

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051321\
 Data File : VD069165.D
 Acq On : 13 May 2021 18:57
 Operator : VA/SY
 Sample : M2392-22
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-08-3.5-4.0

Quant Time: May 14 01:24:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

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

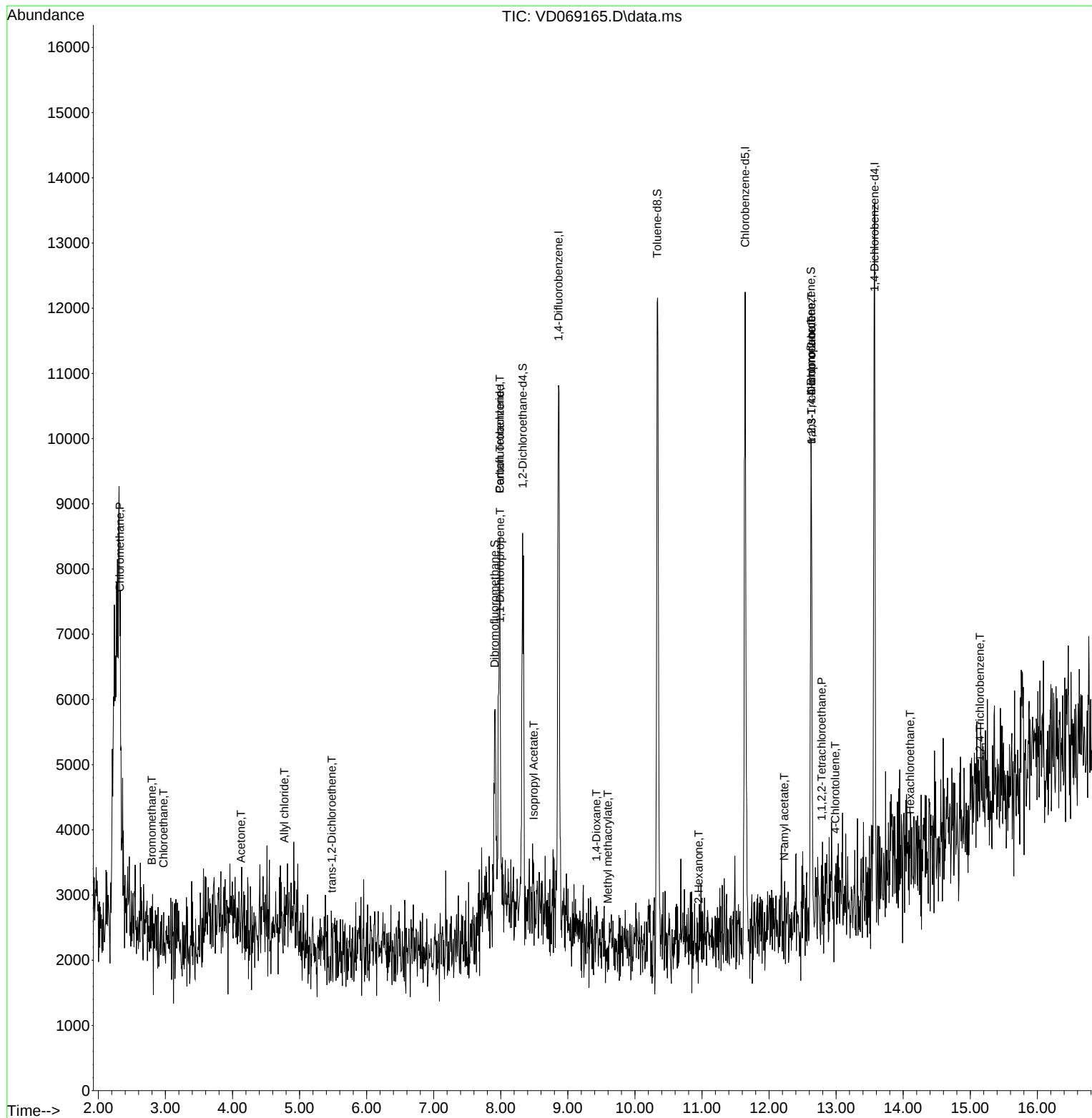
Internal Standards						
1) Pentafluorobenzene	7.985	168	4455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	8058	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	5972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	2793	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	4047	90.62	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 181.24%#			
35) Dibromofluoromethane	7.908	113	2774	52.90	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.80%			
50) Toluene-d8	10.332	98	7957	41.30	ug/l	-0.01
Spiked Amount 50.000	Range 49 - 140		Recovery = 82.60%			
62) 4-Bromofluorobenzene	12.626	95	2683	43.27	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 86.54%			
Target Compounds						Qvalue
3) Chloromethane	2.320	50	88	1.62	ug/l #	42
5) Bromomethane	2.797	94	69	1.28	ug/l #	3
6) Chloroethane	2.973	64	56	1.21	ug/l #	43
14) Allyl chloride	4.773	41	55	1.12	ug/l #	46
16) Acetone	4.126	43	59	8.63	ug/l #	41
20) Methylene Chloride	4.967	84	201	Below Cal	#	56
21) trans-1,2-Dichloroethene	5.479	96	74	1.40	ug/l #	1
36) 1,1-Dichloropropene	7.991	75	295	3.77	ug/l #	40
38) Carbon Tetrachloride	7.985	117	499	5.70	ug/l #	12
43) Isopropyl Acetate	8.491	43	62	1.36	ug/l #	46
48) Methyl methacrylate	9.596	41	68	3.22	ug/l #	4
49) 1,4-Dioxane	9.426	88	58	174.28	ug/l #	29
59) 2-Hexanone	10.949	43	62	3.95	ug/l #	19
74) N-amyl acetate	12.226	43	65	2.04	ug/l #	24
75) 1,1,2,2-Tetrachloroethane	12.785	83	54	1.53	ug/l #	26
76) 1,2,3-Trichloropropane	12.632	75	1564	74.49	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	1564	150.47	ug/l #	14
82) 4-Chlorotoluene	12.985	91	141	1.01	ug/l #	39
90) Hexachloroethane	14.102	117	78	2.35	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.143	180	72	1.46	ug/l #	12

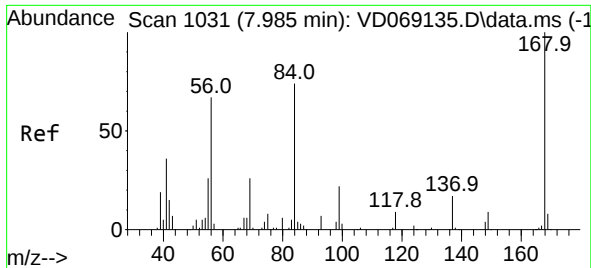
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-08-3.5-4.0

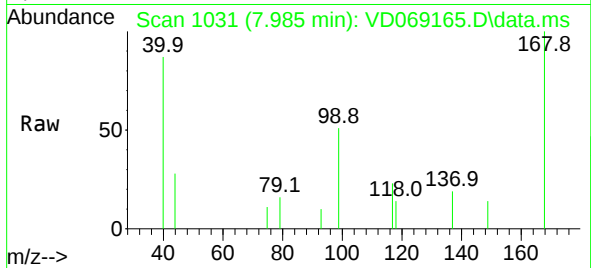
Quant Time: May 14 01:24:07 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
Quant Title : SW846 8260
QLast Update : Thu May 13 04:01:29 2021
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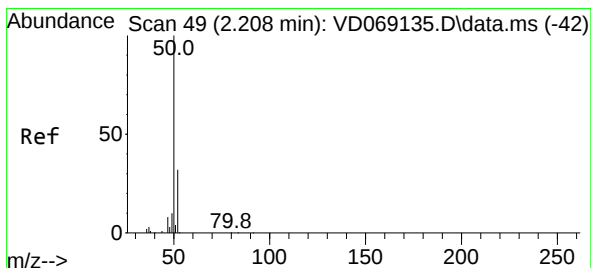
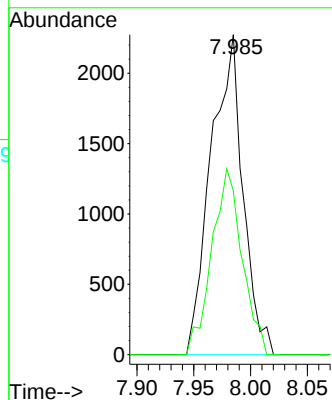
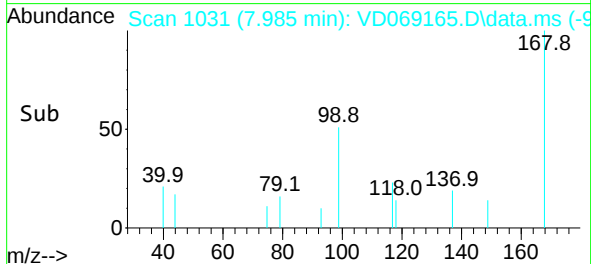


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069165.D
Acq: 13 May 2021 18:57

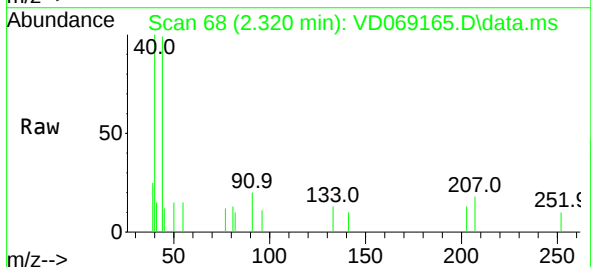
Instrument :
MSVOA_D
ClientSampleId :
SB-08-3.5-4.0



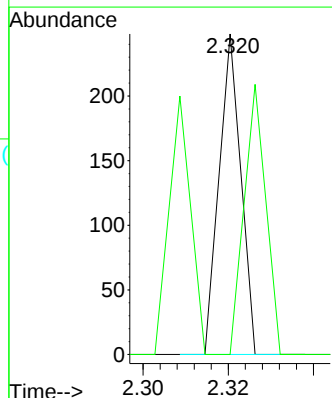
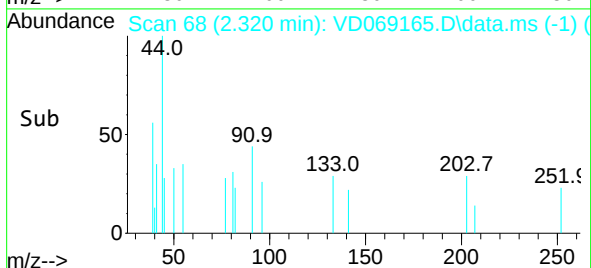
Tgt Ion:168 Resp: 4455
Ion Ratio Lower Upper
168 100
99 51.2 47.2 70.8

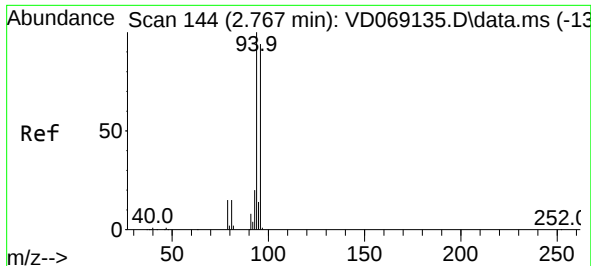


#3
Chloromethane
Concen: 1.62 ug/l
RT: 2.320 min Scan# 68
Delta R.T. 0.112 min
Lab File: VD069165.D
Acq: 13 May 2021 18:57



Tgt Ion: 50 Resp: 88
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

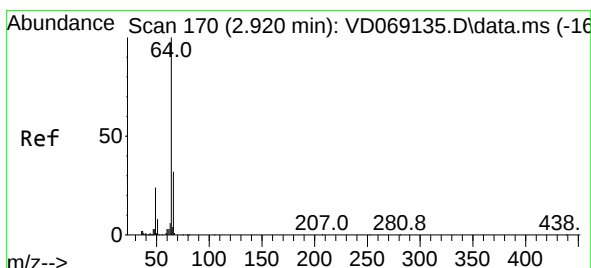
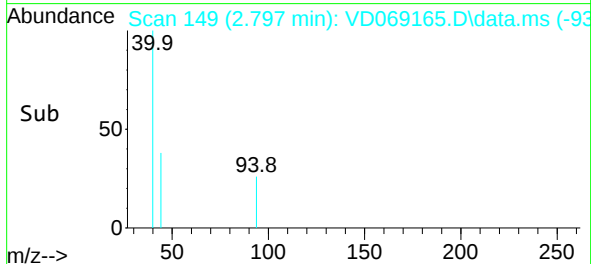
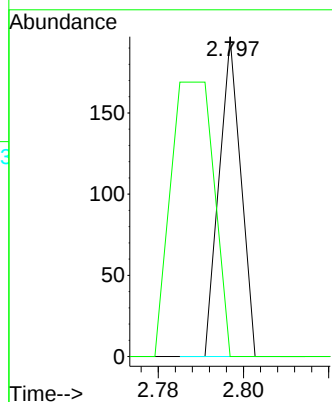
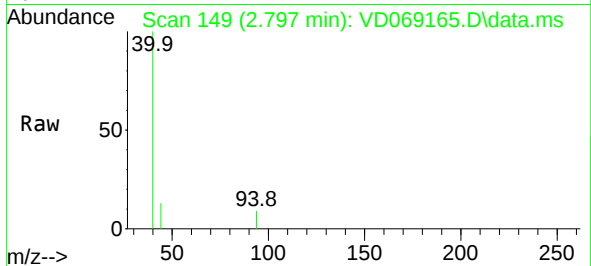




#5
Bromomethane
Concen: 1.28 ug/l
RT: 2.797 min Scan# 149
Delta R.T. 0.030 min
Lab File: VD069165.D
Acq: 13 May 2021 18:57

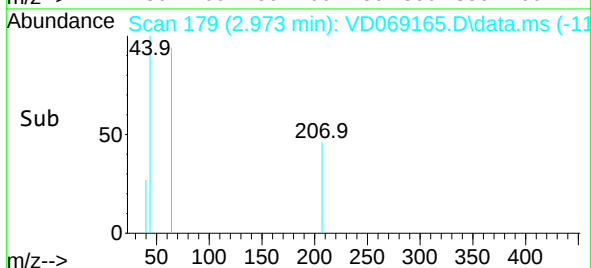
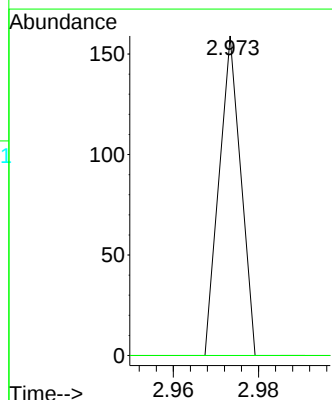
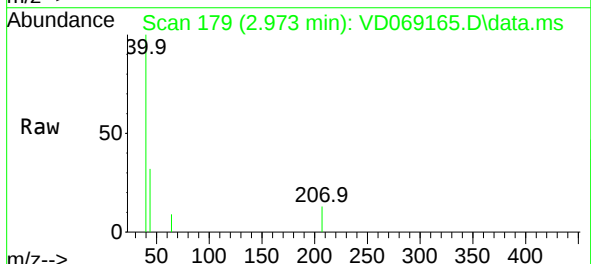
Instrument :
MSVOA_D
ClientSampleId :
SB-08-3.5-4.0

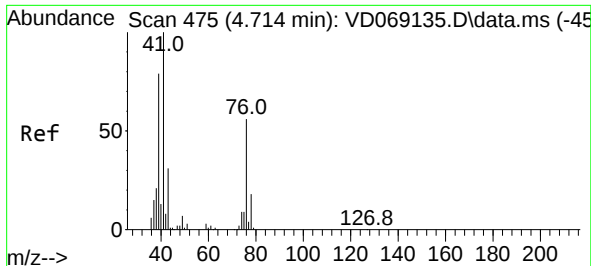
Tgt Ion: 94 Resp: 69
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.0#



#6
Chloroethane
Concen: 1.21 ug/l
RT: 2.973 min Scan# 179
Delta R.T. 0.053 min
Lab File: VD069165.D
Acq: 13 May 2021 18:57

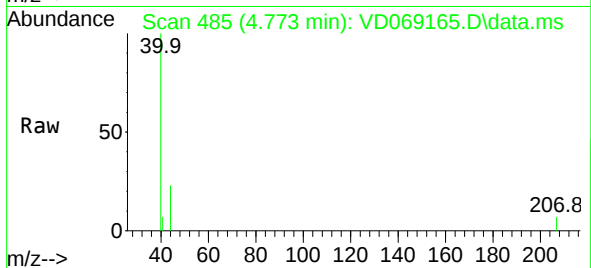
Tgt Ion: 64 Resp: 56
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



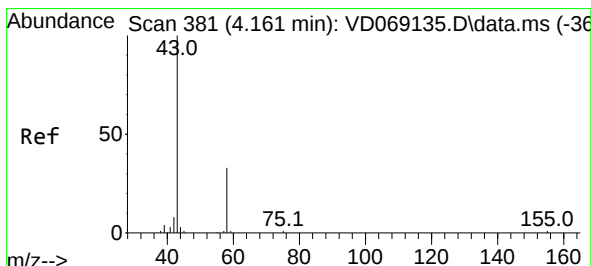
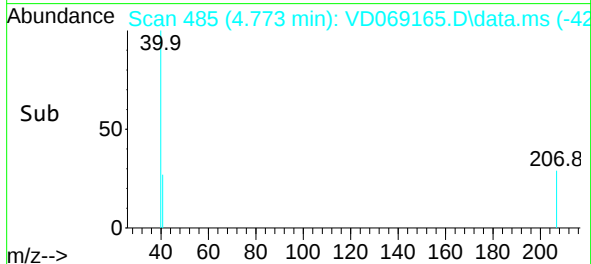
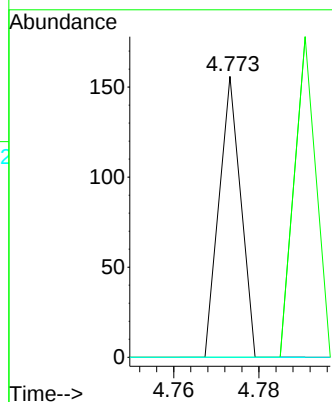


#14
 Allyl chloride
 Concen: 1.12 ug/l
 RT: 4.773 min Scan# 485
 Delta R.T. 0.059 min
 Lab File: VD069165.D
 Acq: 13 May 2021 18:57

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-08-3.5-4.0

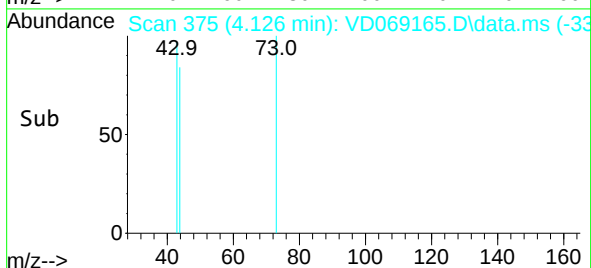
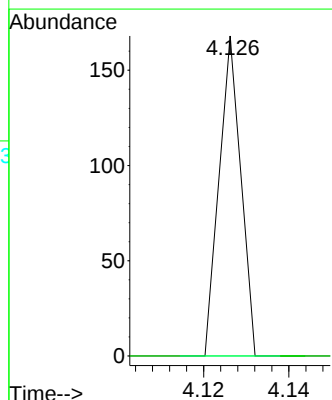
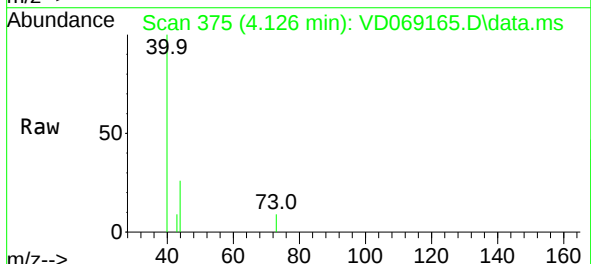


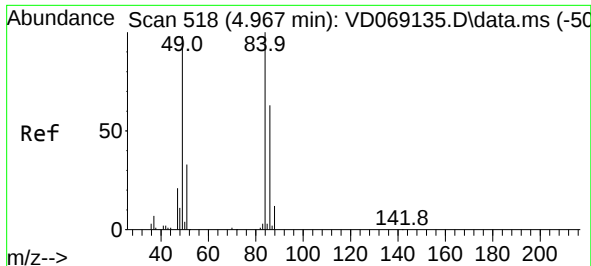
Tgt Ion: 41 Resp: 55
 Ion Ratio Lower Upper
 41 100
 39 114.5 64.3 96.5#
 76 0.0 43.6 65.4#



#16
 Acetone
 Concen: 8.63 ug/l
 RT: 4.126 min Scan# 375
 Delta R.T. -0.035 min
 Lab File: VD069165.D
 Acq: 13 May 2021 18:57

Tgt Ion: 43 Resp: 59
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.7 40.1#

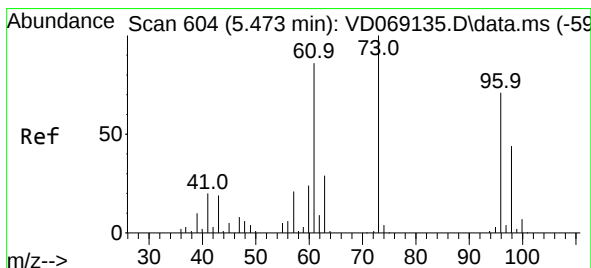
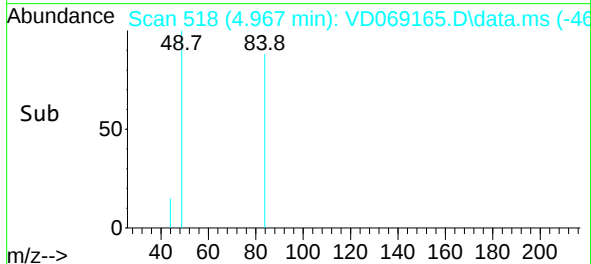
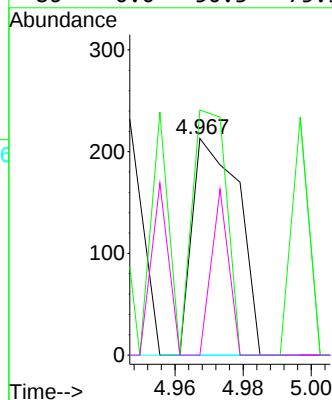
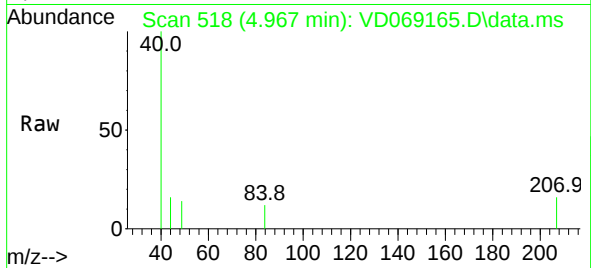




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD069165.D
Acq: 13 May 2021 18:57

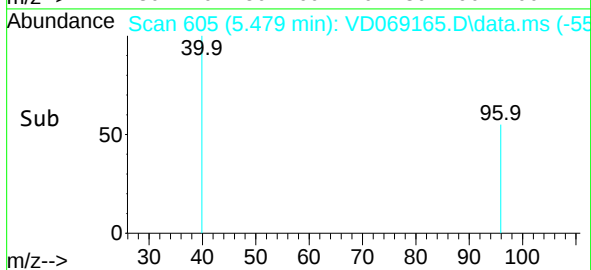
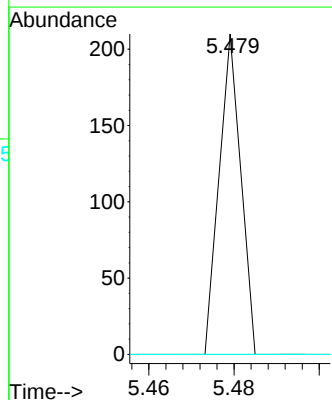
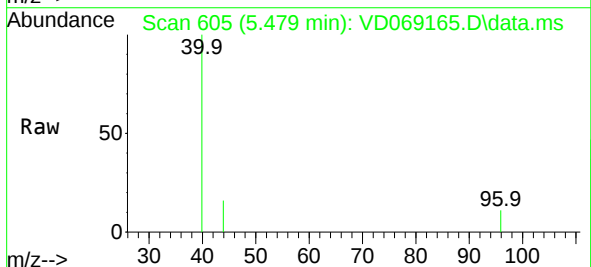
Instrument :
MSVOA_D
ClientSampleId :
SB-08-3.5-4.0

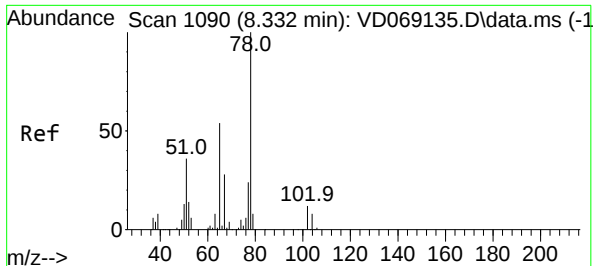
Tgt Ion:	84	Resp:	201
Ion	Ratio	Lower	Upper
84	100		
49	113.1	78.6	117.8
51	0.0	26.7	40.1#
86	0.0	50.3	75.5#



#21
trans-1,2-Dichloroethene
Concen: 1.40 ug/l
RT: 5.479 min Scan# 605
Delta R.T. 0.006 min
Lab File: VD069165.D
Acq: 13 May 2021 18:57

Tgt Ion:	96	Resp:	74
Ion	Ratio	Lower	Upper
96	100		
61	0.0	97.7	146.5#
98	0.0	49.4	74.2#

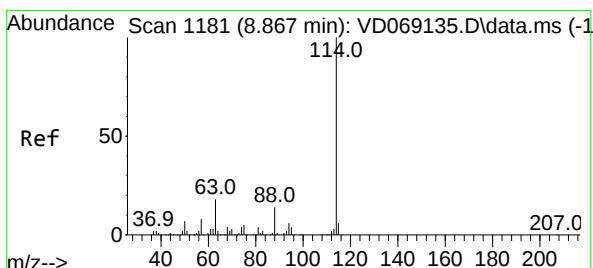
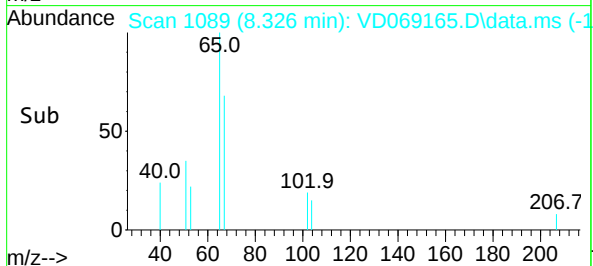
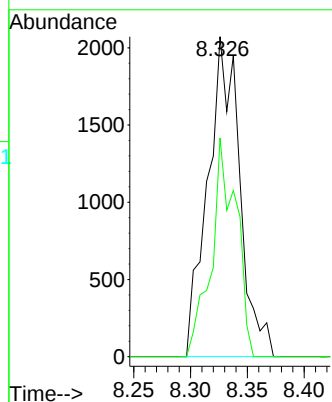
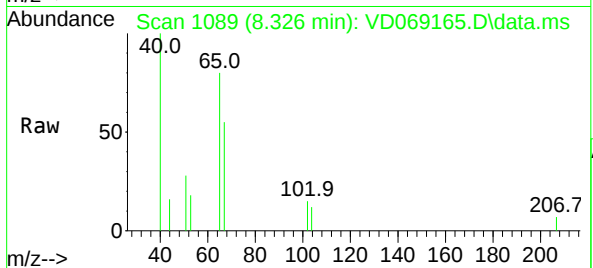




#33
1,2-Dichloroethane-d4
Concen: 90.62 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069165.D
Acq: 13 May 2021 18:57

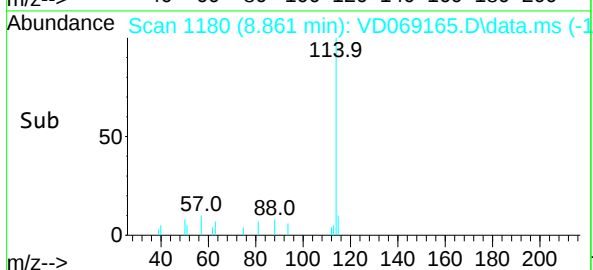
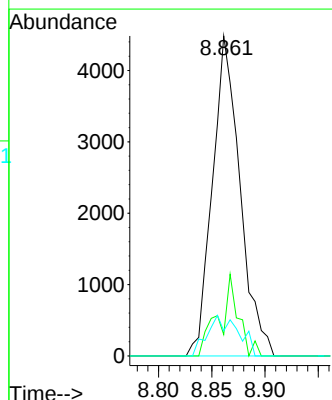
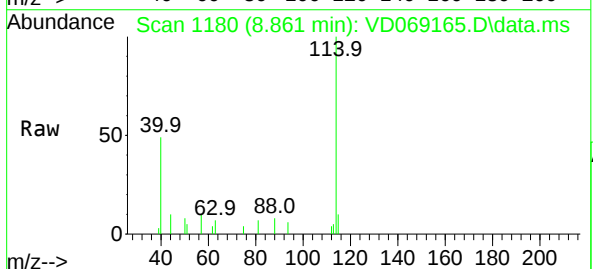
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SB-08-3.5-4.0

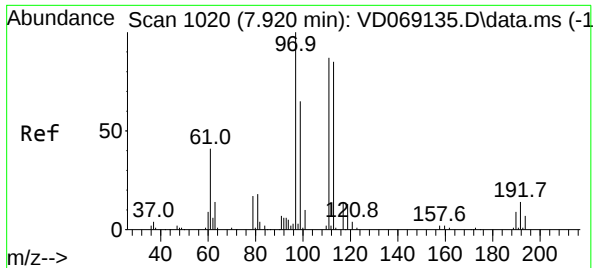
Tgt Ion: 65 Resp: 4047
Ion Ratio Lower Upper
65 100
67 53.4 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069165.D
Acq: 13 May 2021 18:57

Tgt Ion: 114 Resp: 8058
Ion Ratio Lower Upper
114 100
63 6.7 0.0 36.4
88 7.9 0.0 28.2





#35

Dibromofluoromethane

Concen: 52.90 ug/l

RT: 7.908 min Scan# 1018

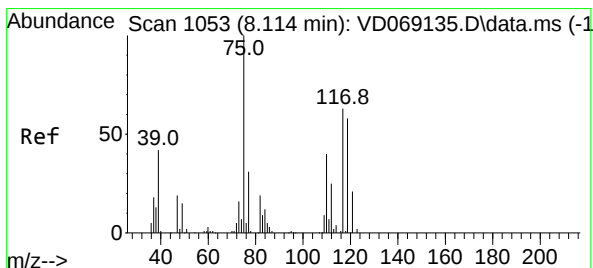
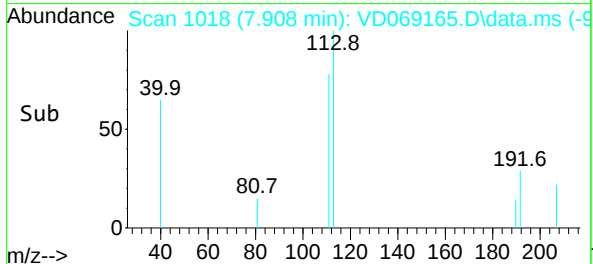
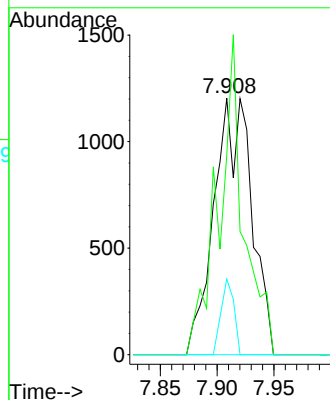
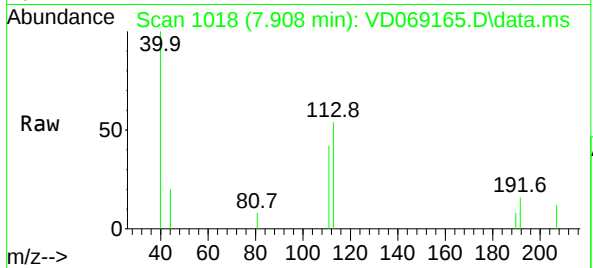
Delta R.T. -0.012 min

Lab File: VD069165.D

Acq: 13 May 2021 18:57

Tgt Ion:	113	Resp:	2774
Ion	Ratio	Lower	Upper
113	100		
111	83.2	80.6	120.8
192	10.1	14.8	22.2#

Instrument :
MSVOA_D
ClientSampleId :
SB-08-3.5-4.0



#36

1,1-Dichloropropene

Concen: 3.77 ug/l

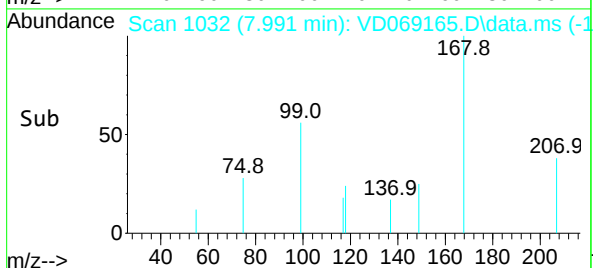
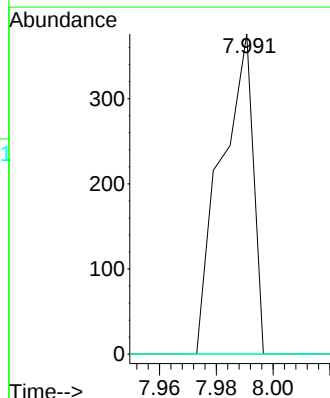
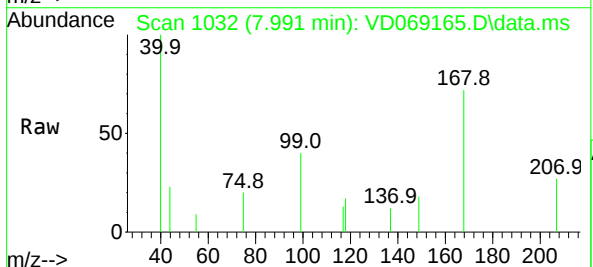
RT: 7.991 min Scan# 1032

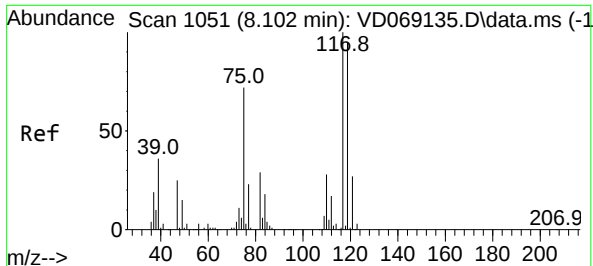
Delta R.T. -0.123 min

Lab File: VD069165.D

Acq: 13 May 2021 18:57

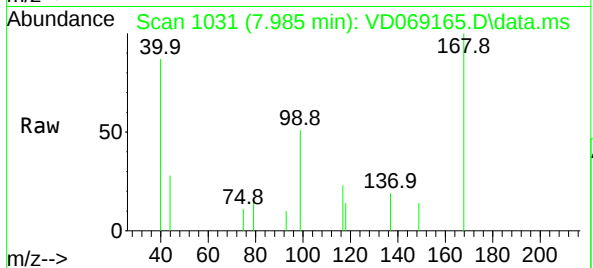
Tgt Ion:	75	Resp:	295
Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.8	56.4#
77	0.0	25.2	37.8#



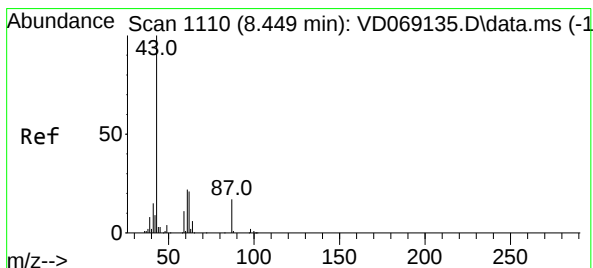
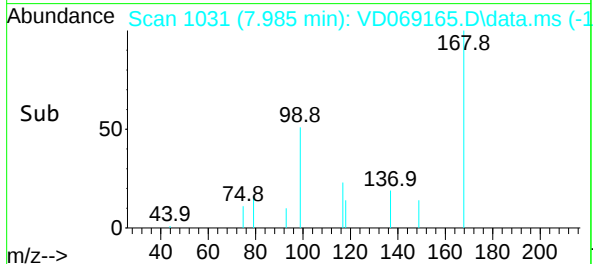
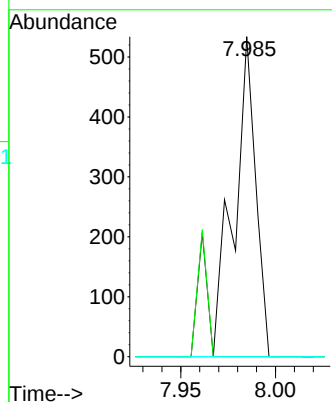


#38
Carbon Tetrachloride
Concen: 5.70 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.117 min
Lab File: VD069165.D
Acq: 13 May 2021 18:57

Instrument :
MSVOA_D
ClientSampleId :
SB-08-3.5-4.0

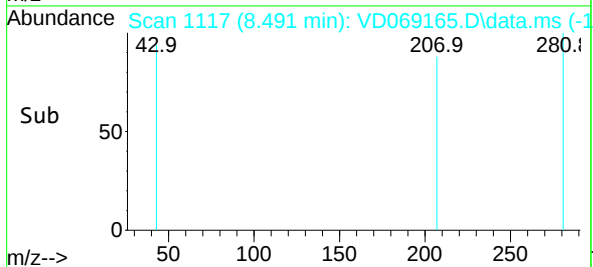
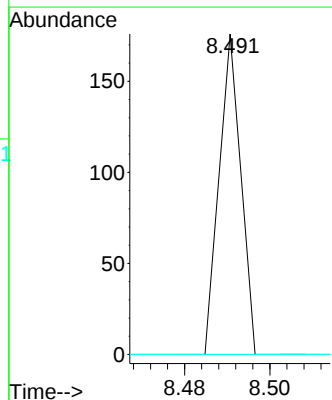
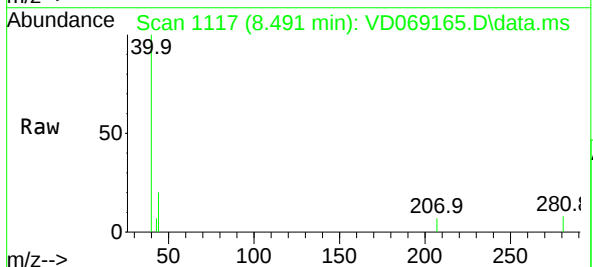


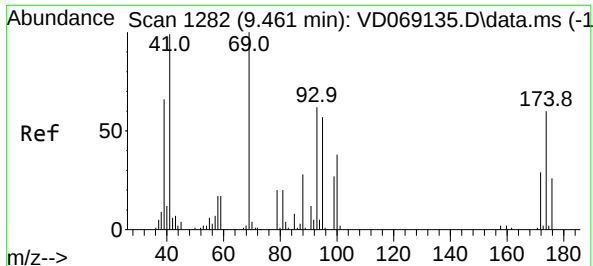
Tgt Ion:117 Resp: 499
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 21.9 32.9#



#43
Isopropyl Acetate
Concen: 1.36 ug/l
RT: 8.491 min Scan# 1117
Delta R.T. 0.041 min
Lab File: VD069165.D
Acq: 13 May 2021 18:57

Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
61 0.0 28.6 42.8#
87 0.0 13.8 20.8#





#48

Methyl methacrylate

Concen: 3.22 ug/l

RT: 9.596 min Scan# 1305

Delta R.T. 0.136 min

Lab File: VD069165.D

Acq: 13 May 2021 18:57

Tgt Ion: 41 Resp: 68

Ion Ratio Lower Upper

41 100

69 0.0 88.0 132.0#

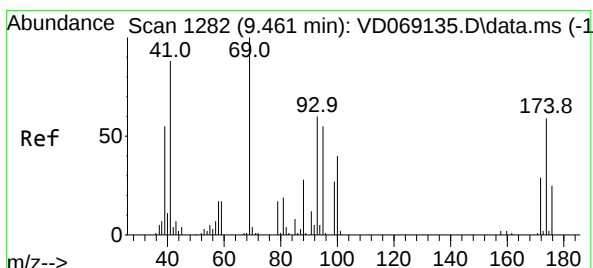
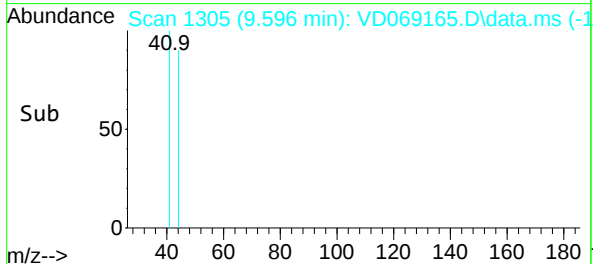
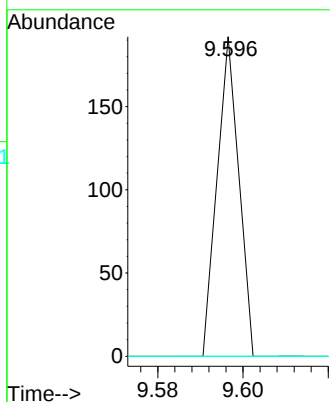
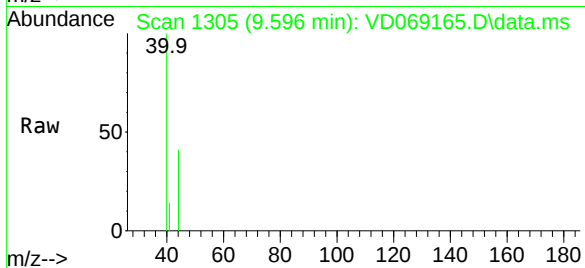
39 0.0 51.4 77.0#

Instrument :

MSVOA_D

ClientSampleId :

SB-08-3.5-4.0



#49

1,4-Dioxane

Concen: 174.28 ug/l

RT: 9.426 min Scan# 1276

Delta R.T. -0.035 min

Lab File: VD069165.D

Acq: 13 May 2021 18:57

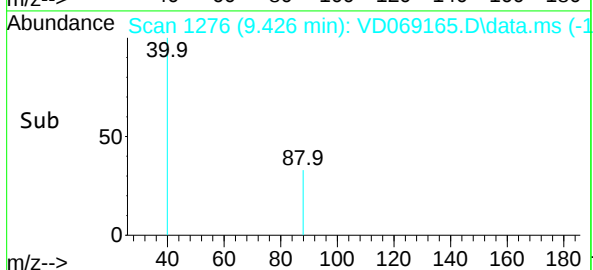
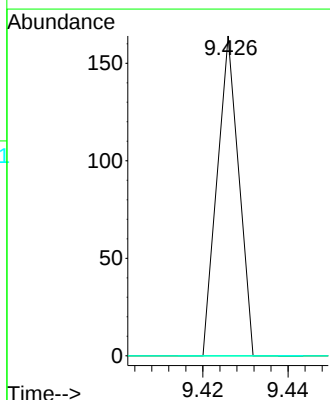
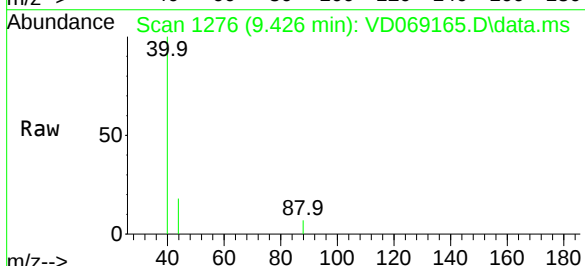
Tgt Ion: 88 Resp: 58

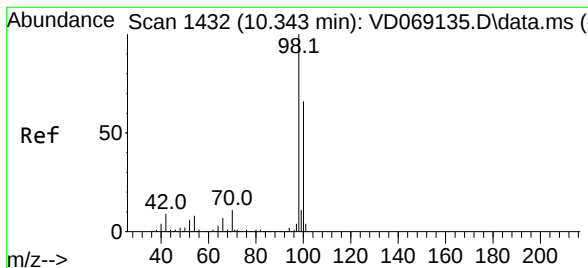
Ion Ratio Lower Upper

88 100

43 0.0 26.7 40.1#

58 0.0 45.8 68.6#

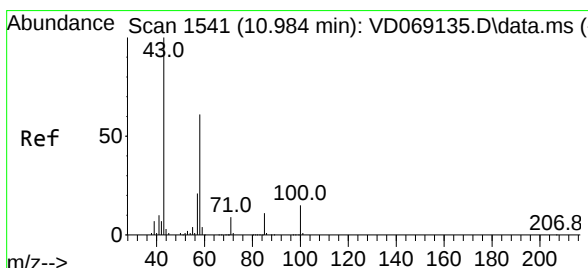
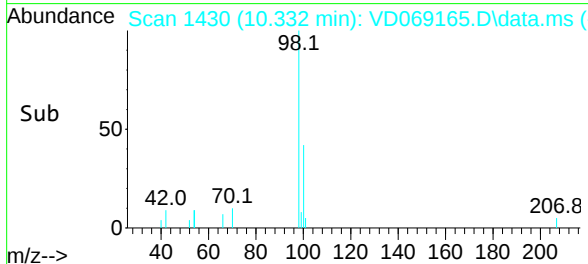
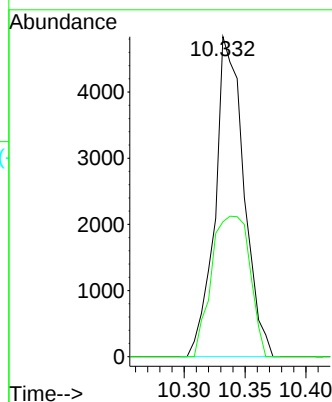
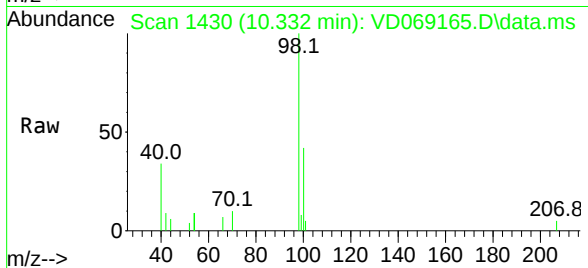




#50
Toluene-d8
Concen: 41.30 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.012 min
Lab File: VD069165.D
Acq: 13 May 2021 18:57

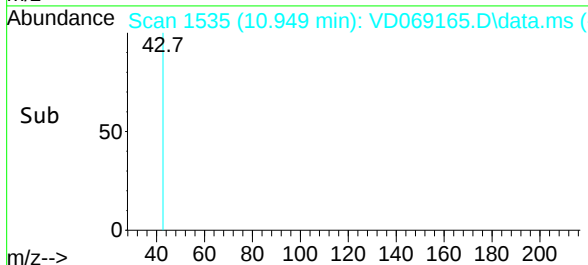
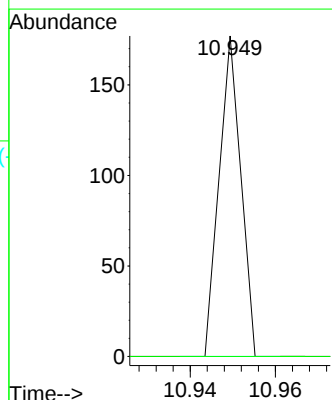
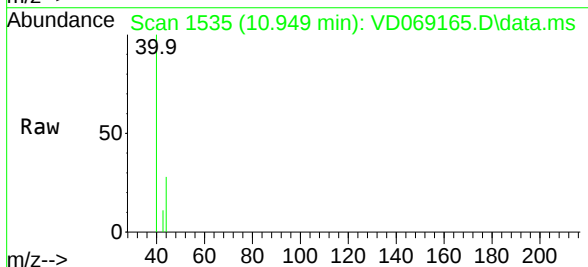
Instrument :
MSVOA_D
ClientSampleId :
SB-08-3.5-4.0

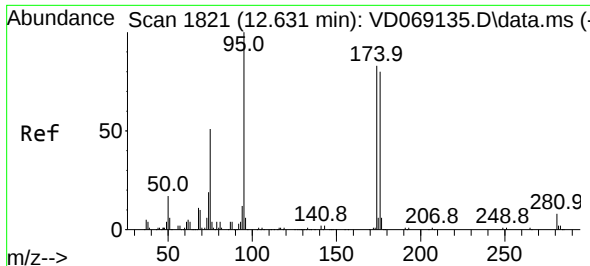
Tgt Ion: 98 Resp: 7957
Ion Ratio Lower Upper
98 100
100 58.4 51.8 77.8



#59
2-Hexanone
Concen: 3.95 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.035 min
Lab File: VD069165.D
Acq: 13 May 2021 18:57

Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
58 0.0 31.1 93.5#

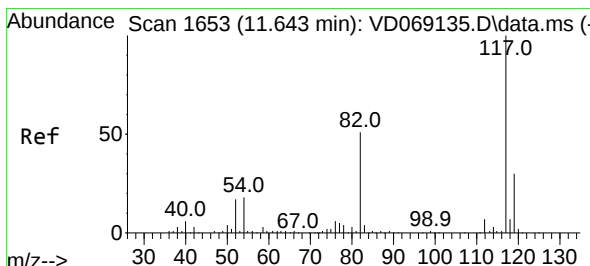
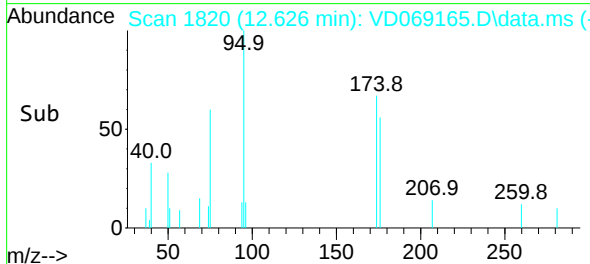
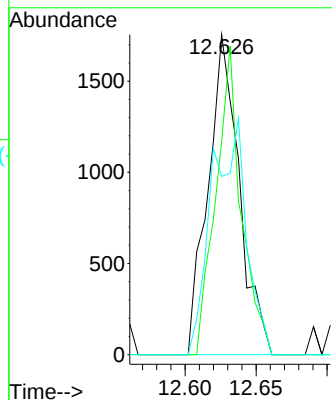
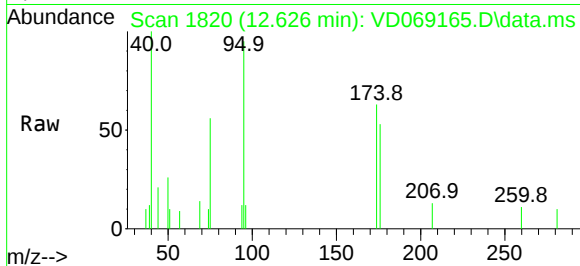




#62
4-Bromofluorobenzene
Concen: 43.27 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD069165.D
Acq: 13 May 2021 18:57

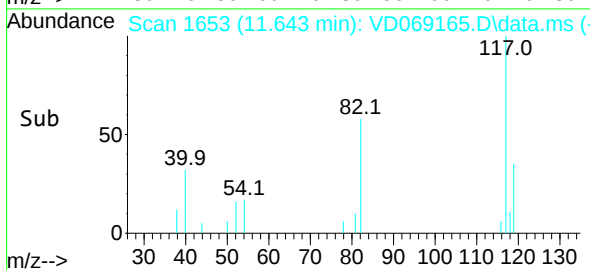
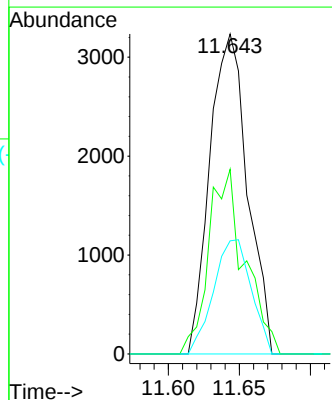
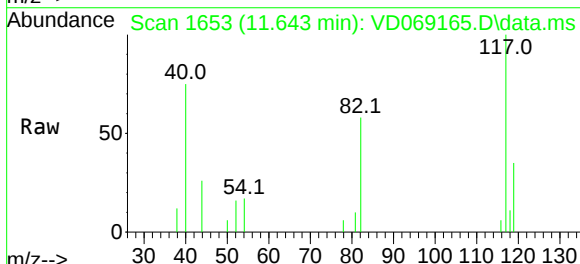
Instrument :
MSVOA_D
ClientSampleId :
SB-08-3.5-4.0

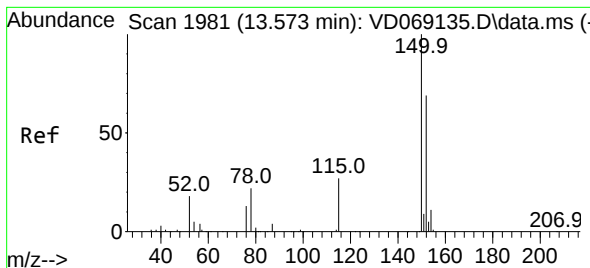
Tgt Ion:	95	Resp:	2683
Ion	Ratio	Lower	Upper
95	100		
174	78.2	0.0	171.8
176	82.0	0.0	165.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069165.D
Acq: 13 May 2021 18:57

Tgt Ion:	117	Resp:	5972
Ion	Ratio	Lower	Upper
117	100		
82	57.7	40.5	60.7
119	35.4	24.2	36.4

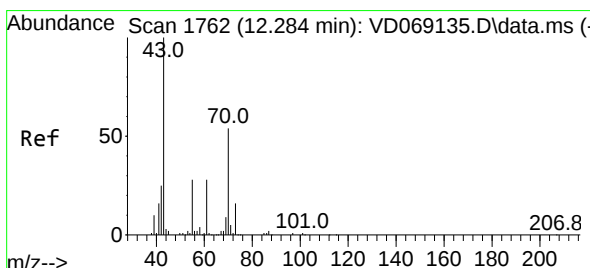
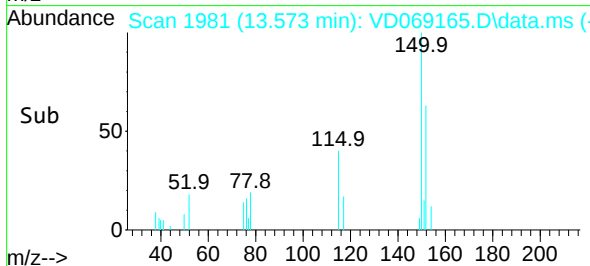
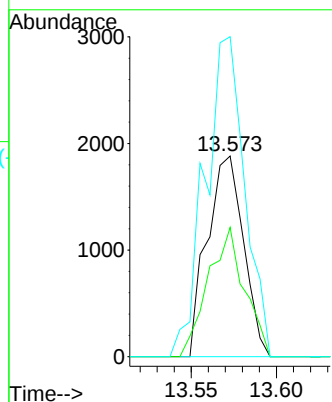
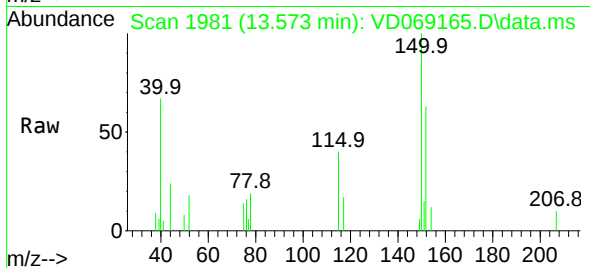




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD069165.D
Acq: 13 May 2021 18:57

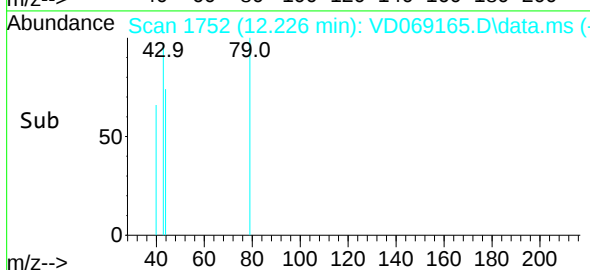
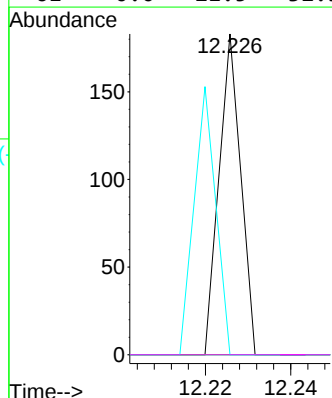
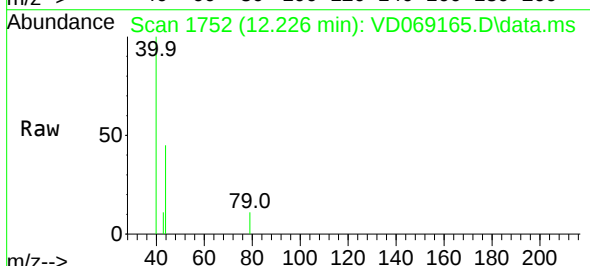
Instrument :
MSVOA_D
ClientSampleId :
SB-08-3.5-4.0

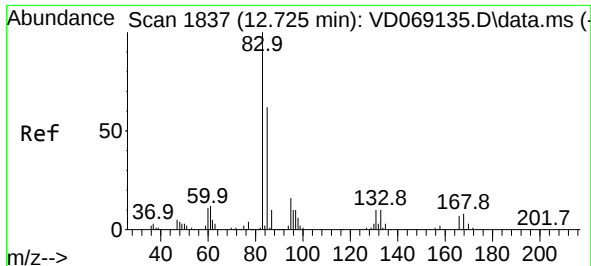
Tgt Ion:152 Resp: 2793
Ion Ratio Lower Upper
152 100
115 64.6 29.9 89.8
150 173.1 0.0 350.2



#74
N-ethyl acetate
Concen: 2.04 ug/l
RT: 12.226 min Scan# 1752
Delta R.T. -0.059 min
Lab File: VD069165.D
Acq: 13 May 2021 18:57

Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
70 0.0 41.6 62.4#
55 83.1 22.6 34.0#
61 0.0 21.5 32.3#

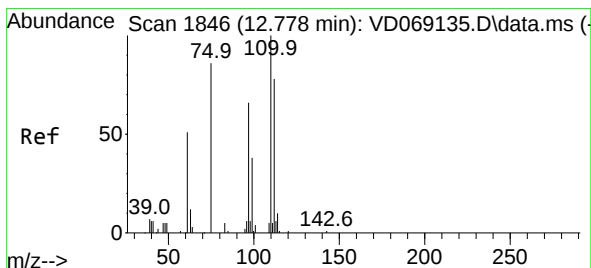
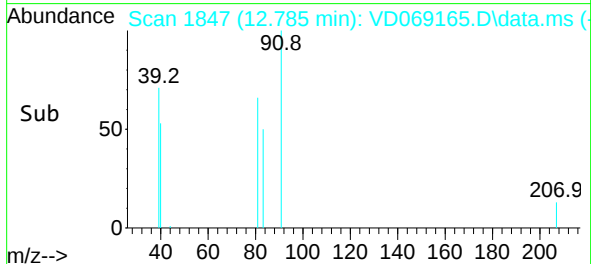
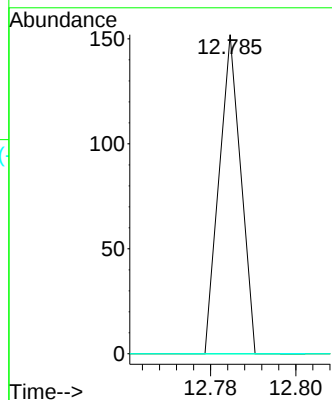
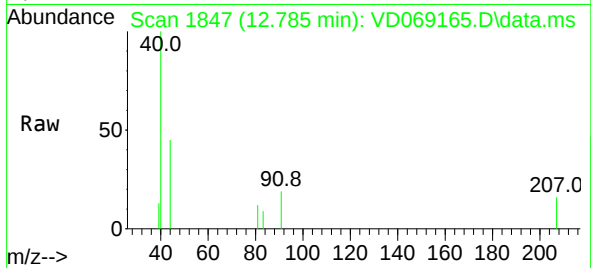




#75
1,1,2,2-Tetrachloroethane
Concen: 1.53 ug/l
RT: 12.785 min Scan# 1847
Delta R.T. 0.059 min
Lab File: VD069165.D
Acq: 13 May 2021 18:57

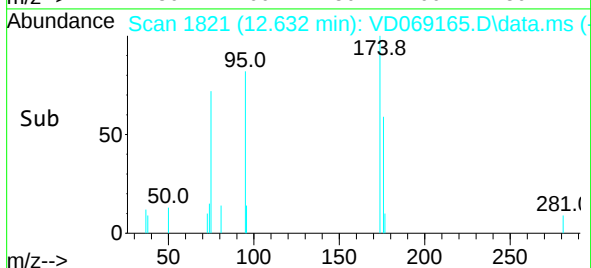
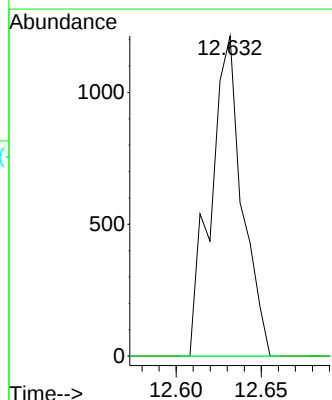
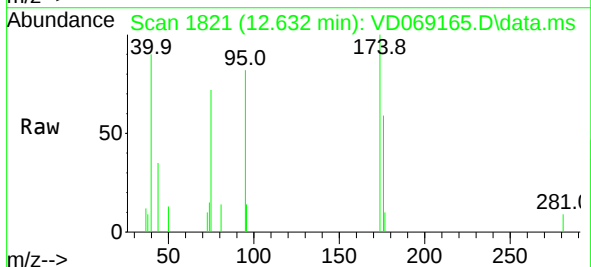
Instrument :
MSVOA_D
ClientSampleId :
SB-08-3.5-4.0

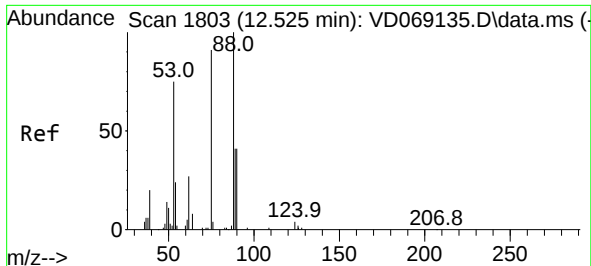
Tgt Ion: 83 Resp: 54
Ion Ratio Lower Upper
83 100
131 0.0 5.4 16.2#
85 0.0 31.9 95.5#



#76
1,2,3-Trichloropropane
Concen: 74.49 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD069165.D
Acq: 13 May 2021 18:57

Tgt Ion: 75 Resp: 1564
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

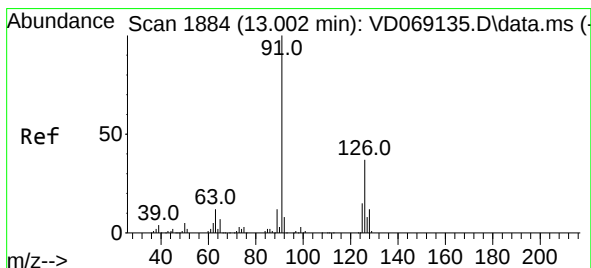
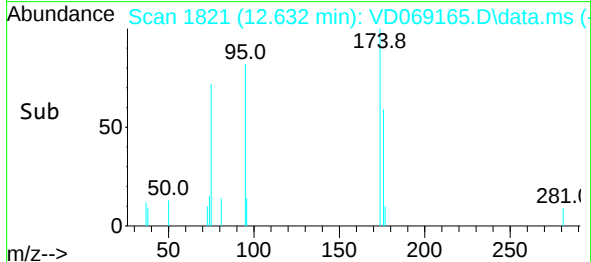
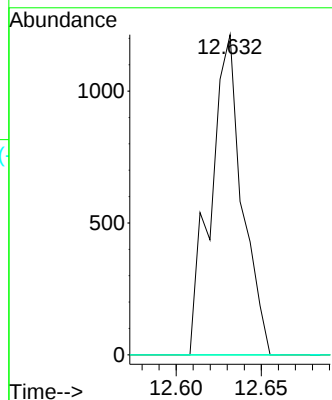
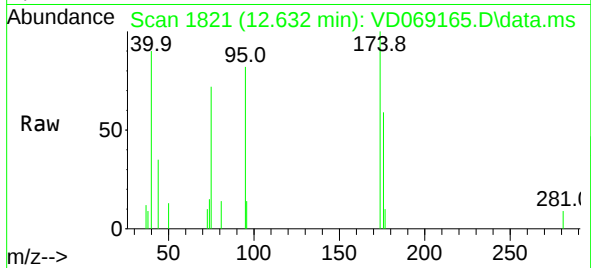




#81
trans-1,4-Dichloro-2-butene
Concen: 150.47 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD069165.D
Acq: 13 May 2021 18:57

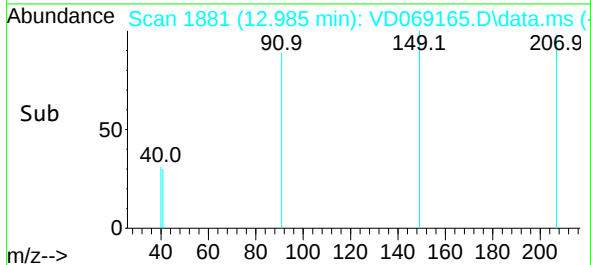
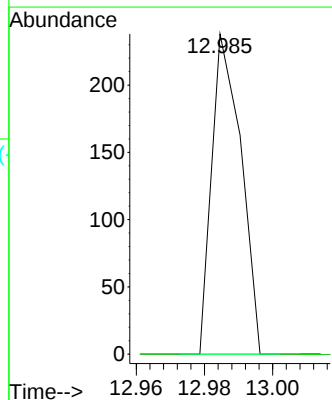
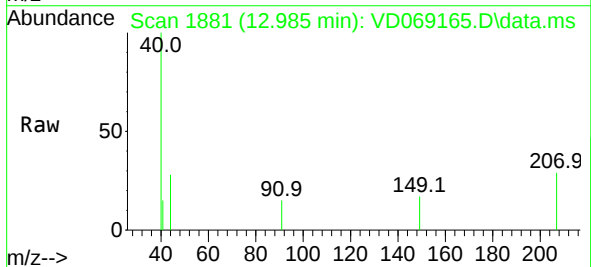
Instrument :
MSVOA_D
ClientSampleId :
SB-08-3.5-4.0

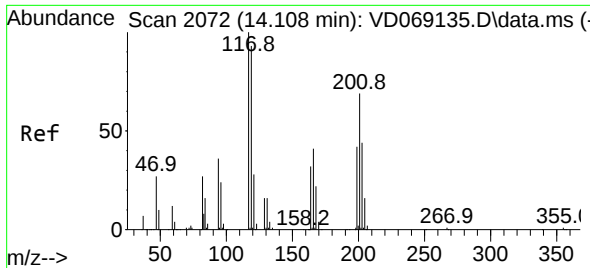
Tgt Ion: 75 Resp: 1564
Ion Ratio Lower Upper
75 100
53 0.0 70.0 105.0#
89 0.0 40.2 60.2#



#82
4-Chlorotoluene
Concen: 1.01 ug/l
RT: 12.985 min Scan# 1881
Delta R.T. -0.017 min
Lab File: VD069165.D
Acq: 13 May 2021 18:57

Tgt Ion: 91 Resp: 141
Ion Ratio Lower Upper
91 100
126 0.0 17.7 53.1#

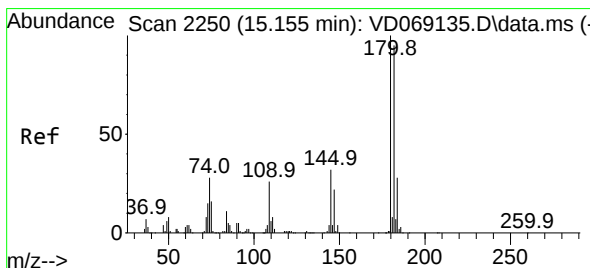
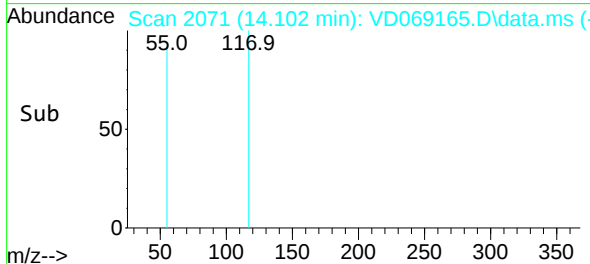
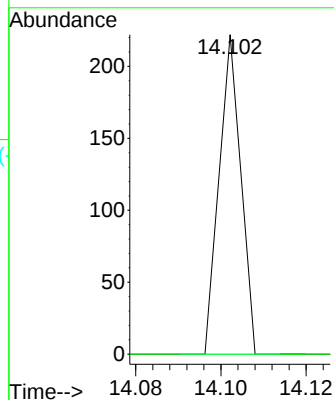
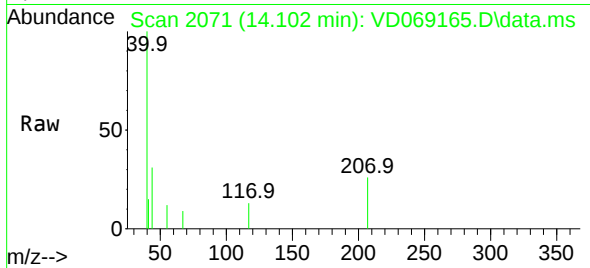




#90
Hexachloroethane
Concen: 2.35 ug/l
RT: 14.102 min Scan# 2071
Delta R.T. -0.006 min
Lab File: VD069165.D
Acq: 13 May 2021 18:57

Instrument :
MSVOA_D
ClientSampleId :
SB-08-3.5-4.0

Tgt Ion:117 Resp: 78
Ion Ratio Lower Upper
117 100
201 0.0 35.4 106.1#



#93
1,2,4-Trichlorobenzene
Concen: 1.46 ug/l
RT: 15.143 min Scan# 2248
Delta R.T. -0.012 min
Lab File: VD069165.D
Acq: 13 May 2021 18:57

Tgt Ion:180 Resp: 72
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 0.0 15.6 46.8#

