

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061621\
 Data File : VD069464.D
 Acq On : 16 Jun 2021 13:57
 Operator : VA/SY
 Sample : M2709-05
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 17 02:48:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 12:50:13 2021
 Response via : Initial Calibration

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

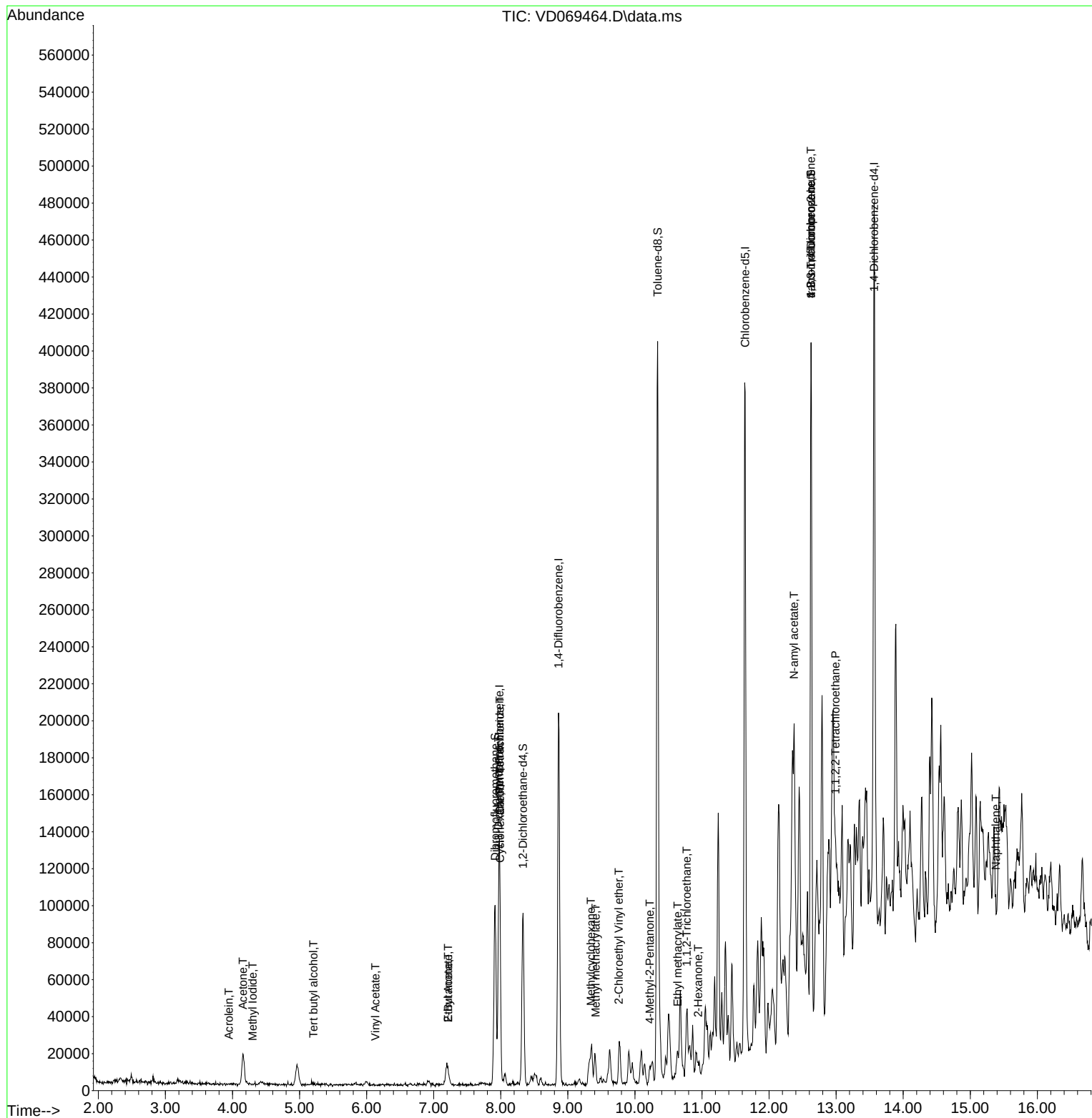
Internal Standards						
1) Pentafluorobenzene	7.979	168	99512	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	178194	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	223297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	110489	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	75450	67.207	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.420%	
35) Dibromofluoromethane	7.914	113	71312	53.430	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.860%	
50) Toluene-d8	10.338	98	251437	51.508	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.020%	
62) 4-Bromofluorobenzene	12.626	95	111847	71.408	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 142.820%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	163	Below Cal	#	5
10) Methyl Iodide	4.303	142	54	3.377	ug/l #	24
11) Tert butyl alcohol	5.209	59	533	9.132	ug/l #	73
13) Acrolein	3.944	56	77	1.058	ug/l #	16
16) Acetone	4.156	43	27948	150.400	ug/l	95
18) Methyl Acetate	4.744	43	69	Below Cal	#	46
23) Vinyl Acetate	6.132	43	113	17.643	ug/l #	67
25) 2-Butanone	7.214	43	8313	35.876	ug/l	99
31) Cyclohexane	7.991	56	2674	1.753	ug/l #	51
36) 1,1-Dichloropropene	7.967	75	7971	4.296	ug/l #	44
37) Ethyl Acetate	7.214	43	8313	13.391	ug/l #	70
38) Carbon Tetrachloride	7.985	117	10584	5.266	ug/l #	14
39) Methylcyclohexane	9.344	83	3787	2.029	ug/l #	83
48) Methyl methacrylate	9.414	41	3153	5.907	ug/l #	35
51) 4-Methyl-2-Pentanone	10.220	43	615	1.027	ug/l #	50
55) 1,1,2-Trichloroethane	10.773	97	12505	11.976	ug/l #	21
56) Ethyl methacrylate	10.638	69	4619	6.479	ug/l #	74
58) 2-Chloroethyl Vinyl ether	9.761	63	65	12.043	ug/l #	44
59) 2-Hexanone	10.944	43	2557	6.396	ug/l #	20
74) N-amyl acetate	12.373	43	38183	27.400	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.991	83	10253	6.875	ug/l	84
76) 1,2,3-Trichloropropane	12.626	75	51563	46.031	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	51563	122.800	ug/l #	22
95) Naphthalene	15.385	128	642	3.727	ug/l #	44

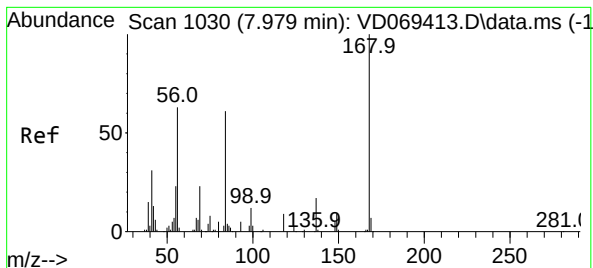
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jun 11 12:50:13 2021
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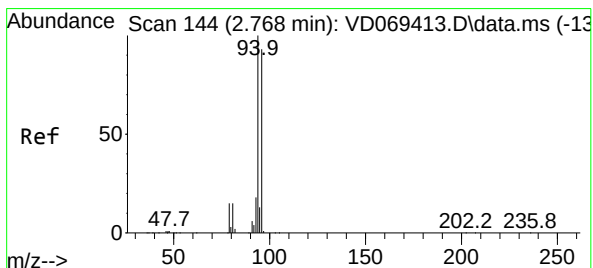
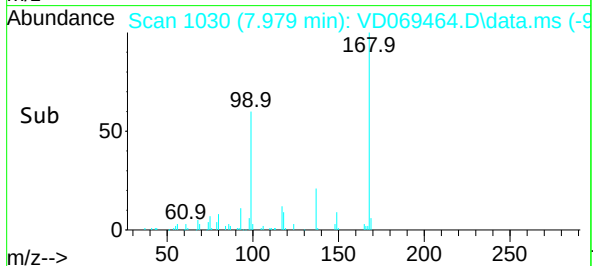
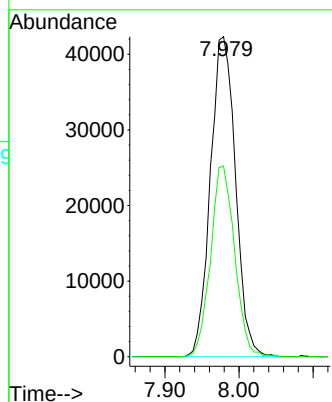
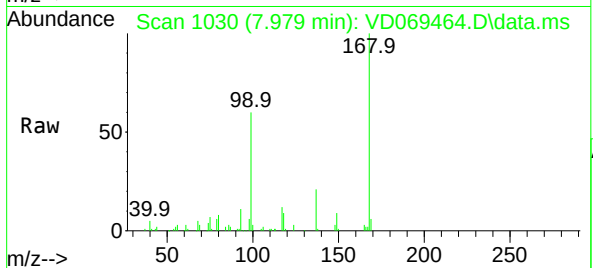


#1

Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

Instrument :
MSVOA_D
ClientSampled :

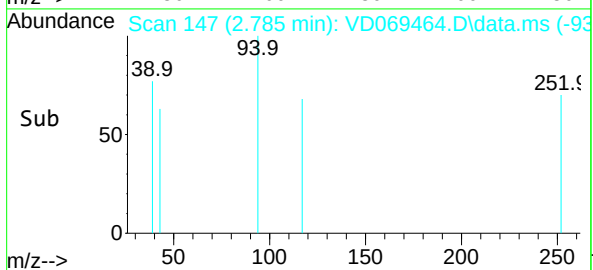
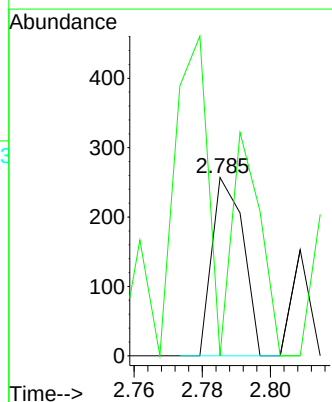
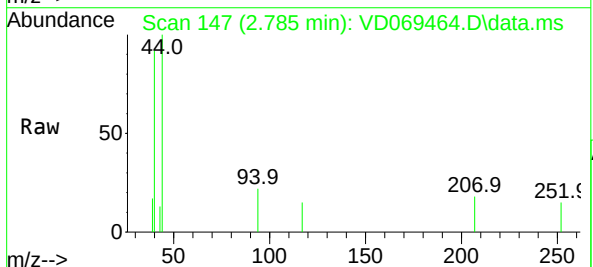
Tgt Ion:168 Resp: 99512
Ion Ratio Lower Upper
168 100
99 59.6 46.2 69.2

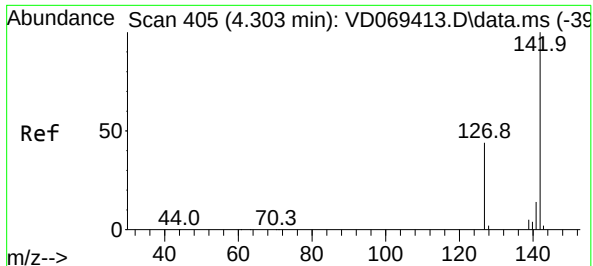


#5

Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

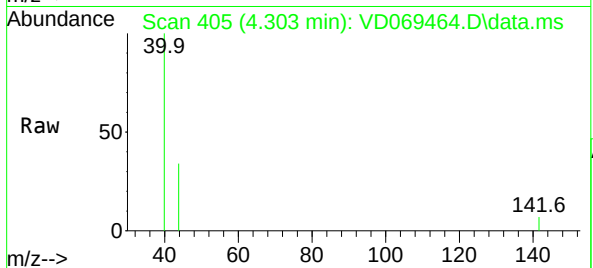
Tgt Ion: 94 Resp: 163
Ion Ratio Lower Upper
94 100
96 0.0 70.3 105.5#



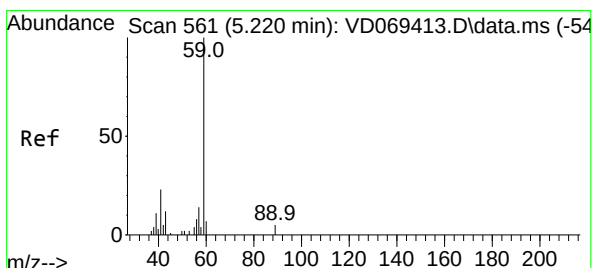
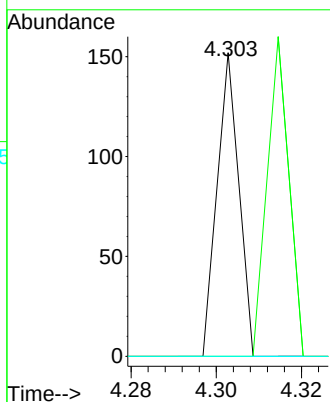
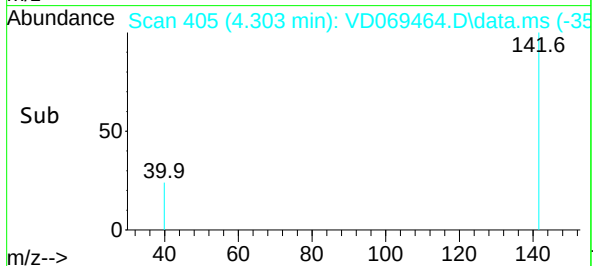


#10
Methyl Iodide
Concen: 3.377 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

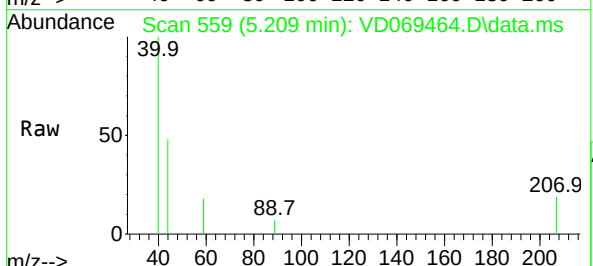
Instrument :
MSVOA_D
ClientSampled :



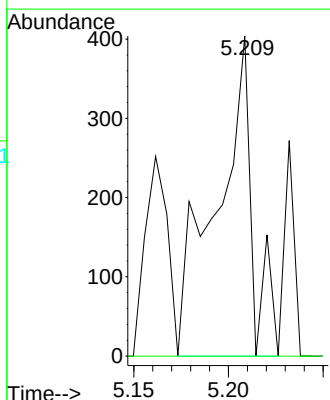
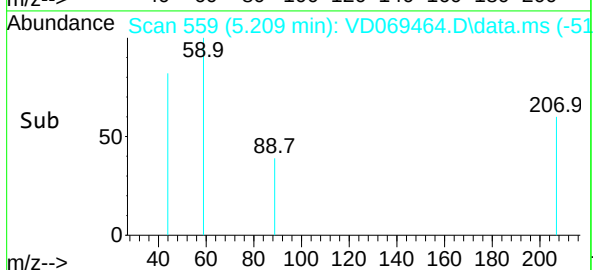
Tgt Ion:142 Resp: 54
Ion Ratio Lower Upper
142 100
127 103.7 36.2 54.2#
141 0.0 12.2 18.2#

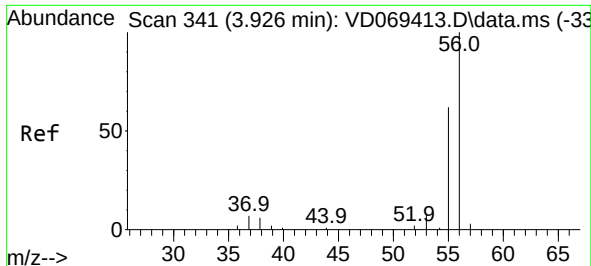


#11
Tert butyl alcohol
Concen: 9.132 ug/l
RT: 5.209 min Scan# 559
Delta R.T. -0.011 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57



Tgt Ion: 59 Resp: 533
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

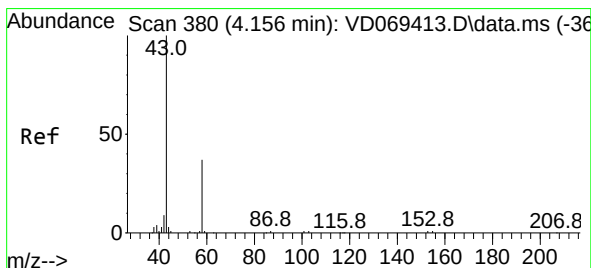
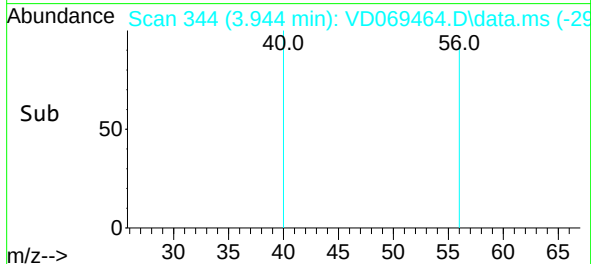
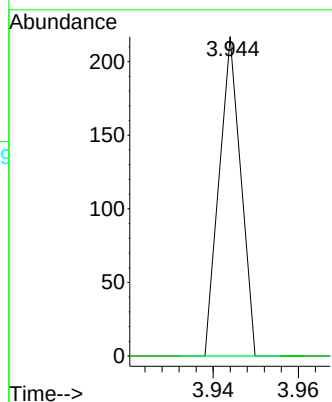
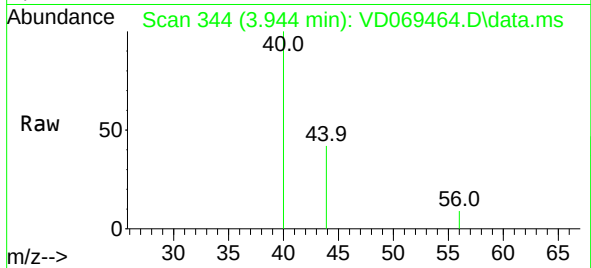




#13
Acrolein
Concen: 1.058 ug/l
RT: 3.944 min Scan# 344
Delta R.T. 0.018 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

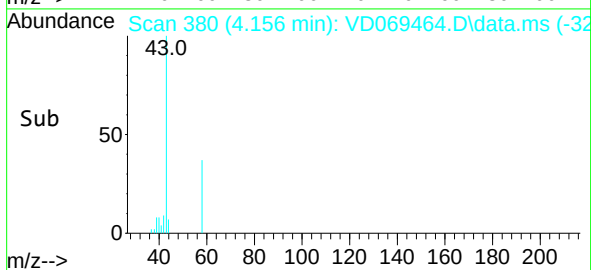
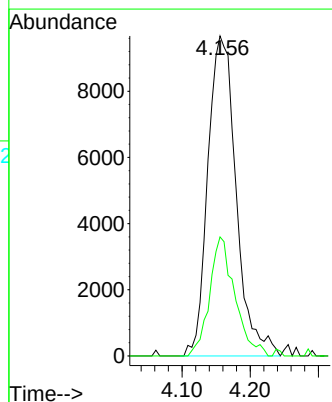
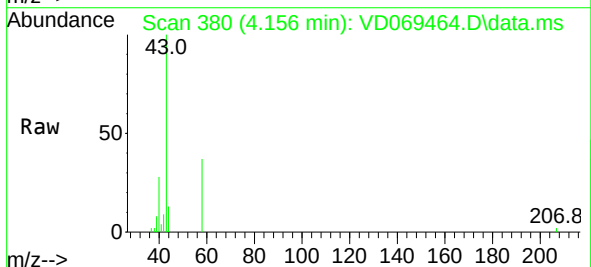
Instrument :
MSVOA_D
ClientSampled :

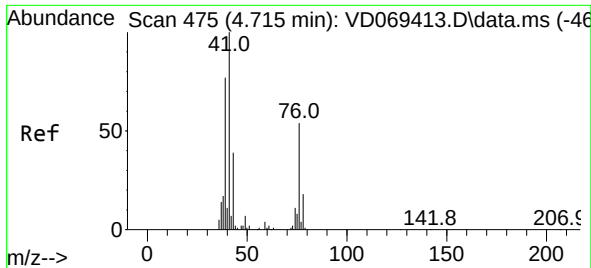
Tgt Ion: 56 Resp: 77
Ion Ratio Lower Upper
56 100
55 0.0 53.8 80.8#



#16
Acetone
Concen: 150.400 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

Tgt Ion: 43 Resp: 27948
Ion Ratio Lower Upper
43 100
58 37.2 27.5 41.3

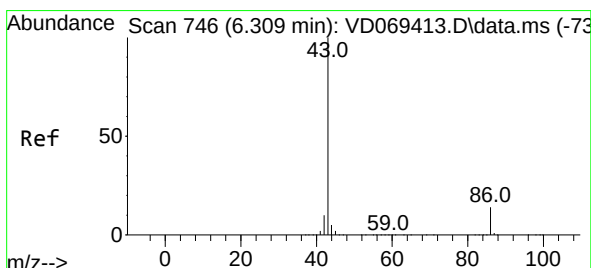
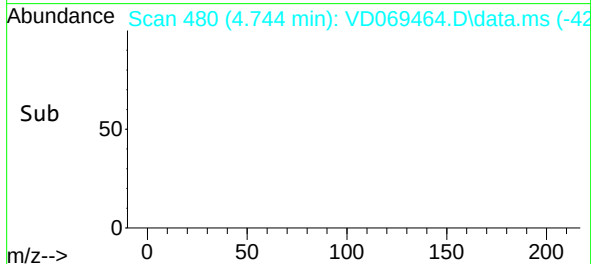
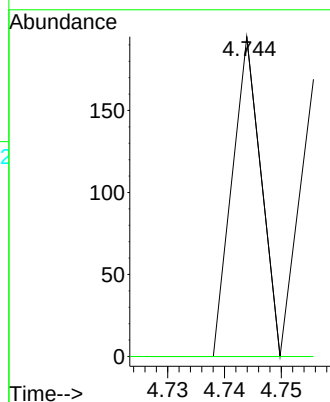
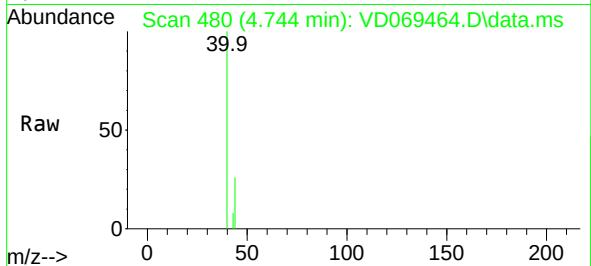




#18
Methyl Acetate
Concen: Below Cal
RT: 4.744 min Scan# 480
Delta R.T. 0.029 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

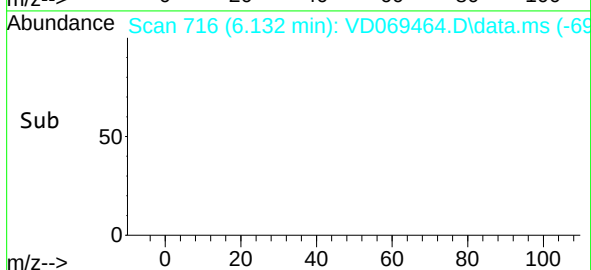
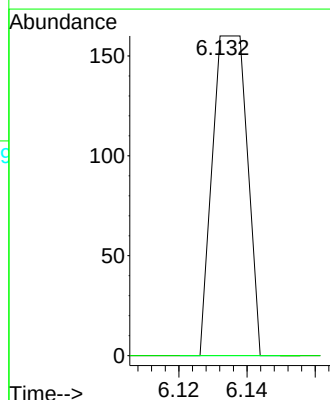
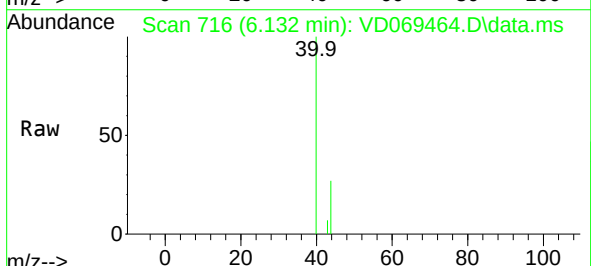
Instrument :
MSVOA_D
ClientSampleId :

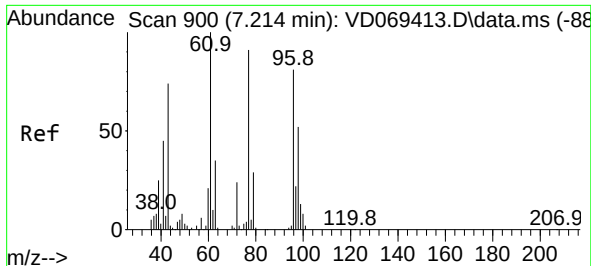
Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#



#23
Vinyl Acetate
Concen: 17.643 ug/l
RT: 6.132 min Scan# 716
Delta R.T. -0.177 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

Tgt Ion: 43 Resp: 113
Ion Ratio Lower Upper
43 100
86 0.0 10.5 15.7#

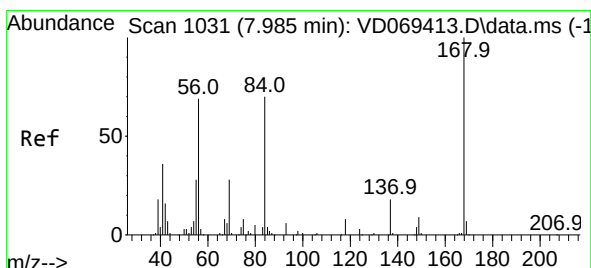
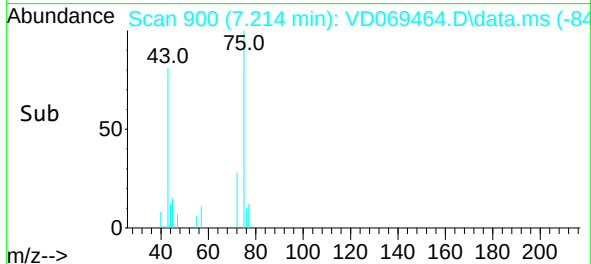
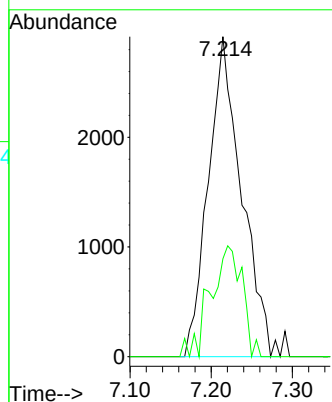
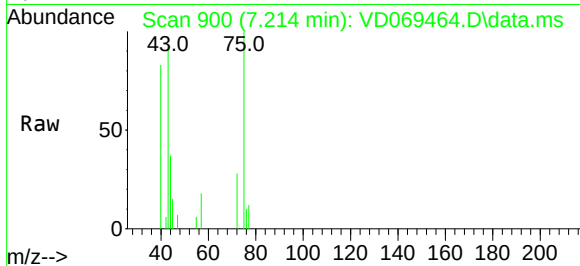




#25
2-Butanone
Concen: 35.876 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

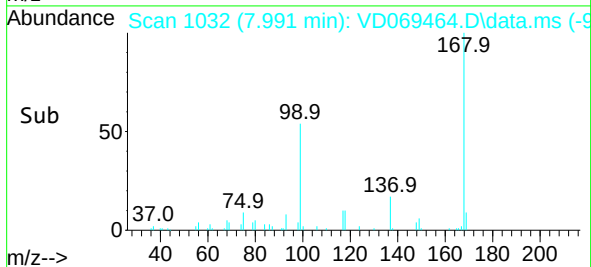
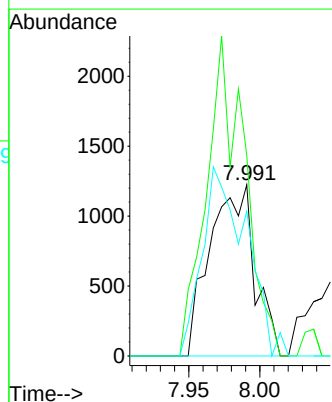
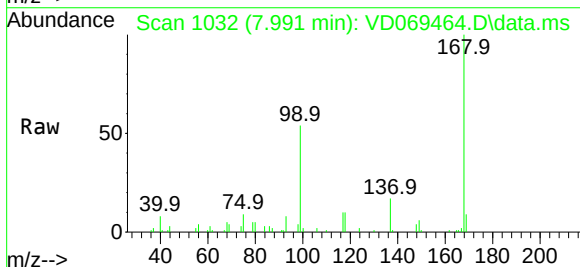
Instrument :
MSVOA_D
ClientSampled :

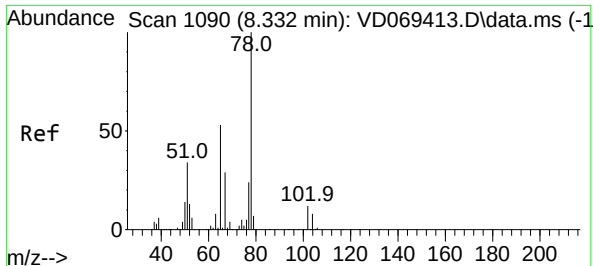
Tgt Ion: 43 Resp: 8313
Ion Ratio Lower Upper
43 100
72 30.6 23.9 35.9



#31
Cyclohexane
Concen: 1.753 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

Tgt Ion: 56 Resp: 2674
Ion Ratio Lower Upper
56 100
69 117.3 29.0 43.4#
84 84.5 81.1 121.7

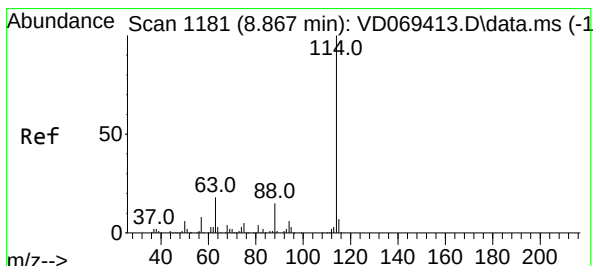
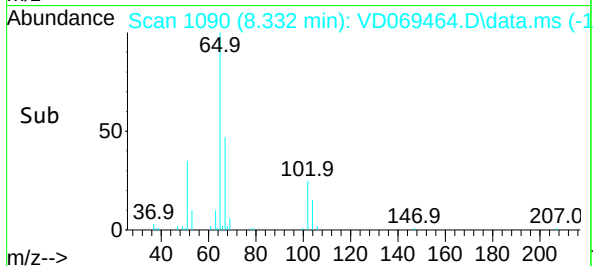
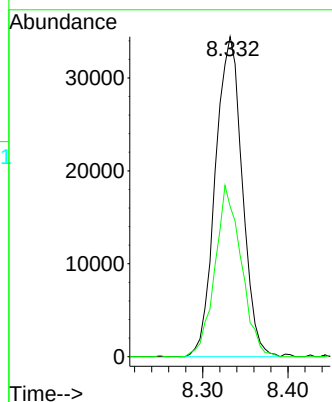
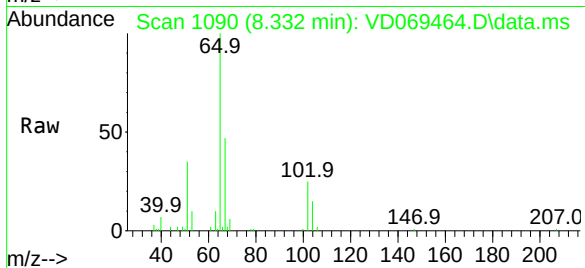




#33
1,2-Dichloroethane-d4
Concen: 67.207 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

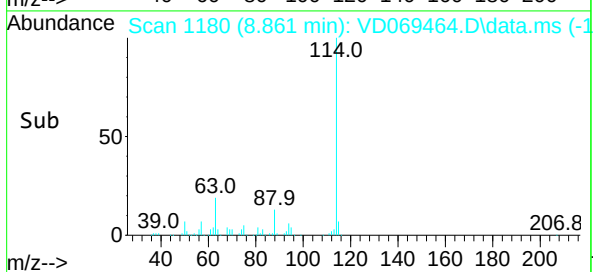
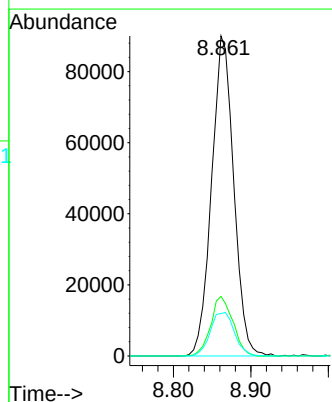
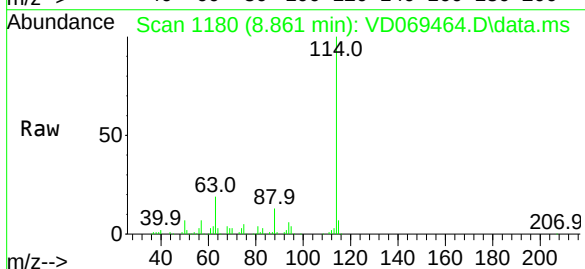
Instrument :
MSVOA_D
ClientSampleId :

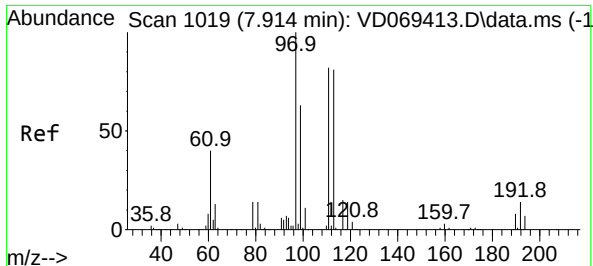
Tgt Ion: 65 Resp: 75450
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

Tgt Ion: 114 Resp: 178194
Ion Ratio Lower Upper
114 100
63 18.6 0.0 35.6
88 13.3 0.0 31.2





#35

Dibromofluoromethane

Concen: 53.430 ug/l

RT: 7.914 min Scan# 1019

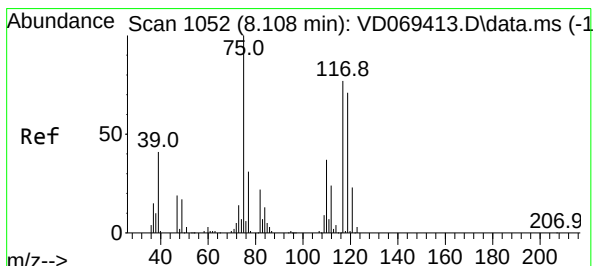
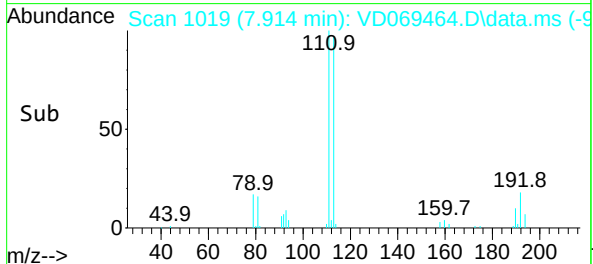
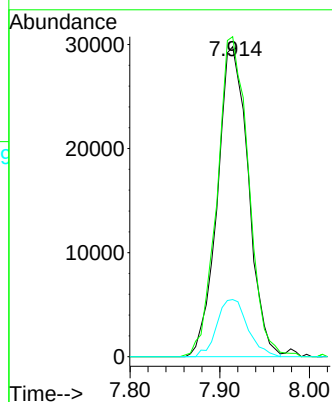
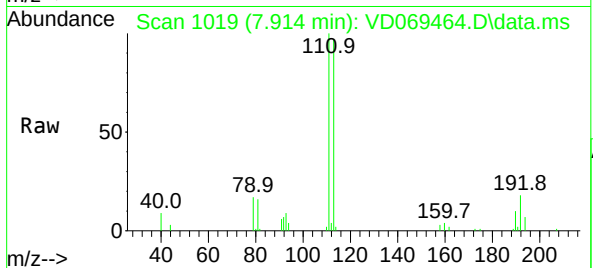
Delta R.T. 0.000 min

Lab File: VD069464.D

Acq: 16 Jun 2021 13:57

Tgt Ion:	113	Resp:	71312
Ion	Ratio	Lower	Upper
113	100		
111	104.8	83.0	124.6
192	18.3	15.1	22.7

Instrument :
MSVOA_D
ClientSampled :



#36

1,1-Dichloropropene

Concen: 4.296 ug/l

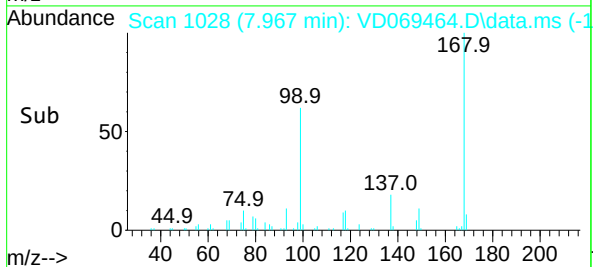
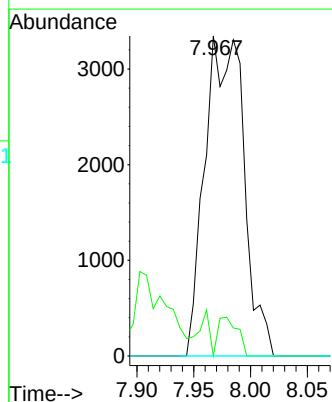
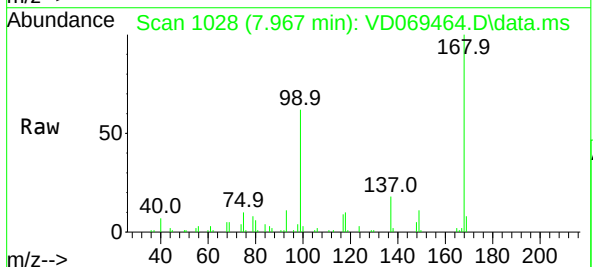
RT: 7.967 min Scan# 1028

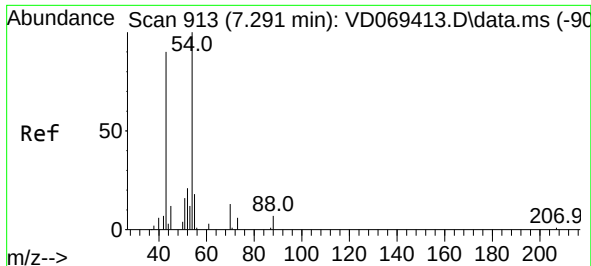
Delta R.T. -0.141 min

Lab File: VD069464.D

Acq: 16 Jun 2021 13:57

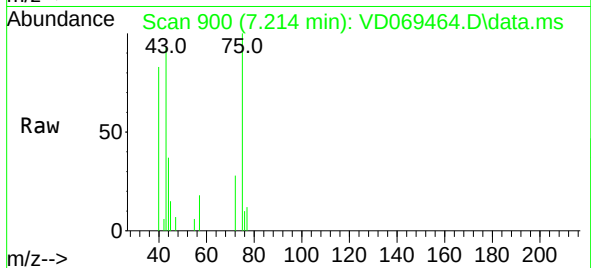
Tgt Ion:	75	Resp:	7971
Ion	Ratio	Lower	Upper
75	100		
110	4.2	18.4	55.2#
77	0.0	24.9	37.3#



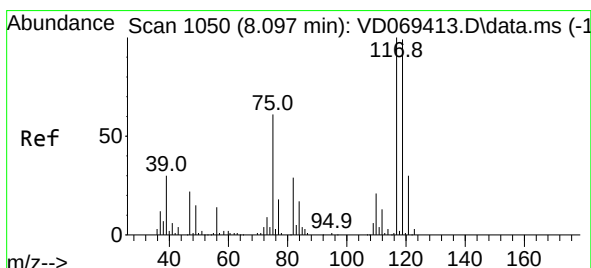
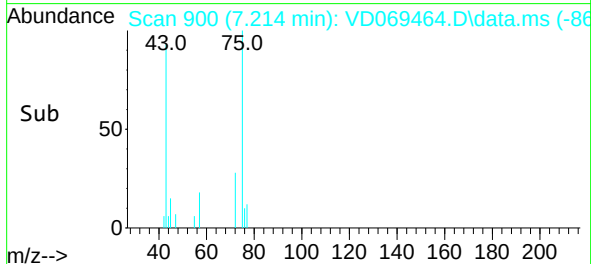
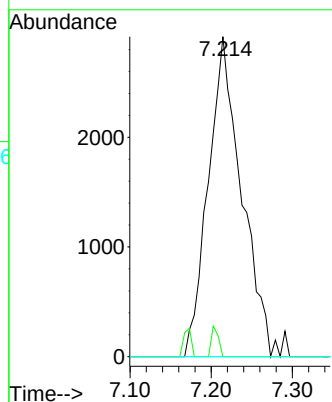


#37
Ethyl Acetate
Concen: 13.391 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.077 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

Instrument :
MSVOA_D
ClientSampleId :

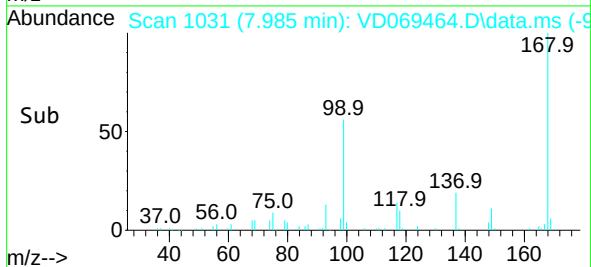
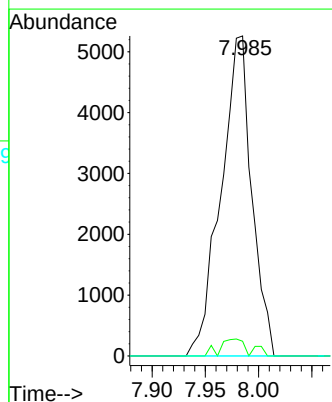
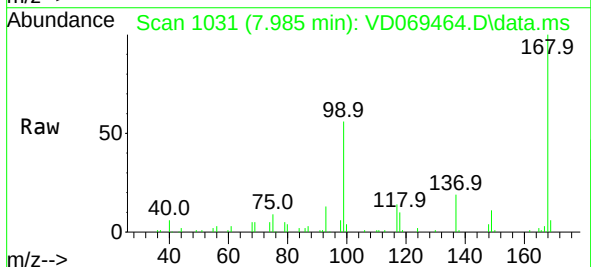


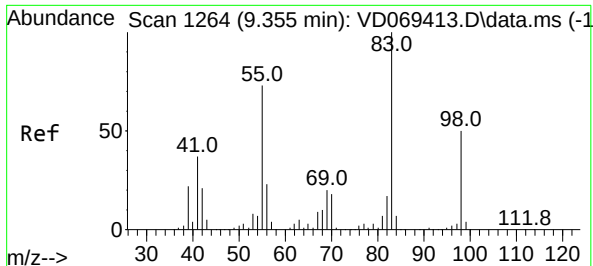
Tgt Ion: 43 Resp: 8313
Ion Ratio Lower Upper
43 100
61 2.0 11.0 16.6#
70 0.0 9.7 14.5#



#38
Carbon Tetrachloride
Concen: 5.266 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

Tgt Ion: 117 Resp: 10584
Ion Ratio Lower Upper
117 100
119 4.6 79.4 119.2#
121 0.0 26.1 39.1#





#39

Methylcyclohexane

Concen: 2.029 ug/l

RT: 9.344 min Scan# 1262

Delta R.T. -0.011 min

Lab File: VD069464.D

Acq: 16 Jun 2021 13:57

Tgt Ion: 83 Resp: 3787

Ion Ratio Lower Upper

83 100

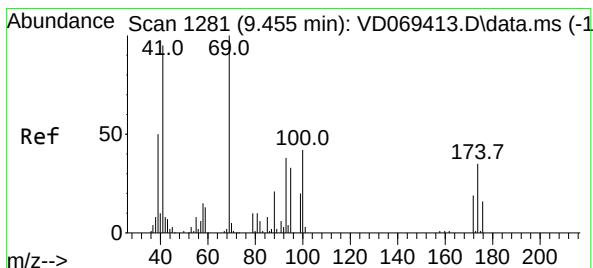
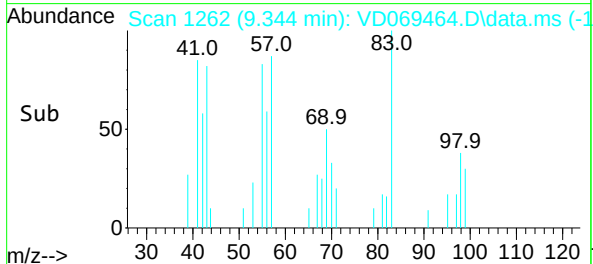
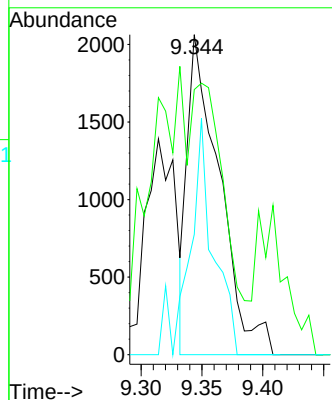
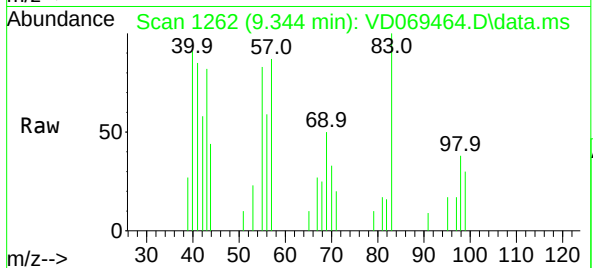
55 60.2 57.4 86.2

98 37.6 42.2 63.2#

Instrument :

MSVOA_D

ClientSampled :



#48

Methyl methacrylate

Concen: 5.907 ug/l

RT: 9.414 min Scan# 1274

Delta R.T. -0.041 min

Lab File: VD069464.D

Acq: 16 Jun 2021 13:57

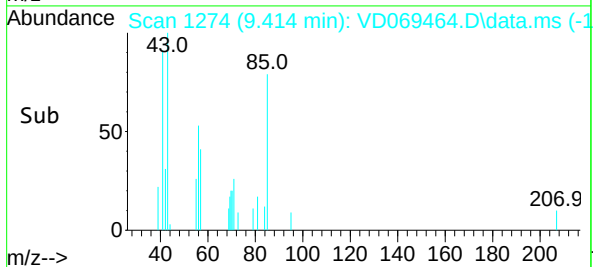
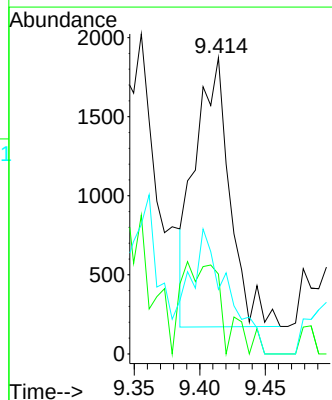
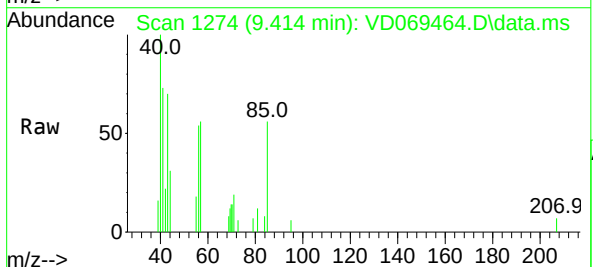
Tgt Ion: 41 Resp: 3153

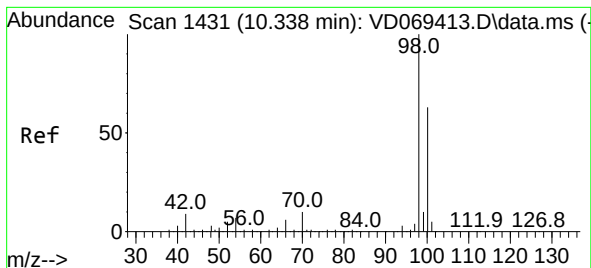
Ion Ratio Lower Upper

41 100

69 0.0 77.6 116.4#

39 50.9 45.3 67.9

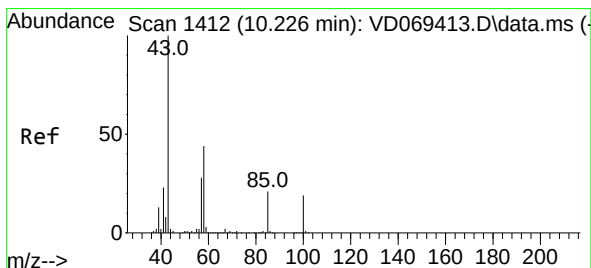
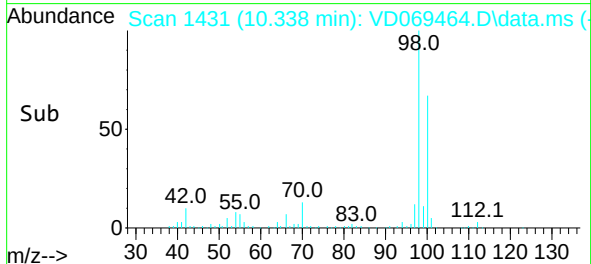
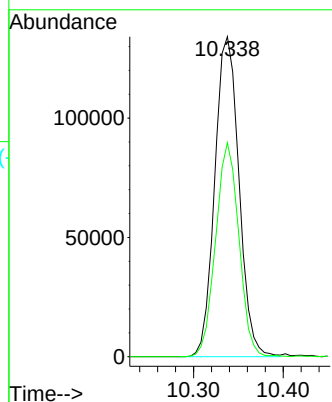
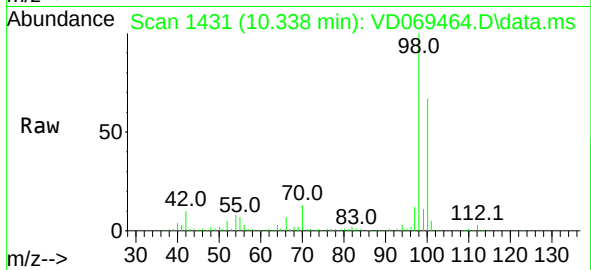




#50
Toluene-d8
Concen: 51.508 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

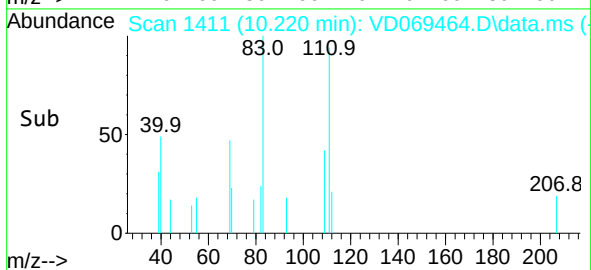
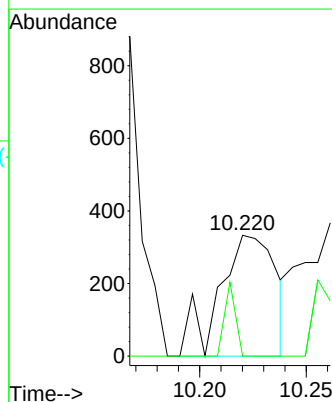
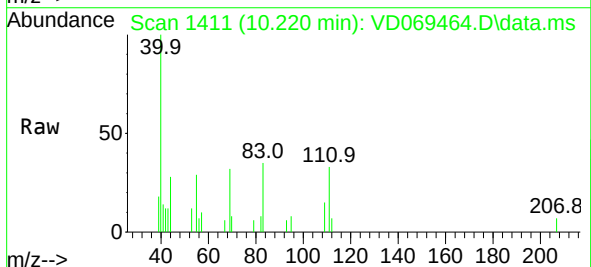
Instrument :
MSVOA_D
ClientSampleId :

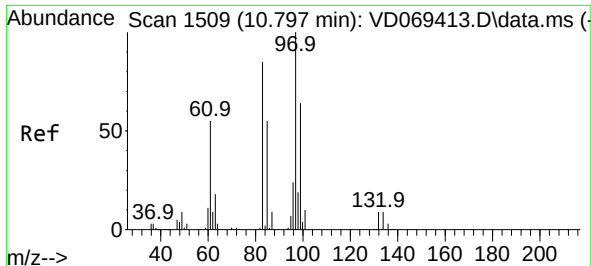
Tgt Ion: 98 Resp: 251437
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.027 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

Tgt Ion: 43 Resp: 615
Ion Ratio Lower Upper
43 100
58 11.7 35.1 52.7#

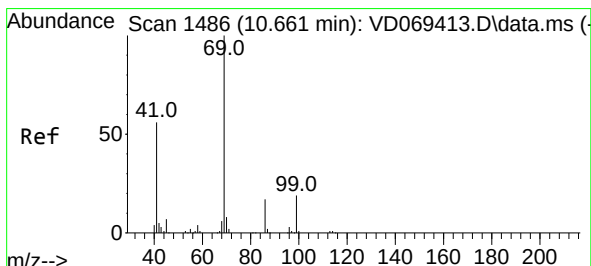
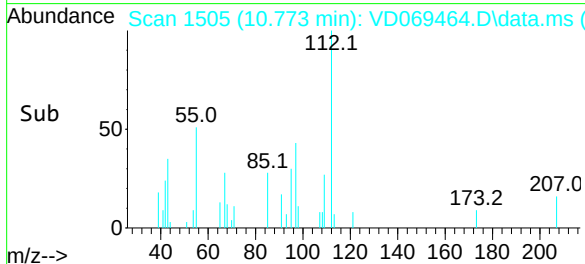
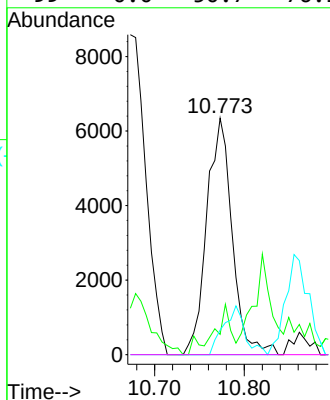
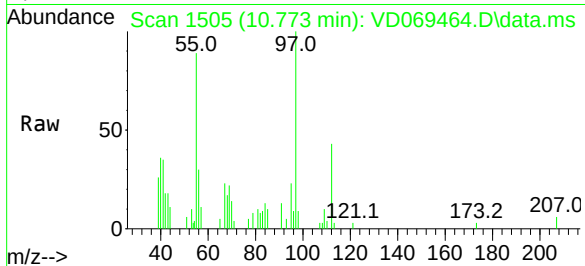




#55
1,1,2-Trichloroethane
Concen: 11.976 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.024 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

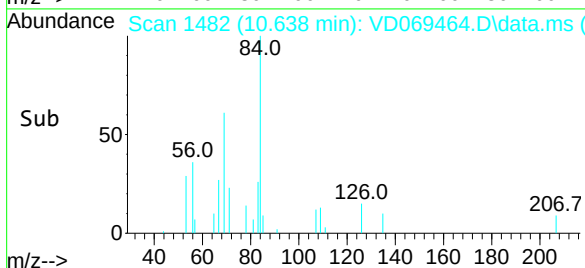
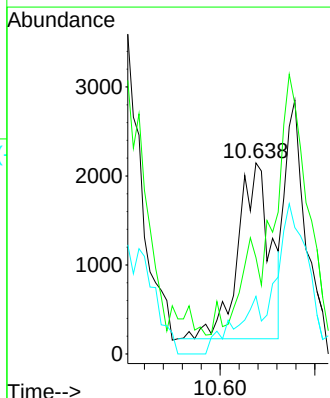
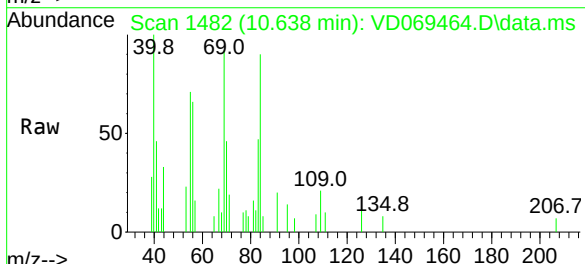
Instrument :
MSVOA_D
ClientSampleId :

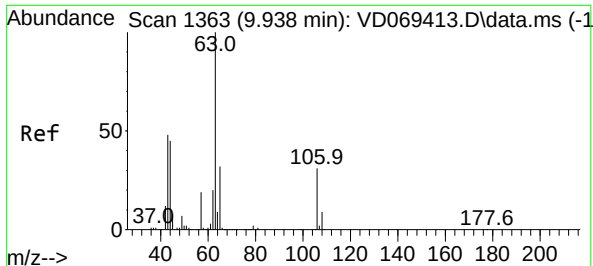
Tgt Ion:	97	Resp:	12505
Ion	Ratio	Lower	Upper
97	100		
83	5.8	69.4	104.0#
85	10.4	44.5	66.7#
99	0.0	50.7	76.1#



#56
Ethyl methacrylate
Concen: 6.479 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.023 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

Tgt Ion:	69	Resp:	4619
Ion	Ratio	Lower	Upper
69	100		
41	28.7	45.4	68.2#
39	26.7	21.7	32.5

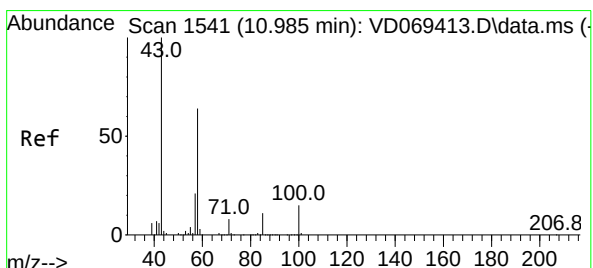
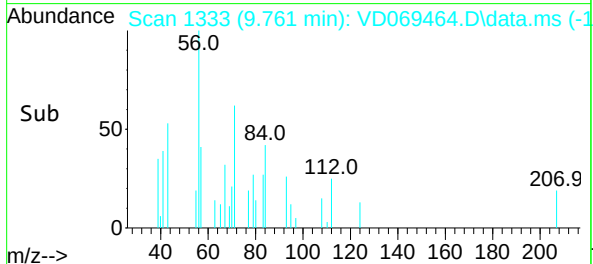
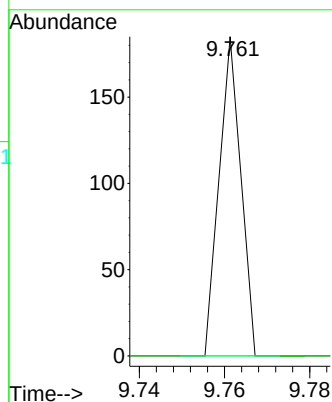
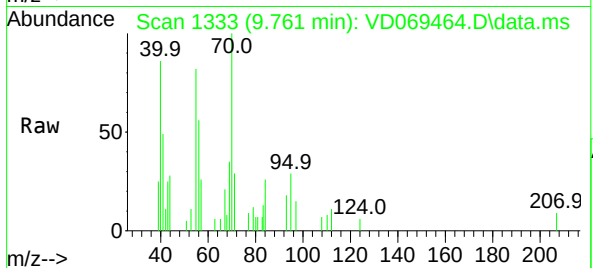




#58
2-Chloroethyl Vinyl ether
Concen: 12.043 ug/l
RT: 9.761 min Scan# 1333
Delta R.T. -0.177 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

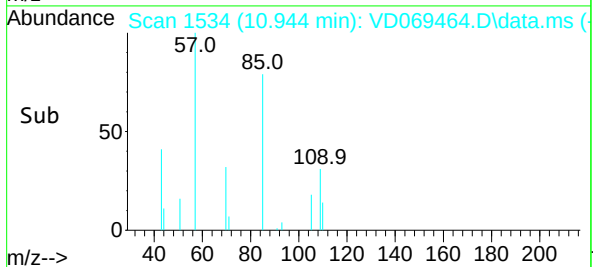
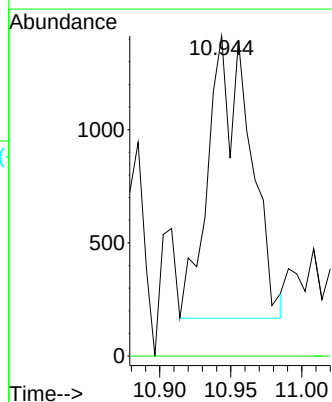
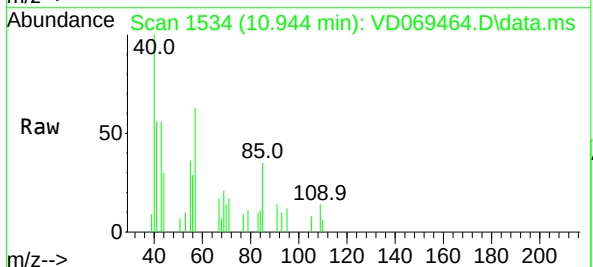
Instrument :
MSVOA_D
ClientSampled :

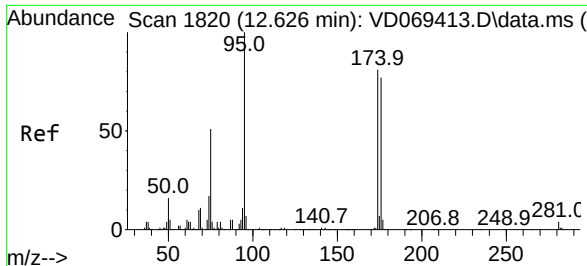
Tgt Ion: 63 Resp: 65
Ion Ratio Lower Upper
63 100
106 0.0 24.8 37.2#



#59
2-Hexanone
Concen: 6.396 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.041 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

Tgt Ion: 43 Resp: 2557
Ion Ratio Lower Upper
43 100
58 0.0 30.8 92.3#

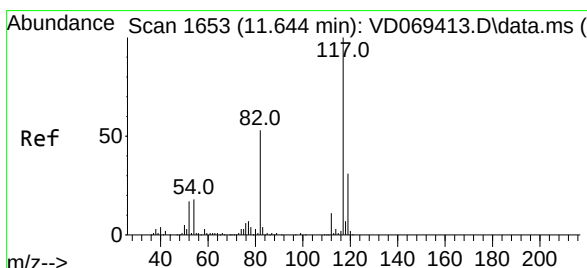
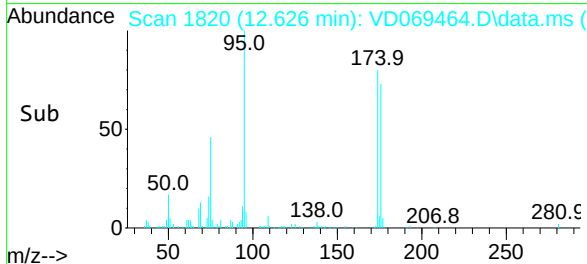
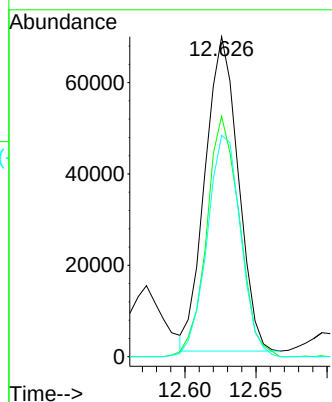
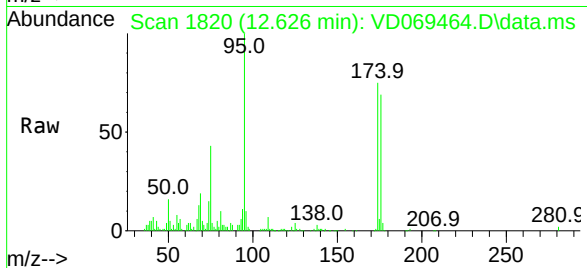




#62
4-Bromofluorobenzene
Concen: 71.408 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

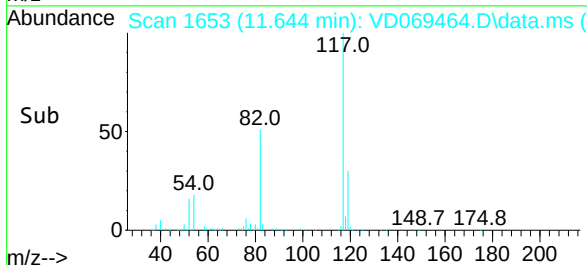
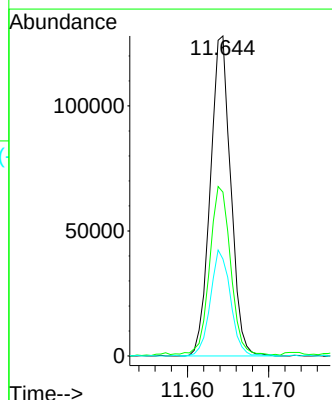
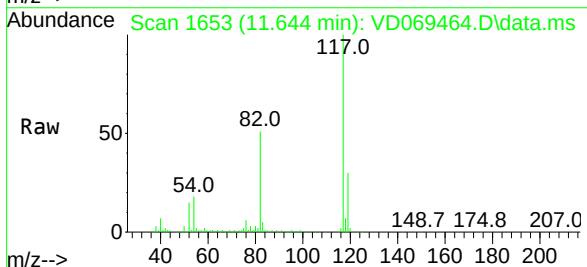
Instrument :
MSVOA_D
ClientSampleId :

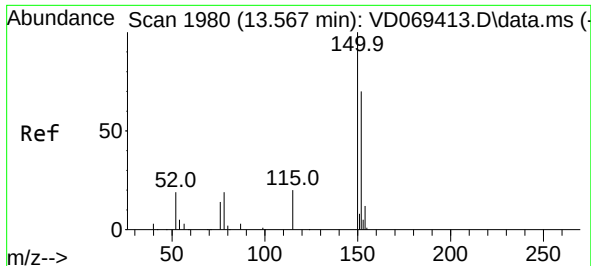
Tgt Ion: 95 Resp: 111847
Ion Ratio Lower Upper
95 100
174 75.5 0.0 162.8
176 71.4 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

Tgt Ion: 117 Resp: 223297
Ion Ratio Lower Upper
117 100
82 51.0 43.3 64.9
119 30.3 25.3 37.9

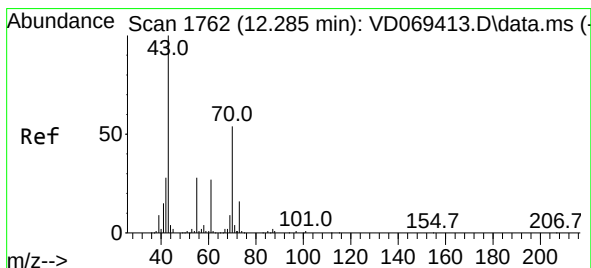
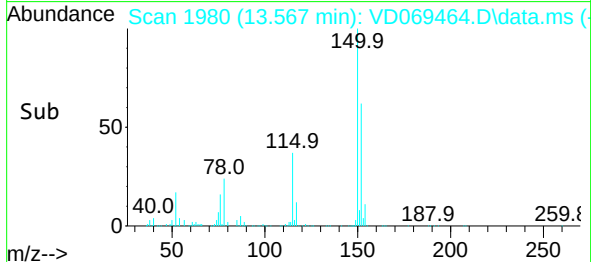
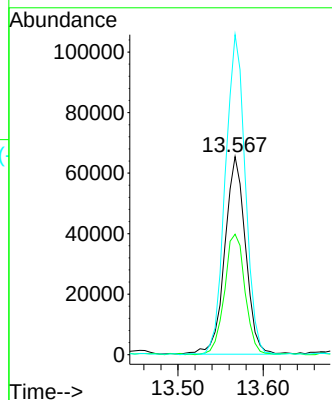
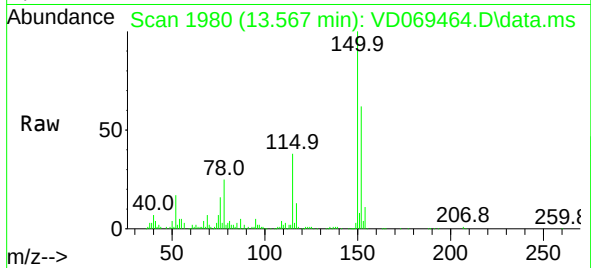




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

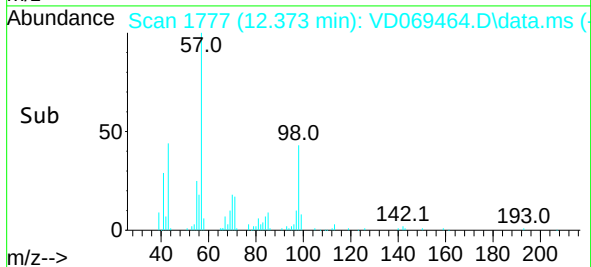
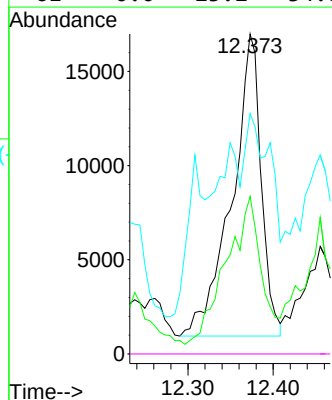
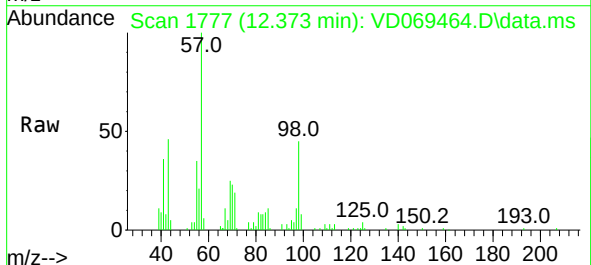
Instrument :
MSVOA_D
ClientSampleId :

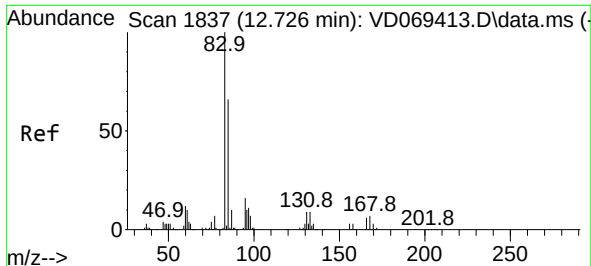
Tgt Ion:152 Resp: 110489
Ion Ratio Lower Upper
152 100
115 60.5 29.4 88.3
150 156.1 0.0 355.0



#74
N-ethyl acetate
Concen: 27.400 ug/l
RT: 12.373 min Scan# 1777
Delta R.T. 0.088 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

Tgt Ion: 43 Resp: 38183
Ion Ratio Lower Upper
43 100
70 59.0 40.9 61.3
55 30.2 23.4 35.0
61 0.0 23.2 34.8#

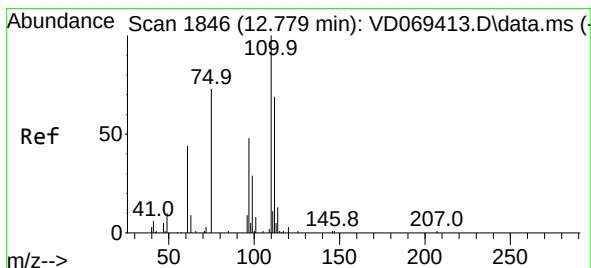
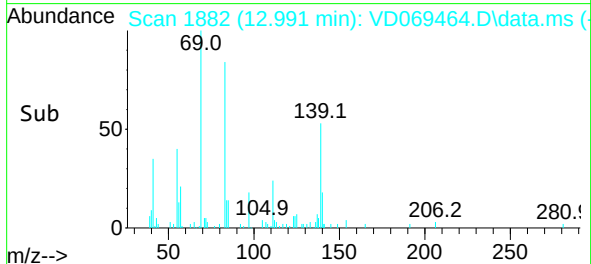
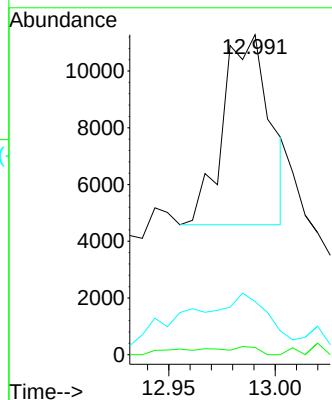
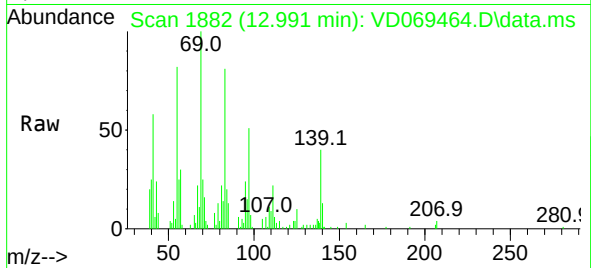




#75
1,1,2,2-Tetrachloroethane
Concen: 6.875 ug/l
RT: 12.991 min Scan# 1882
Delta R.T. 0.265 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

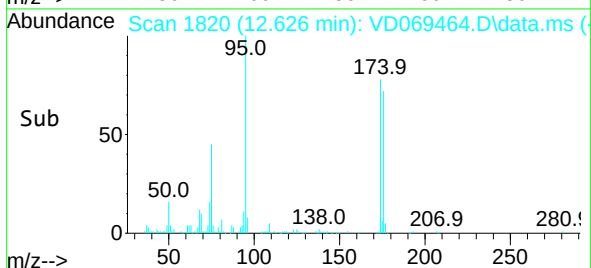
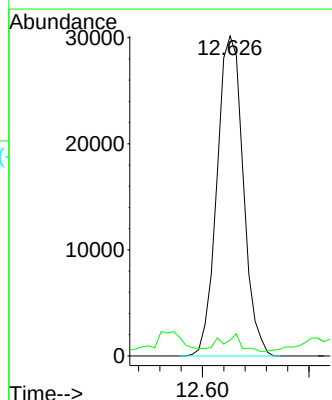
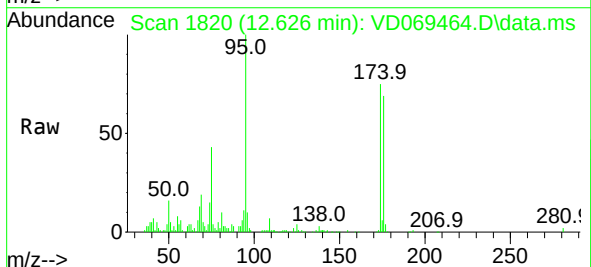
Instrument :
MSVOA_D
ClientSampleId :

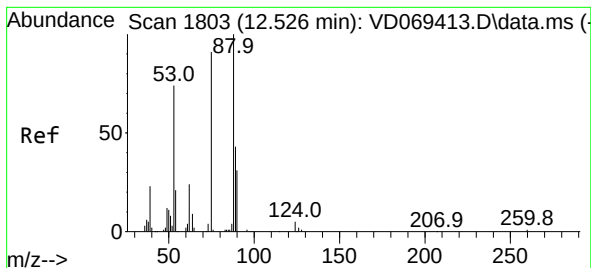
Tgt Ion: 83 Resp: 10253
Ion Ratio Lower Upper
83 100
131 6.1 5.3 16.1
85 52.1 32.6 98.0



#76
1,2,3-Trichloropropane
Concen: 46.031 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

Tgt Ion: 75 Resp: 51563
Ion Ratio Lower Upper
75 100
77 4.2 183.8 551.2#

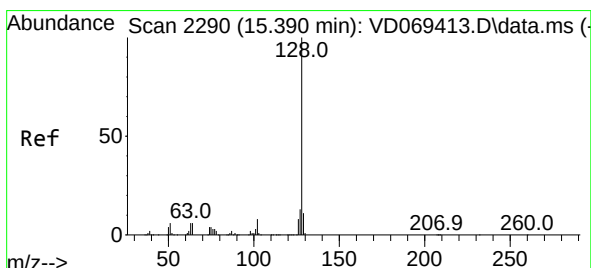
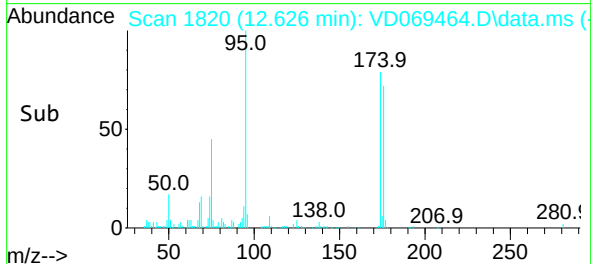
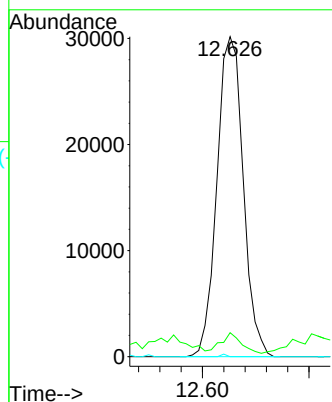
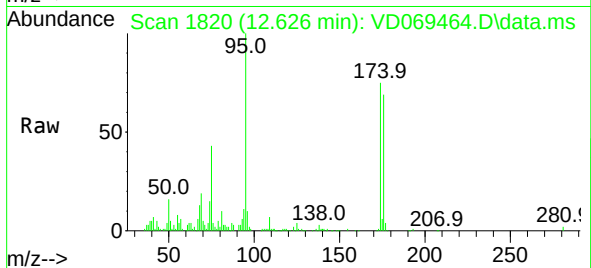




#81
trans-1,4-Dichloro-2-butene
Concen: 122.800 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 51563
Ion Ratio Lower Upper
75 100
53 4.9 62.6 94.0#
89 0.2 35.6 53.4#



#95
Naphthalene
Concen: 3.727 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069464.D
Acq: 16 Jun 2021 13:57

Tgt Ion: 128 Resp: 642
Ion Ratio Lower Upper
128 100
127 44.2 10.4 15.6#
129 0.0 8.8 13.2#

