

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070921\
 Data File : VD069653.D
 Acq On : 09 Jul 2021 18:26
 Operator : VA/SY
 Sample : M2990-13
 Misc : 3.96G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-J

Quant Time: Jul 10 02:56:31 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)

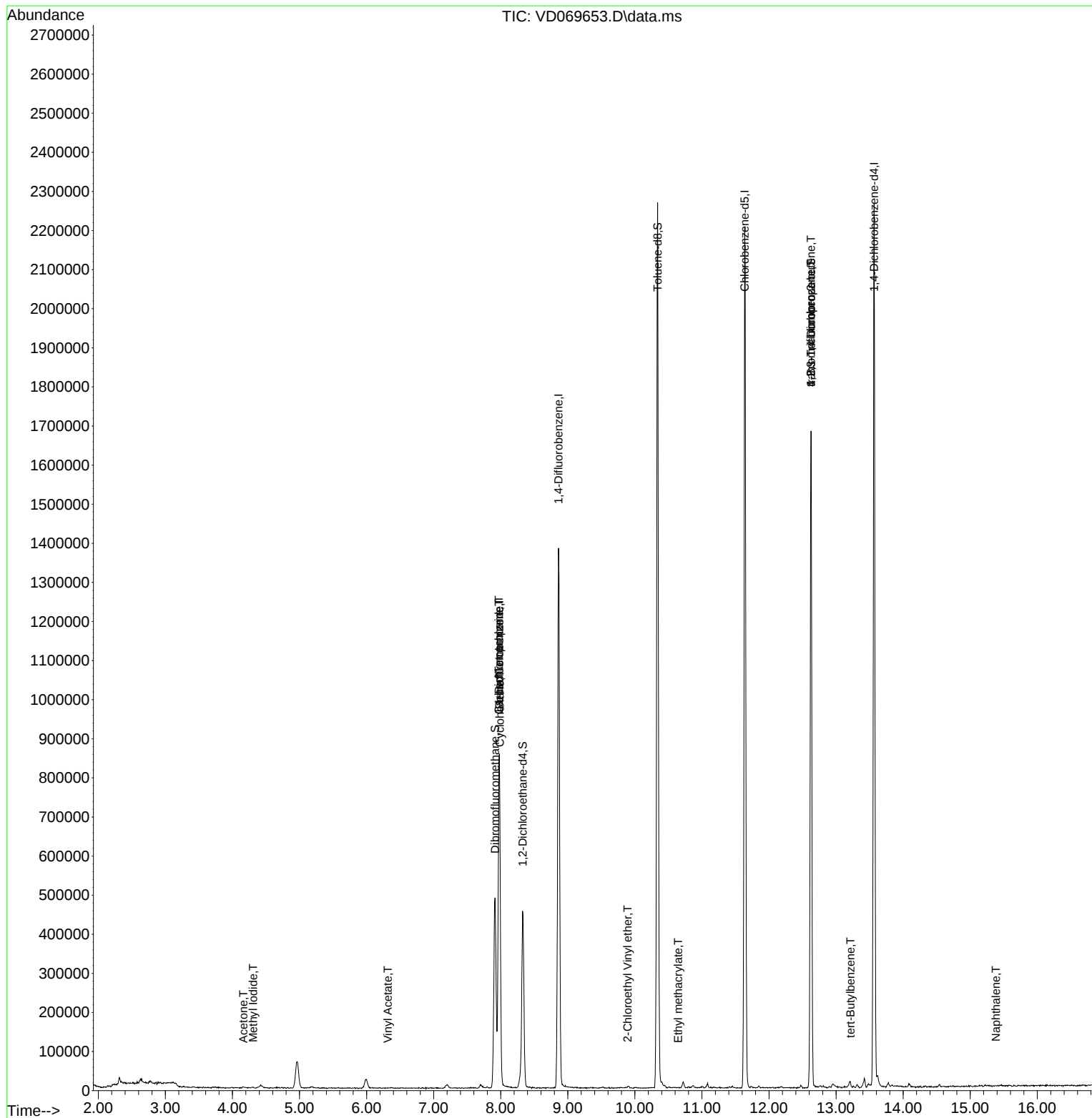
Internal Standards						
1) Pentafluorobenzene	7.979	168	595955	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1158109	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1266875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	583492	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	352939	47.512	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.020%		
35) Dibromofluoromethane	7.914	113	364397	46.547	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.100%		
50) Toluene-d8	10.338	98	1530279	52.113	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.220%		
62) 4-Bromofluorobenzene	12.626	95	589117	61.025	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	122.040%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.791	94	3948	Below Cal	#	44
10) Methyl Iodide	4.309	142	1993	4.234	ug/l #	92
11) Tert butyl alcohol	5.232	59	342	Below Cal	#	83
16) Acetone	4.162	43	4295	3.435	ug/l #	75
18) Methyl Acetate	4.697	43	77	Below Cal	#	49
23) Vinyl Acetate	6.314	43	97	19.019	ug/l #	70
31) Cyclohexane	7.985	56	14978	1.498	ug/l #	28
36) 1,1-Dichloropropene	7.973	75	54927	4.832	ug/l #	49
38) Carbon Tetrachloride	7.973	117	66181	5.883	ug/l #	17
56) Ethyl methacrylate	10.644	69	253	2.614	ug/l #	31
58) 2-Chloroethyl Vinyl ether	9.891	63	74	10.619	ug/l #	47
76) 1,2,3-Trichloropropane	12.626	75	293637	51.266	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	293637	128.004	ug/l #	12
83) tert-Butylbenzene	13.214	119	1409	2.037	ug/l #	81
95) Naphthalene	15.385	128	1065	3.409	ug/l #	69

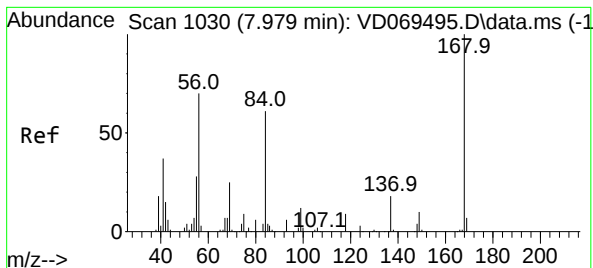
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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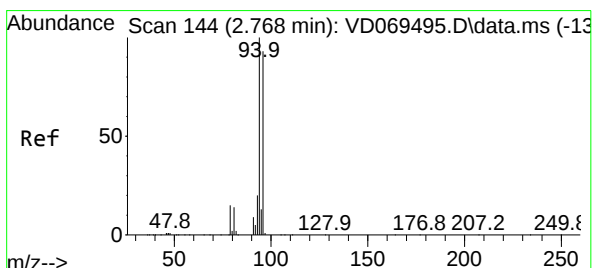
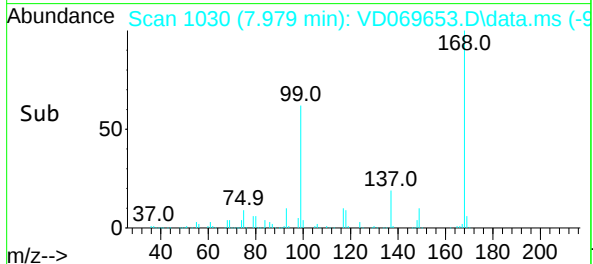
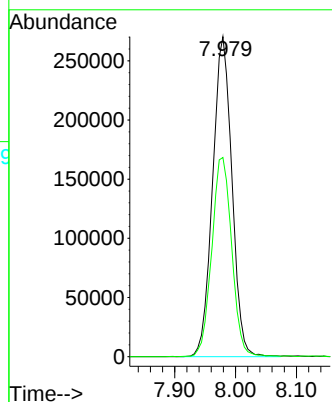
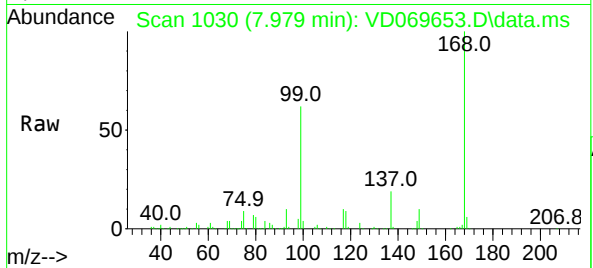




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069653.D
Acq: 09 Jul 2021 18:26

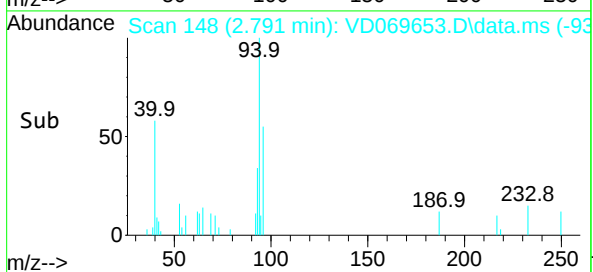
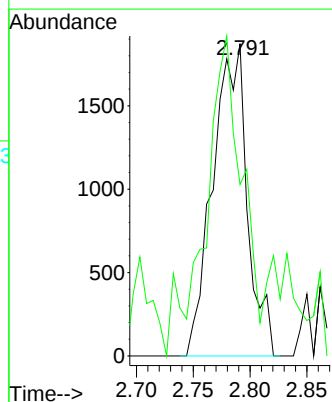
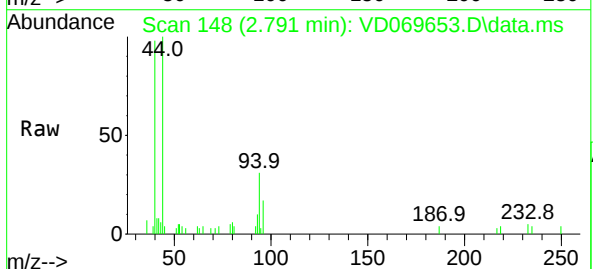
Instrument :
MSVOA_D
ClientSampled :
TP-J

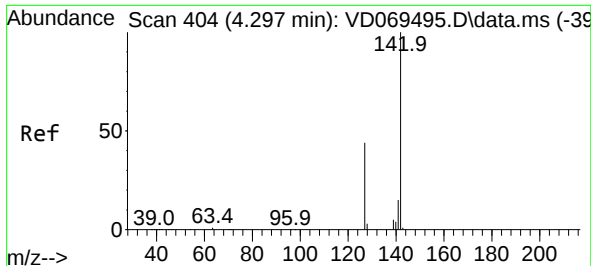
Tgt Ion:168 Resp: 595955
Ion Ratio Lower Upper
168 100
99 62.2 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.023 min
Lab File: VD069653.D
Acq: 09 Jul 2021 18:26

Tgt Ion: 94 Resp: 3948
Ion Ratio Lower Upper
94 100
96 39.5 74.6 111.8#

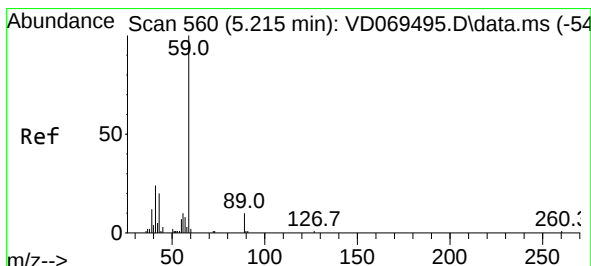
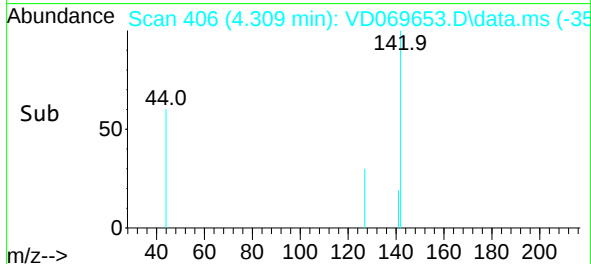
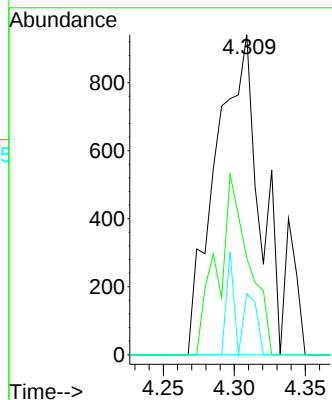
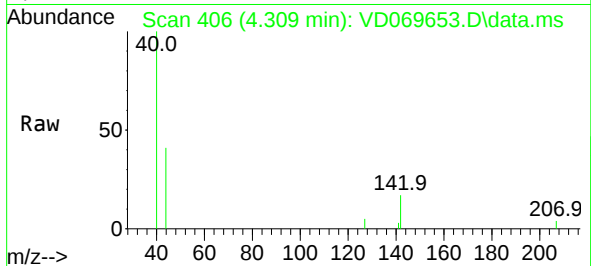




#10
Methyl Iodide
Concen: 4.234 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD069653.D
Acq: 09 Jul 2021 18:26

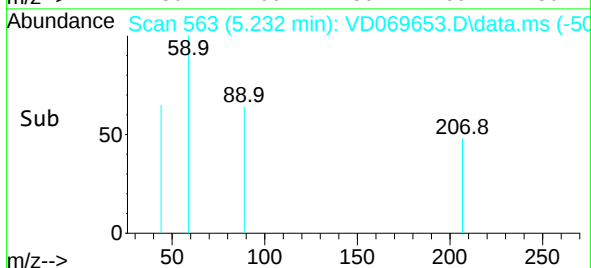
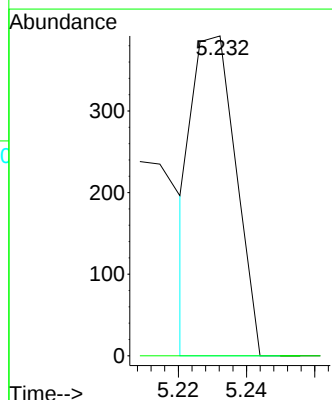
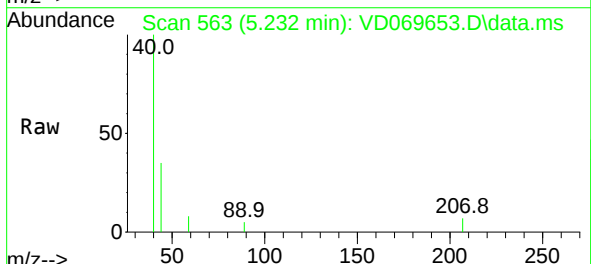
Instrument :
MSVOA_D
ClientSampled :
TP-J

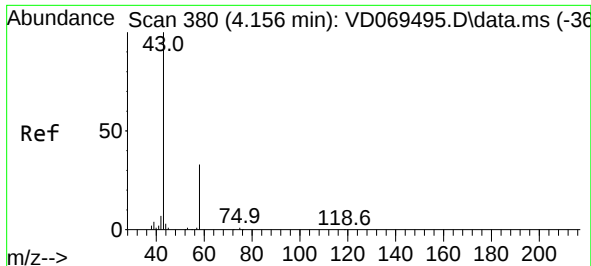
Tgt Ion:142 Resp: 1993
Ion Ratio Lower Upper
142 100
127 40.4 36.5 54.7
141 11.2 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.232 min Scan# 563
Delta R.T. 0.017 min
Lab File: VD069653.D
Acq: 09 Jul 2021 18:26

Tgt Ion: 59 Resp: 342
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

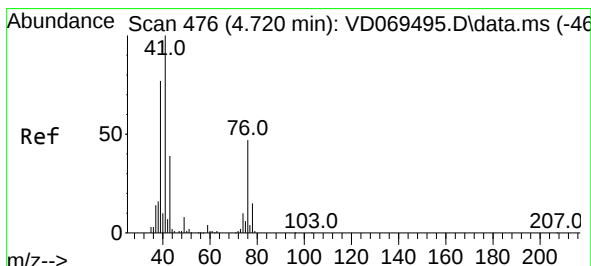
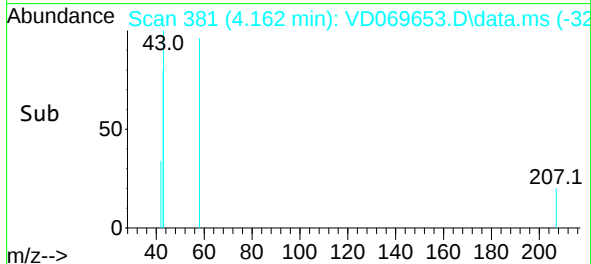
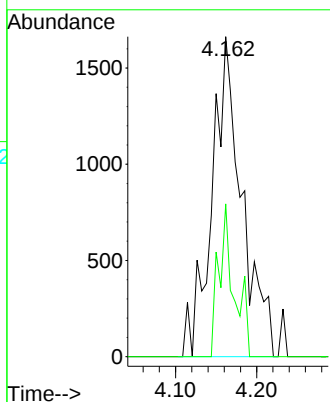
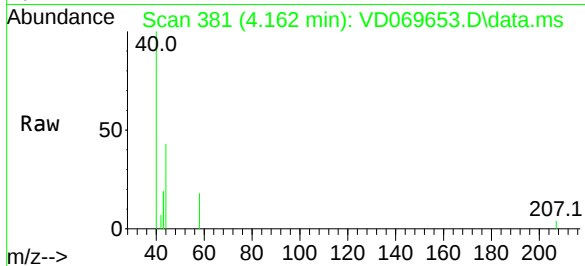




#16
Acetone
Concen: 3.435 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069653.D
Acq: 09 Jul 2021 18:26

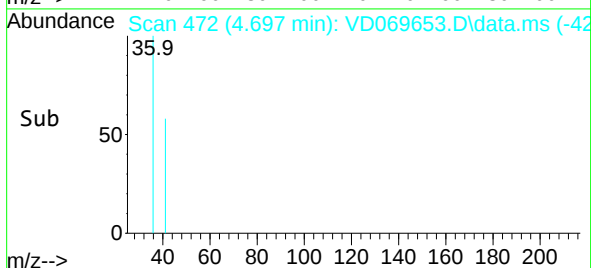
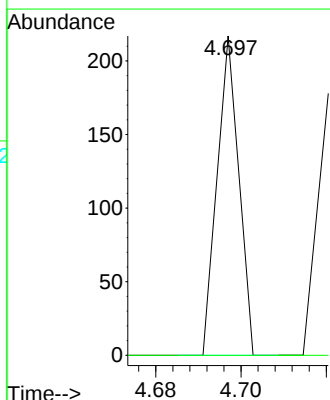
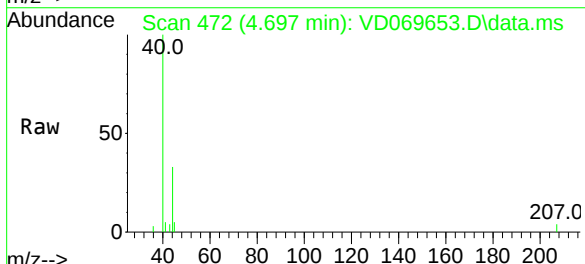
Instrument :
MSVOA_D
ClientSampleId :
TP-J

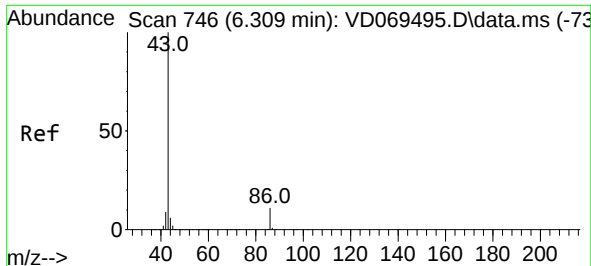
Tgt Ion: 43 Resp: 4295
Ion Ratio Lower Upper
43 100
58 47.7 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.697 min Scan# 472
Delta R.T. -0.023 min
Lab File: VD069653.D
Acq: 09 Jul 2021 18:26

Tgt Ion: 43 Resp: 77
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

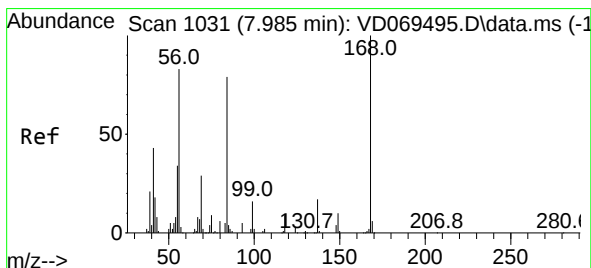
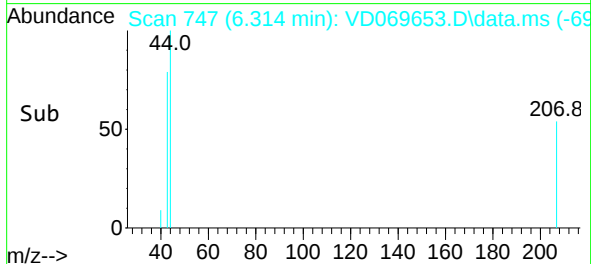
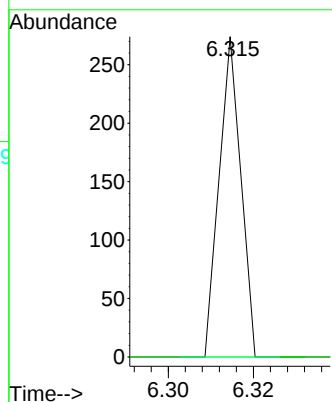
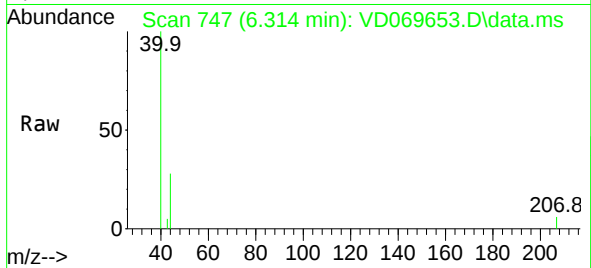




#23
 Vinyl Acetate
 Concen: 19.019 ug/l
 RT: 6.314 min Scan# 747
 Delta R.T. 0.005 min
 Lab File: VD069653.D
 Acq: 09 Jul 2021 18:26

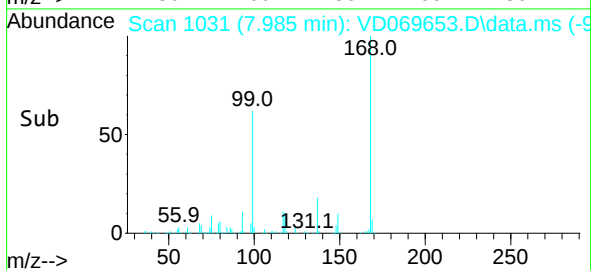
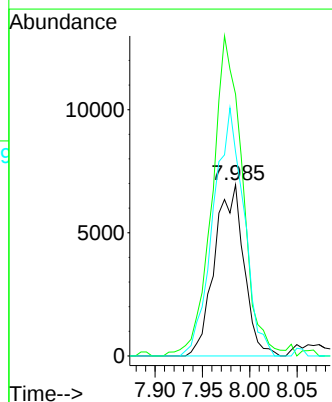
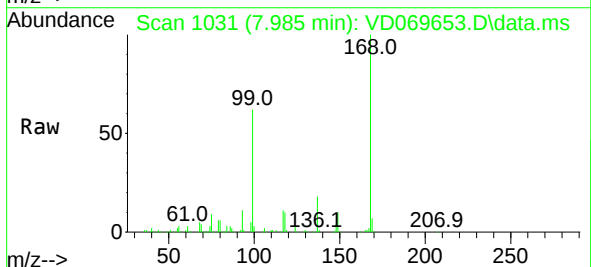
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-J

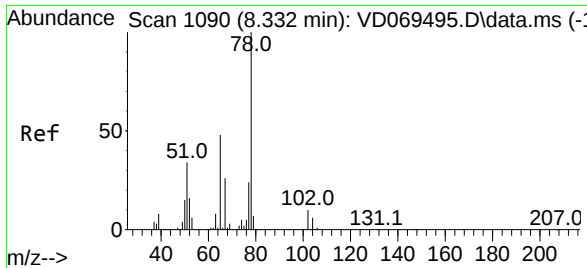
Tgt Ion: 43 Resp: 97
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#31
 Cyclohexane
 Concen: 1.498 ug/l
 RT: 7.985 min Scan# 1031
 Delta R.T. 0.000 min
 Lab File: VD069653.D
 Acq: 09 Jul 2021 18:26

Tgt Ion: 56 Resp: 14978
 Ion Ratio Lower Upper
 56 100
 69 149.6 28.0 42.0#
 84 119.3 75.7 113.5#

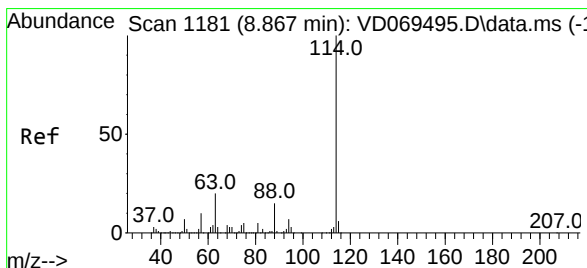
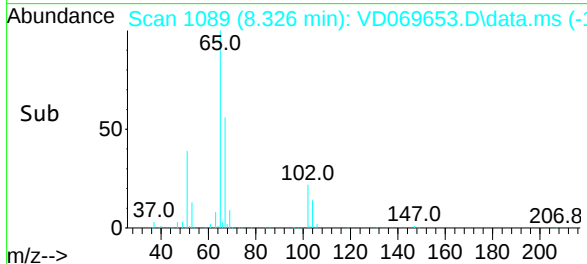
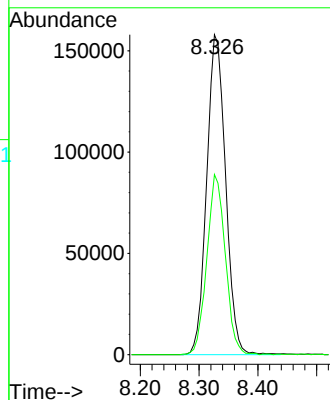
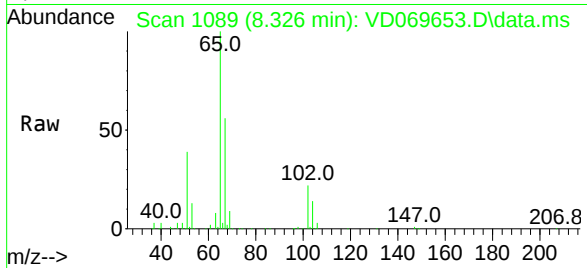




#33
1,2-Dichloroethane-d4
Concen: 47.512 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069653.D
Acq: 09 Jul 2021 18:26

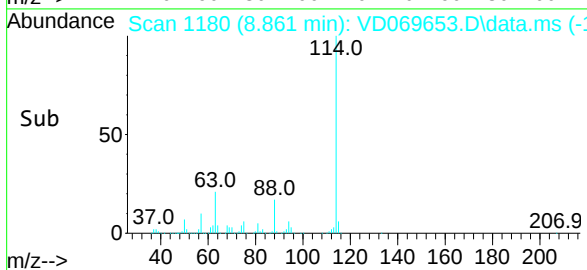
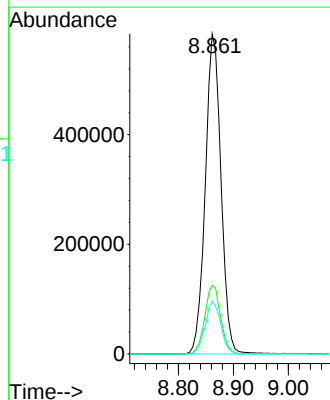
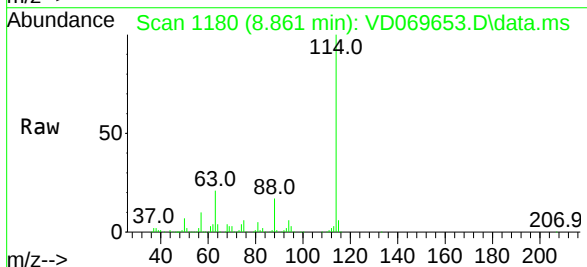
Instrument :
MSVOA_D
ClientSampleId :
TP-J

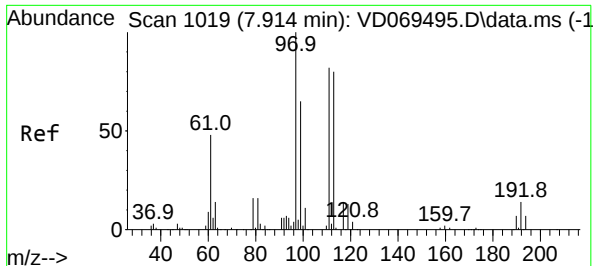
Tgt Ion: 65 Resp: 352939
Ion Ratio Lower Upper
65 100
67 55.0 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069653.D
Acq: 09 Jul 2021 18:26

Tgt Ion:114 Resp: 1158109
Ion Ratio Lower Upper
114 100
63 21.5 0.0 39.6
88 16.5 0.0 29.8





#35

Dibromofluoromethane

Concen: 46.547 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069653.D

Acq: 09 Jul 2021 18:26

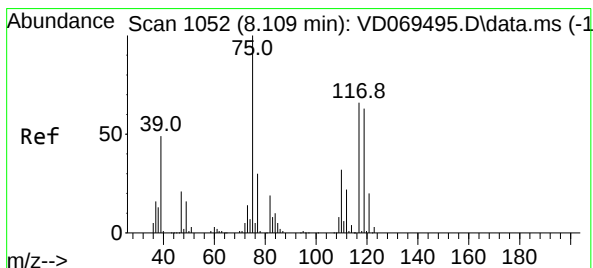
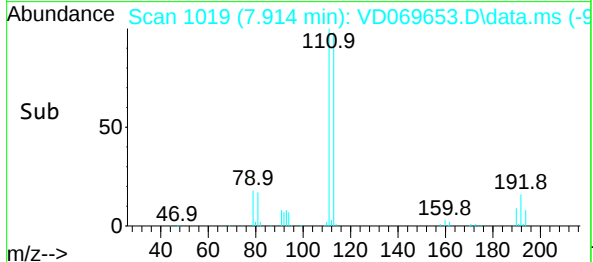
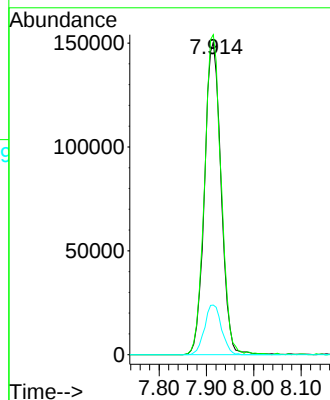
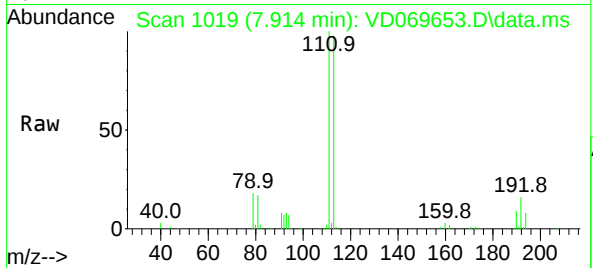
Tgt Ion:113 Resp: 364397

Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.8

192 16.3 13.8 20.6



#36

1,1-Dichloropropene

Concen: 4.832 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD069653.D

Acq: 09 Jul 2021 18:26

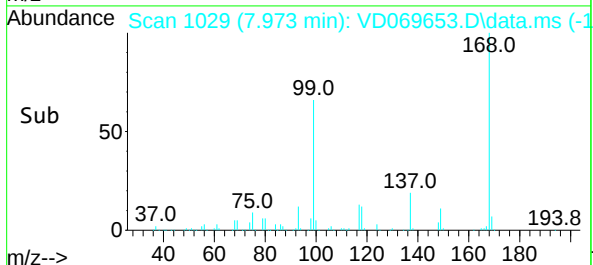
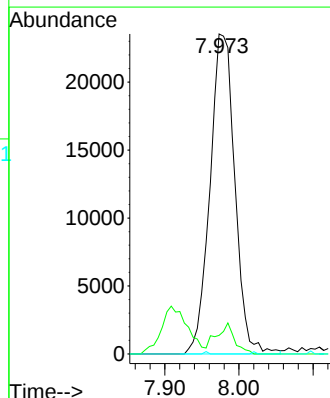
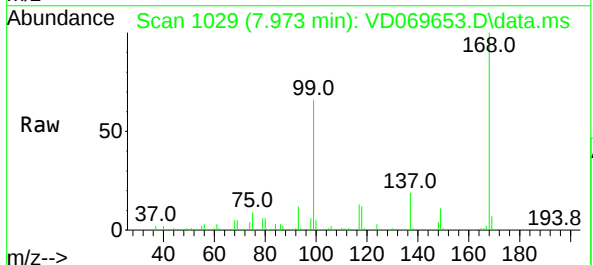
Tgt Ion: 75 Resp: 54927

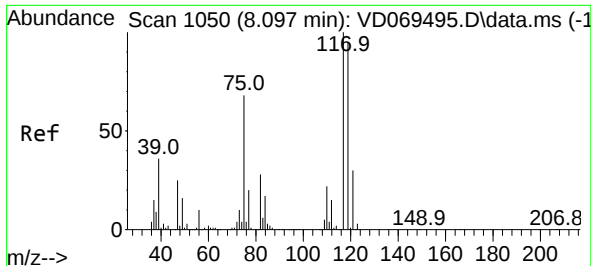
Ion Ratio Lower Upper

75 100

110 7.1 16.8 50.4#

77 0.0 24.3 36.5#

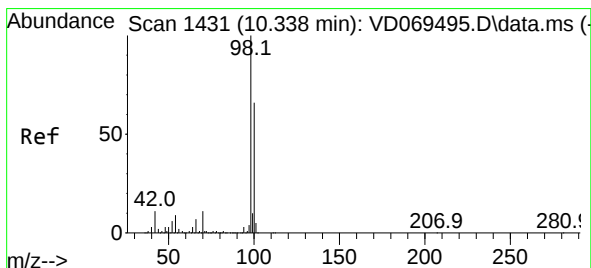
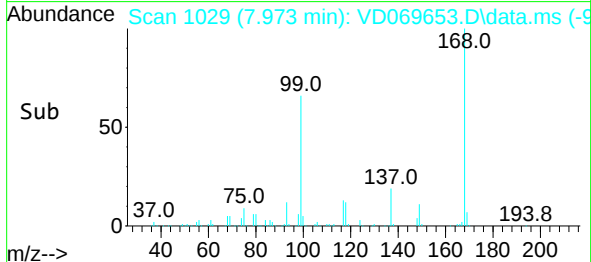
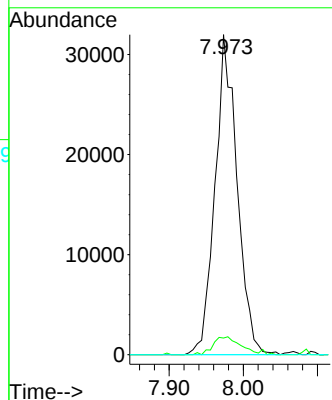
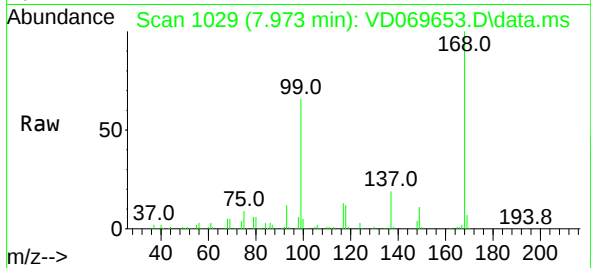




#38
Carbon Tetrachloride
Concen: 5.883 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069653.D
Acq: 09 Jul 2021 18:26

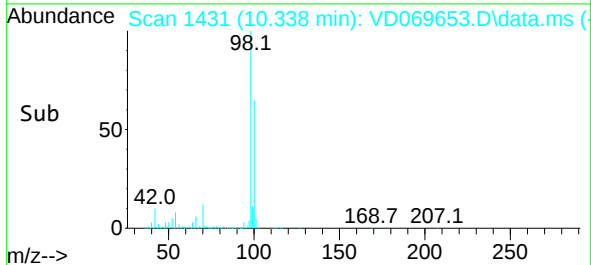
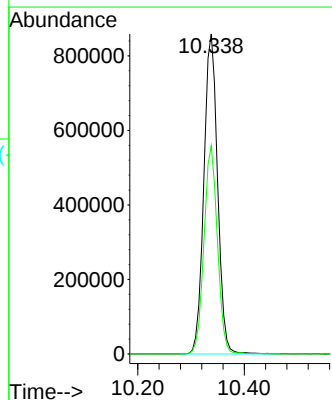
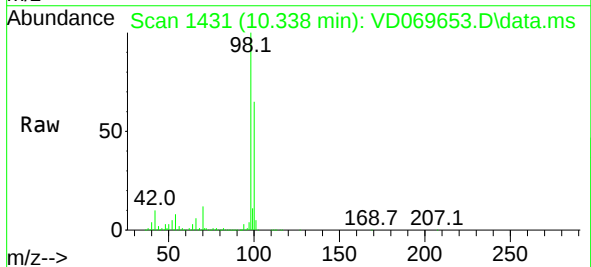
Instrument :
MSVOA_D
ClientSampleId :
TP-J

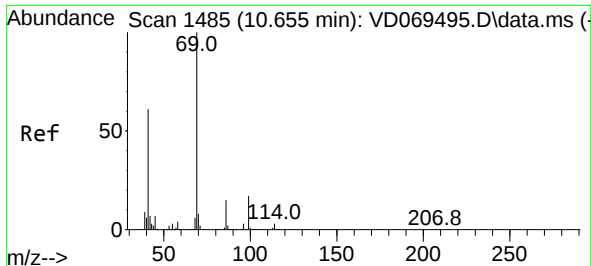
Tgt Ion:117 Resp: 66181
Ion Ratio Lower Upper
117 100
119 5.2 75.6 113.4#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 52.113 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069653.D
Acq: 09 Jul 2021 18:26

Tgt Ion: 98 Resp: 1530279
Ion Ratio Lower Upper
98 100
100 63.9 52.3 78.5

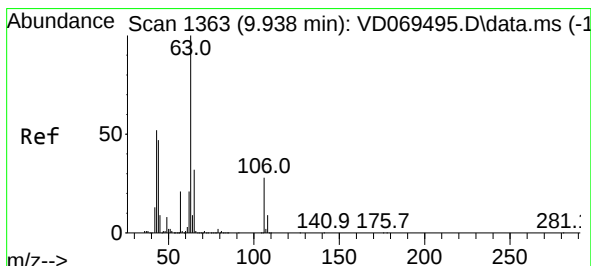
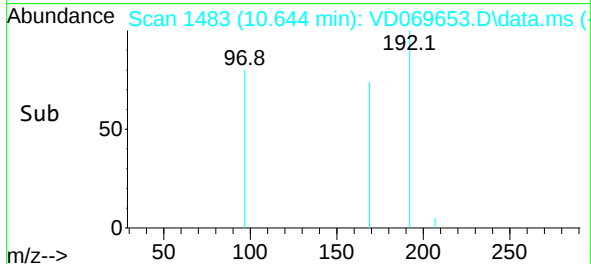
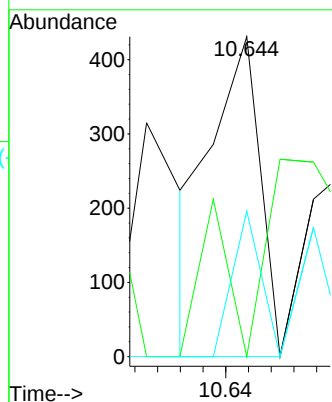
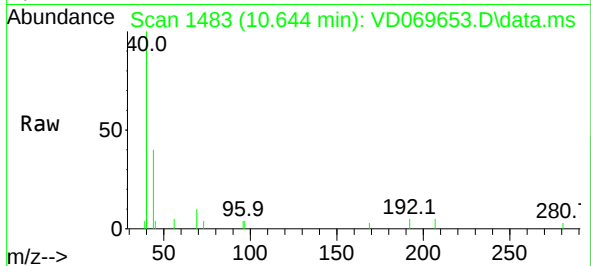




#56
Ethyl methacrylate
Concen: 2.614 ug/l
RT: 10.644 min Scan# 1483
Delta R.T. -0.011 min
Lab File: VD069653.D
Acq: 09 Jul 2021 18:26

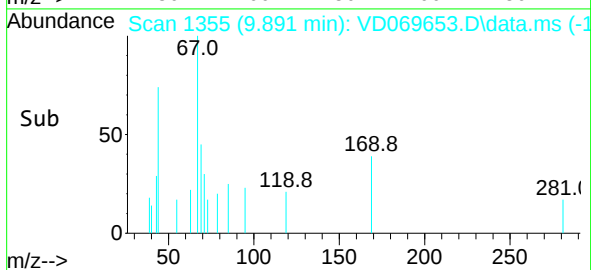
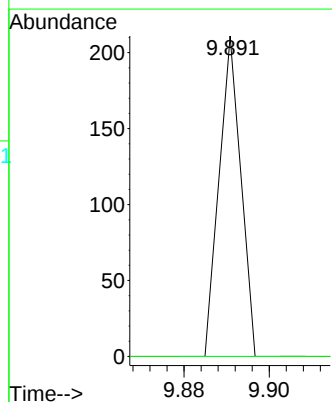
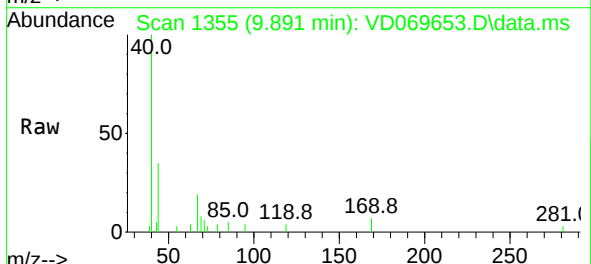
Instrument :
MSVOA_D
ClientSampled :
TP-J

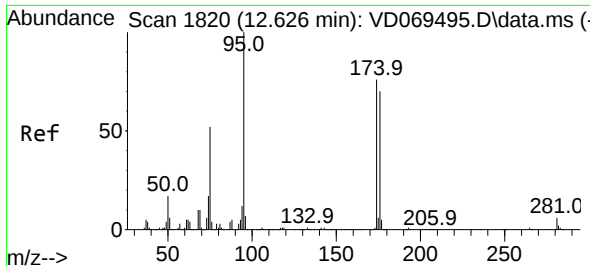
Tgt Ion: 69 Resp: 253
Ion Ratio Lower Upper
69 100
41 129.6 49.4 74.0#
39 51.8 26.9 40.3#



#58
2-Chloroethyl Vinyl ether
Concen: 10.619 ug/l
RT: 9.891 min Scan# 1355
Delta R.T. -0.047 min
Lab File: VD069653.D
Acq: 09 Jul 2021 18:26

Tgt Ion: 63 Resp: 74
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#

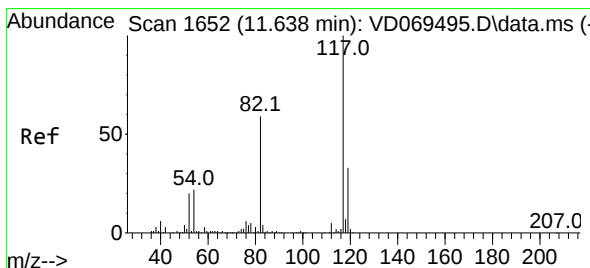
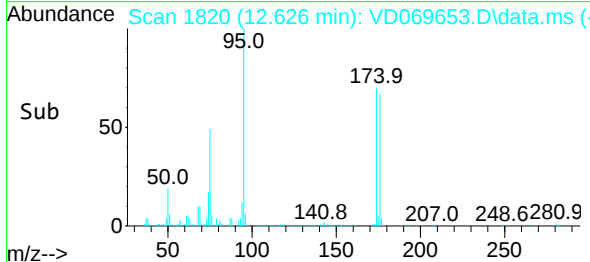
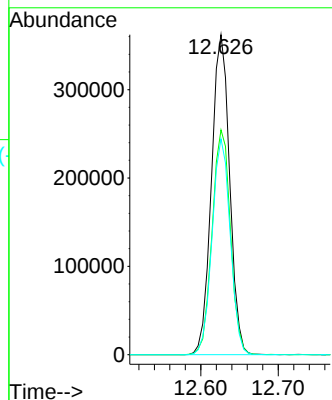
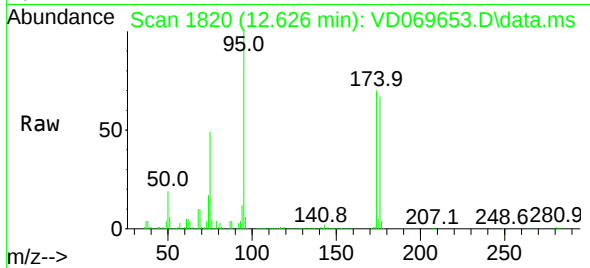




#62
4-Bromofluorobenzene
Concen: 61.025 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069653.D
Acq: 09 Jul 2021 18:26

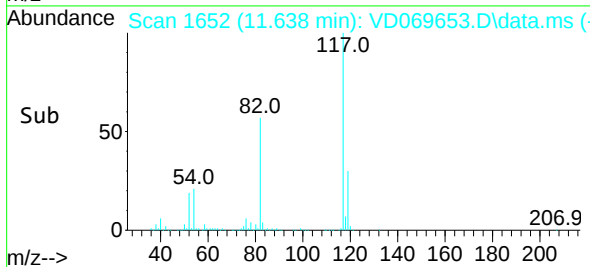
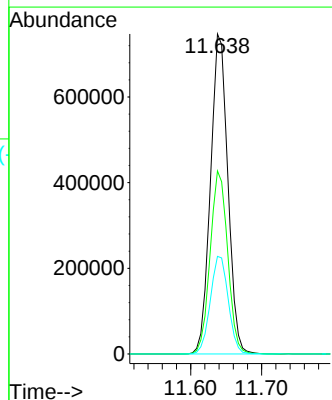
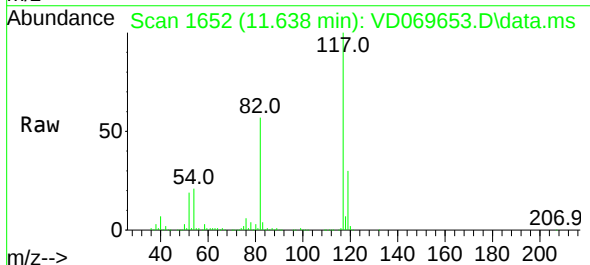
Instrument :
MSVOA_D
ClientSampleId :
TP-J

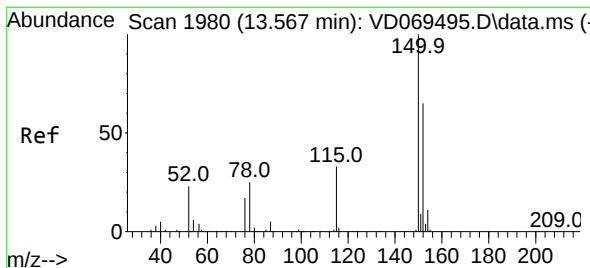
Tgt Ion: 95 Resp: 589117
Ion Ratio Lower Upper
95 100
174 71.0 0.0 148.0
176 67.3 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069653.D
Acq: 09 Jul 2021 18:26

Tgt Ion: 117 Resp: 1266875
Ion Ratio Lower Upper
117 100
82 57.2 46.8 70.2
119 30.5 26.2 39.2

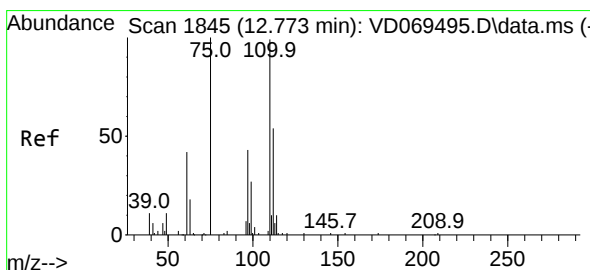
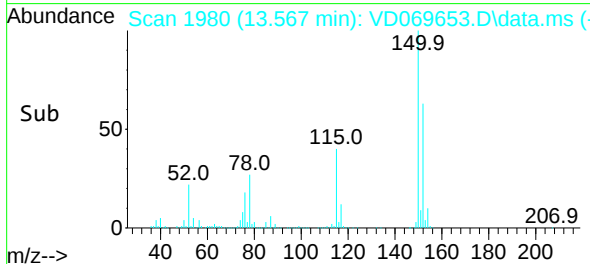
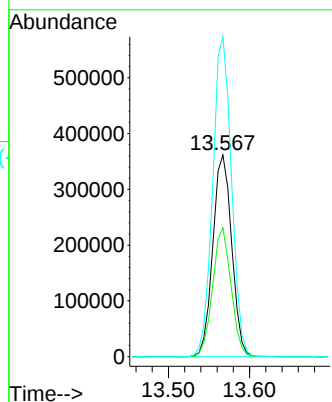
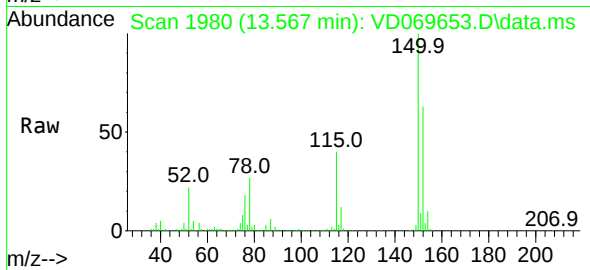




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069653.D
Acq: 09 Jul 2021 18:26

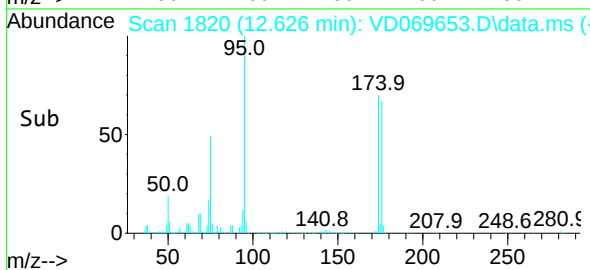
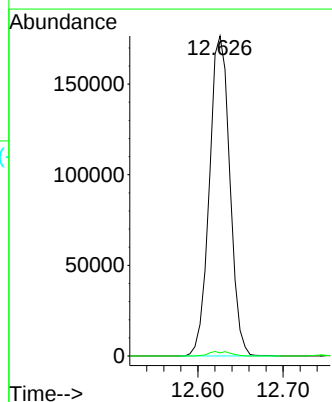
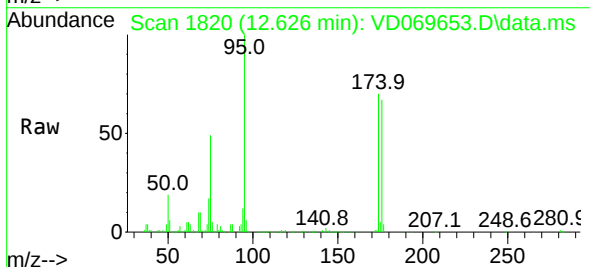
Instrument :
MSVOA_D
ClientSampleId :
TP-J

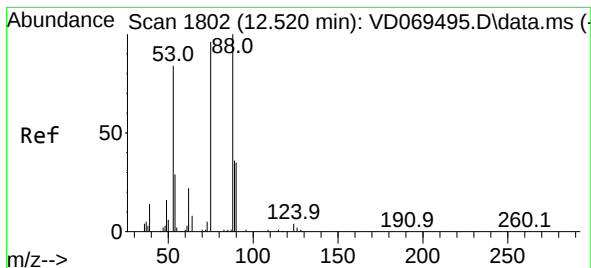
Tgt Ion:152 Resp: 583492
Ion Ratio Lower Upper
152 100
115 62.5 31.7 95.1
150 157.9 0.0 350.8



#76
1,2,3-Trichloropropane
Concen: 51.266 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069653.D
Acq: 09 Jul 2021 18:26

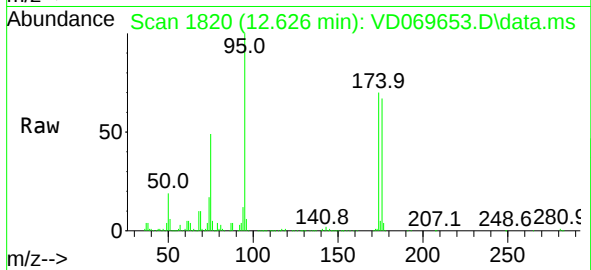
Tgt Ion: 75 Resp: 293637
Ion Ratio Lower Upper
75 100
77 1.4 162.6 487.8#



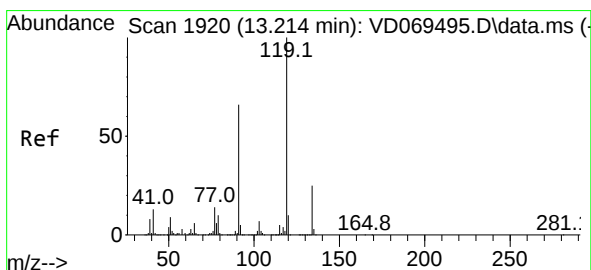
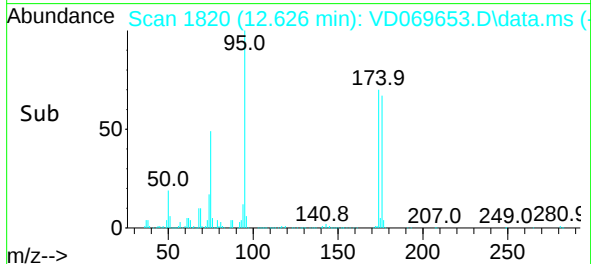
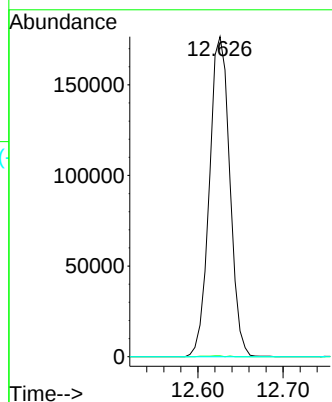


#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.004 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069653.D
 Acq: 09 Jul 2021 18:26

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-J

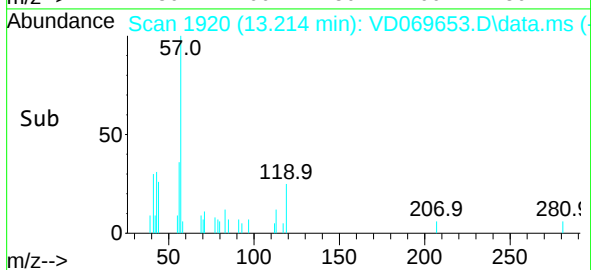
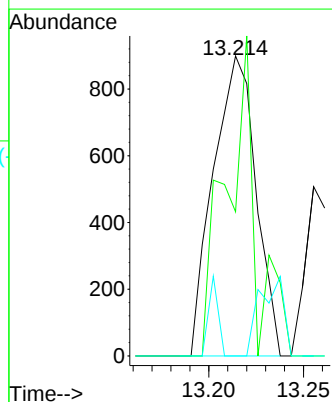
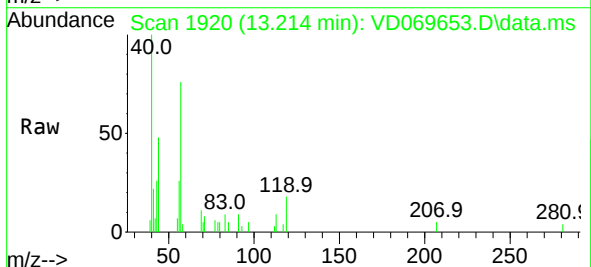


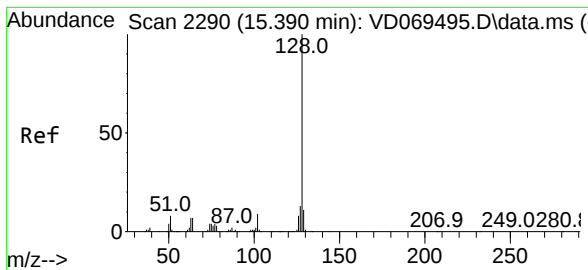
Tgt Ion: 75 Resp: 293637
 Ion Ratio Lower Upper
 75 100
 53 0.2 74.6 112.0#
 89 0.0 35.3 52.9#



#83
 tert-Butylbenzene
 Concen: 2.037 ug/l
 RT: 13.214 min Scan# 1920
 Delta R.T. 0.000 min
 Lab File: VD069653.D
 Acq: 09 Jul 2021 18:26

Tgt Ion: 119 Resp: 1409
 Ion Ratio Lower Upper
 119 100
 91 74.0 32.5 97.4
 134 6.0 12.9 38.7#





#95
Naphthalene
Concen: 3.409 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069653.D
Acq: 09 Jul 2021 18:26

Instrument :
MSVOA_D
ClientSampleId :
TP-J

Tgt Ion:128 Resp: 1065
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

