

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070921\
 Data File : VD069652.D
 Acq On : 09 Jul 2021 17:58
 Operator : VA/SY
 Sample : M2990-10
 Misc : 4.43G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-I

Quant Time: Jul 10 02:56:14 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)

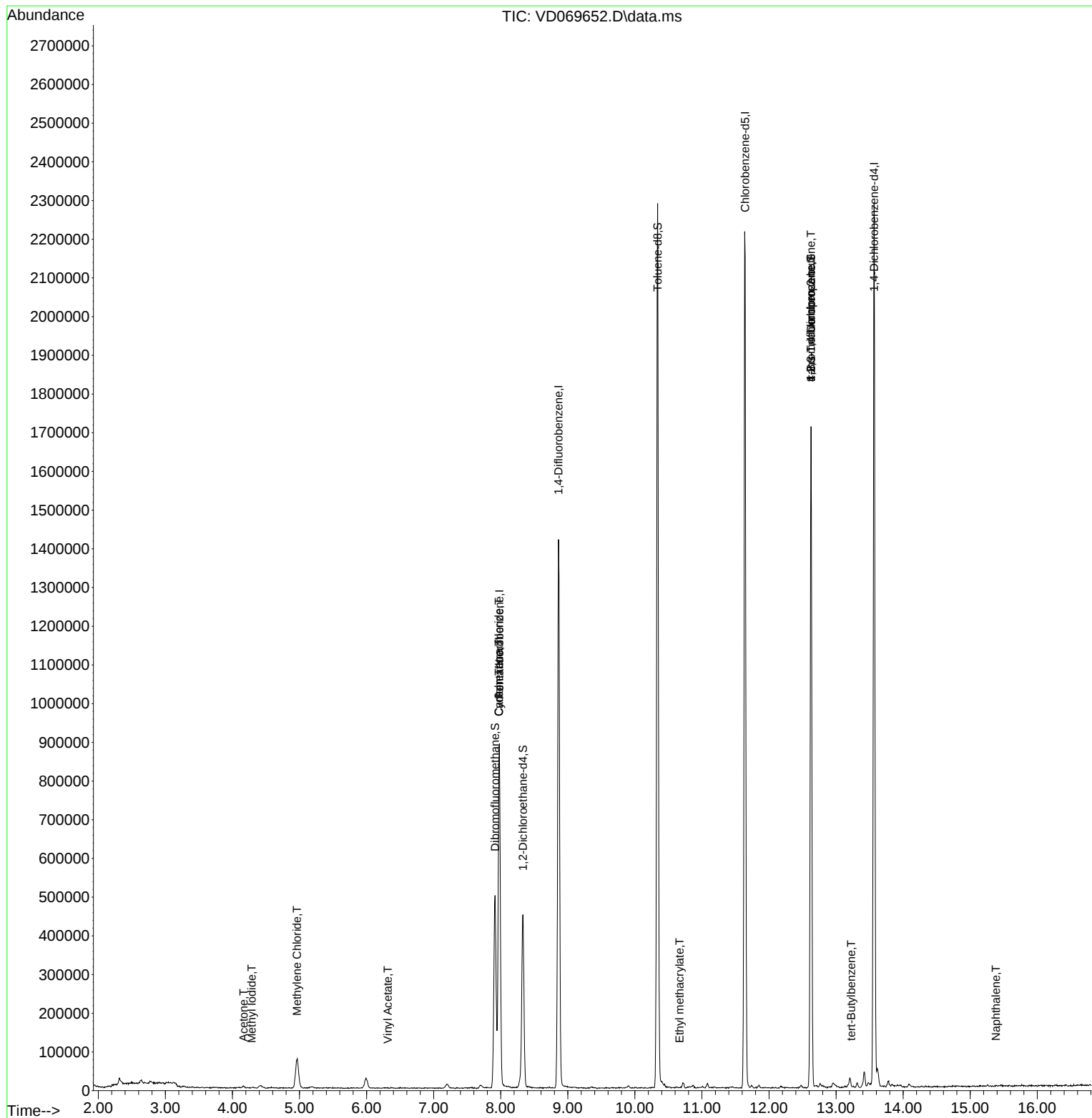
Internal Standards						
1) Pentafluorobenzene	7.979	168	615118	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1177900	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	1277299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	590543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	364842	47.584	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.160%		
35) Dibromofluoromethane	7.914	113	371774	46.691	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.380%		
50) Toluene-d8	10.338	98	1550498	51.915	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.820%		
62) 4-Bromofluorobenzene	12.626	95	595563	60.656	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	121.320%		
Target Compounds						
5) Bromomethane	2.768	94	4229	Below Cal	#	45
10) Methyl Iodide	4.285	142	866	4.064	ug/l #	86
11) Tert butyl alcohol	5.185	59	3151	Below Cal	#	83
16) Acetone	4.168	43	8260	6.400	ug/l	95
18) Methyl Acetate	4.732	43	412	Below Cal	#	49
20) Methylene Chloride	4.962	84	59827	1.035	ug/l	99
23) Vinyl Acetate	6.314	43	68	19.016	ug/l #	70
31) Cyclohexane	7.973	56	15553	1.507	ug/l #	1
38) Carbon Tetrachloride	7.973	117	68790	6.012	ug/l #	17
56) Ethyl methacrylate	10.667	69	660	2.665	ug/l #	58
76) 1,2,3-Trichloropropane	12.626	75	294884	50.869	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	294884	127.013	ug/l #	12
83) tert-Butylbenzene	13.226	119	1531	2.040	ug/l #	37
95) Naphthalene	15.385	128	1166	3.413	ug/l #	86

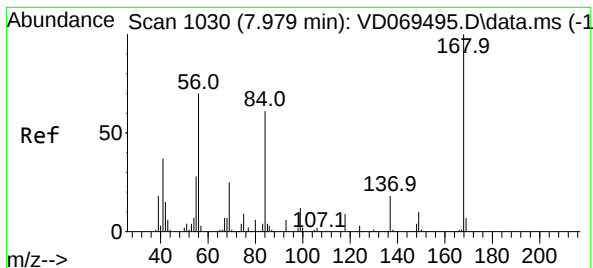
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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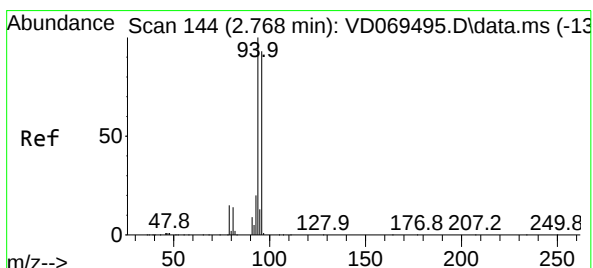
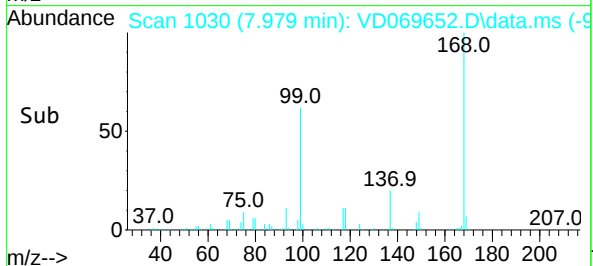
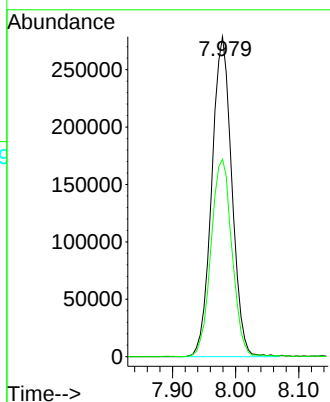
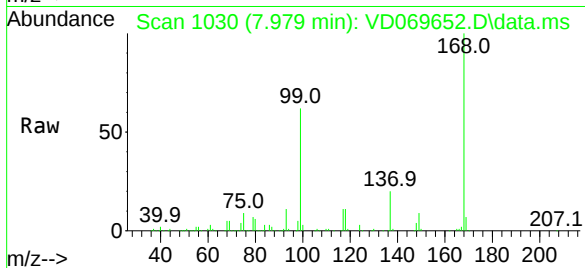




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069652.D
Acq: 09 Jul 2021 17:58

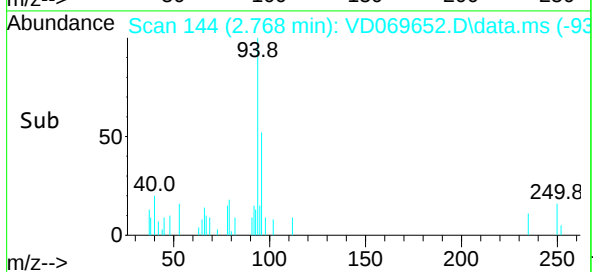
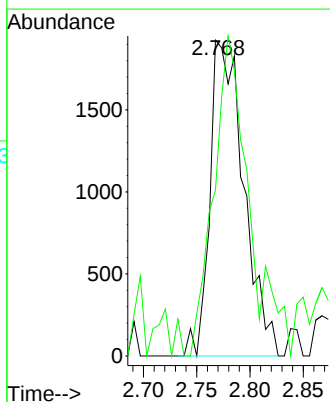
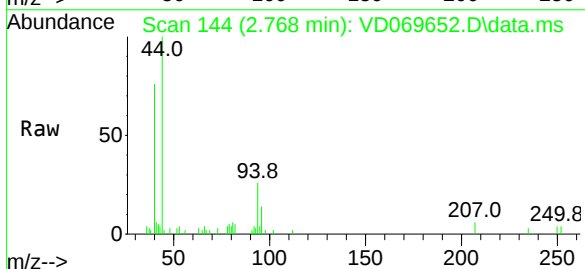
Instrument :
MSVOA_D
ClientSampled :
TP-I

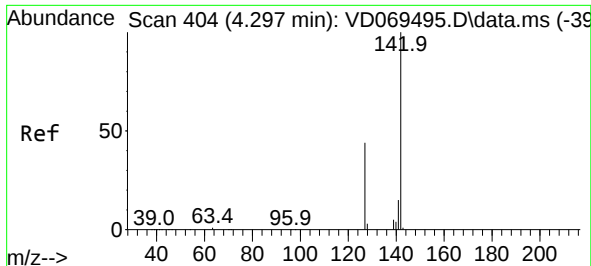
Tgt Ion:168 Resp: 615118
Ion Ratio Lower Upper
168 100
99 61.7 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.000 min
Lab File: VD069652.D
Acq: 09 Jul 2021 17:58

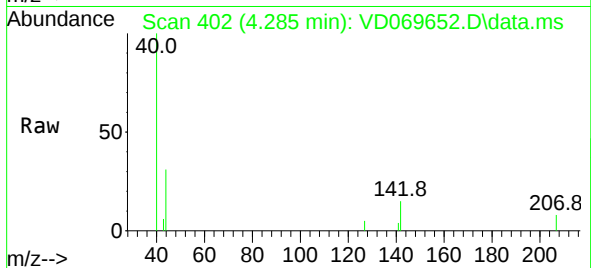
Tgt Ion: 94 Resp: 4229
Ion Ratio Lower Upper
94 100
96 40.8 74.6 111.8#



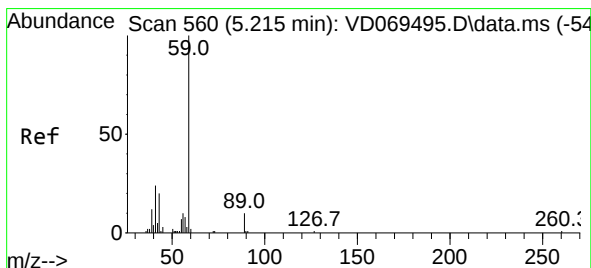
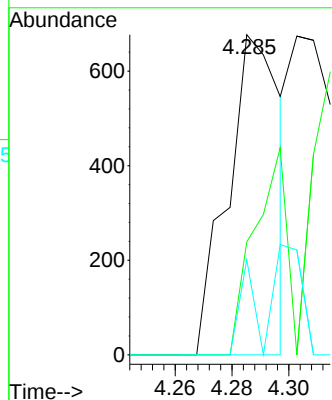
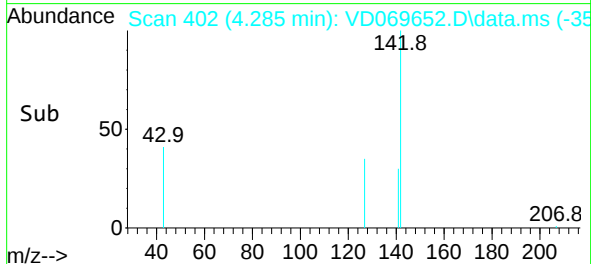


#10
Methyl Iodide
Concen: 4.064 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.012 min
Lab File: VD069652.D
Acq: 09 Jul 2021 17:58

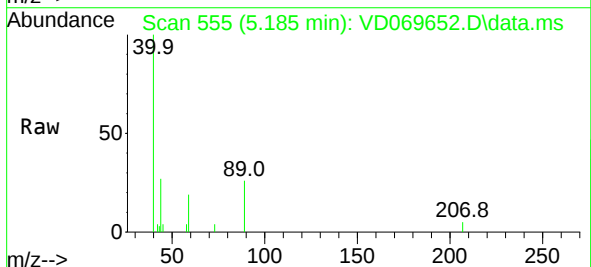
Instrument :
MSVOA_D
ClientSampleId :
TP-I



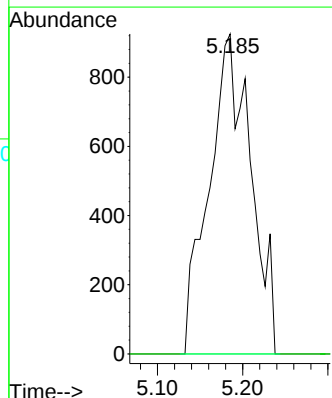
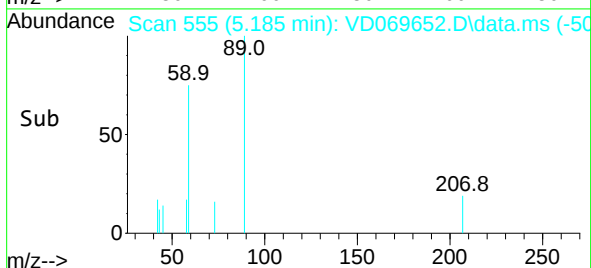
Tgt Ion:142 Resp: 866
Ion Ratio Lower Upper
142 100
127 39.7 36.5 54.7
141 26.7 12.0 18.0#

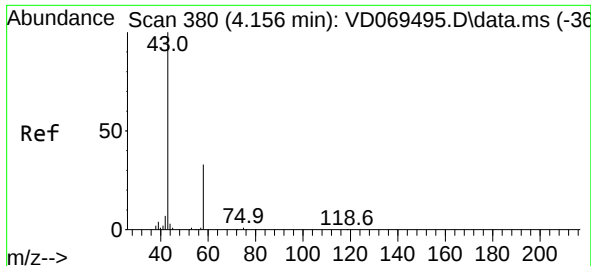


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 555
Delta R.T. -0.030 min
Lab File: VD069652.D
Acq: 09 Jul 2021 17:58



Tgt Ion: 59 Resp: 3151
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

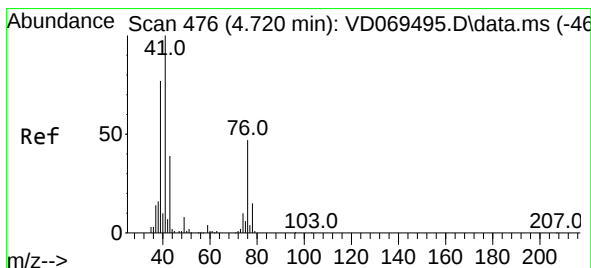
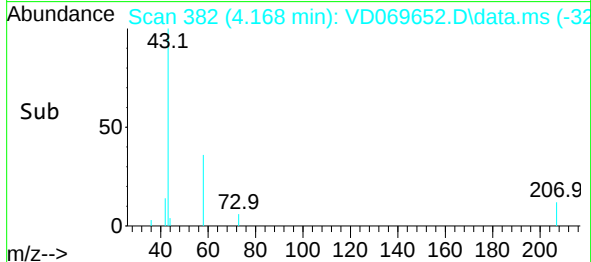
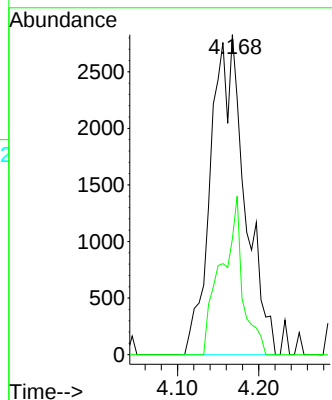
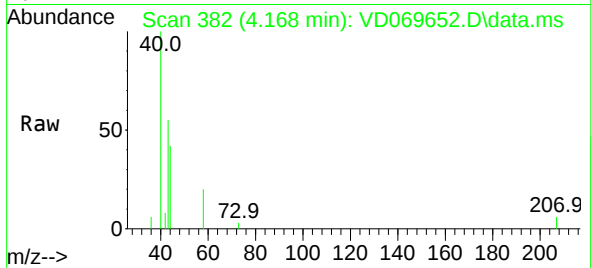




#16
Acetone
Concen: 6.400 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD069652.D
Acq: 09 Jul 2021 17:58

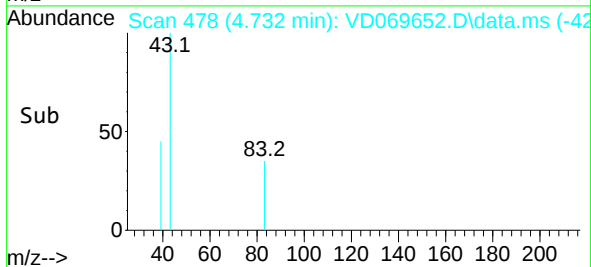
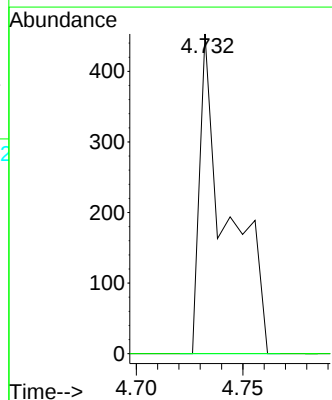
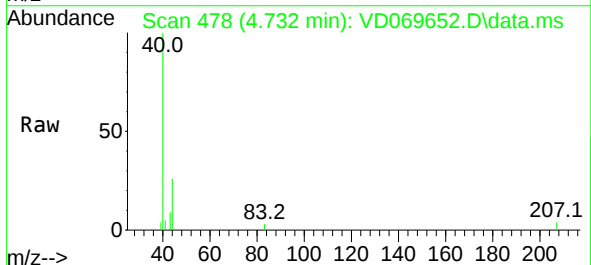
Instrument :
MSVOA_D
ClientSampleId :
TP-I

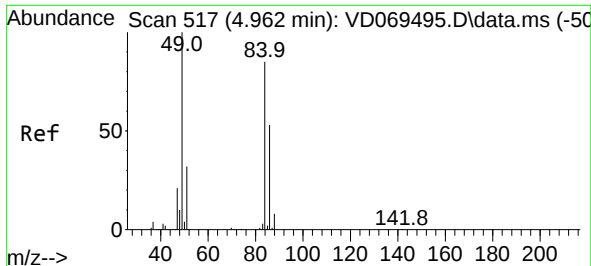
Tgt Ion: 43 Resp: 8260
Ion Ratio Lower Upper
43 100
58 36.1 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.732 min Scan# 478
Delta R.T. 0.012 min
Lab File: VD069652.D
Acq: 09 Jul 2021 17:58

Tgt Ion: 43 Resp: 412
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#





#20

Methylene Chloride

Concen: 1.035 ug/l

RT: 4.962 min Scan# 517

Delta R.T. -0.000 min

Lab File: VD069652.D

Acq: 09 Jul 2021 17:58

Tgt Ion: 84 Resp: 59827

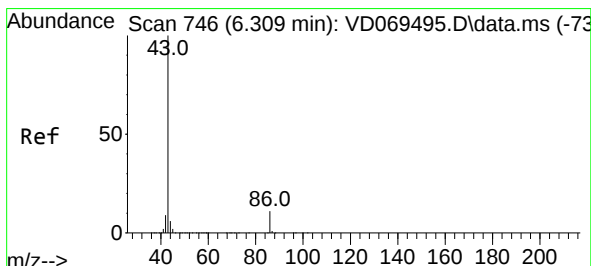
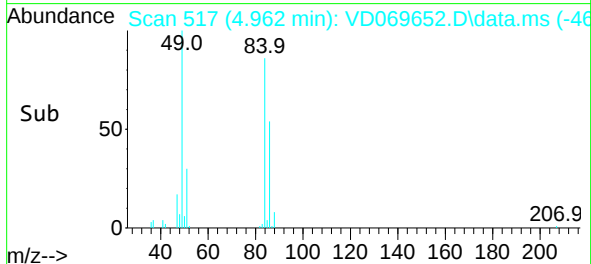
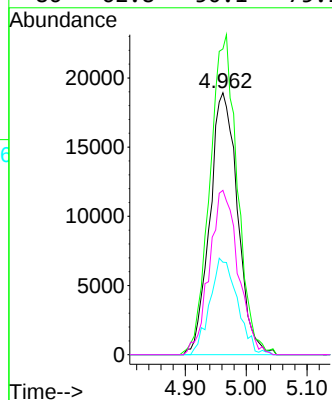
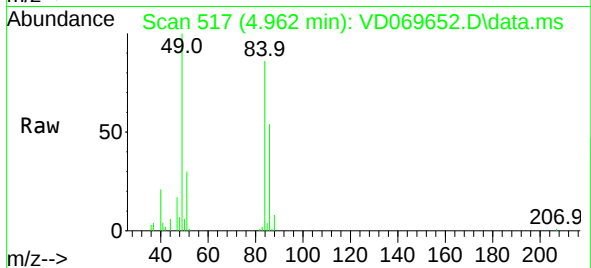
Ion Ratio Lower Upper

84 100

49 116.8 94.0 141.0

51 35.3 29.7 44.5

86 62.8 50.1 75.1



#23

Vinyl Acetate

Concen: 19.016 ug/l

RT: 6.314 min Scan# 747

Delta R.T. 0.005 min

Lab File: VD069652.D

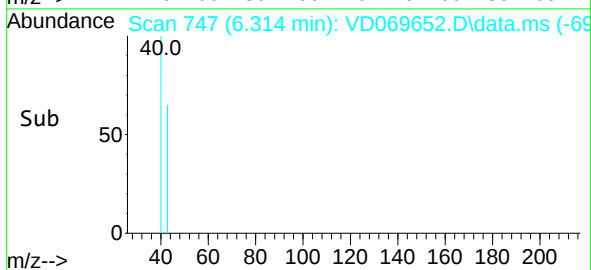
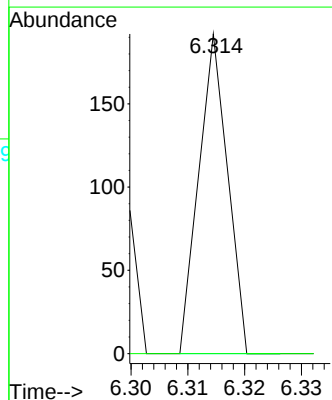
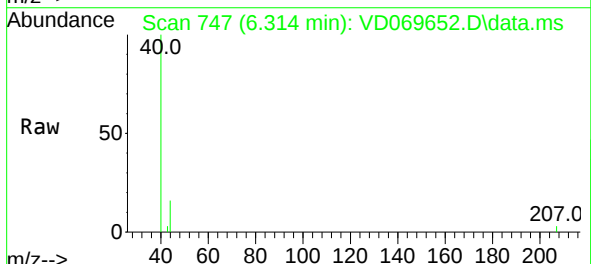
Acq: 09 Jul 2021 17:58

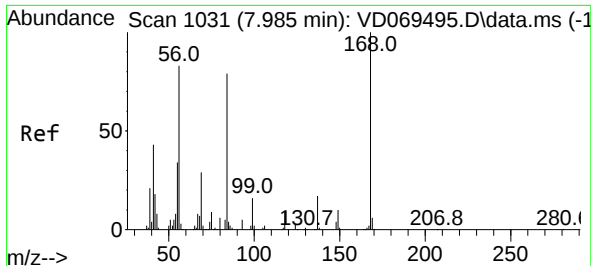
Tgt Ion: 43 Resp: 68

Ion Ratio Lower Upper

43 100

86 0.0 9.1 13.7#

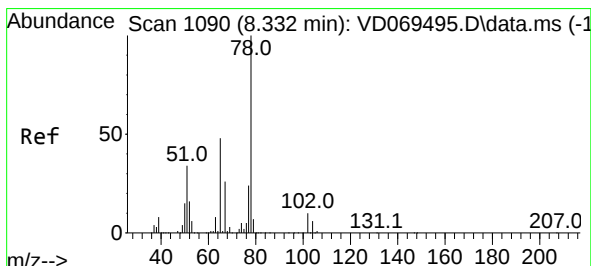
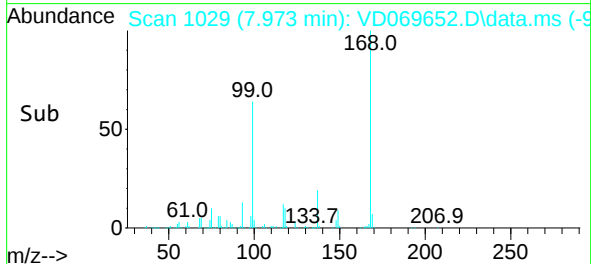
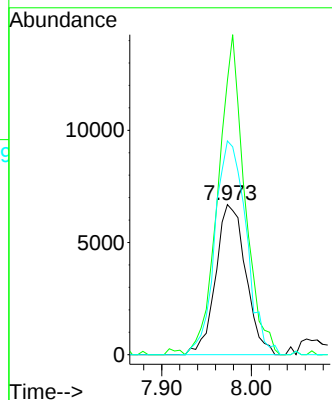
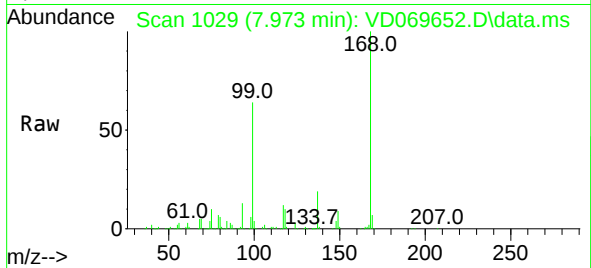




#31
Cyclohexane
Concen: 1.507 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069652.D
Acq: 09 Jul 2021 17:58

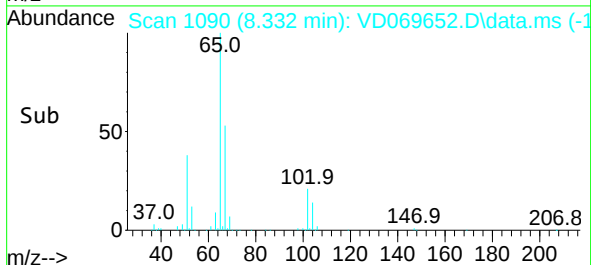
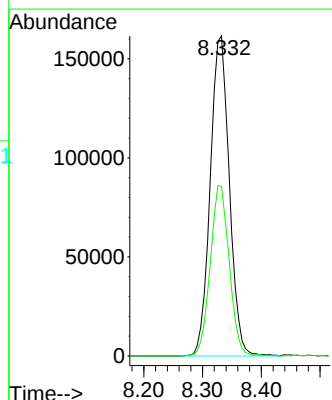
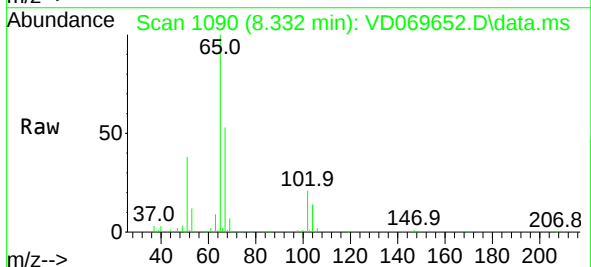
Instrument :
MSVOA_D
ClientSampleId :
TP-I

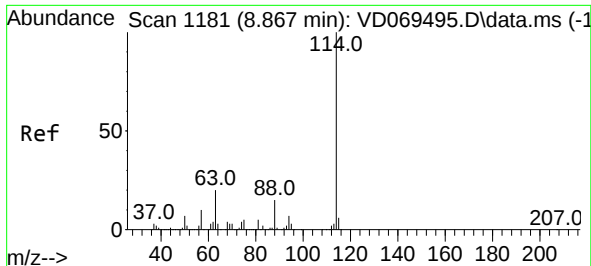
Tgt Ion: 56 Resp: 15553
Ion Ratio Lower Upper
56 100
69 182.5 28.0 42.0#
84 142.4 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 47.584 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069652.D
Acq: 09 Jul 2021 17:58

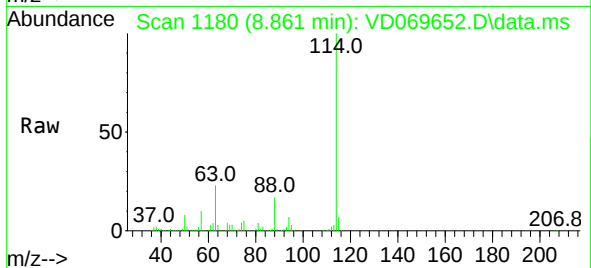
Tgt Ion: 65 Resp: 364842
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.6



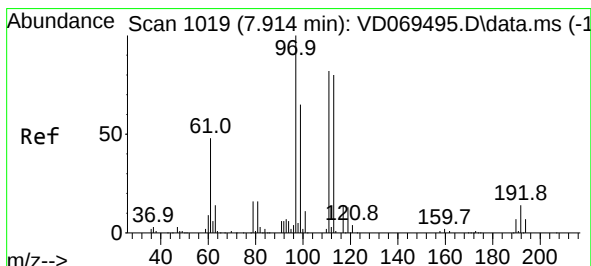
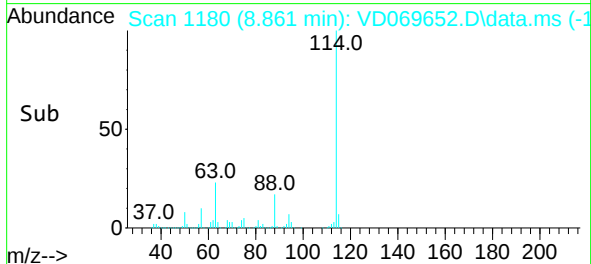
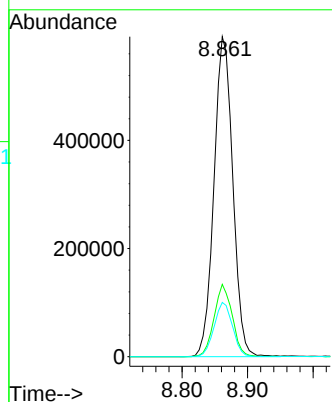


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069652.D
Acq: 09 Jul 2021 17:58

Instrument :
MSVOA_D
ClientSampleId :
TP-I

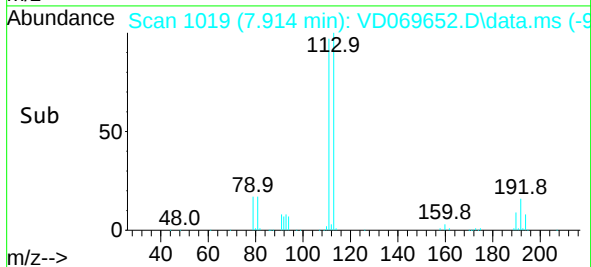
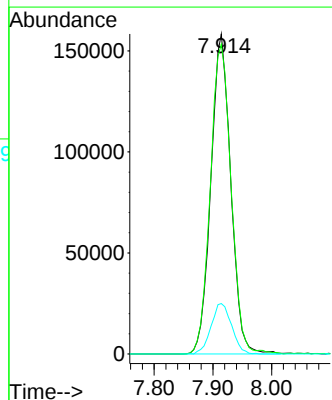
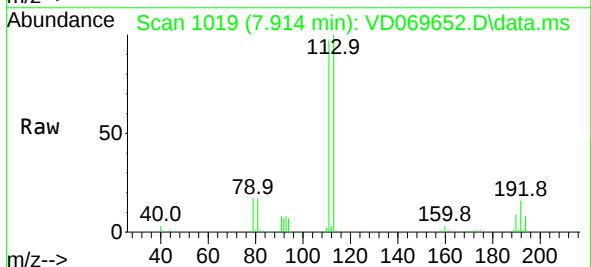


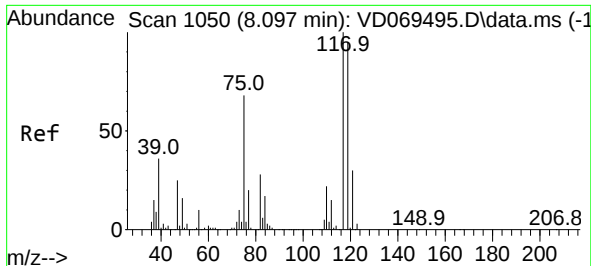
Tgt Ion:114 Resp: 1177900
Ion Ratio Lower Upper
114 100
63 22.6 0.0 39.6
88 17.0 0.0 29.8



#35
Dibromofluoromethane
Concen: 46.691 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069652.D
Acq: 09 Jul 2021 17:58

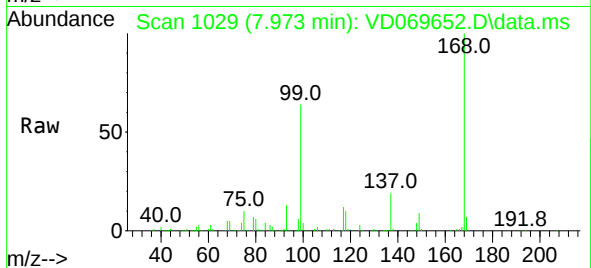
Tgt Ion:113 Resp: 371774
Ion Ratio Lower Upper
113 100
111 101.1 81.8 122.8
192 16.3 13.8 20.6



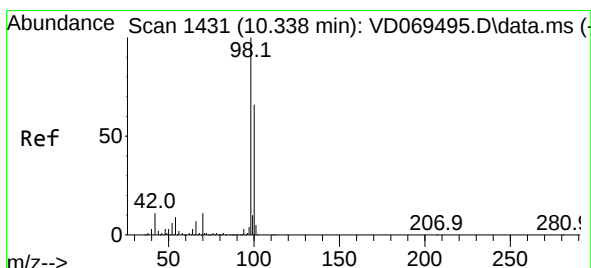
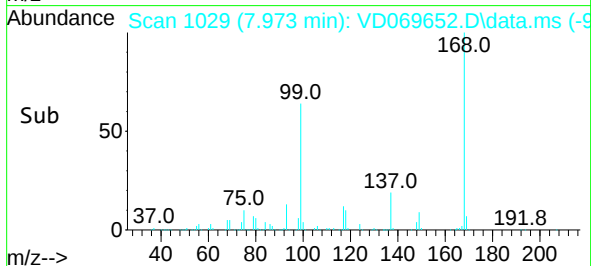
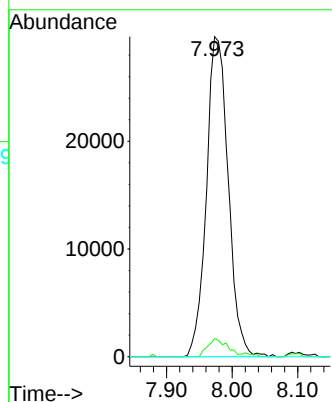


#38
Carbon Tetrachloride
Concen: 6.012 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069652.D
Acq: 09 Jul 2021 17:58

Instrument :
MSVOA_D
ClientSampleId :
TP-I

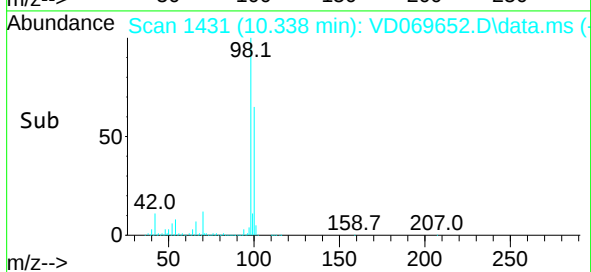
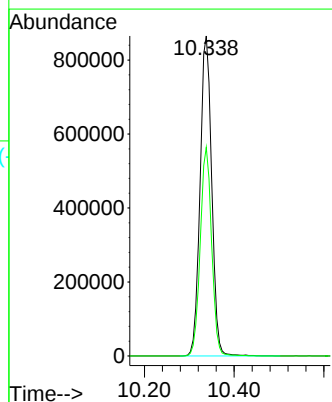
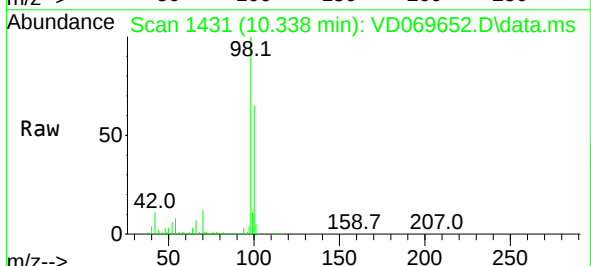


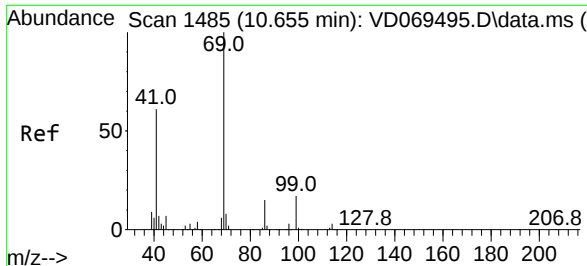
Tgt Ion:117 Resp: 68790
Ion Ratio Lower Upper
117 100
119 5.6 75.6 113.4#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 51.915 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069652.D
Acq: 09 Jul 2021 17:58

Tgt Ion: 98 Resp: 1550498
Ion Ratio Lower Upper
98 100
100 64.1 52.3 78.5

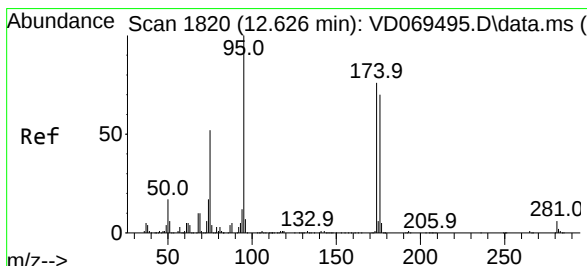
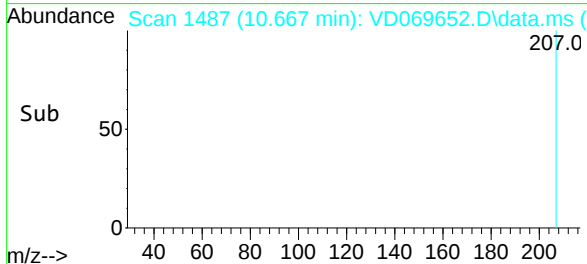
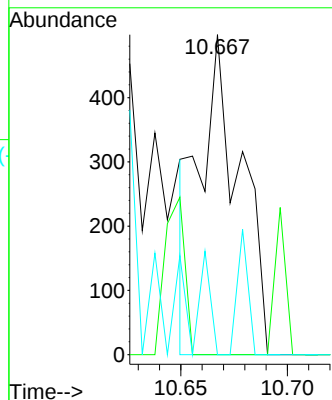
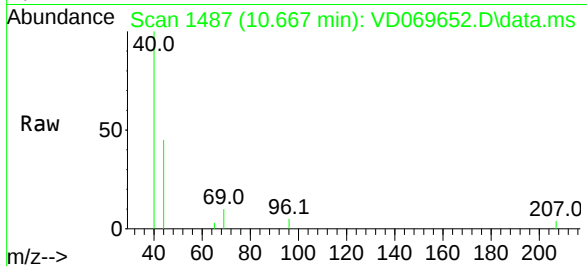




#56
Ethyl methacrylate
Concen: 2.665 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD069652.D
Acq: 09 Jul 2021 17:58

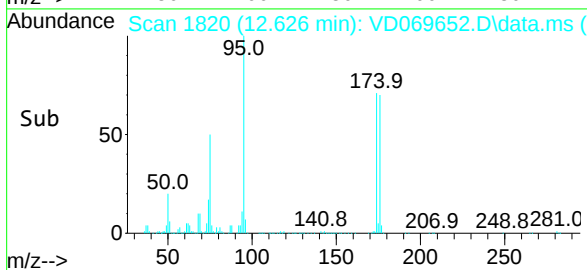
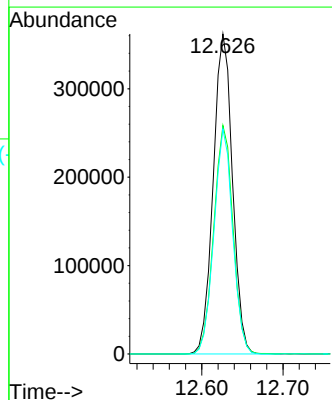
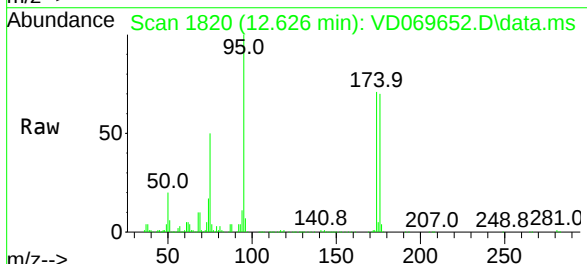
Instrument :
MSVOA_D
ClientSampleId :
TP-I

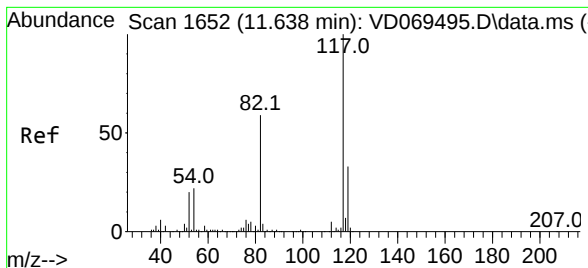
Tgt Ion: 69	Resp: 660
Ion Ratio	Lower Upper
69 100	
41 23.9	49.4 74.0#
39 16.8	26.9 40.3#



#62
4-Bromofluorobenzene
Concen: 60.656 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069652.D
Acq: 09 Jul 2021 17:58

Tgt Ion: 95	Resp: 595563
Ion Ratio	Lower Upper
95 100	
174 71.6	0.0 148.0
176 68.6	0.0 139.8

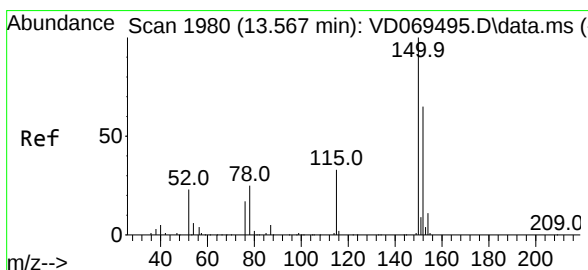
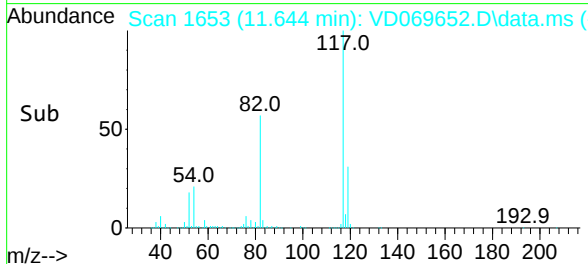
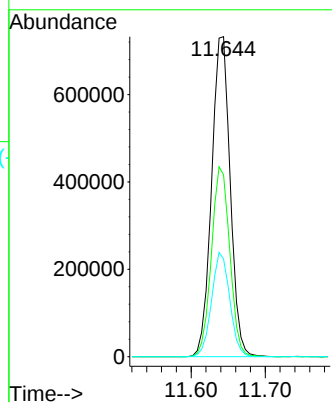
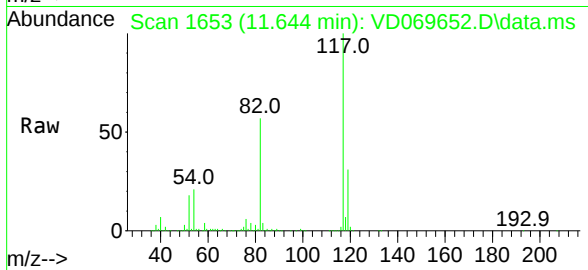




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069652.D
Acq: 09 Jul 2021 17:58

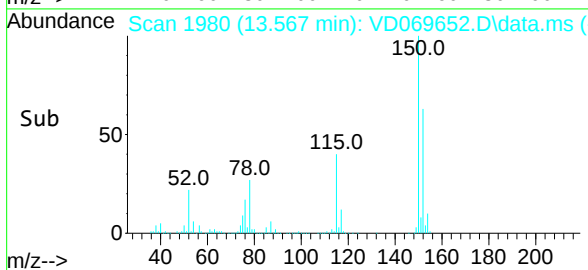
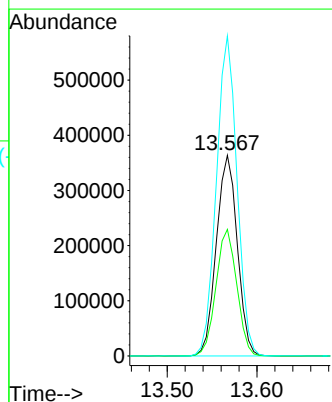
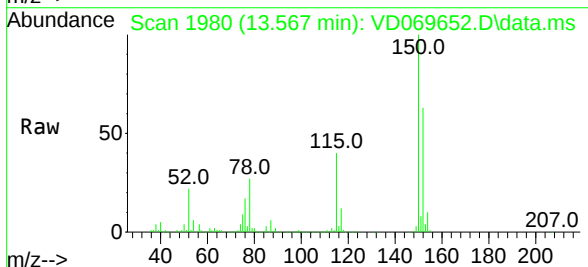
Instrument :
MSVOA_D
ClientSampleId :
TP-I

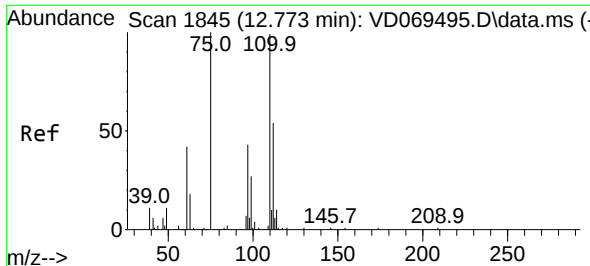
Tgt Ion:117 Resp: 1277299
Ion Ratio Lower Upper
117 100
82 56.8 46.8 70.2
119 30.5 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069652.D
Acq: 09 Jul 2021 17:58

Tgt Ion:152 Resp: 590543
Ion Ratio Lower Upper
152 100
115 62.8 31.7 95.1
150 156.9 0.0 350.8

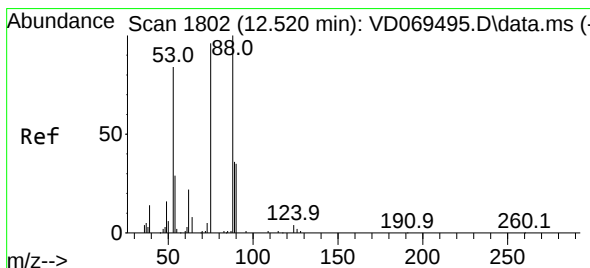
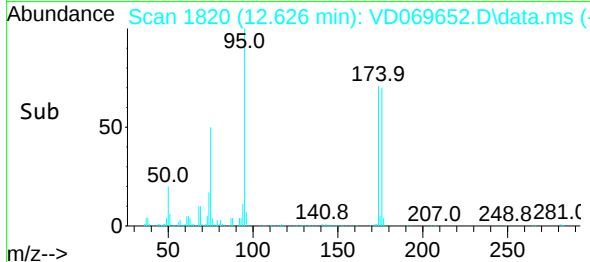
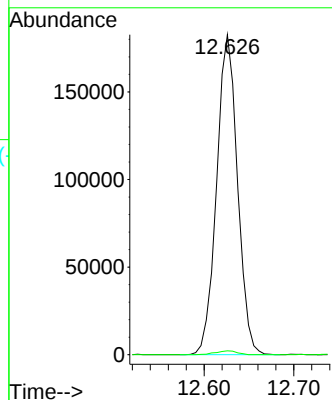
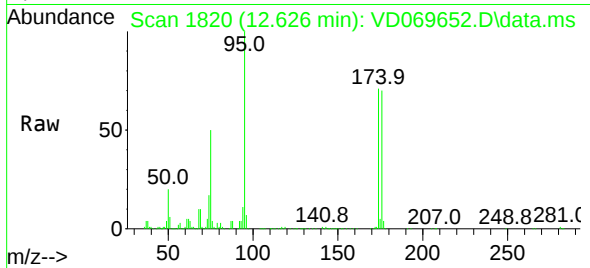




#76
1,2,3-Trichloropropane
Concen: 50.869 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069652.D
Acq: 09 Jul 2021 17:58

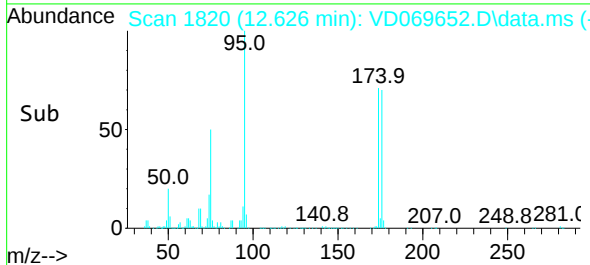
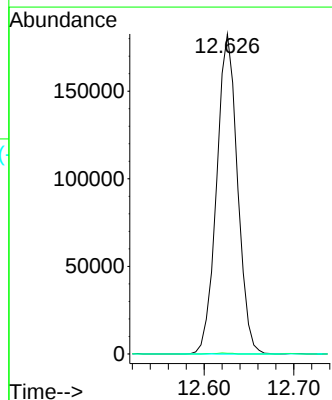
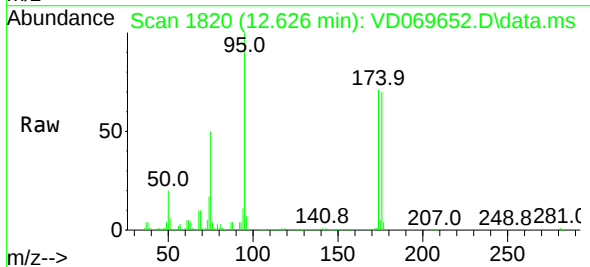
Instrument :
MSVOA_D
ClientSampleId :
TP-I

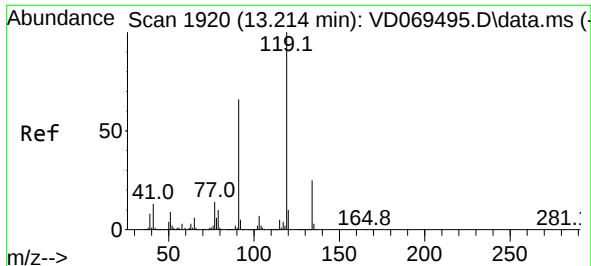
Tgt Ion: 75 Resp: 294884
Ion Ratio Lower Upper
75 100
77 1.2 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.013 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069652.D
Acq: 09 Jul 2021 17:58

Tgt Ion: 75 Resp: 294884
Ion Ratio Lower Upper
75 100
53 0.2 74.6 112.0#
89 0.0 35.3 52.9#

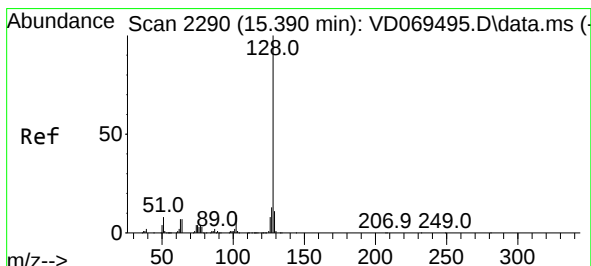
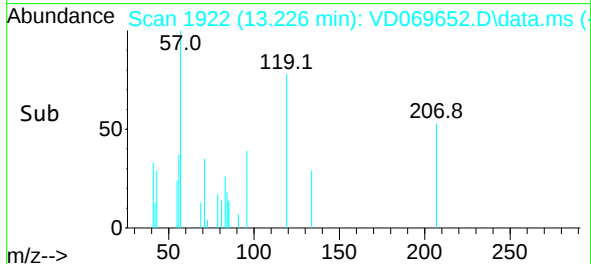
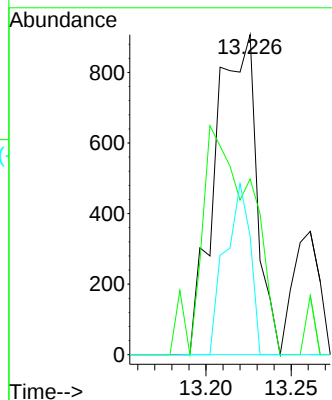
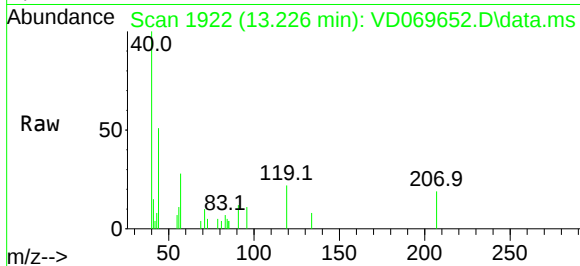




#83
tert-Butylbenzene
Concen: 2.040 ug/l
RT: 13.226 min Scan# 1922
Delta R.T. 0.012 min
Lab File: VD069652.D
Acq: 09 Jul 2021 17:58

Instrument :
MSVOA_D
ClientSampled :
TP-I

Tgt Ion:119 Resp: 1531
Ion Ratio Lower Upper
119 100
91 0.0 32.5 97.4#
134 32.4 12.9 38.7



#95
Naphthalene
Concen: 3.413 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069652.D
Acq: 09 Jul 2021 17:58

Tgt Ion:128 Resp: 1166
Ion Ratio Lower Upper
128 100
127 14.4 10.6 16.0
129 0.0 8.7 13.1#

