

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062221\
 Data File : VD069512.D
 Acq On : 22 Jun 2021 13:22
 Operator : VA/SY
 Sample : VD0622SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 23 04:26:27 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)

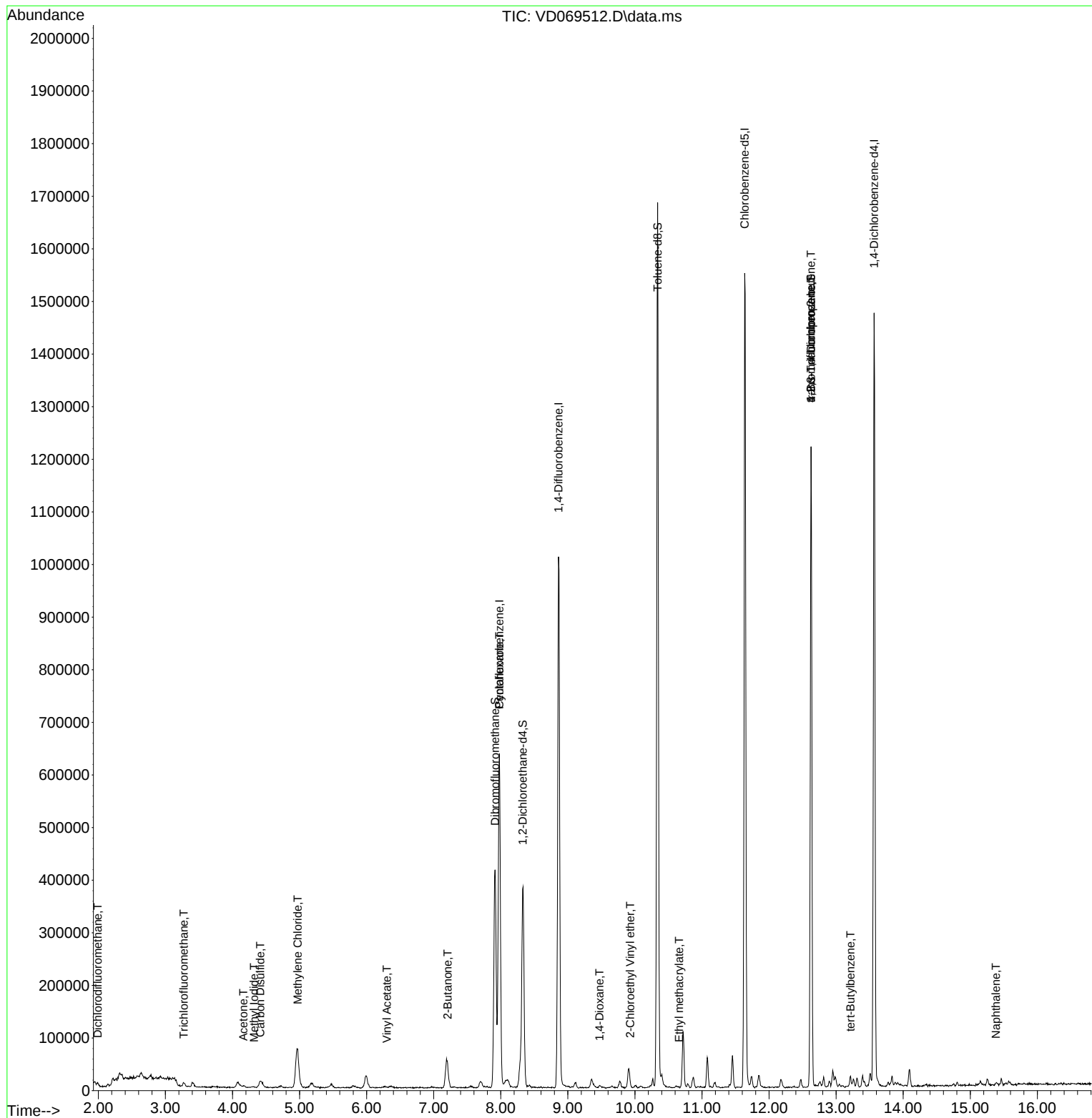
Internal Standards						
1) Pentafluorobenzene	7.979	168	442952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	848939	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	891713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	381305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	306605	55.531	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.060%
35) Dibromofluoromethane	7.914	113	306655	53.437	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.880%
50) Toluene-d8	10.338	98	1121313	52.093	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.180%
62) 4-Bromofluorobenzene	12.626	95	379143	53.577	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	107.160%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	4612	1.086	ug/l	91
5) Bromomethane	2.773	94	4349	Below Cal	#	48
7) Trichlorofluoromethane	3.273	101	8584	1.043	ug/l #	82
10) Methyl Iodide	4.320	142	2088	4.355	ug/l #	73
11) Tert butyl alcohol	5.167	59	4170	Below Cal	#	83
16) Acetone	4.161	43	6536	7.033	ug/l #	88
17) Carbon Disulfide	4.414	76	17032	1.183	ug/l #	88
18) Methyl Acetate	4.726	43	263	Below Cal	#	49
20) Methylene Chloride	4.973	84	61536	4.611	ug/l	95
23) Vinyl Acetate	6.303	43	1236	19.156	ug/l #	70
25) 2-Butanone	7.208	43	1719	1.456	ug/l #	44
31) Cyclohexane	7.979	56	14897	2.004	ug/l #	19
49) 1,4-Dioxane	9.473	88	138	4.338	ug/l #	42
56) Ethyl methacrylate	10.661	69	374	2.647	ug/l #	62
58) 2-Chloroethyl Vinyl ether	9.932	63	791	10.870	ug/l #	47
76) 1,2,3-Trichloropropane	12.626	75	195816	52.315	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	195816	130.624	ug/l #	12
83) tert-Butylbenzene	13.214	119	6814	2.323	ug/l	93
95) Naphthalene	15.384	128	4384	3.699	ug/l #	85

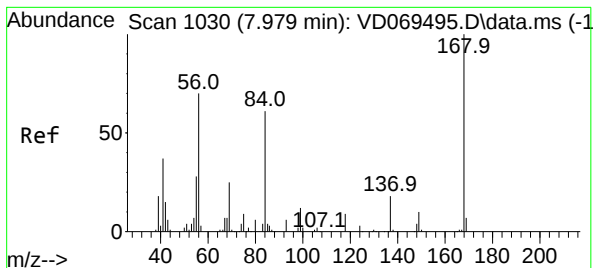
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 22 04:33:24 2021
Response via : Initial Calibration

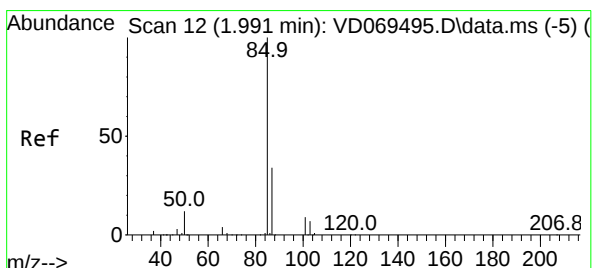
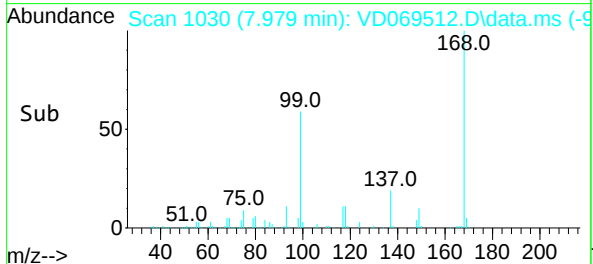
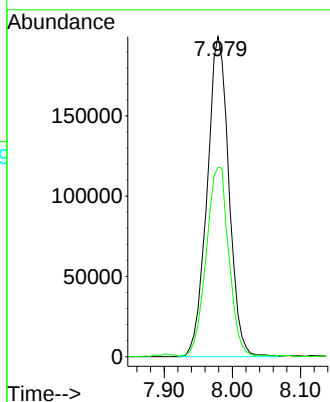
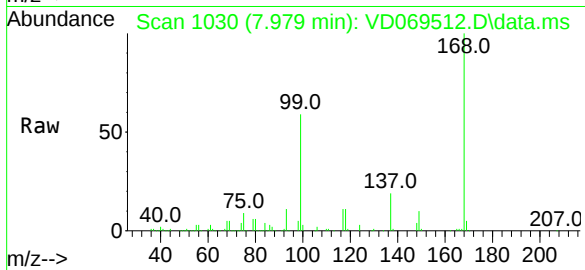




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069512.D
Acq: 22 Jun 2021 13:22

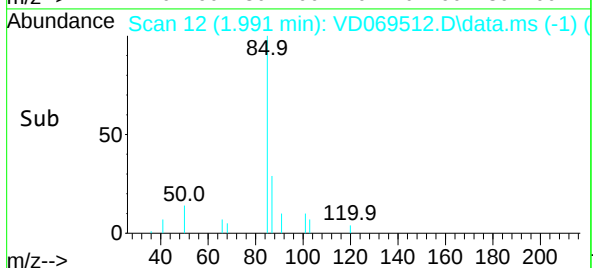
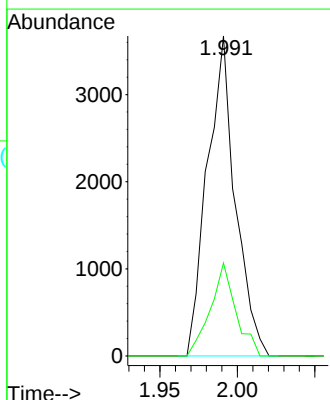
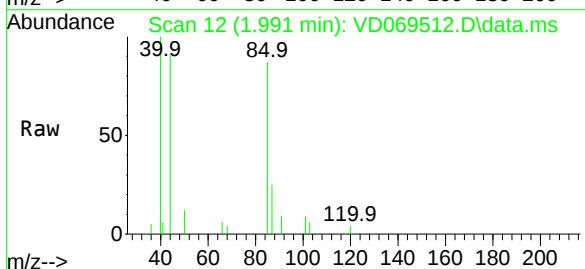
Instrument :
MSVOA_D
ClientSampleId :

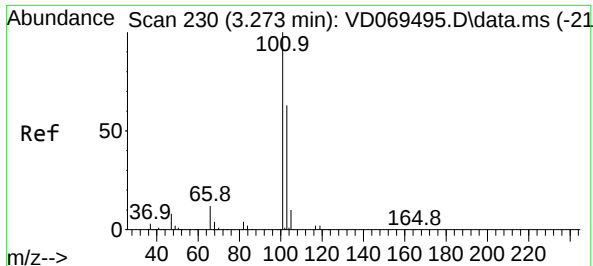
Tgt Ion:168 Resp: 442952
Ion Ratio Lower Upper
168 100
99 58.9 49.3 73.9



#2
Dichlorodifluoromethane
Concen: 1.086 ug/l
RT: 1.991 min Scan# 12
Delta R.T. -0.000 min
Lab File: VD069512.D
Acq: 22 Jun 2021 13:22

Tgt Ion: 85 Resp: 4612
Ion Ratio Lower Upper
85 100
87 29.0 17.1 51.2

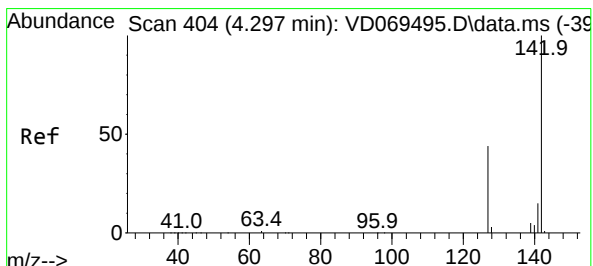
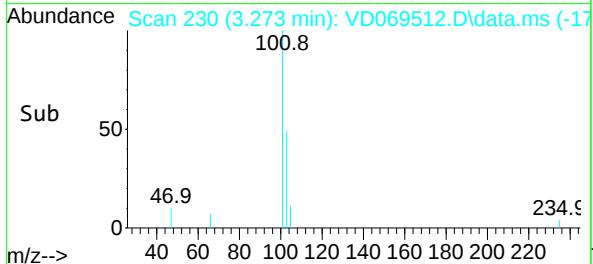
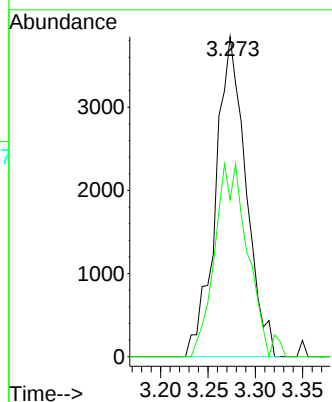
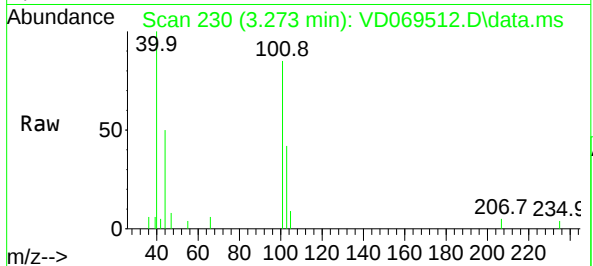




#7
 Trichlorofluoromethane
 Concen: 1.043 ug/l
 RT: 3.273 min Scan# 230
 Delta R.T. -0.000 min
 Lab File: VD069512.D
 Acq: 22 Jun 2021 13:22

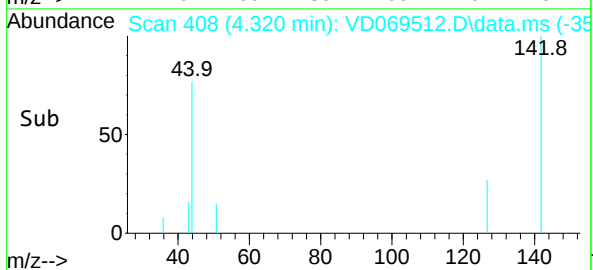
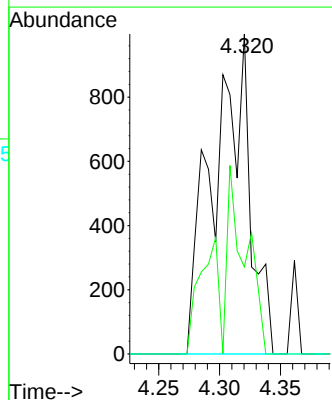
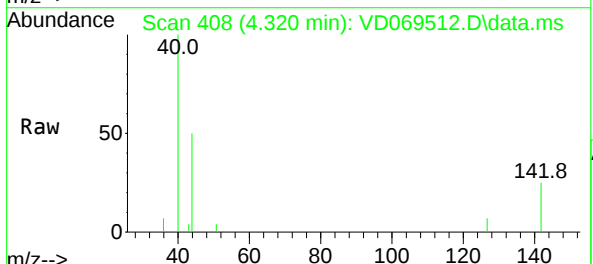
Instrument :
 MSVOA_D
 ClientSampleId :

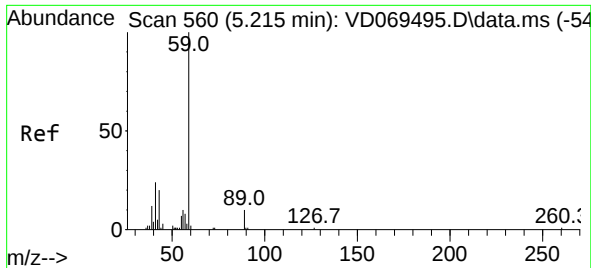
Tgt Ion:101 Resp: 8584
 Ion Ratio Lower Upper
 101 100
 103 49.0 50.6 75.8#



#10
 Methyl Iodide
 Concen: 4.355 ug/l
 RT: 4.320 min Scan# 408
 Delta R.T. 0.023 min
 Lab File: VD069512.D
 Acq: 22 Jun 2021 13:22

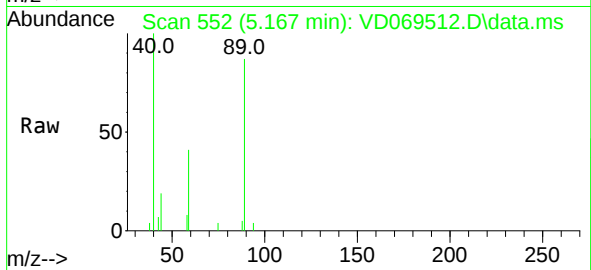
Tgt Ion:142 Resp: 2088
 Ion Ratio Lower Upper
 142 100
 127 29.6 36.5 54.7#
 141 0.0 12.0 18.0#



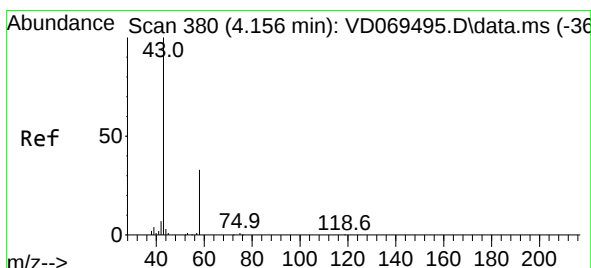
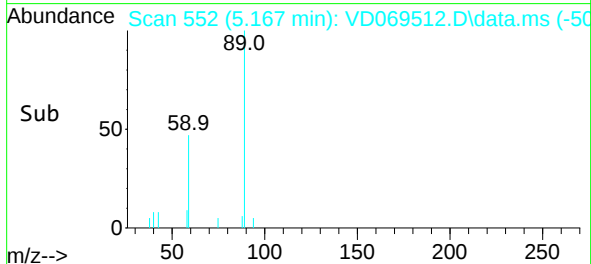
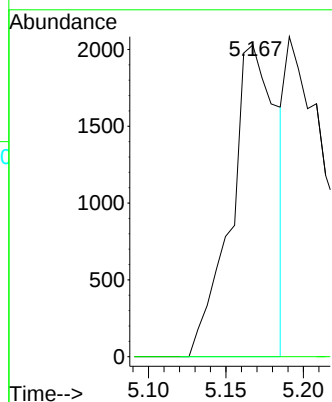


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.167 min Scan# 552
Delta R.T. -0.048 min
Lab File: VD069512.D
Acq: 22 Jun 2021 13:22

Instrument :
MSVOA_D
ClientSampled :

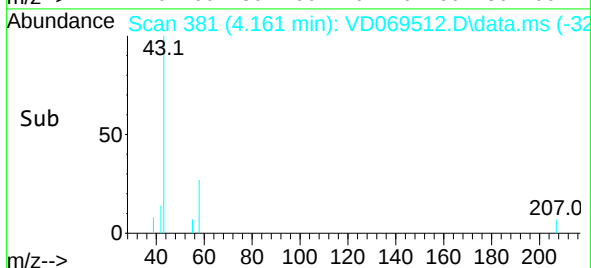
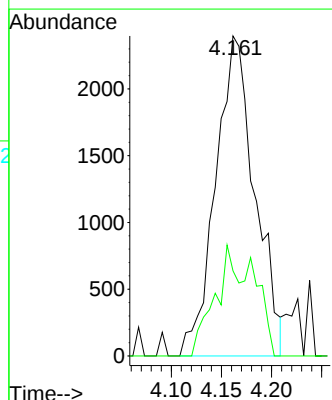
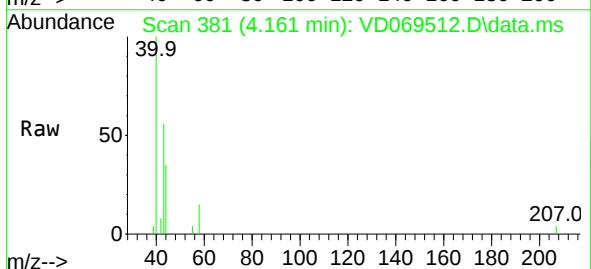


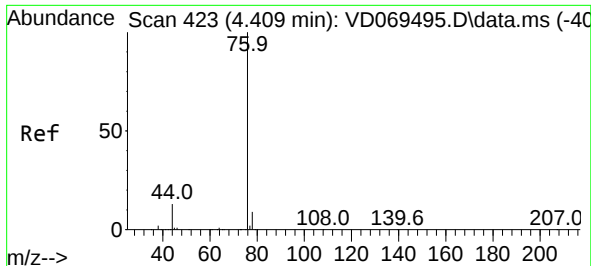
Tgt Ion: 59 Resp: 4170
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#



#16
Acetone
Concen: 7.033 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069512.D
Acq: 22 Jun 2021 13:22

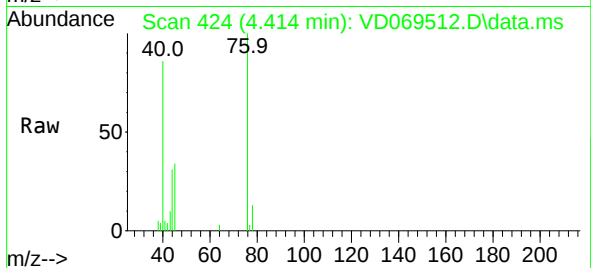
Tgt Ion: 43 Resp: 6536
Ion Ratio Lower Upper
43 100
58 26.6 26.8 40.2#



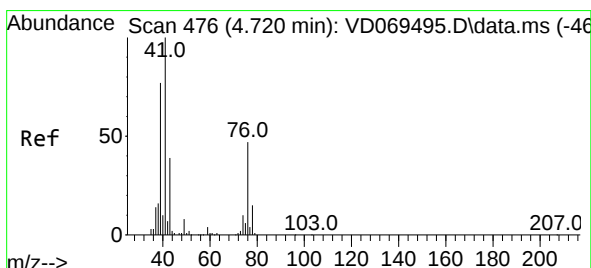
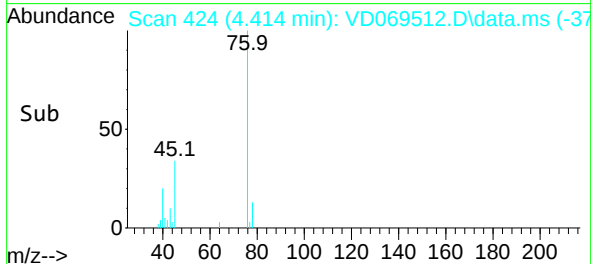
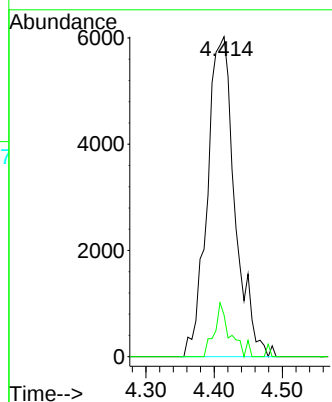


#17
Carbon Disulfide
Concen: 1.183 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD069512.D
Acq: 22 Jun 2021 13:22

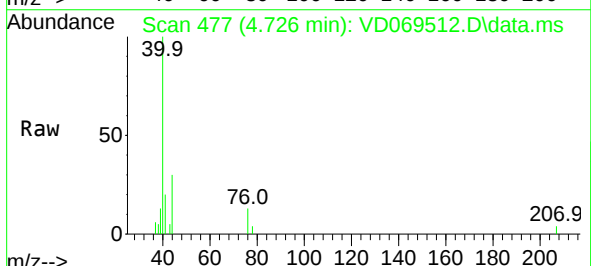
Instrument :
MSVOA_D
ClientSampleId :



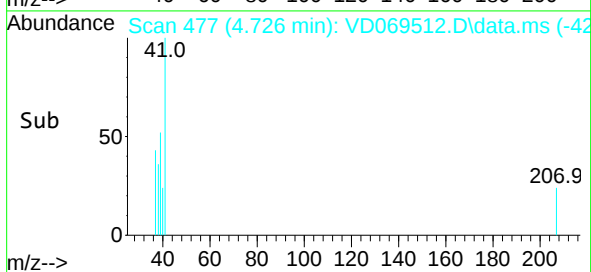
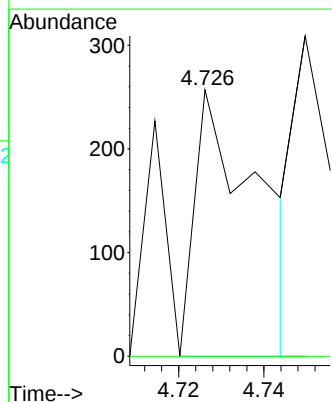
Tgt Ion: 76 Resp: 17032
Ion Ratio Lower Upper
76 100
78 13.0 7.0 10.4#

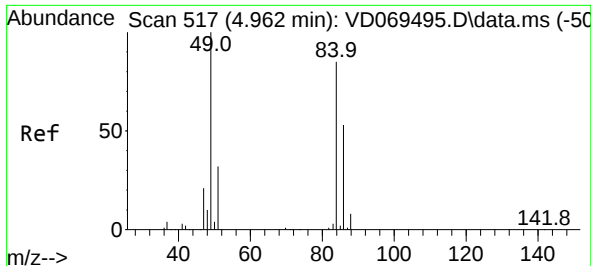


#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD069512.D
Acq: 22 Jun 2021 13:22



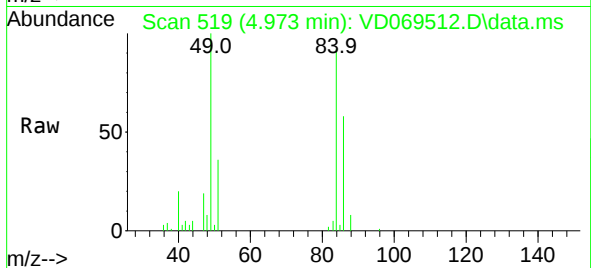
Tgt Ion: 43 Resp: 263
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



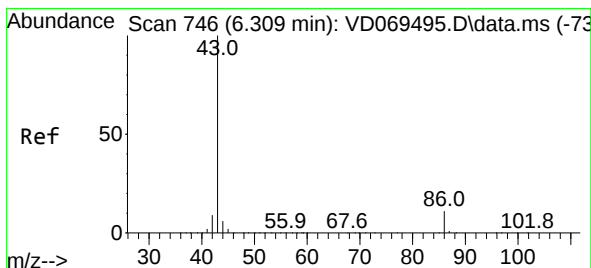
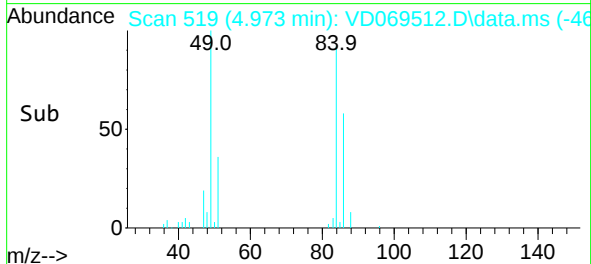
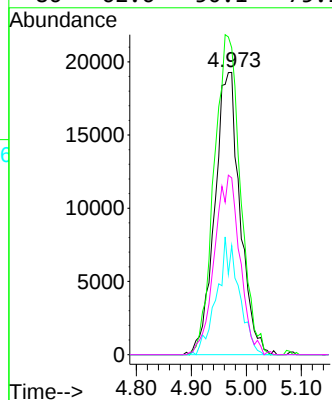


#20
Methylene Chloride
Concen: 4.611 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD069512.D
Acq: 22 Jun 2021 13:22

Instrument :
MSVOA_D
ClientSampleId :

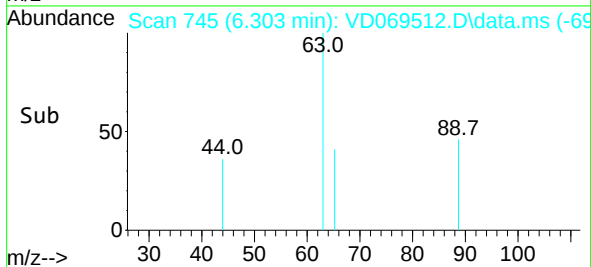
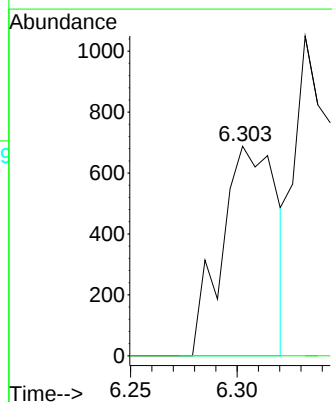
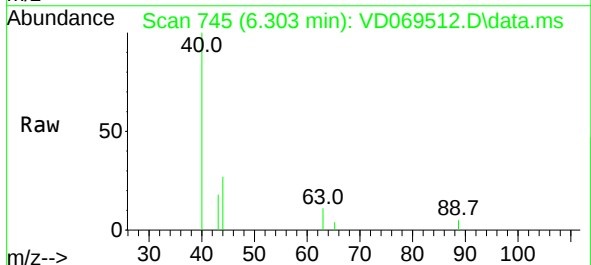


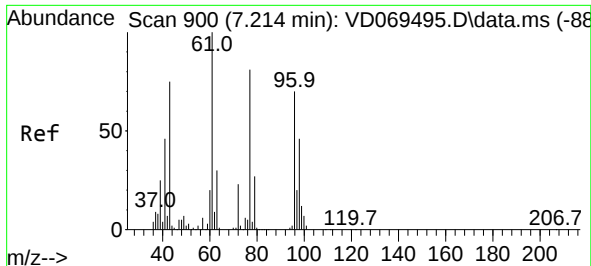
Tgt Ion:	84	Resp:	61536
Ion	Ratio	Lower	Upper
84	100		
49	108.7	94.0	141.0
51	38.6	29.7	44.5
86	62.6	50.1	75.1



#23
Vinyl Acetate
Concen: 19.156 ug/l
RT: 6.303 min Scan# 745
Delta R.T. -0.006 min
Lab File: VD069512.D
Acq: 22 Jun 2021 13:22

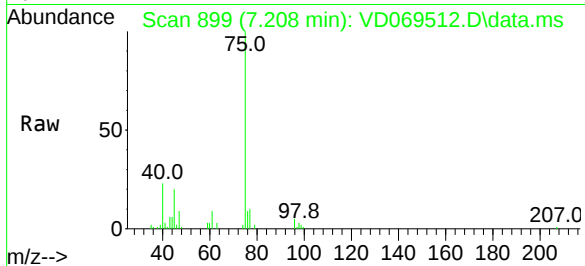
Tgt Ion:	43	Resp:	1236
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#



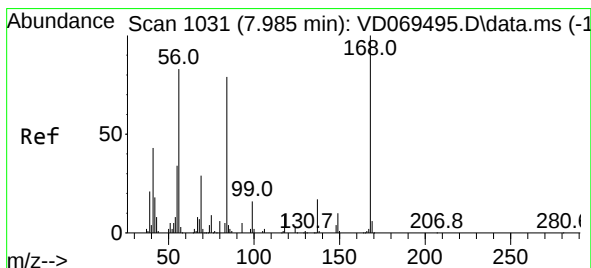
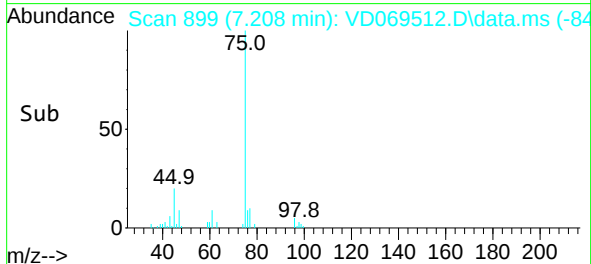
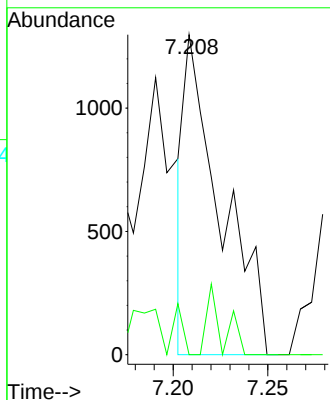


#25
2-Butanone
Concen: 1.456 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD069512.D
Acq: 22 Jun 2021 13:22

Instrument :
MSVOA_D
ClientSampled :

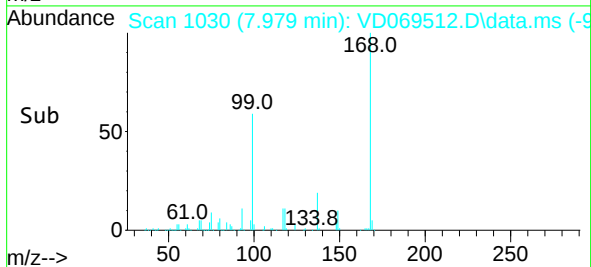
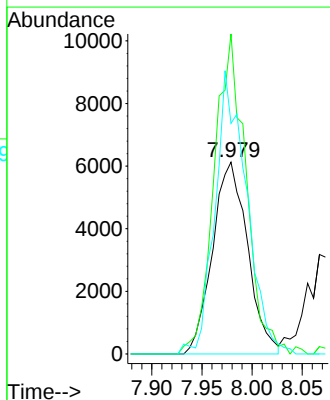
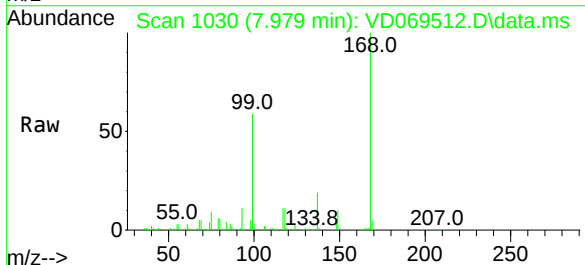


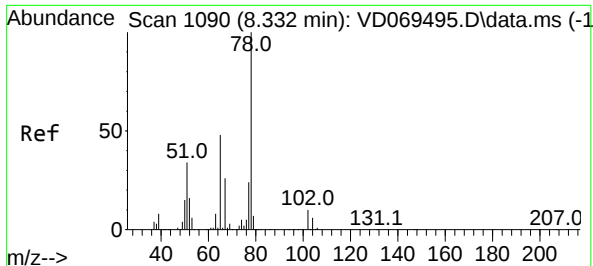
Tgt Ion: 43 Resp: 1719
Ion Ratio Lower Upper
43 100
72 0.0 24.3 36.5#



#31
Cyclohexane
Concen: 2.004 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069512.D
Acq: 22 Jun 2021 13:22

Tgt Ion: 56 Resp: 14897
Ion Ratio Lower Upper
56 100
69 166.8 28.0 42.0#
84 120.2 75.7 113.5#

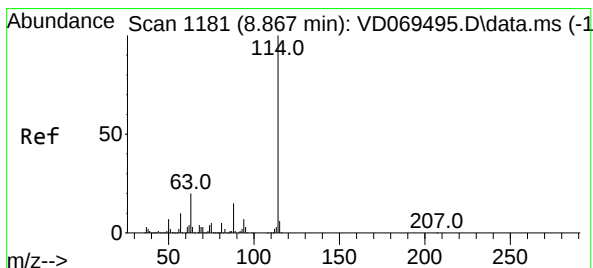
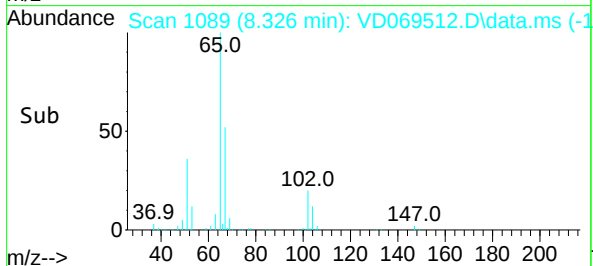
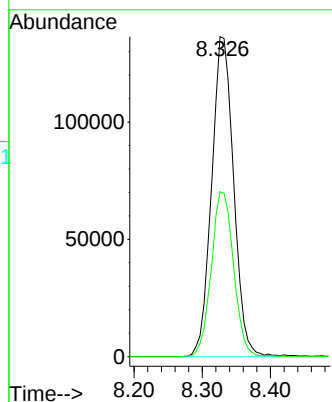
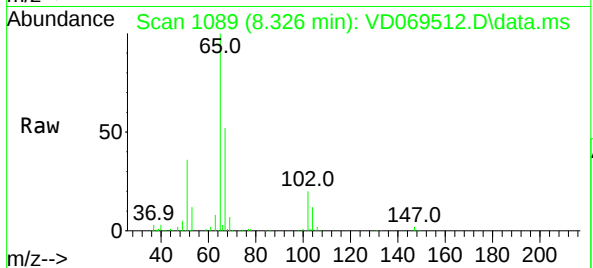




#33
1,2-Dichloroethane-d4
Concen: 55.531 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069512.D
Acq: 22 Jun 2021 13:22

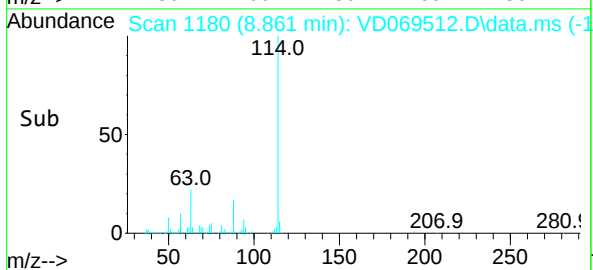
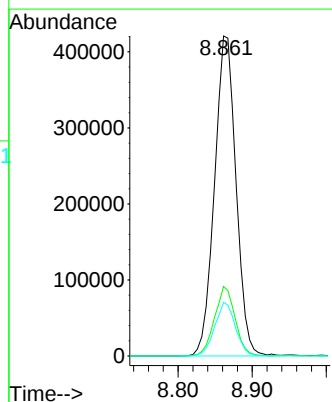
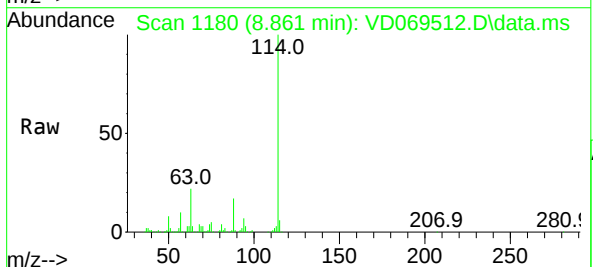
Instrument :
MSVOA_D
ClientSampleId :

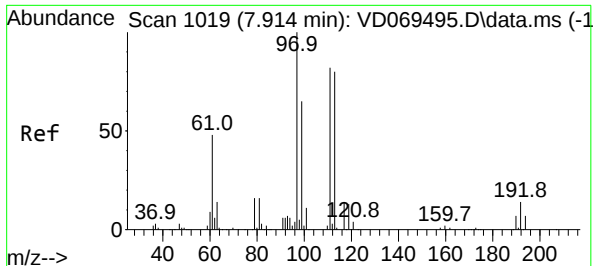
Tgt Ion: 65 Resp: 306605
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069512.D
Acq: 22 Jun 2021 13:22

Tgt Ion: 114 Resp: 848939
Ion Ratio Lower Upper
114 100
63 21.7 0.0 39.6
88 16.8 0.0 29.8





#35

Dibromofluoromethane

Concen: 53.437 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069512.D

Acq: 22 Jun 2021 13:22

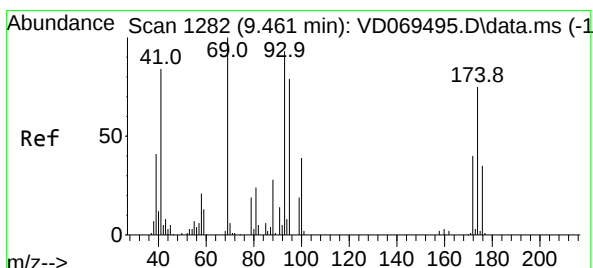
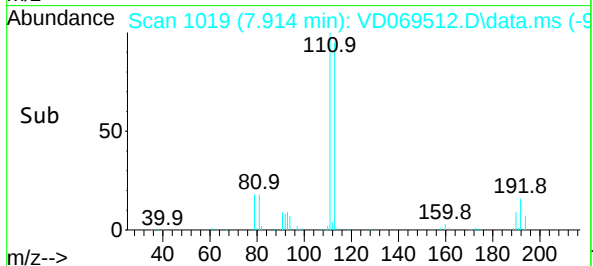
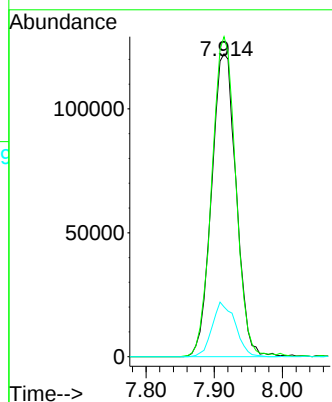
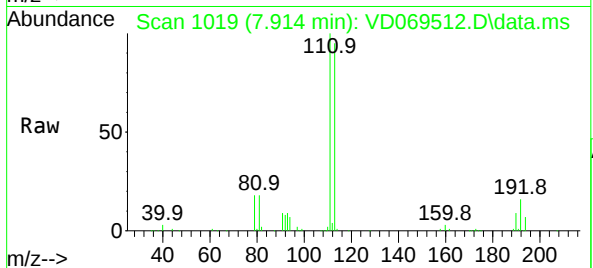
Tgt Ion:113 Resp: 306655

Ion Ratio Lower Upper

113 100

111 103.4 81.8 122.8

192 17.0 13.8 20.6



#49

1,4-Dioxane

Concen: 4.338 ug/l

RT: 9.473 min Scan# 1284

Delta R.T. 0.012 min

Lab File: VD069512.D

Acq: 22 Jun 2021 13:22

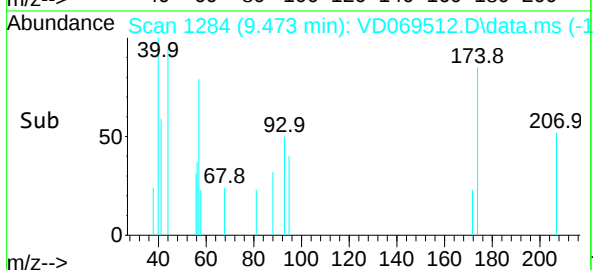
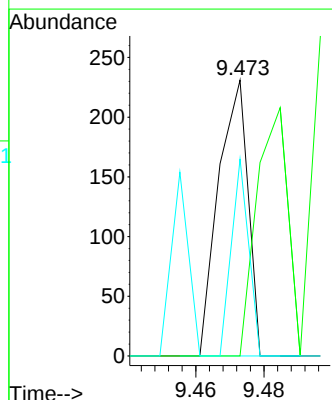
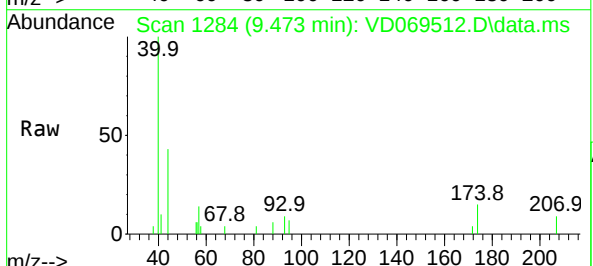
Tgt Ion: 88 Resp: 138

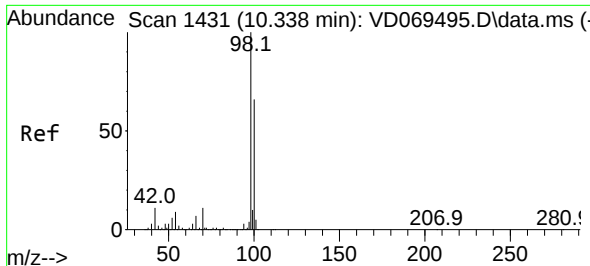
Ion Ratio Lower Upper

88 100

43 94.9 26.5 39.7#

58 42.0 56.0 84.0#

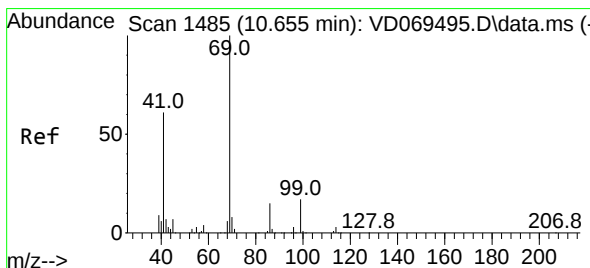
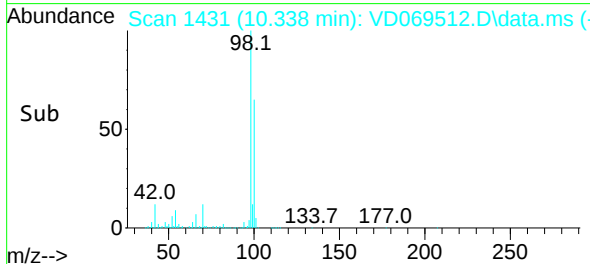
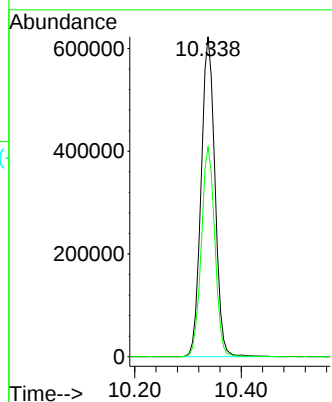
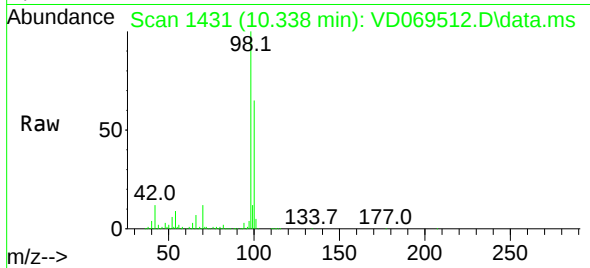




#50
Toluene-d8
Concen: 52.093 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069512.D
Acq: 22 Jun 2021 13:22

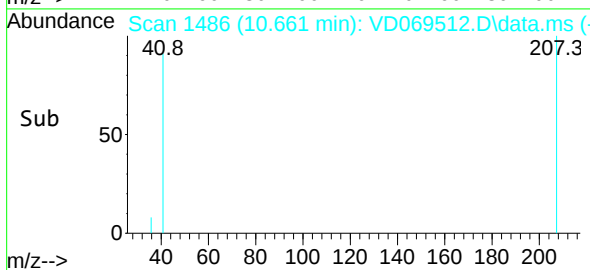
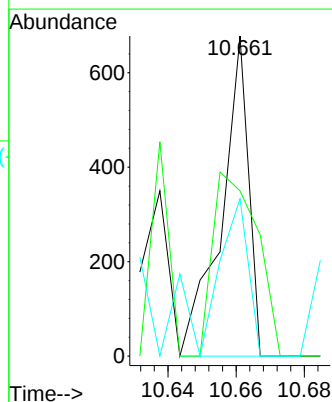
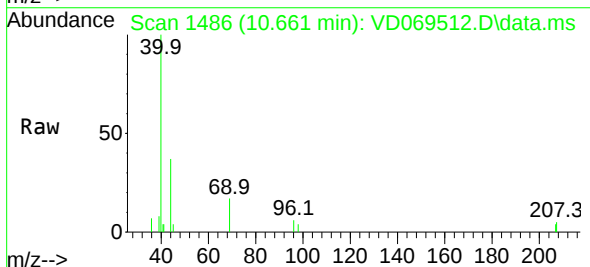
Instrument :
MSVOA_D
ClientSampled :

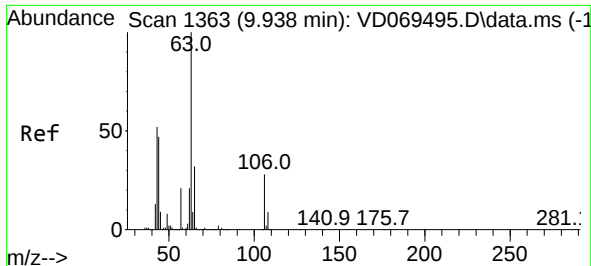
Tgt Ion: 98 Resp: 1121313
Ion Ratio Lower Upper
98 100
100 64.3 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.647 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD069512.D
Acq: 22 Jun 2021 13:22

Tgt Ion: 69 Resp: 374
Ion Ratio Lower Upper
69 100
41 94.1 49.4 74.0#
39 50.5 26.9 40.3#

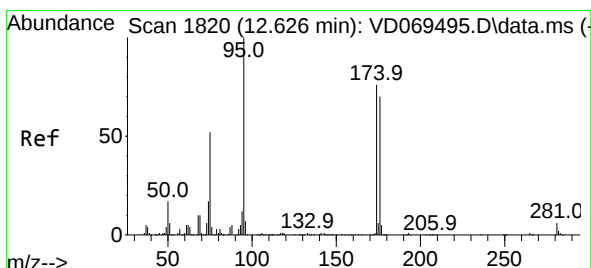
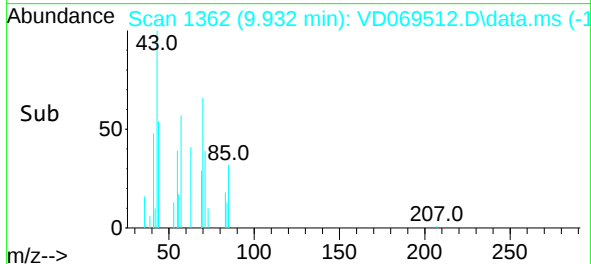
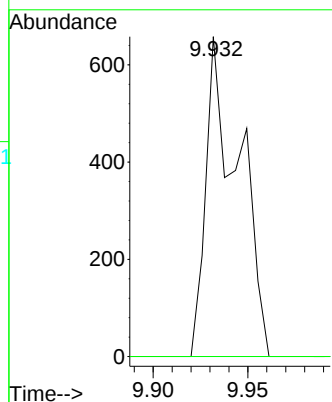
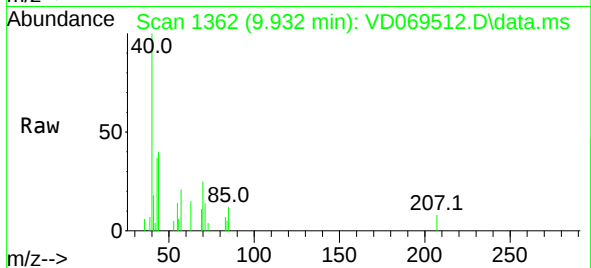




#58
2-Chloroethyl Vinyl ether
Concen: 10.870 ug/l
RT: 9.932 min Scan# 1362
Delta R.T. -0.006 min
Lab File: VD069512.D
Acq: 22 Jun 2021 13:22

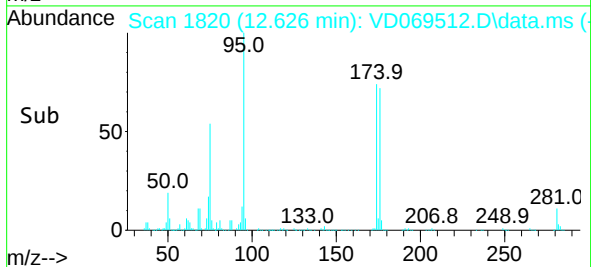
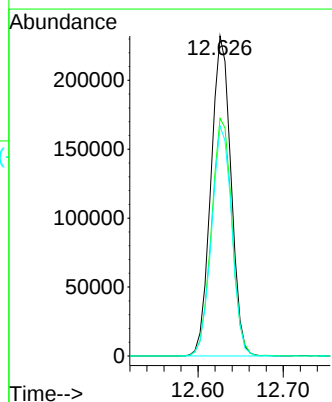
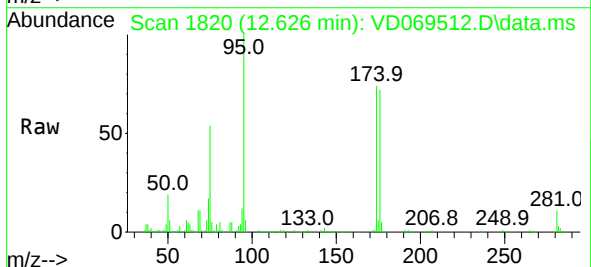
Instrument :
MSVOA_D
ClientSampleId :

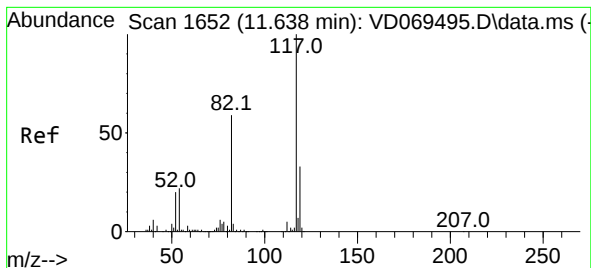
Tgt Ion: 63 Resp: 791
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#



#62
4-Bromofluorobenzene
Concen: 53.577 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069512.D
Acq: 22 Jun 2021 13:22

Tgt Ion: 95 Resp: 379143
Ion Ratio Lower Upper
95 100
174 75.9 0.0 148.0
176 72.5 0.0 139.8

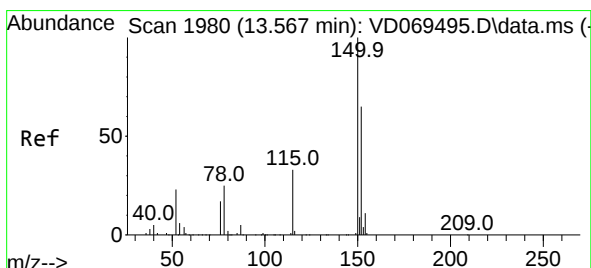
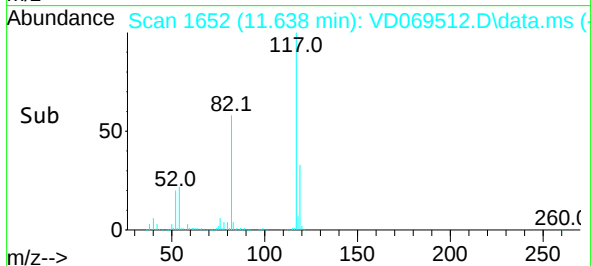
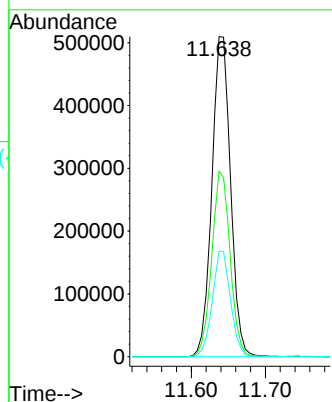
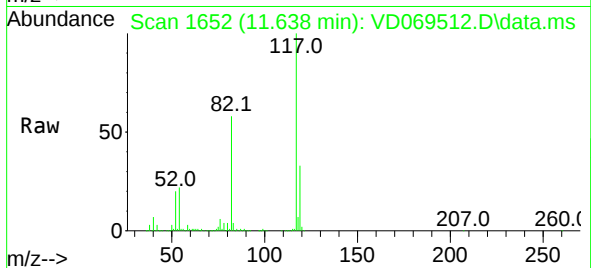




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069512.D
Acq: 22 Jun 2021 13:22

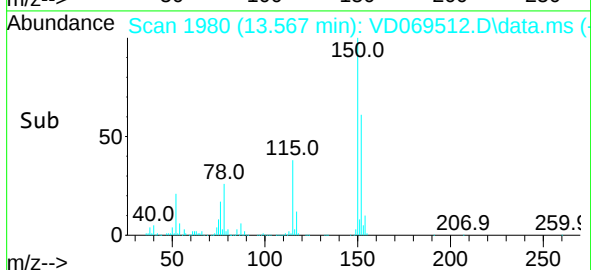
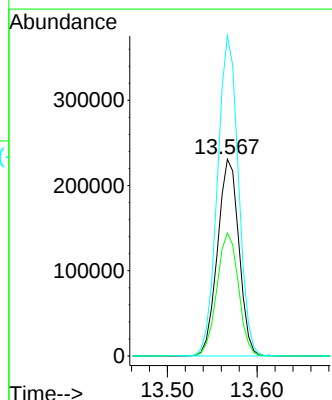
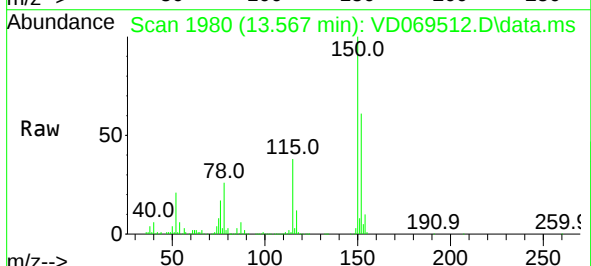
Instrument :
MSVOA_D
ClientSampleId :

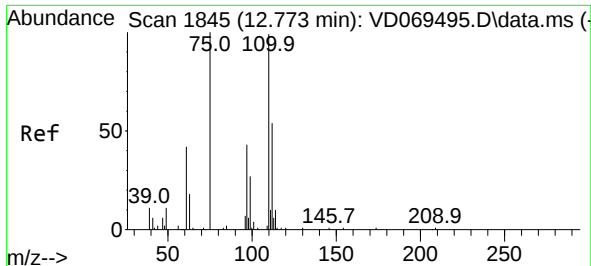
Tgt Ion:117 Resp: 891713
Ion Ratio Lower Upper
117 100
82 57.9 46.8 70.2
119 33.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069512.D
Acq: 22 Jun 2021 13:22

Tgt Ion:152 Resp: 381305
Ion Ratio Lower Upper
152 100
115 62.8 31.7 95.1
150 160.2 0.0 350.8

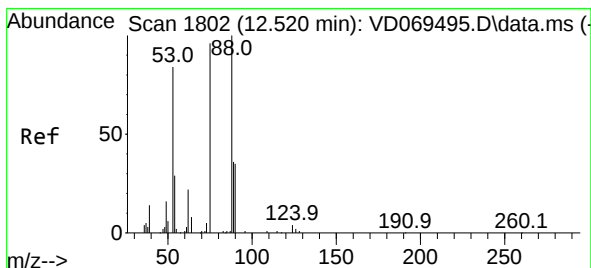
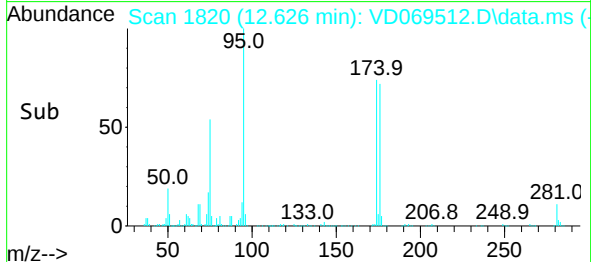
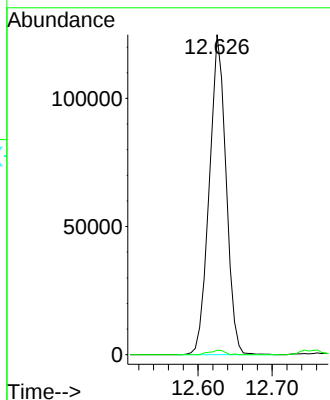
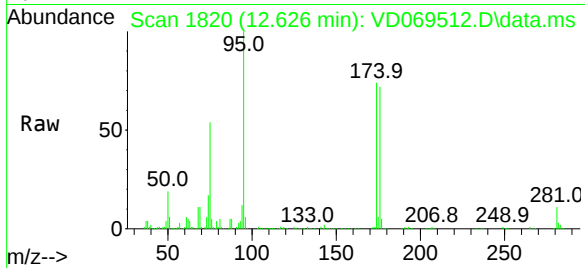




#76
1,2,3-Trichloropropane
Concen: 52.315 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069512.D
Acq: 22 Jun 2021 13:22

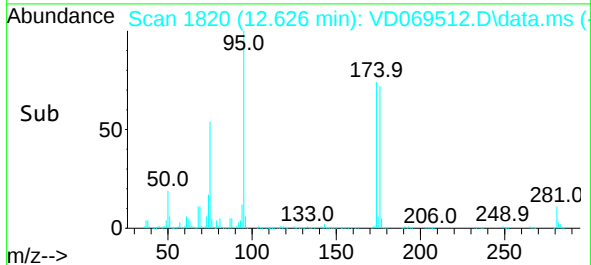
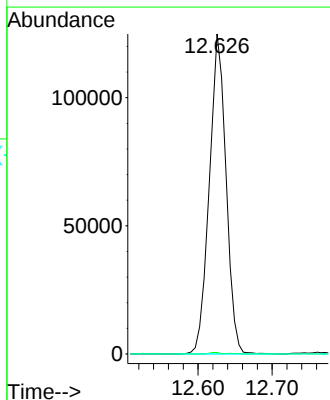
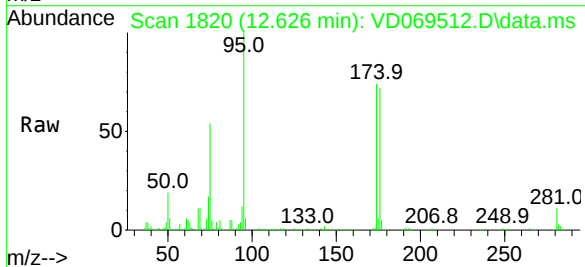
Instrument :
MSVOA_D
ClientSampleId :

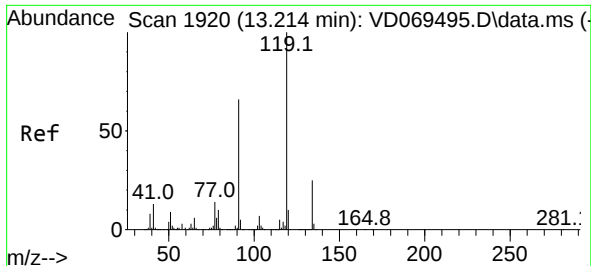
Tgt Ion: 75 Resp: 195816
Ion Ratio Lower Upper
75 100
77 1.3 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.624 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069512.D
Acq: 22 Jun 2021 13:22

Tgt Ion: 75 Resp: 195816
Ion Ratio Lower Upper
75 100
53 0.3 74.6 112.0#
89 0.0 35.3 52.9#

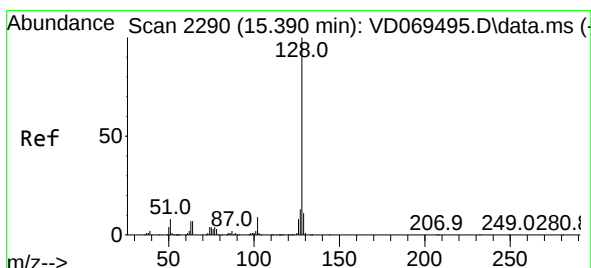
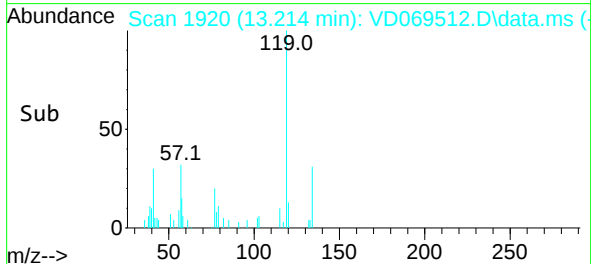
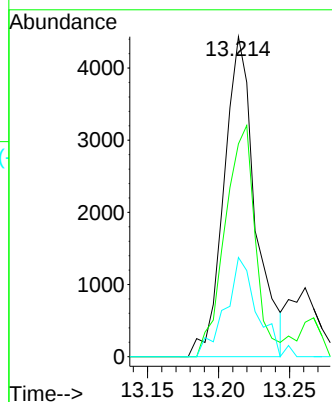
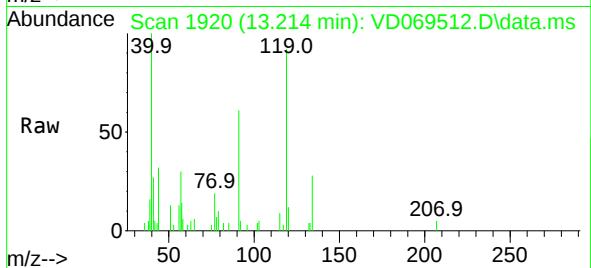




#83
tert-Butylbenzene
Concen: 2.323 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. -0.000 min
Lab File: VD069512.D
Acq: 22 Jun 2021 13:22

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:119 Resp: 6814
Ion Ratio Lower Upper
119 100
91 69.7 32.5 97.4
134 31.2 12.9 38.7



#95
Naphthalene
Concen: 3.699 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069512.D
Acq: 22 Jun 2021 13:22

Tgt Ion:128 Resp: 4384
Ion Ratio Lower Upper
128 100
127 17.6 10.6 16.0#
129 3.4 8.7 13.1#

