

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070821\
 Data File : VD069626.D
 Acq On : 08 Jul 2021 13:45
 Operator : VA/SY
 Sample : M2963-01RE
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 09 01:02:25 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	322806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	616375	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	705236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	321644	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	251750	62.566	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.140%	
35) Dibromofluoromethane	7.914	113	227816	54.677	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.360%	
50) Toluene-d8	10.337	98	825378	52.812	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.620%	
62) 4-Bromofluorobenzene	12.626	95	319127	62.112	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 124.220%	

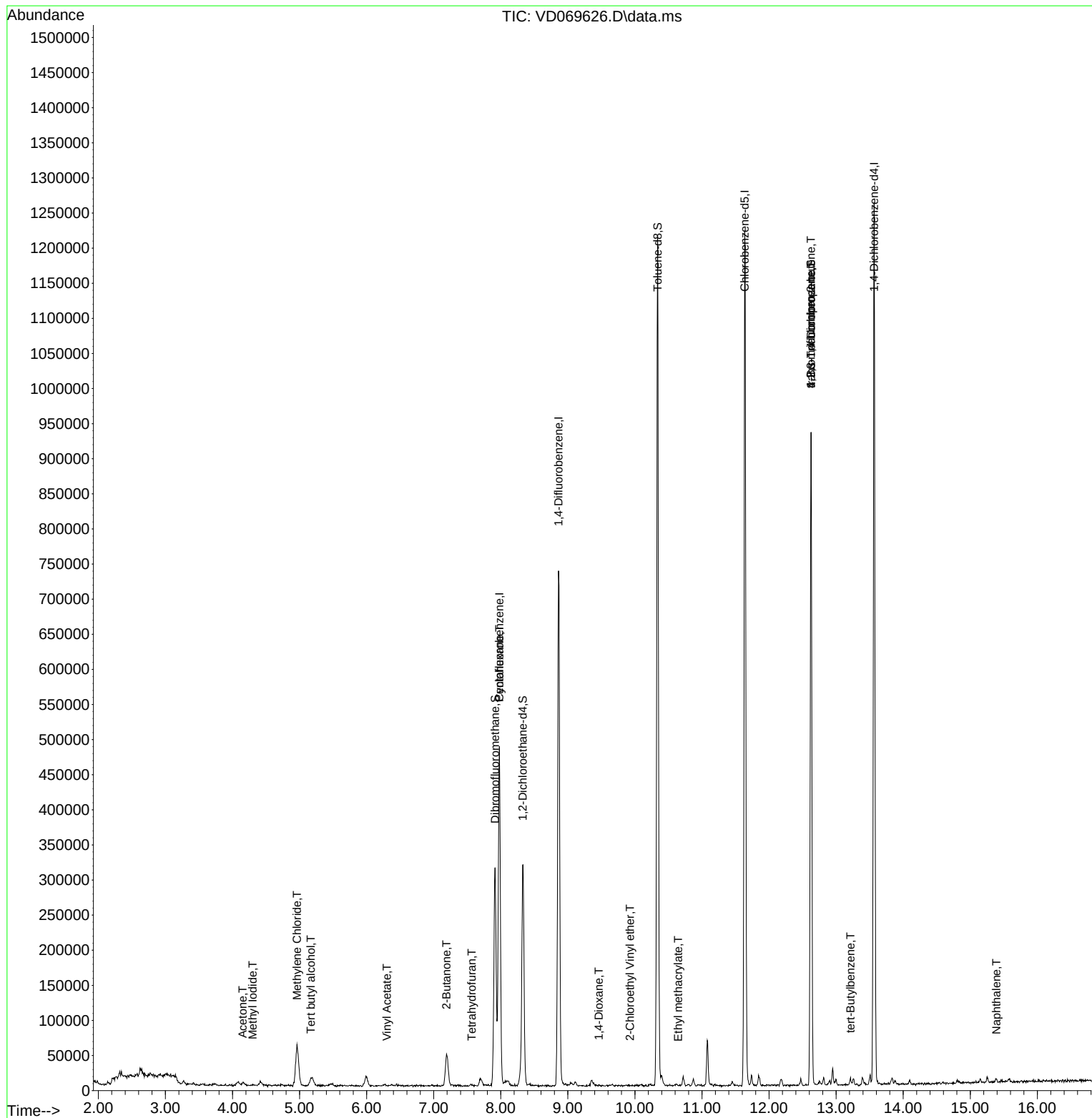
Target Compounds			Qvalue			
5) Bromomethane	2.785	94	3307	Below Cal	#	49
10) Methyl Iodide	4.302	142	1922	4.464	ug/l #	88
11) Tert butyl alcohol	5.167	59	11791	14.954	ug/l #	85
16) Acetone	4.150	43	8011	11.829	ug/l #	83
18) Methyl Acetate	4.720	43	179	Below Cal	#	49
20) Methylene Chloride	4.961	84	44904	4.627	ug/l	95
23) Vinyl Acetate	6.302	43	846	19.147	ug/l #	70
25) 2-Butanone	7.191	43	2553	2.967	ug/l #	89
29) Tetrahydrofuran	7.567	42	546	1.157	ug/l #	31
31) Cyclohexane	7.979	56	10295	1.900	ug/l #	7
49) 1,4-Dioxane	9.461	88	85	3.680	ug/l #	23
56) Ethyl methacrylate	10.643	69	155	2.619	ug/l #	12
58) 2-Chloroethyl Vinyl ether	9.926	63	190	10.689	ug/l #	47
76) 1,2,3-Trichloropropane	12.626	75	158168	50.095	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	158168	125.081	ug/l #	13
83) tert-Butylbenzene	13.214	119	3886	2.216	ug/l	86
95) Naphthalene	15.390	128	3721	3.701	ug/l #	82

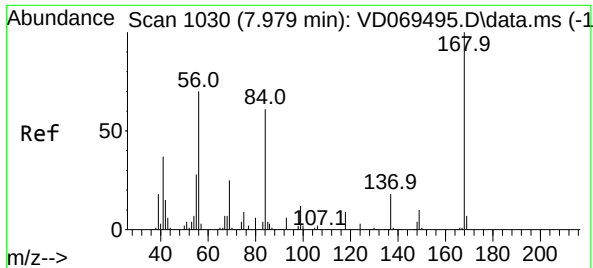
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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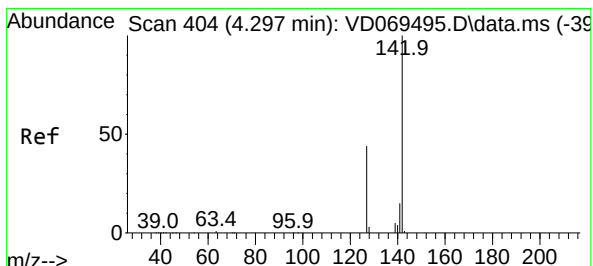
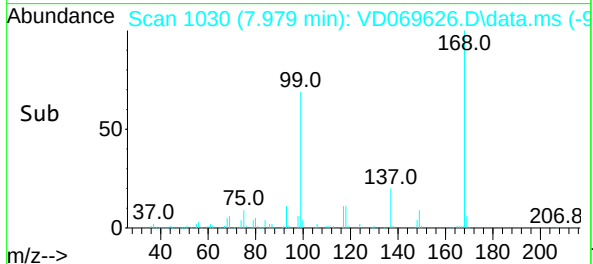
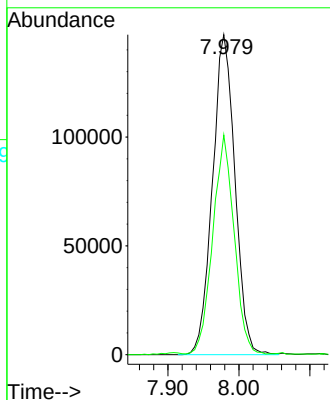
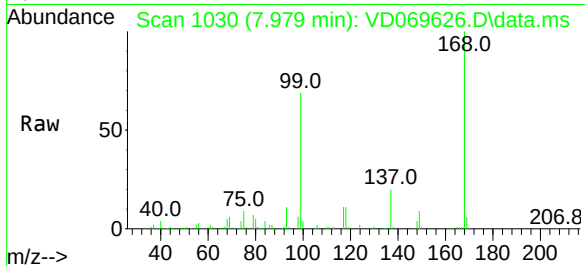




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069626.D
Acq: 08 Jul 2021 13:45

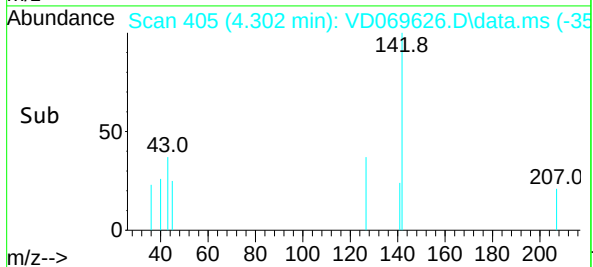
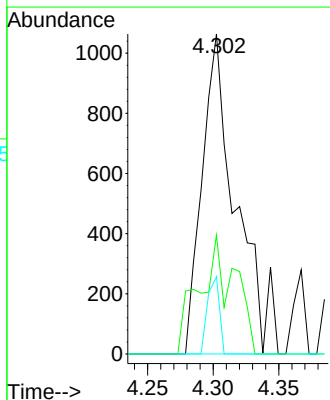
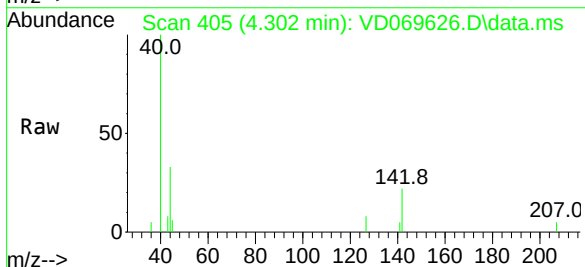
Instrument :
MSVOA_D
ClientSampled :

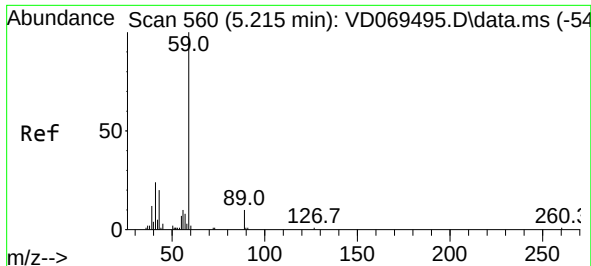
Tgt Ion:168 Resp: 322806
Ion Ratio Lower Upper
168 100
99 68.2 49.3 73.9



#10
Methyl Iodide
Concen: 4.464 ug/l
RT: 4.302 min Scan# 405
Delta R.T. 0.005 min
Lab File: VD069626.D
Acq: 08 Jul 2021 13:45

Tgt Ion:142 Resp: 1922
Ion Ratio Lower Upper
142 100
127 38.5 36.5 54.7
141 8.4 12.0 18.0#

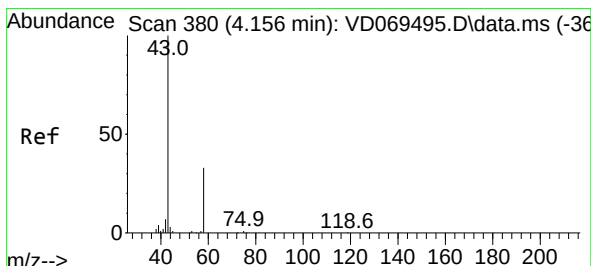
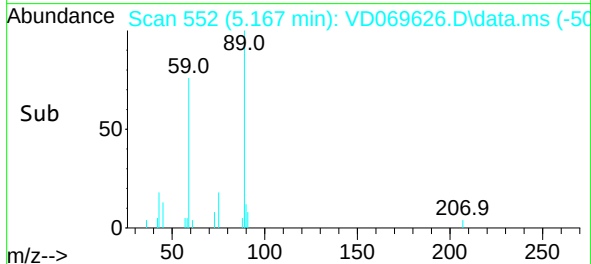
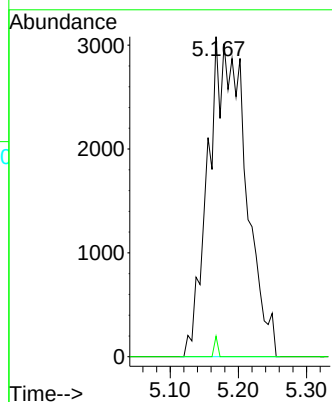
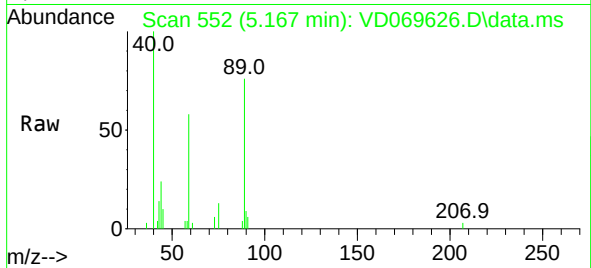




#11
Tert butyl alcohol
Concen: 14.954 ug/l
RT: 5.167 min Scan# 552
Delta R.T. -0.048 min
Lab File: VD069626.D
Acq: 08 Jul 2021 13:45

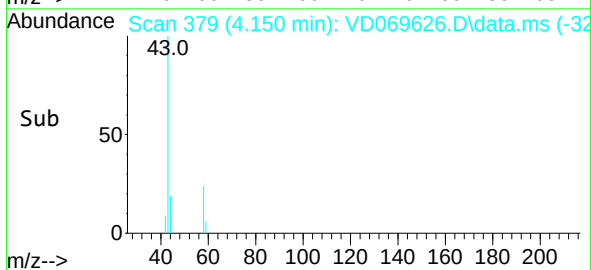
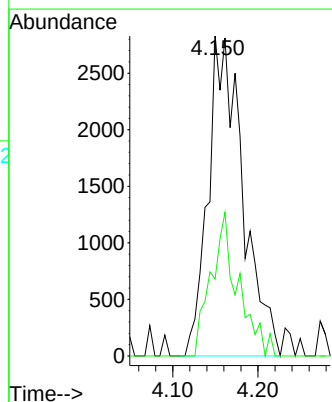
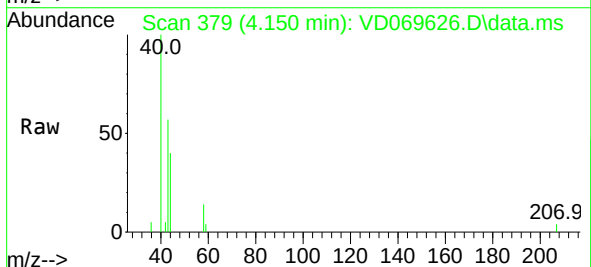
Instrument :
MSVOA_D
ClientSampled :

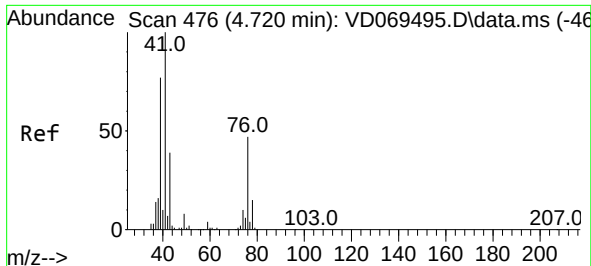
Tgt Ion: 59 Resp: 11791
Ion Ratio Lower Upper
59 100
57 0.6 4.6 7.0#



#16
Acetone
Concen: 11.829 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD069626.D
Acq: 08 Jul 2021 13:45

Tgt Ion: 43 Resp: 8011
Ion Ratio Lower Upper
43 100
58 24.0 26.8 40.2#

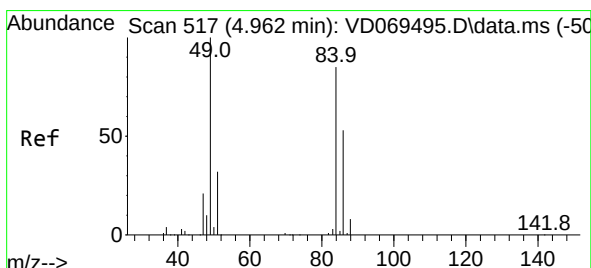
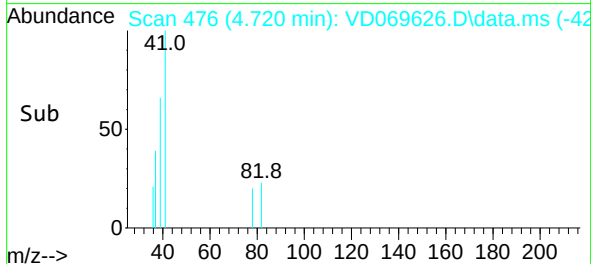
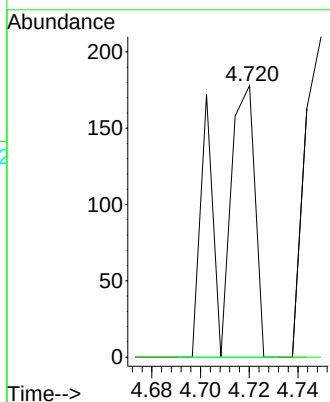
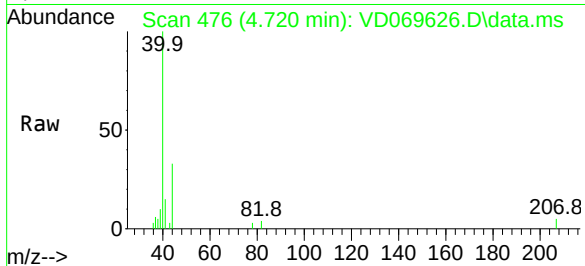




#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 476
Delta R.T. 0.000 min
Lab File: VD069626.D
Acq: 08 Jul 2021 13:45

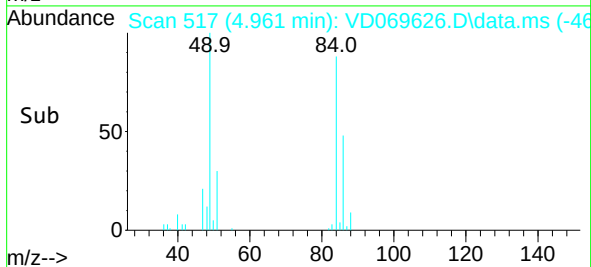
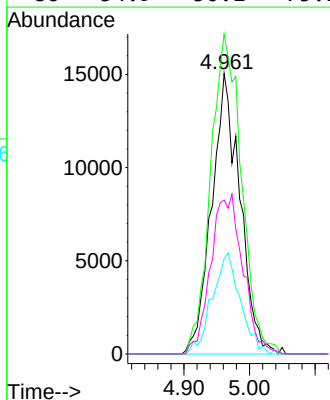
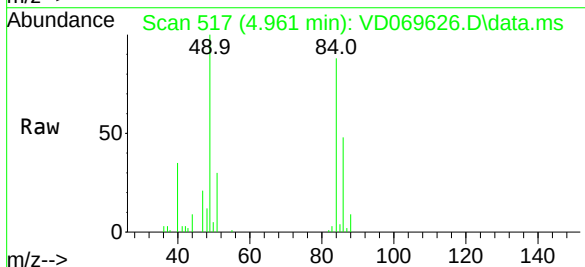
Instrument :
MSVOA_D
ClientSampled :

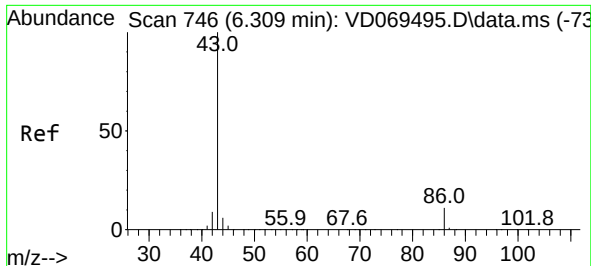
Tgt Ion: 43 Resp: 179
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



#20
Methylene Chloride
Concen: 4.627 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD069626.D
Acq: 08 Jul 2021 13:45

Tgt Ion: 84 Resp: 44904
Ion Ratio Lower Upper
84 100
49 114.1 94.0 141.0
51 34.0 29.7 44.5
86 54.9 50.1 75.1

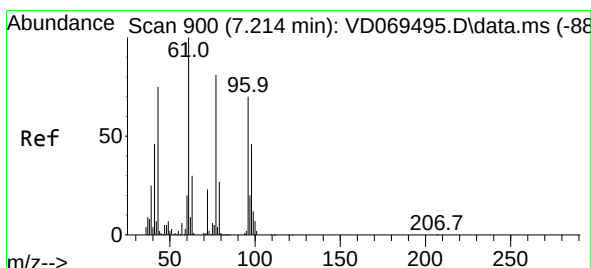
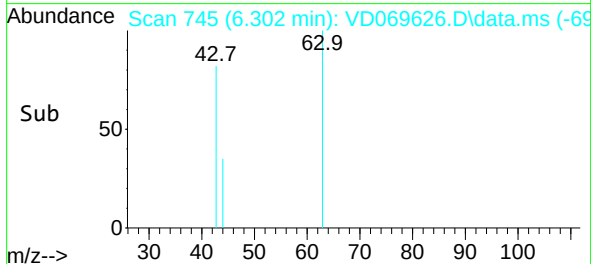
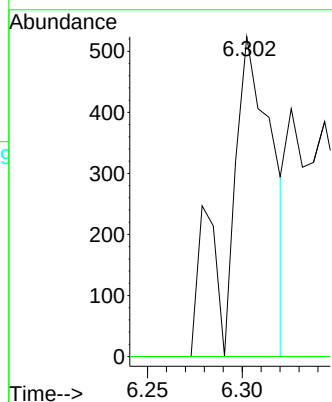
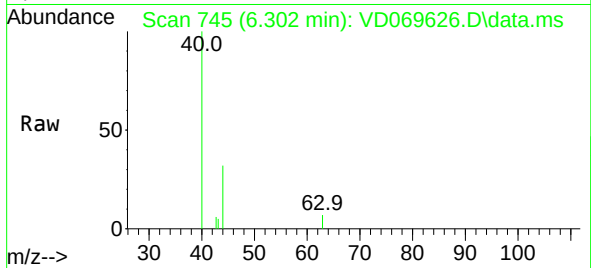




#23
 Vinyl Acetate
 Concen: 19.147 ug/l
 RT: 6.302 min Scan# 745
 Delta R.T. -0.007 min
 Lab File: VD069626.D
 Acq: 08 Jul 2021 13:45

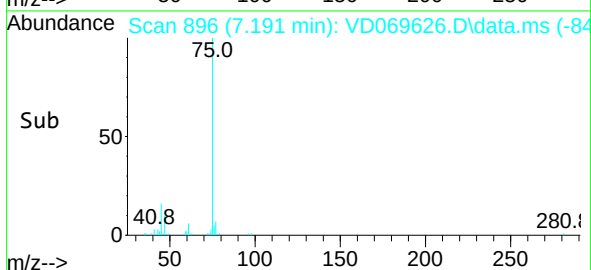
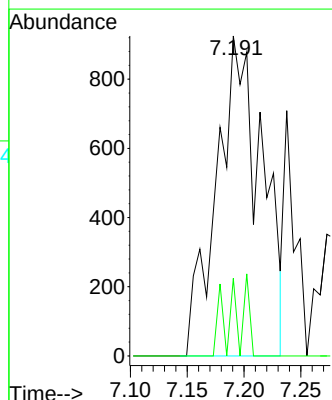
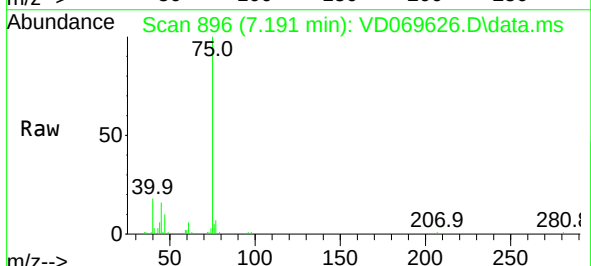
Instrument :
 MSVOA_D
 ClientSampled :

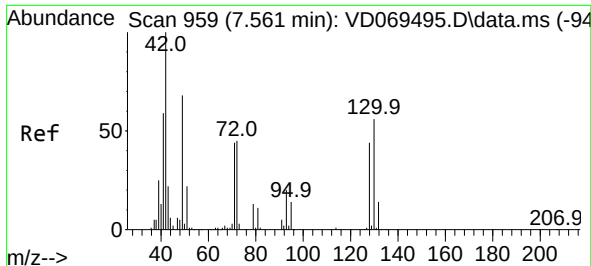
Tgt Ion: 43 Resp: 846
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#25
 2-Butanone
 Concen: 2.967 ug/l
 RT: 7.191 min Scan# 896
 Delta R.T. -0.024 min
 Lab File: VD069626.D
 Acq: 08 Jul 2021 13:45

Tgt Ion: 43 Resp: 2553
 Ion Ratio Lower Upper
 43 100
 72 24.2 24.3 36.5#





#29

Tetrahydrofuran

Concen: 1.157 ug/l

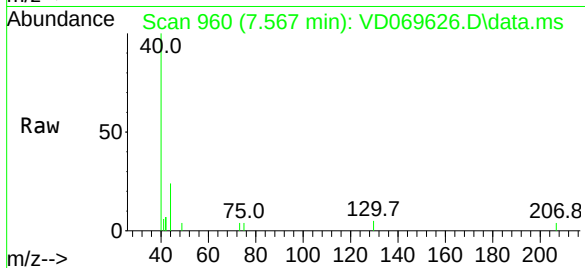
RT: 7.567 min Scan# 960

Delta R.T. 0.006 min

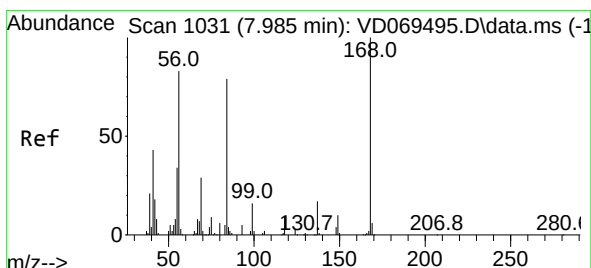
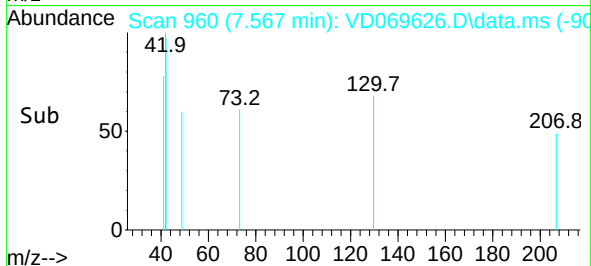
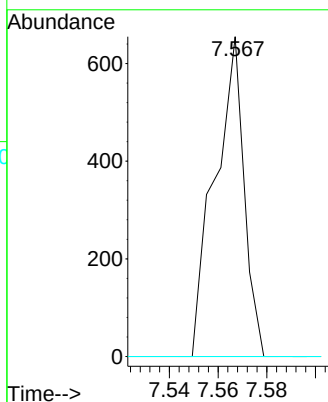
Lab File: VD069626.D

Acq: 08 Jul 2021 13:45

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion: 42	Resp: 546
Ion Ratio	Lower Upper
42	100
72	0.0 37.9 56.9#
71	0.0 35.1 52.7#



#31

Cyclohexane

Concen: 1.900 ug/l

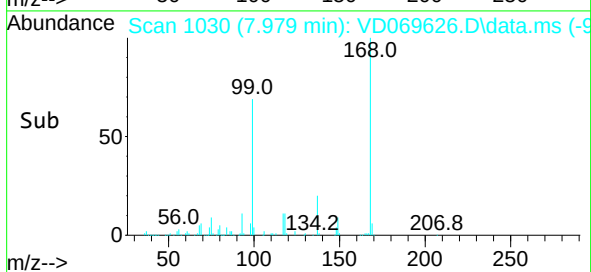
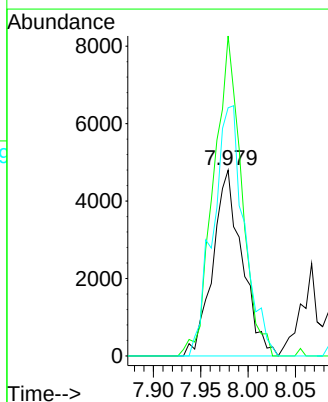
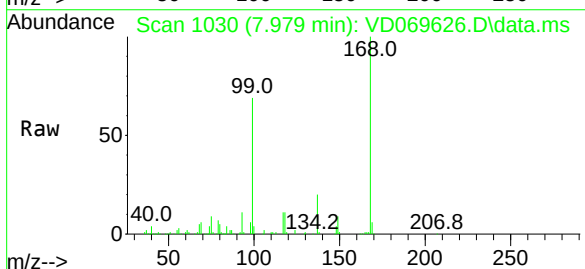
RT: 7.979 min Scan# 1030

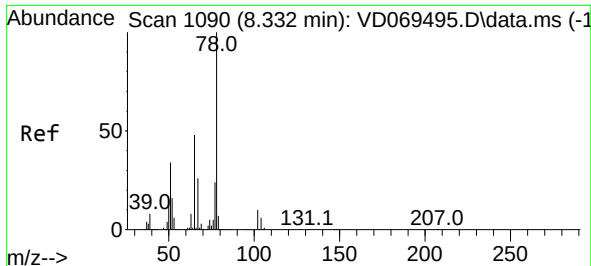
Delta R.T. -0.006 min

Lab File: VD069626.D

Acq: 08 Jul 2021 13:45

Tgt Ion: 56	Resp: 10295
Ion Ratio	Lower Upper
56	100
69	172.3 28.0 42.0#
84	133.6 75.7 113.5#

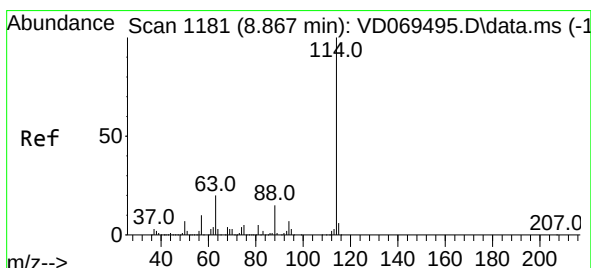
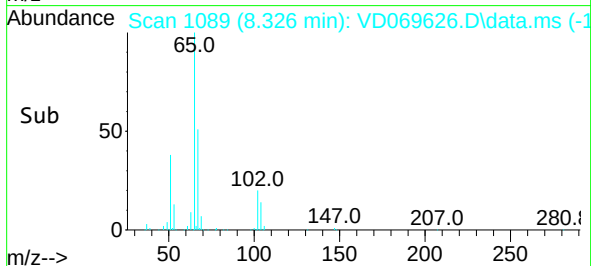
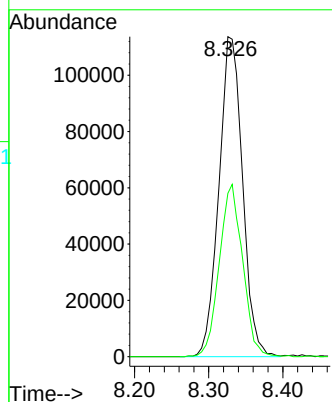
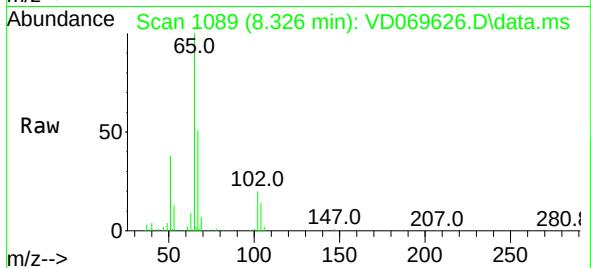




#33
 1,2-Dichloroethane-d4
 Concen: 62.566 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. -0.006 min
 Lab File: VD069626.D
 Acq: 08 Jul 2021 13:45

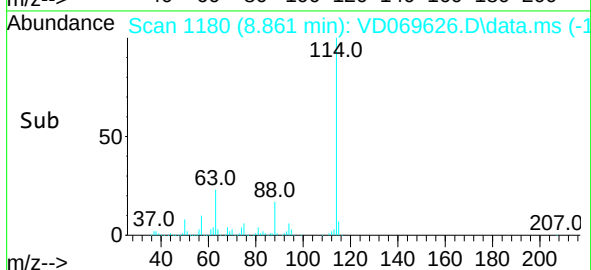
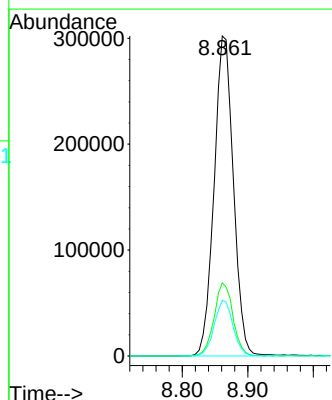
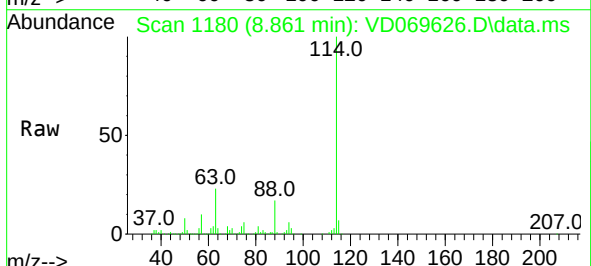
Instrument :
 MSVOA_D
 ClientSampled :

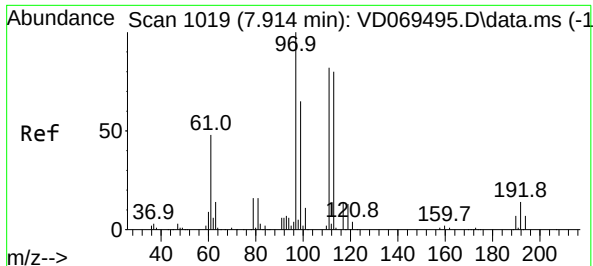
Tgt Ion: 65 Resp: 251750
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.861 min Scan# 1180
 Delta R.T. -0.006 min
 Lab File: VD069626.D
 Acq: 08 Jul 2021 13:45

Tgt Ion: 114 Resp: 616375
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 39.6
 88 17.4 0.0 29.8





#35

Dibromofluoromethane

Concen: 54.677 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069626.D

Acq: 08 Jul 2021 13:45

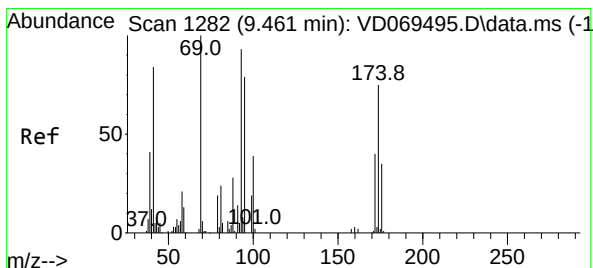
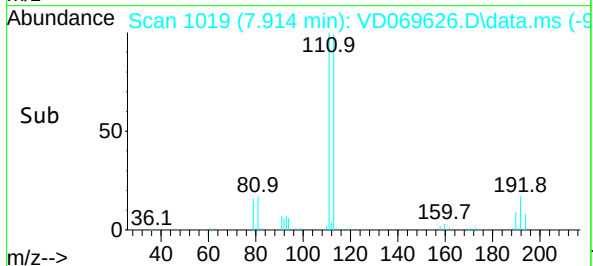
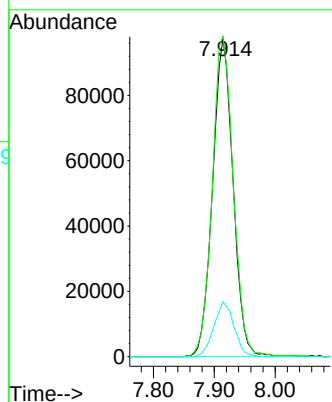
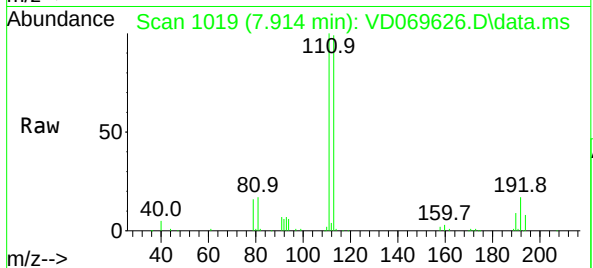
Tgt Ion:113 Resp: 227816

Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.8

192 16.9 13.8 20.6



#49

1,4-Dioxane

Concen: 3.680 ug/l

RT: 9.461 min Scan# 1282

Delta R.T. -0.000 min

Lab File: VD069626.D

Acq: 08 Jul 2021 13:45

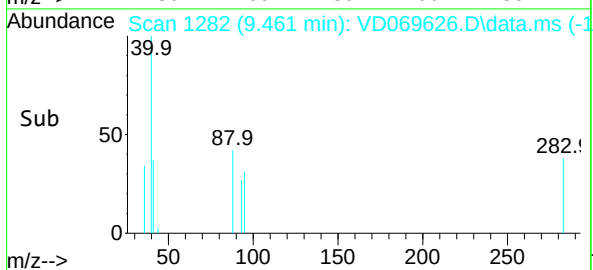
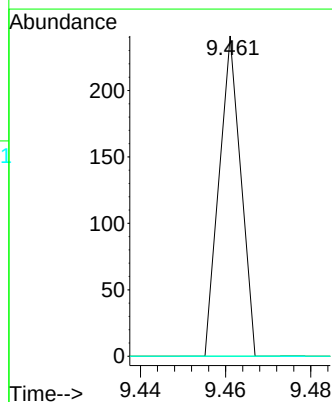
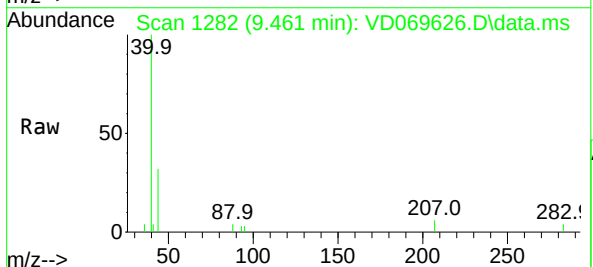
Tgt Ion: 88 Resp: 85

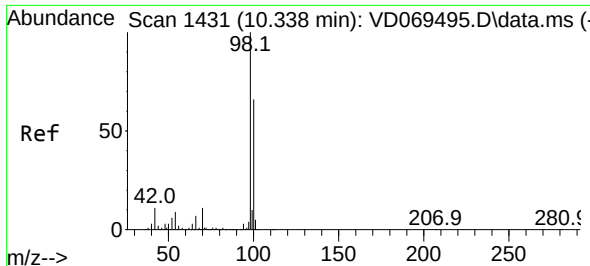
Ion Ratio Lower Upper

88 100

43 0.0 26.5 39.7#

58 0.0 56.0 84.0#

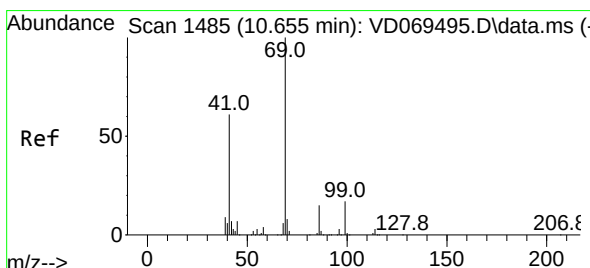
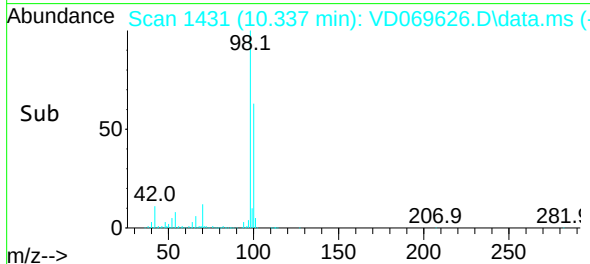
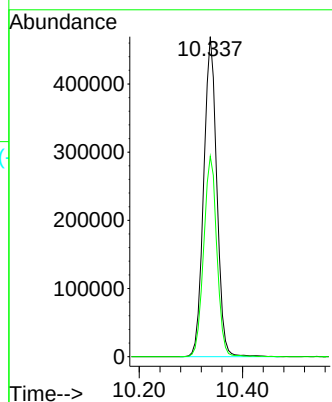
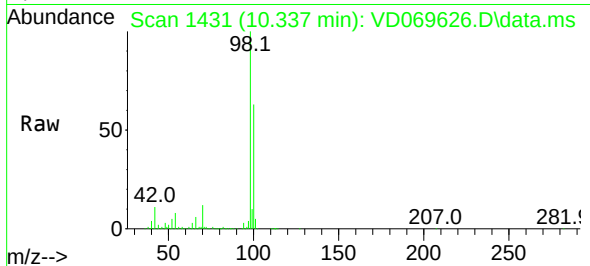




#50
Toluene-d8
Concen: 52.812 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069626.D
Acq: 08 Jul 2021 13:45

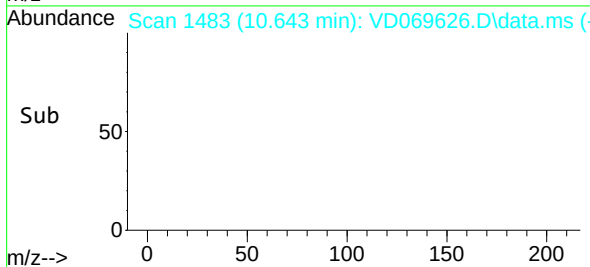
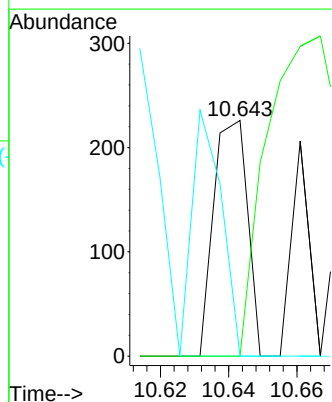
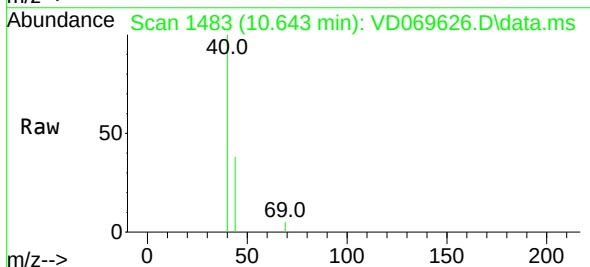
Instrument :
MSVOA_D
ClientSampled :

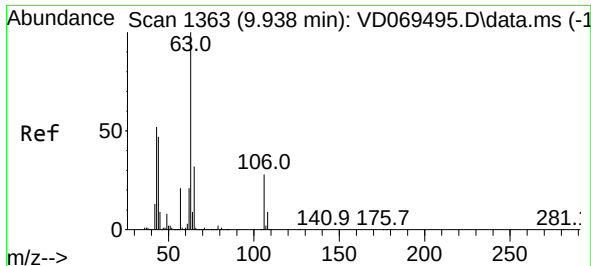
Tgt Ion: 98 Resp: 825378
Ion Ratio Lower Upper
98 100
100 63.0 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.619 ug/l
RT: 10.643 min Scan# 1483
Delta R.T. -0.012 min
Lab File: VD069626.D
Acq: 08 Jul 2021 13:45

Tgt Ion: 69 Resp: 155
Ion Ratio Lower Upper
69 100
41 0.0 49.4 74.0#
39 91.6 26.9 40.3#

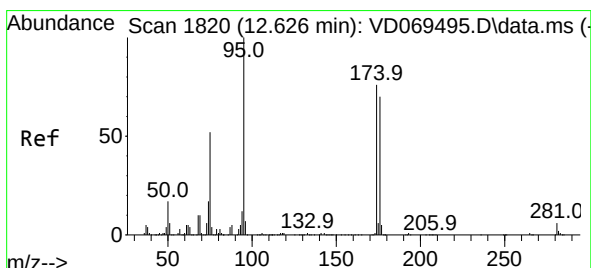
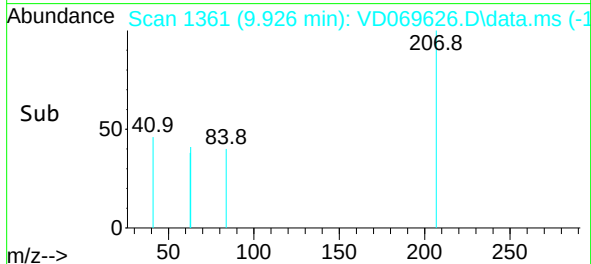
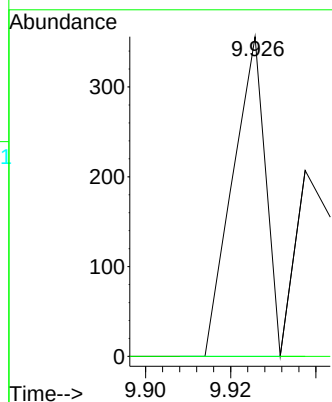
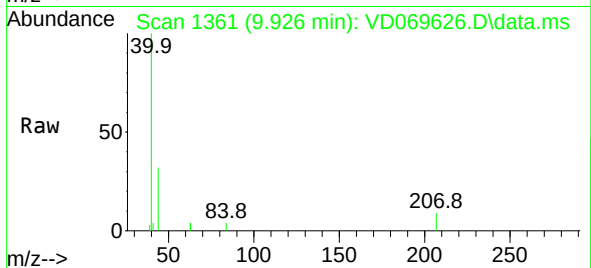




#58
2-Chloroethyl Vinyl ether
Concen: 10.689 ug/l
RT: 9.926 min Scan# 1361
Delta R.T. -0.012 min
Lab File: VD069626.D
Acq: 08 Jul 2021 13:45

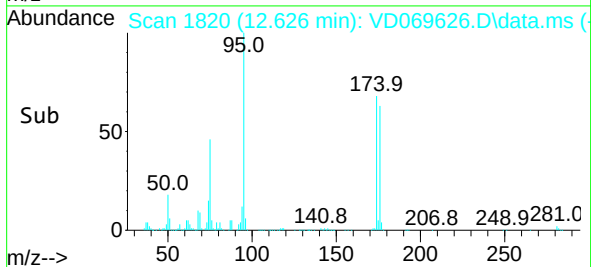
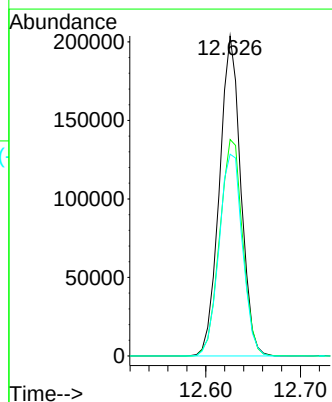
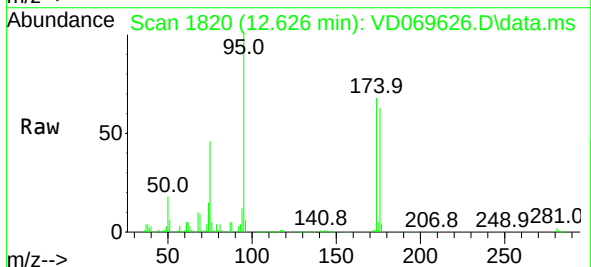
Instrument :
MSVOA_D
ClientSampled :

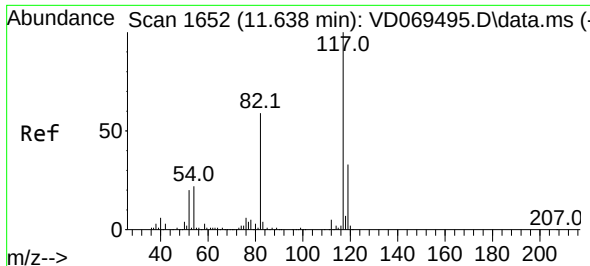
Tgt Ion: 63 Resp: 190
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#



#62
4-Bromofluorobenzene
Concen: 62.112 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069626.D
Acq: 08 Jul 2021 13:45

Tgt Ion: 95 Resp: 319127
Ion Ratio Lower Upper
95 100
174 72.8 0.0 148.0
176 69.2 0.0 139.8

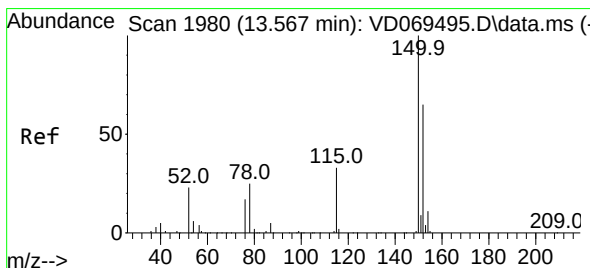
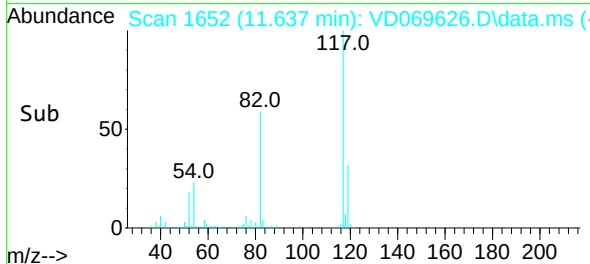
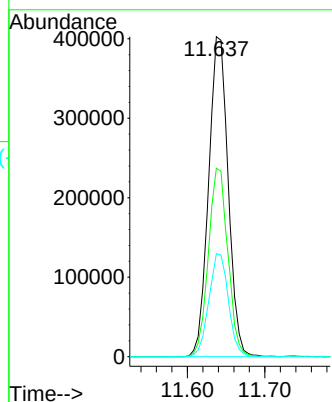
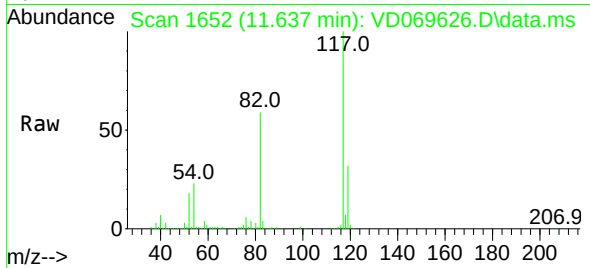




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069626.D
Acq: 08 Jul 2021 13:45

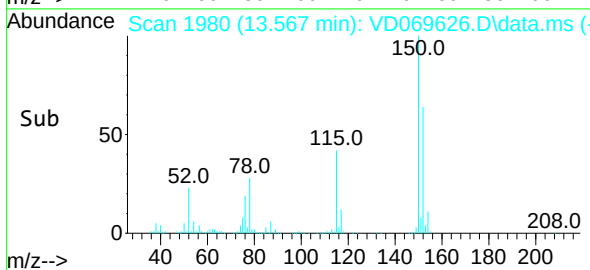
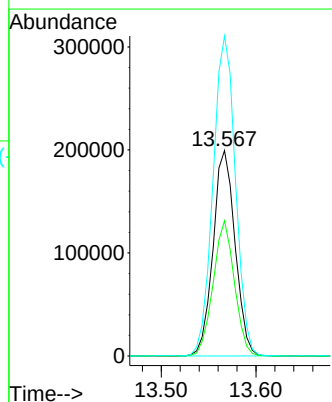
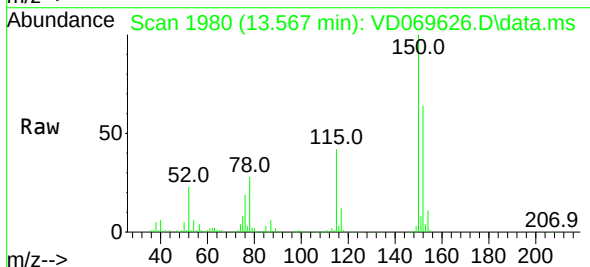
Instrument :
MSVOA_D
ClientSampleId :

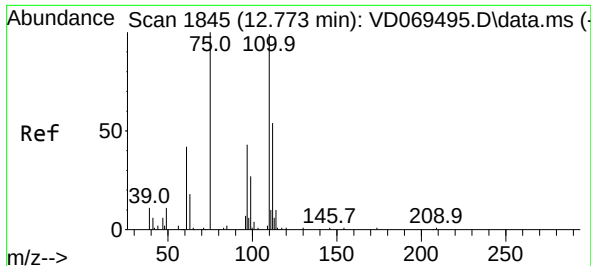
Tgt Ion:117 Resp: 705236
Ion Ratio Lower Upper
117 100
82 58.9 46.8 70.2
119 32.2 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069626.D
Acq: 08 Jul 2021 13:45

Tgt Ion:152 Resp: 321644
Ion Ratio Lower Upper
152 100
115 63.7 31.7 95.1
150 158.8 0.0 350.8

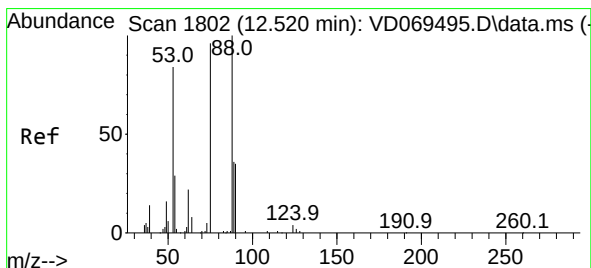
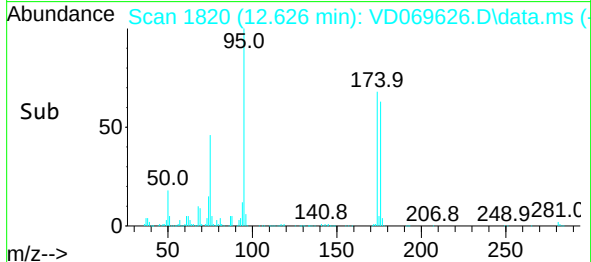
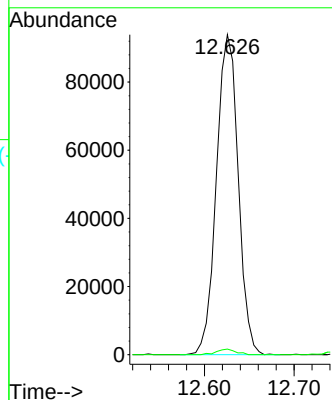
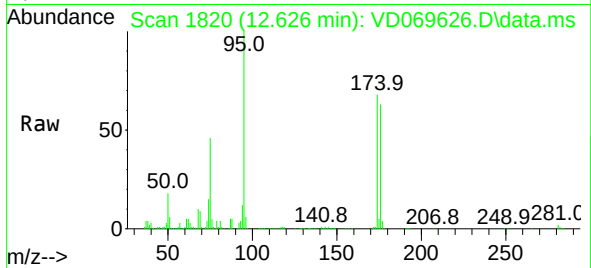




#76
1,2,3-Trichloropropane
Concen: 50.095 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069626.D
Acq: 08 Jul 2021 13:45

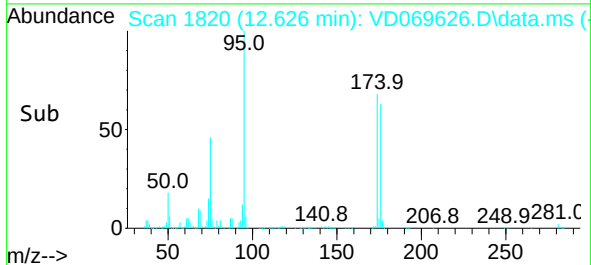
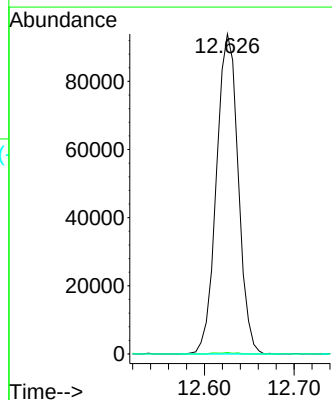
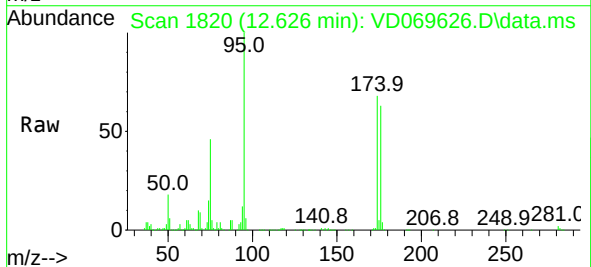
Instrument :
MSVOA_D
ClientSampleId :

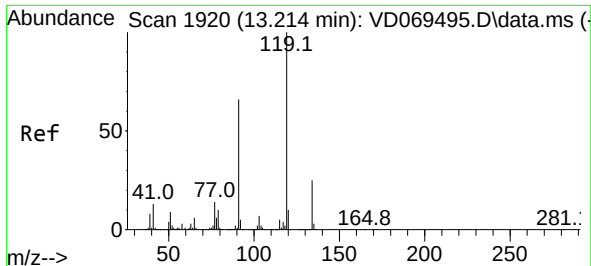
Tgt Ion: 75 Resp: 158168
Ion Ratio Lower Upper
75 100
77 1.5 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.081 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069626.D
Acq: 08 Jul 2021 13:45

Tgt Ion: 75 Resp: 158168
Ion Ratio Lower Upper
75 100
53 0.4 74.6 112.0#
89 0.0 35.3 52.9#

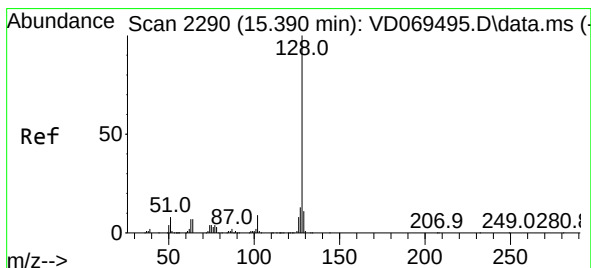
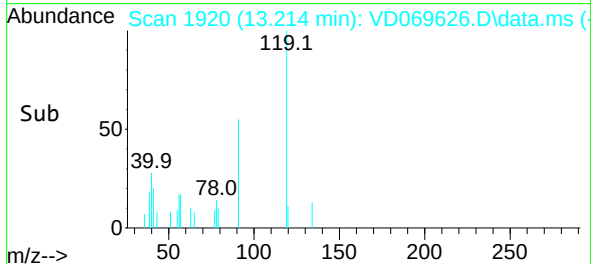
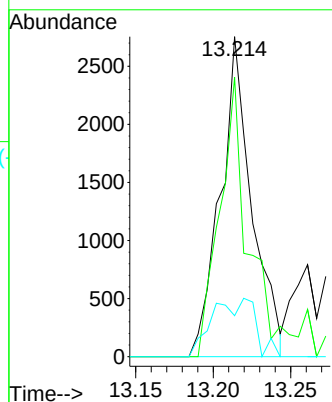
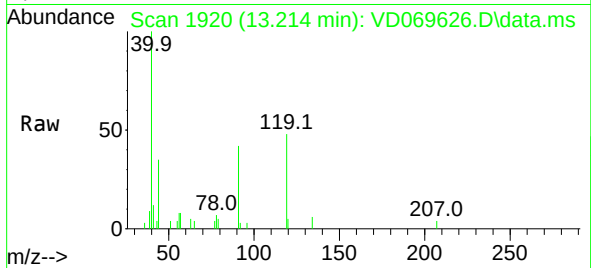




#83
tert-Butylbenzene
Concen: 2.216 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. -0.000 min
Lab File: VD069626.D
Acq: 08 Jul 2021 13:45

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:119 Resp: 3886
Ion Ratio Lower Upper
119 100
91 80.0 32.5 97.4
134 25.1 12.9 38.7



#95
Naphthalene
Concen: 3.701 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069626.D
Acq: 08 Jul 2021 13:45

Tgt Ion:128 Resp: 3721
Ion Ratio Lower Upper
128 100
127 1.5 10.6 16.0#
129 12.6 8.7 13.1

