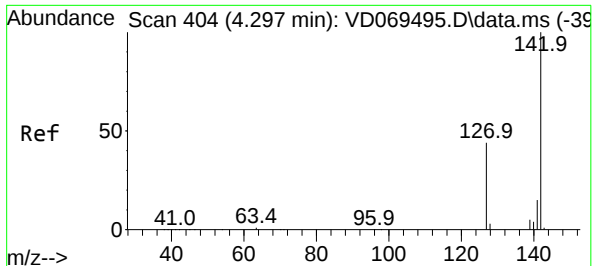
Tgt Ion:168 Resp: 132586
Ion Ratio Lower Upper
168 100
99 66.2 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.750 min Scan# 141
Delta R.T. -0.018 min
Lab File: VD069567.D
Acq: 25 Jun 2021 15:50

Tgt Ion: 94 Resp: 74
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

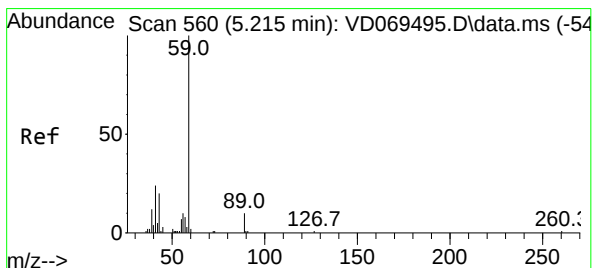
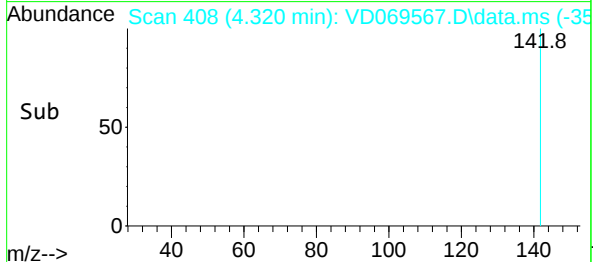
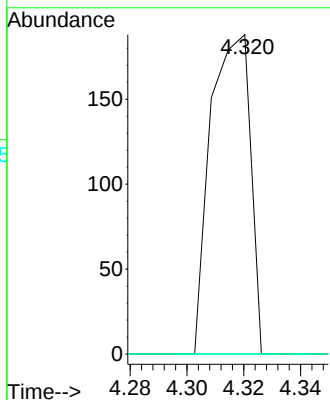
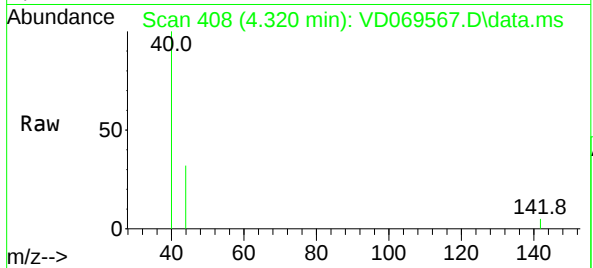




#10
Methyl Iodide
Concen: 4.062 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.023 min
Lab File: VD069567.D
Acq: 25 Jun 2021 15:50

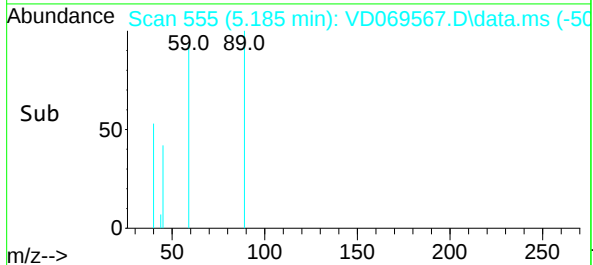
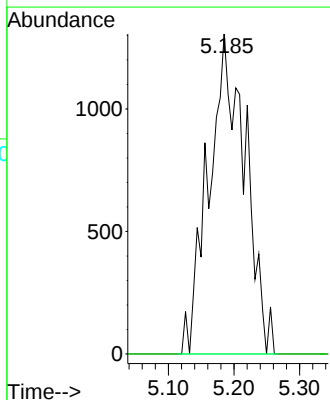
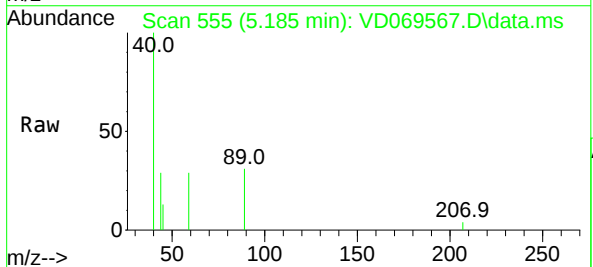
Instrument :
MSVOA_D
ClientSampleId :
SB-07-9.5-10.0

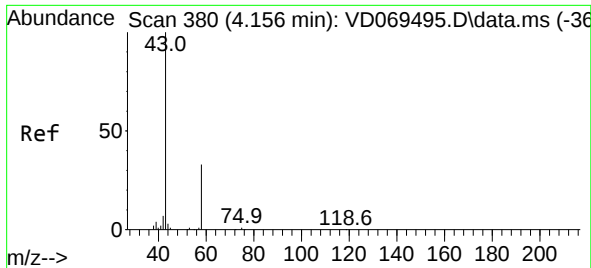
Tgt Ion:	142	Resp:	183
Ion	Ratio	Lower	Upper
142	100		
127	0.0	36.5	54.7#
141	0.0	12.0	18.0#



#11
Tert butyl alcohol
Concen: 17.892 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.030 min
Lab File: VD069567.D
Acq: 25 Jun 2021 15:50

Tgt Ion:	59	Resp:	5052
Ion	Ratio	Lower	Upper
59	100		
57	0.0	4.6	7.0#

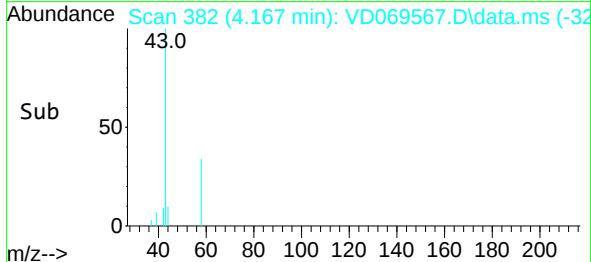
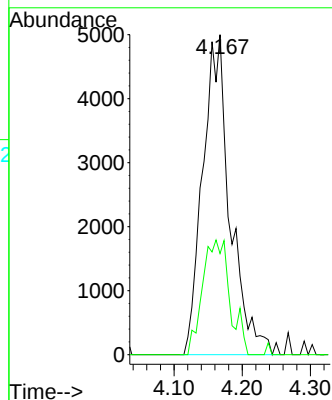
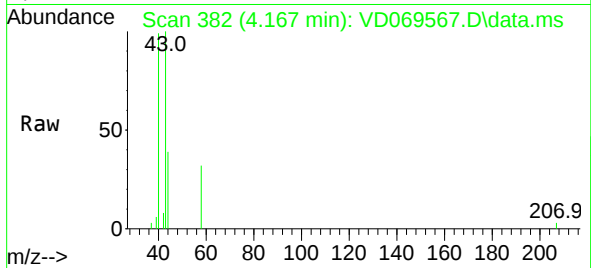




#16
Acetone
Concen: 50.304 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD069567.D
Acq: 25 Jun 2021 15:50

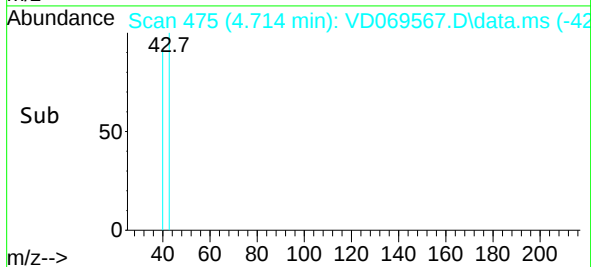
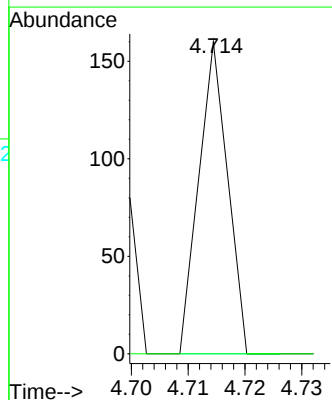
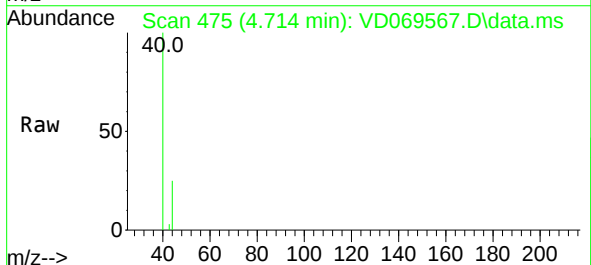
Instrument :
MSVOA_D
ClientSampleId :
SB-07-9.5-10.0

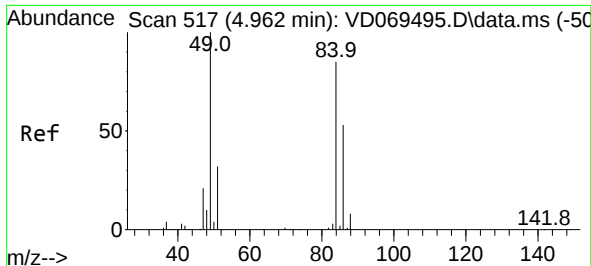
Tgt Ion: 43 Resp: 13993
Ion Ratio Lower Upper
43 100
58 31.6 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.714 min Scan# 475
Delta R.T. -0.006 min
Lab File: VD069567.D
Acq: 25 Jun 2021 15:50

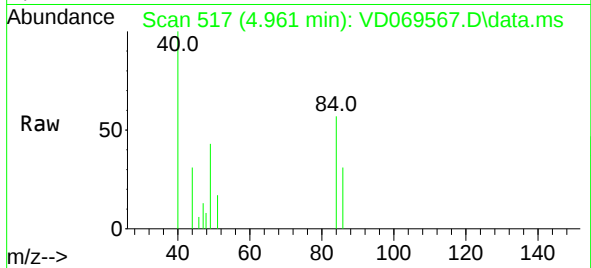
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



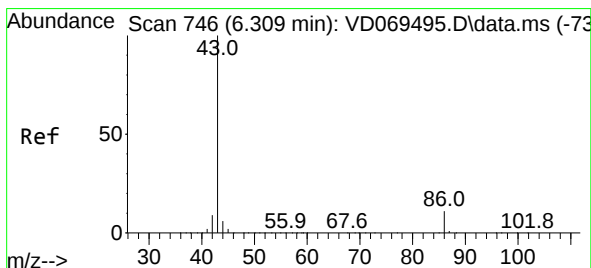
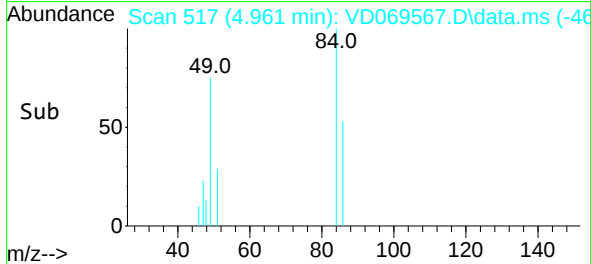
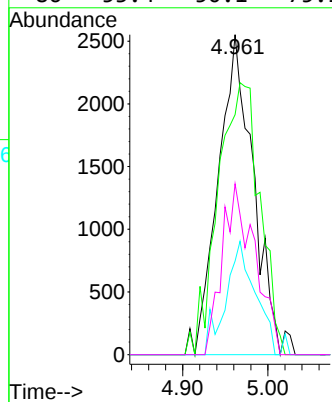


#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD069567.D
Acq: 25 Jun 2021 15:50

Instrument :
MSVOA_D
ClientSampleId :
SB-07-9.5-10.0

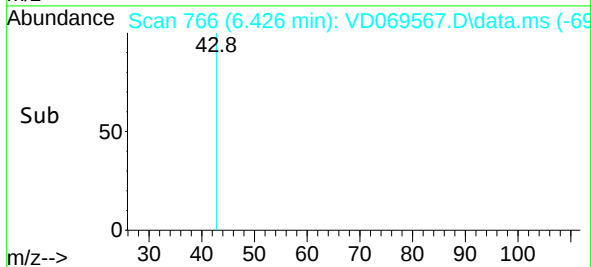
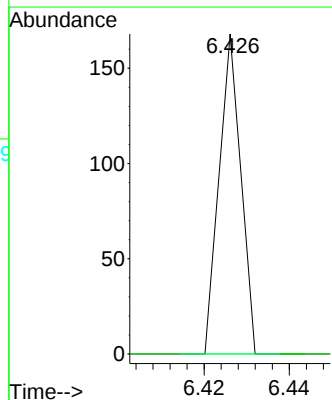
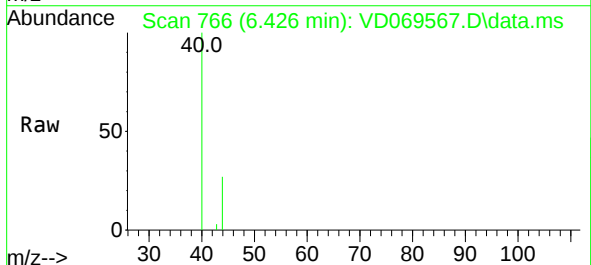


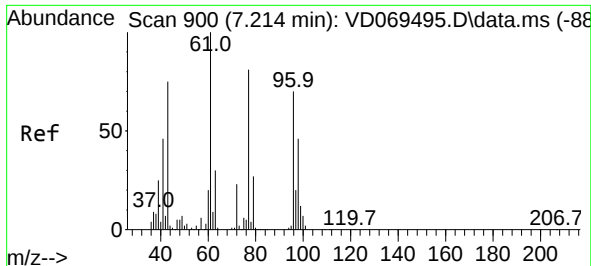
Tgt Ion:	84	Resp:	7245
Ion	Ratio	Lower	Upper
84	100		
49	75.0	94.0	141.0#
51	29.2	29.7	44.5#
86	53.4	50.1	75.1



#23
Vinyl Acetate
Concen: 19.034 ug/l
RT: 6.426 min Scan# 766
Delta R.T. 0.117 min
Lab File: VD069567.D
Acq: 25 Jun 2021 15:50

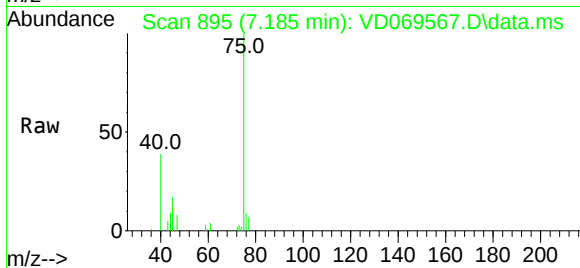
Tgt Ion:	43	Resp:	59
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#



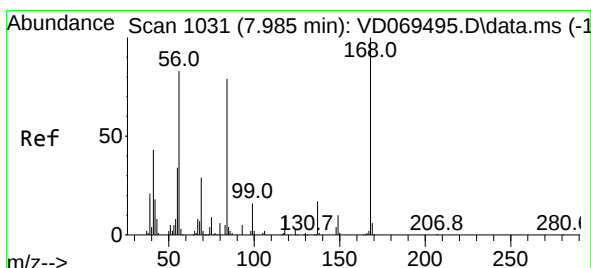
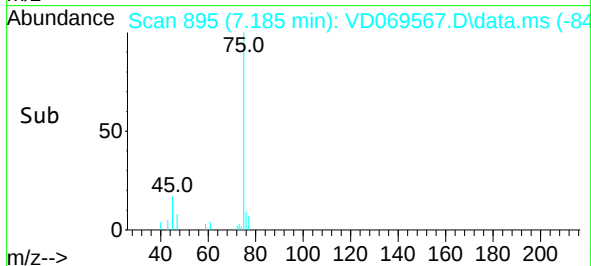
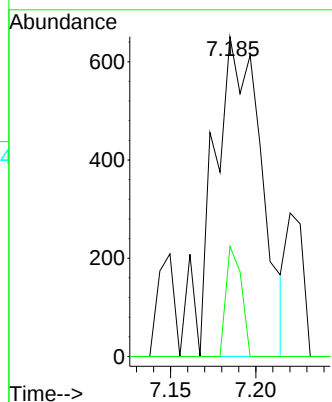


#25
2-Butanone
Concen: 3.621 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.030 min
Lab File: VD069567.D
Acq: 25 Jun 2021 15:50

Instrument :
MSVOA_D
ClientSampleId :
SB-07-9.5-10.0

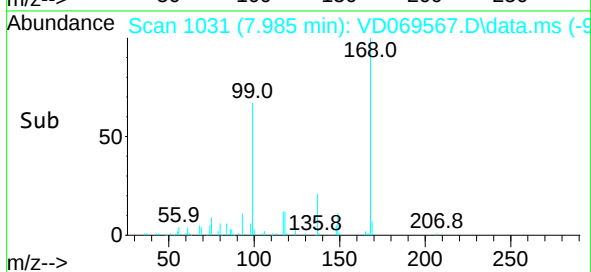
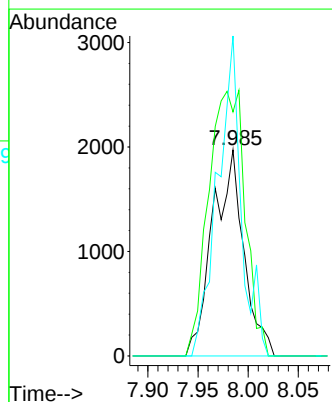
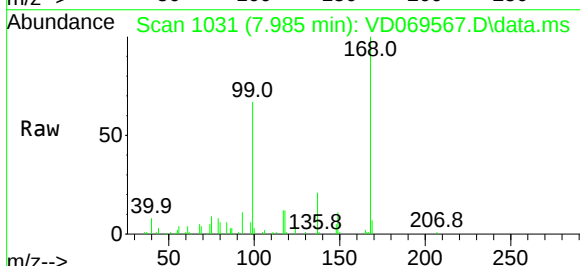


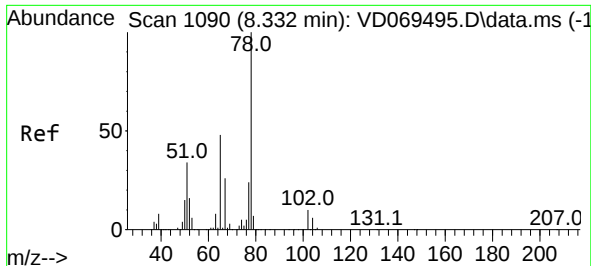
Tgt Ion: 43 Resp: 1280
Ion Ratio Lower Upper
43 100
72 34.4 24.3 36.5



#31
Cyclohexane
Concen: 1.910 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069567.D
Acq: 25 Jun 2021 15:50

Tgt Ion: 56 Resp: 4251
Ion Ratio Lower Upper
56 100
69 118.3 28.0 42.0#
84 155.2 75.7 113.5#

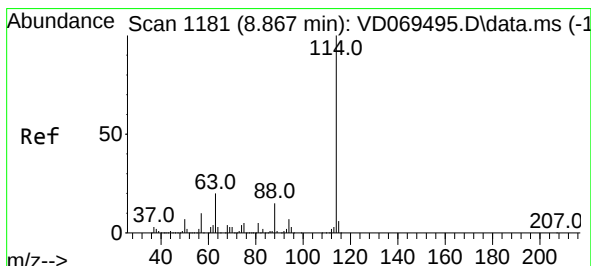
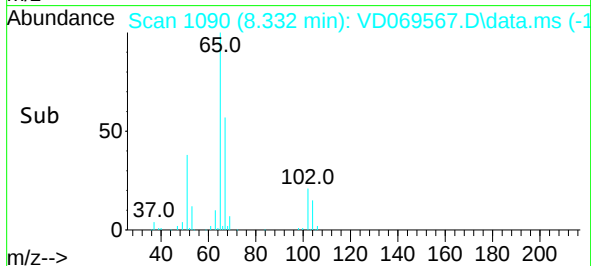
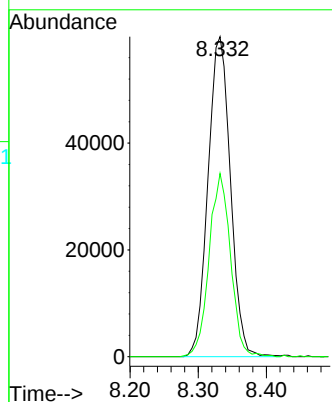
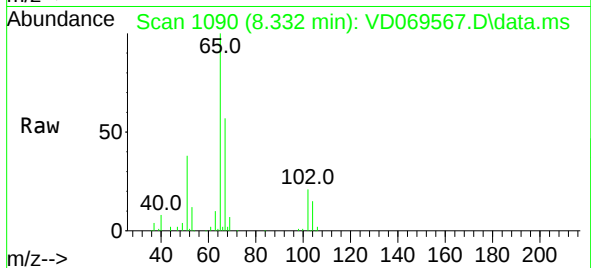




#33
1,2-Dichloroethane-d4
Concen: 82.999 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069567.D
Acq: 25 Jun 2021 15:50

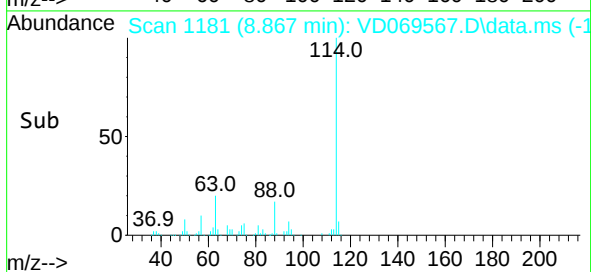
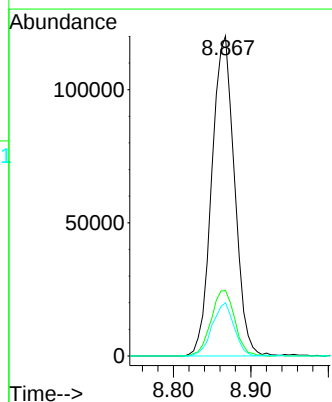
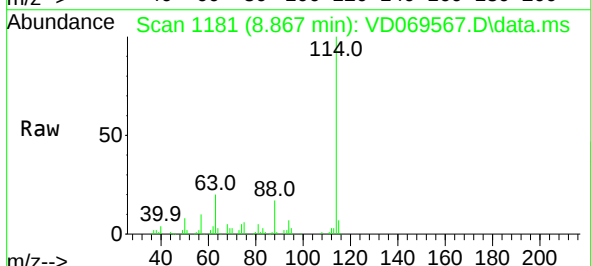
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MSVOA_D
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SB-07-9.5-10.0

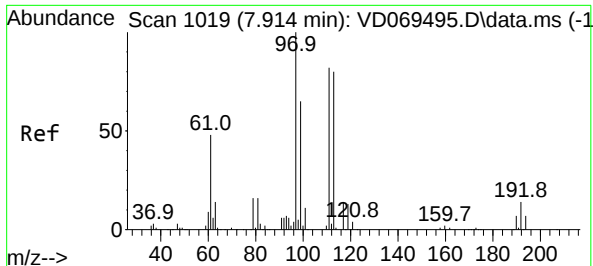
Tgt Ion: 65 Resp: 137170
Ion Ratio Lower Upper
65 100
67 54.8 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069567.D
Acq: 25 Jun 2021 15:50

Tgt Ion: 114 Resp: 244403
Ion Ratio Lower Upper
114 100
63 20.4 0.0 39.6
88 16.6 0.0 29.8





#35

Dibromofluoromethane

Concen: 67.436 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069567.D

Acq: 25 Jun 2021 15:50

Tgt Ion:113 Resp: 111412

Ion Ratio Lower Upper

113 100

111 100.1 81.8 122.8

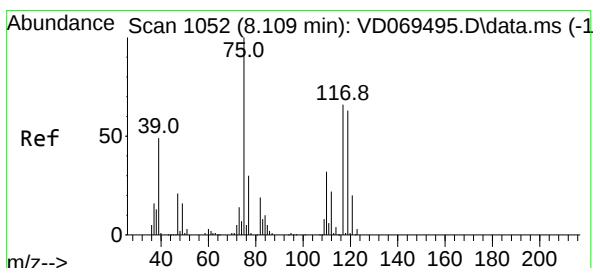
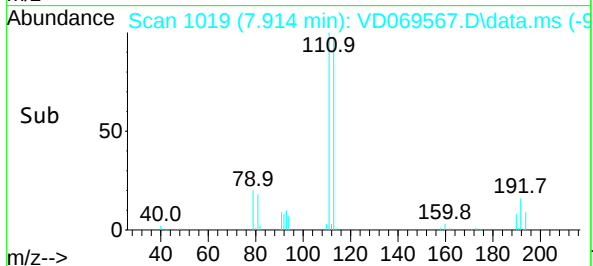
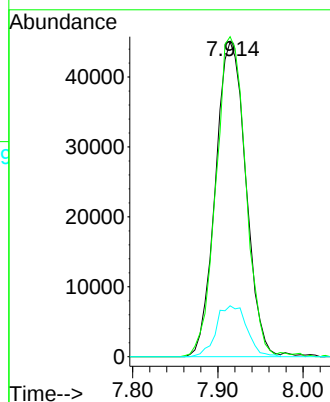
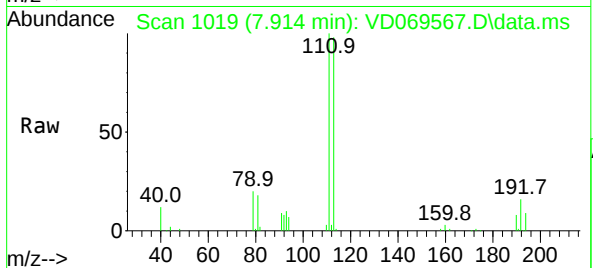
192 16.3 13.8 20.6

Instrument :

MSVOA_D

ClientSampleId :

SB-07-9.5-10.0



#36

1,1-Dichloropropene

Concen: 5.404 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD069567.D

Acq: 25 Jun 2021 15:50

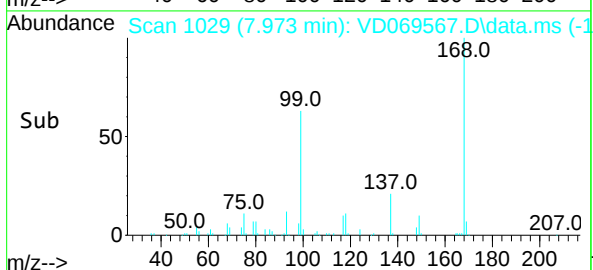
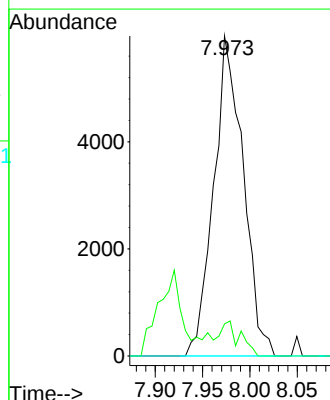
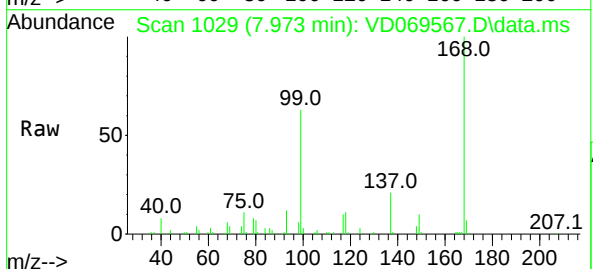
Tgt Ion: 75 Resp: 12962

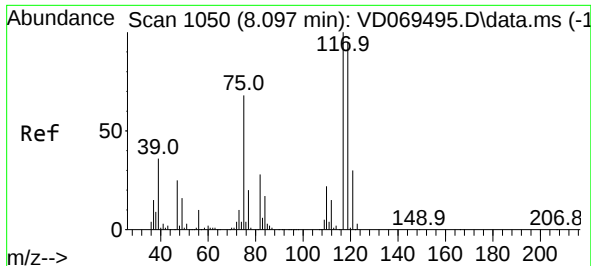
Ion Ratio Lower Upper

75 100

110 7.3 16.8 50.4#

77 0.0 24.3 36.5#

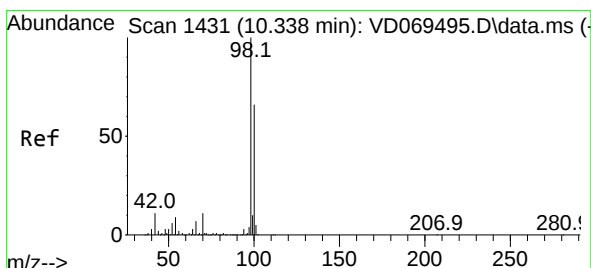
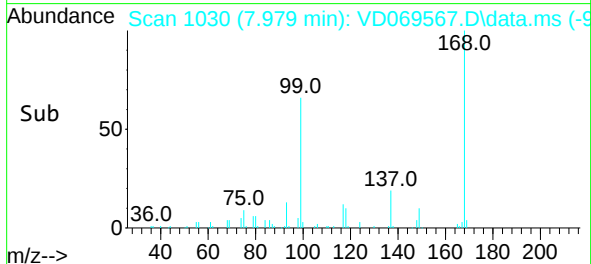
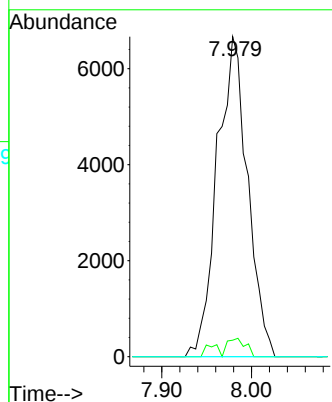
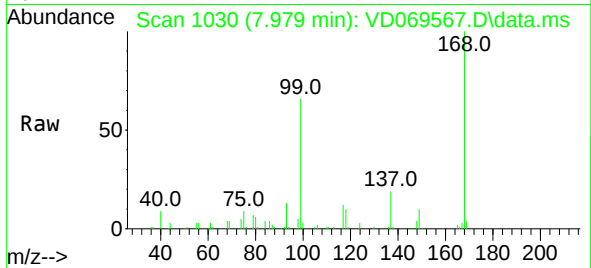




#38
Carbon Tetrachloride
Concen: 6.602 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069567.D
Acq: 25 Jun 2021 15:50

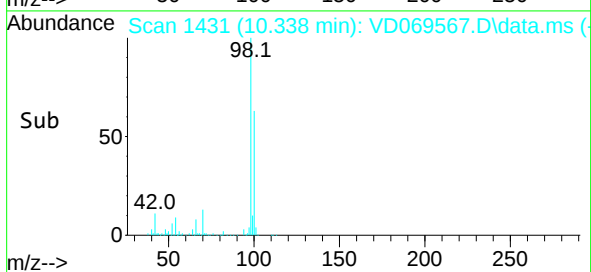
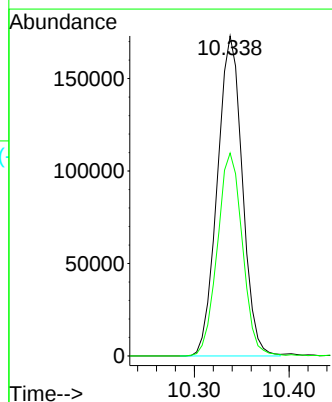
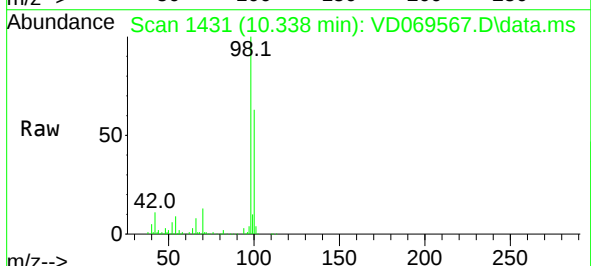
Instrument :
MSVOA_D
ClientSampleId :
SB-07-9.5-10.0

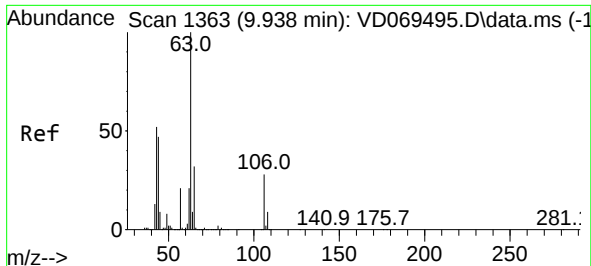
Tgt Ion:117 Resp: 15672
Ion Ratio Lower Upper
117 100
119 5.1 75.6 113.4#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 51.300 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069567.D
Acq: 25 Jun 2021 15:50

Tgt Ion: 98 Resp: 317905
Ion Ratio Lower Upper
98 100
100 63.4 52.3 78.5

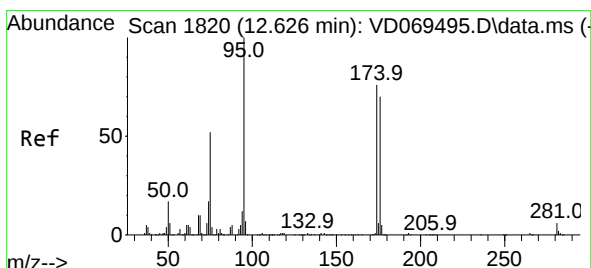
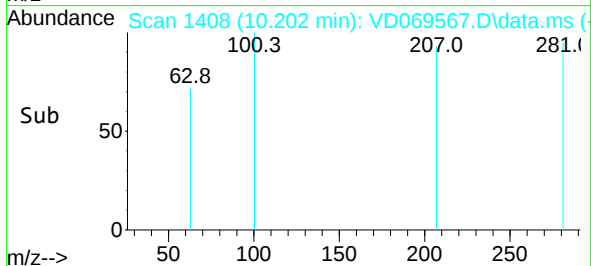
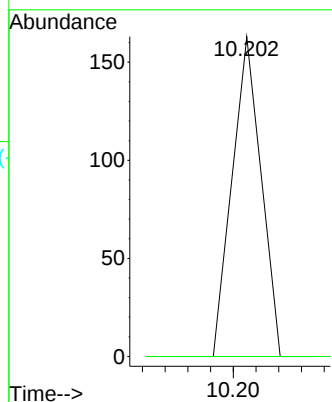
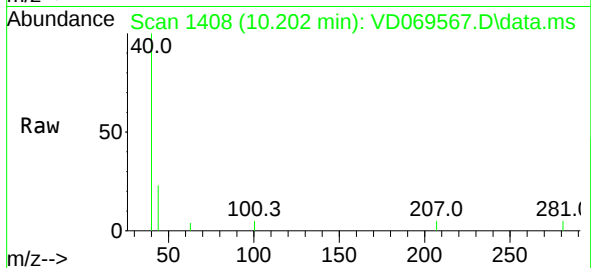




#58
2-Chloroethyl Vinyl ether
Concen: 10.669 ug/l
RT: 10.202 min Scan# 1408
Delta R.T. 0.264 min
Lab File: VD069567.D
Acq: 25 Jun 2021 15:50

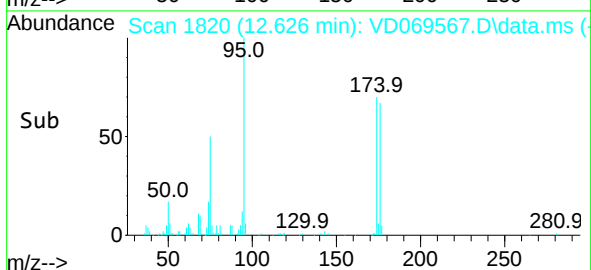
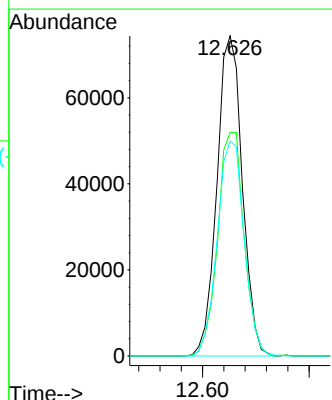
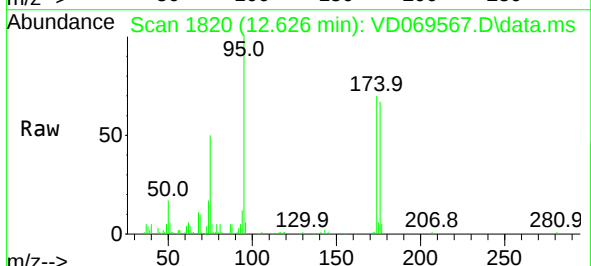
Instrument :
MSVOA_D
ClientSampleId :
SB-07-9.5-10.0

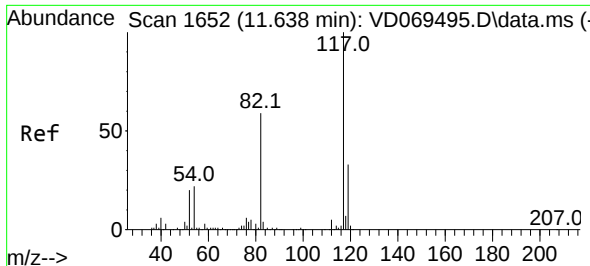
Tgt Ion: 63 Resp: 58
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#



#62
4-Bromofluorobenzene
Concen: 60.285 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069567.D
Acq: 25 Jun 2021 15:50

Tgt Ion: 95 Resp: 122819
Ion Ratio Lower Upper
95 100
174 72.7 0.0 148.0
176 71.2 0.0 139.8

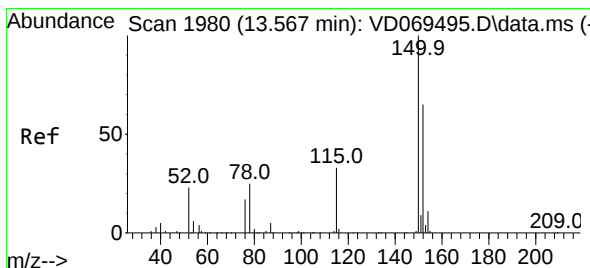
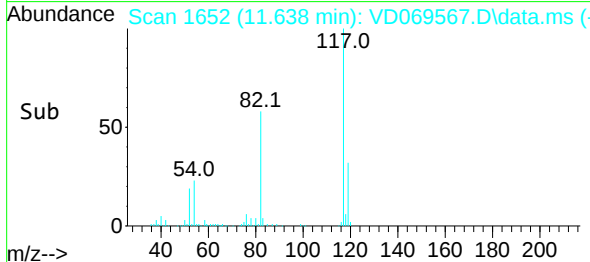
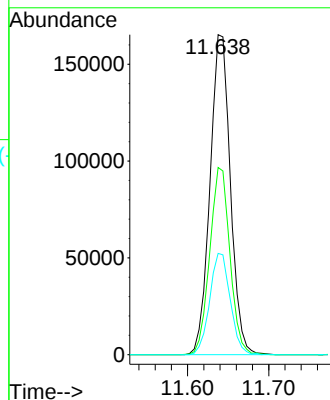
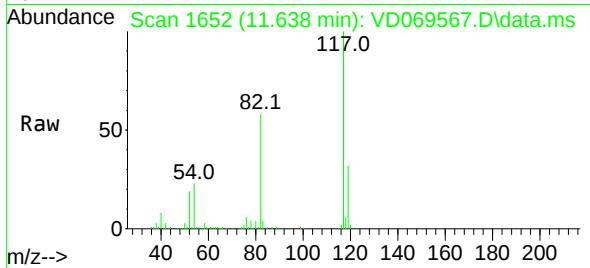




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069567.D
Acq: 25 Jun 2021 15:50

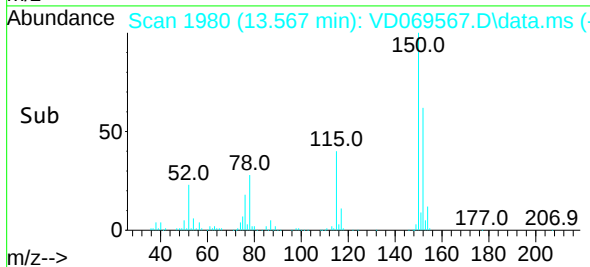
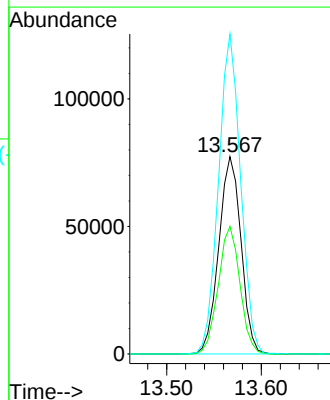
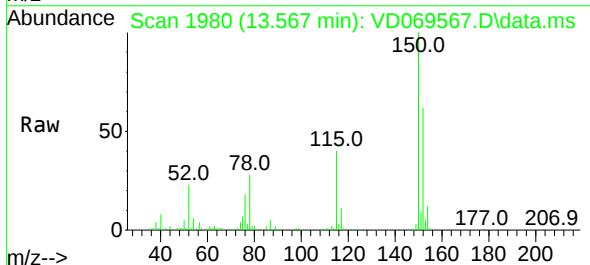
Instrument :
MSVOA_D
ClientSampleId :
SB-07-9.5-10.0

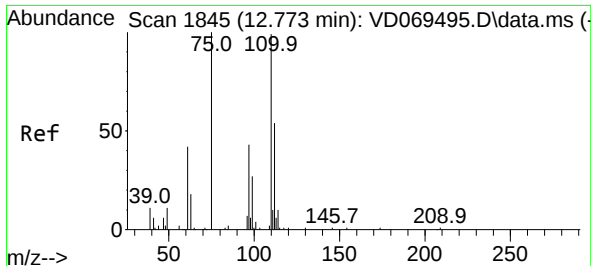
Tgt Ion:117 Resp: 287870
Ion Ratio Lower Upper
117 100
82 58.5 46.8 70.2
119 31.7 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069567.D
Acq: 25 Jun 2021 15:50

Tgt Ion:152 Resp: 126397
Ion Ratio Lower Upper
152 100
115 63.0 31.7 95.1
150 160.8 0.0 350.8

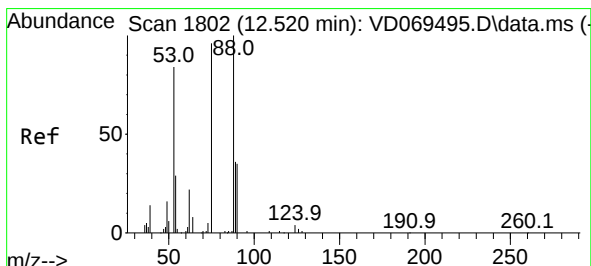
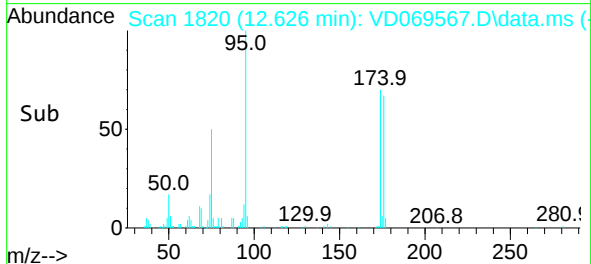
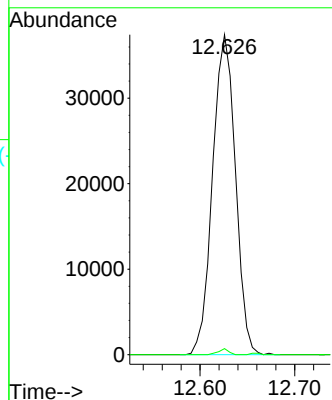
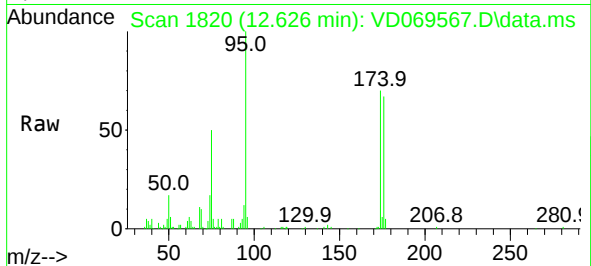




#76
1,2,3-Trichloropropane
Concen: 50.604 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069567.D
Acq: 25 Jun 2021 15:50

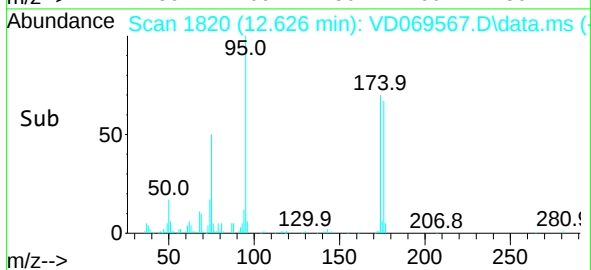
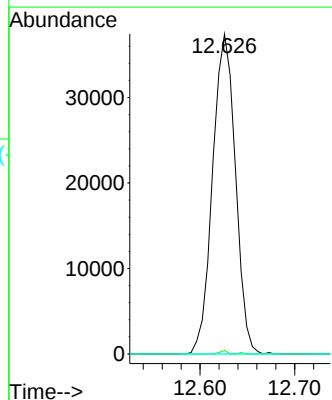
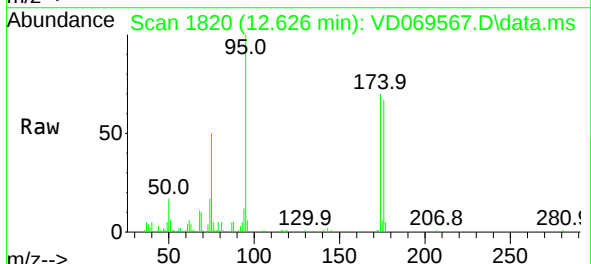
Instrument :
MSVOA_D
ClientSampleId :
SB-07-9.5-10.0

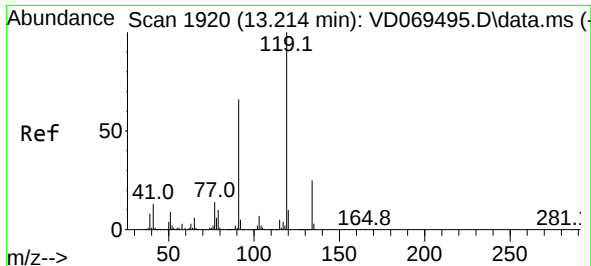
Tgt Ion: 75 Resp: 62787
Ion Ratio Lower Upper
75 100
77 0.9 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.352 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069567.D
Acq: 25 Jun 2021 15:50

Tgt Ion: 75 Resp: 62787
Ion Ratio Lower Upper
75 100
53 0.3 74.6 112.0#
89 0.0 35.3 52.9#

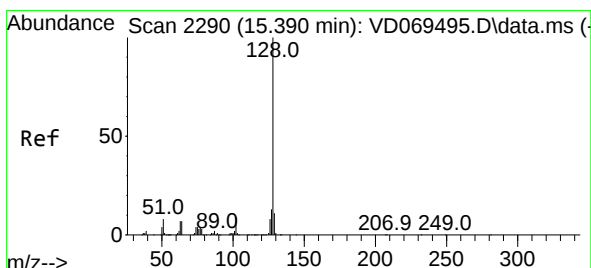
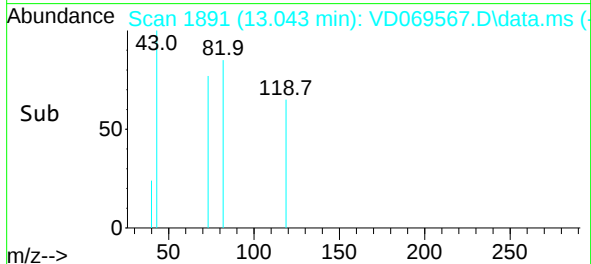
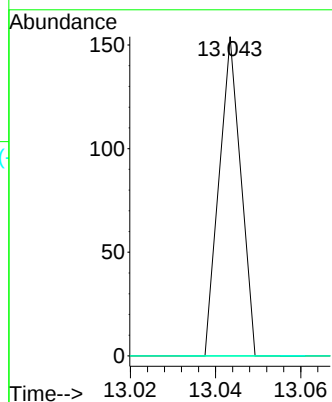
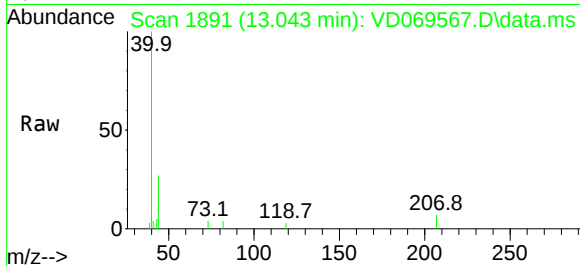




#83
tert-Butylbenzene
Concen: 2.000 ug/l
RT: 13.043 min Scan# 1891
Delta R.T. -0.171 min
Lab File: VD069567.D
Acq: 25 Jun 2021 15:50

Instrument :
MSVOA_D
ClientSampleId :
SB-07-9.5-10.0

Tgt Ion:119	Resp:	54
Ion Ratio	Lower	Upper
119	100	
91	0.0	32.5 97.4#
134	0.0	12.9 38.7#



#95
Naphthalene
Concen: 3.430 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069567.D
Acq: 25 Jun 2021 15:50

Tgt Ion:128	Resp:	319
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.6 16.0#
129	0.0	8.7 13.1#

