

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061621\
 Data File : VD069455.D
 Acq On : 16 Jun 2021 09:22
 Operator : VA/SY
 Sample : VD0616SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 17 02:45:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 12:50:13 2021
 Response via : Initial Calibration

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

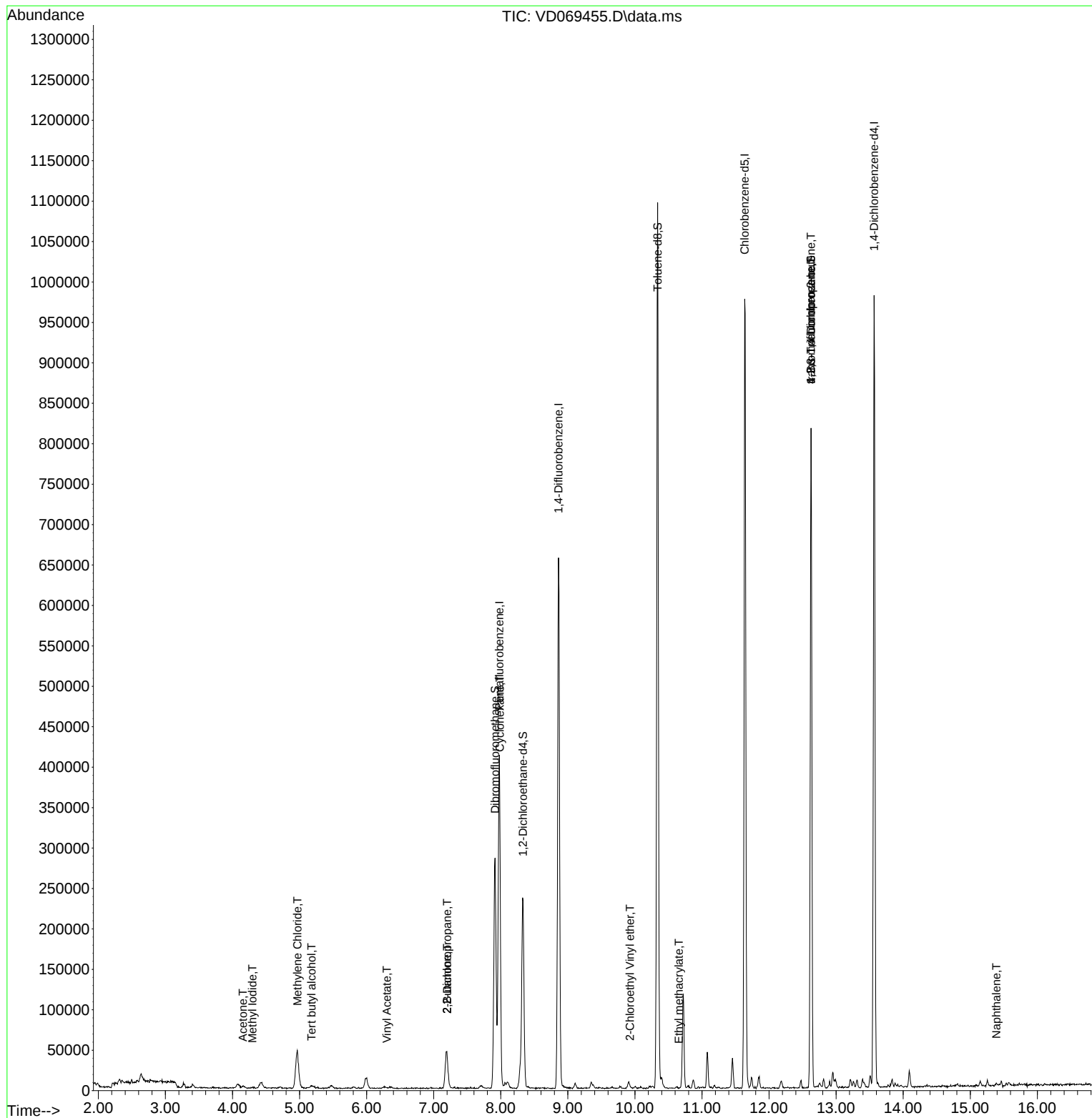
Internal Standards						
1) Pentafluorobenzene	7.979	168	296403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	585540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	603264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	271258	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	186692	55.831	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.660%			
35) Dibromofluoromethane	7.914	113	205600	46.880	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.760%			
50) Toluene-d8	10.338	98	746118	46.514	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.020%			
62) 4-Bromofluorobenzene	12.626	95	248976	48.375	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.740%			
Target Compounds					Qvalue	
5) Bromomethane	2.773	94	2548	Below Cal		93
10) Methyl Iodide	4.297	142	1396	3.698 ug/l #		68
11) Tert butyl alcohol	5.179	59	1946	11.194 ug/l #		73
16) Acetone	4.156	43	4577	8.269 ug/l #		58
18) Methyl Acetate	4.926	43	72	Below Cal #		46
20) Methylene Chloride	4.967	84	38618	3.165 ug/l		87
23) Vinyl Acetate	6.303	43	1214	17.816 ug/l #		67
25) 2-Butanone	7.203	43	2064	2.991 ug/l #		45
26) 2,2-Dichloropropane	7.203	77	5629	1.044 ug/l #		65
31) Cyclohexane	7.985	56	8281	1.822 ug/l #		61
56) Ethyl methacrylate	10.655	69	282	2.891 ug/l #		80
58) 2-Chloroethyl Vinyl ether	9.926	63	260	12.066 ug/l #		44
76) 1,2,3-Trichloropropane	12.626	75	123952	45.072 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	123952	120.240 ug/l #		18
95) Naphthalene	15.390	128	3822	3.948 ug/l #		85

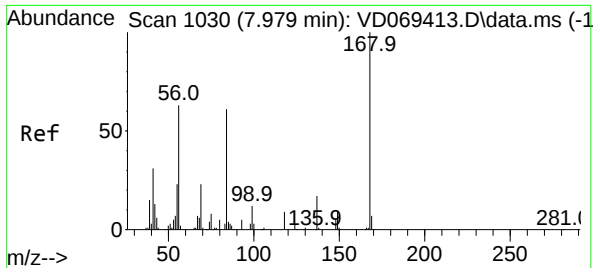
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
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Quant Time: Jun 17 02:45:04 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 11 12:50:13 2021
Response via : Initial Calibration

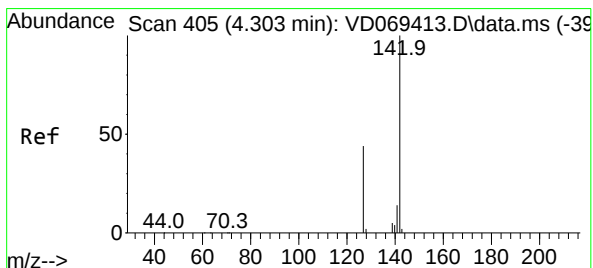
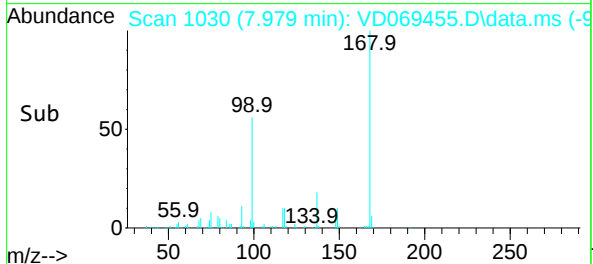
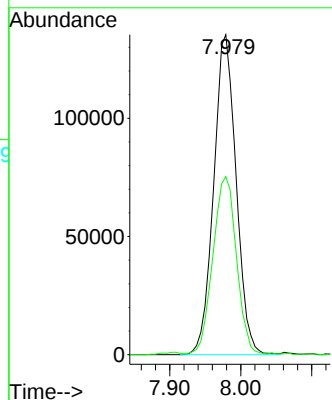
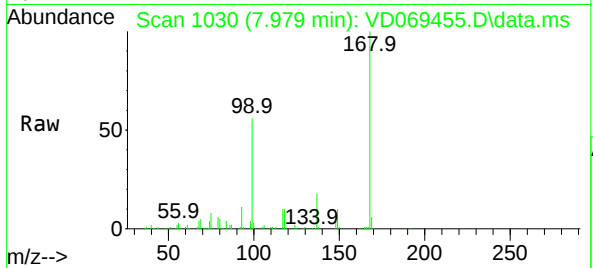




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069455.D
Acq: 16 Jun 2021 09:22

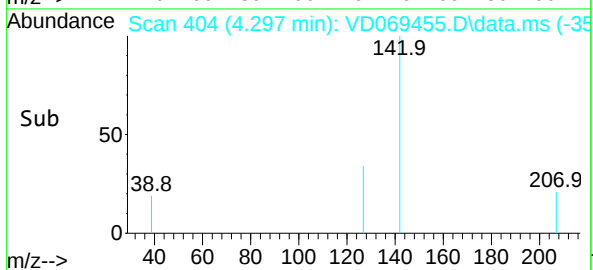
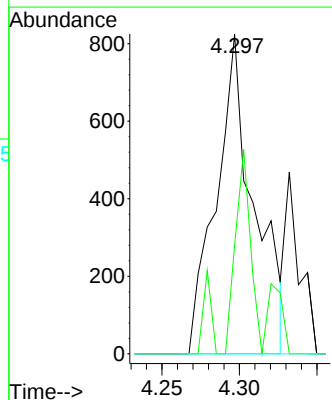
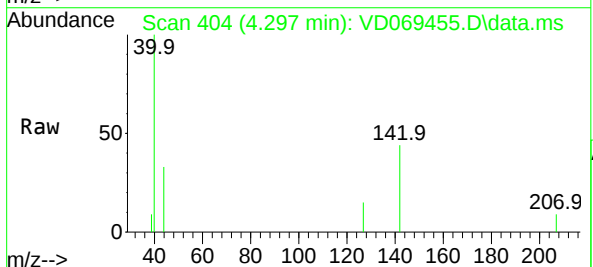
Instrument :
MSVOA_D
ClientSampleId :

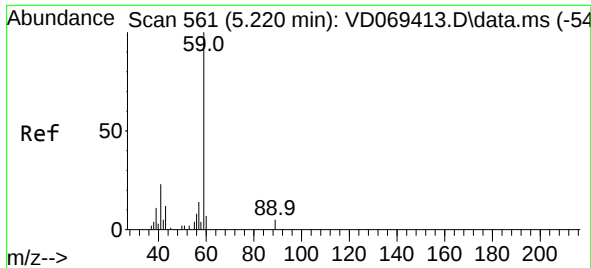
Tgt Ion:168 Resp: 296403
Ion Ratio Lower Upper
168 100
99 55.4 46.2 69.2



#10
Methyl Iodide
Concen: 3.698 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069455.D
Acq: 16 Jun 2021 09:22

Tgt Ion:142 Resp: 1396
Ion Ratio Lower Upper
142 100
127 25.6 36.2 54.2#
141 0.0 12.2 18.2#

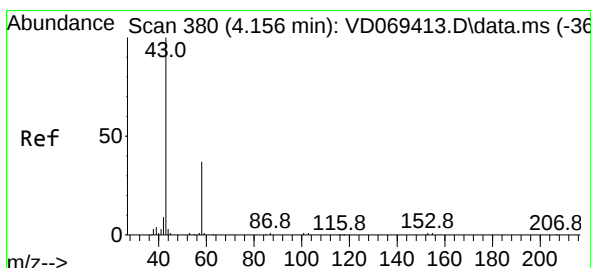
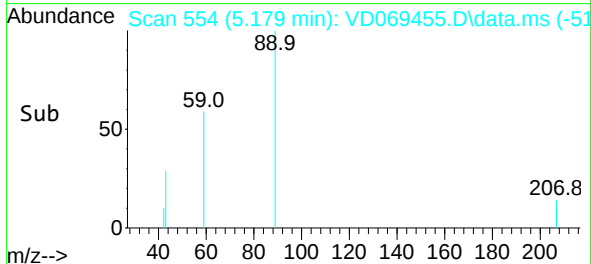
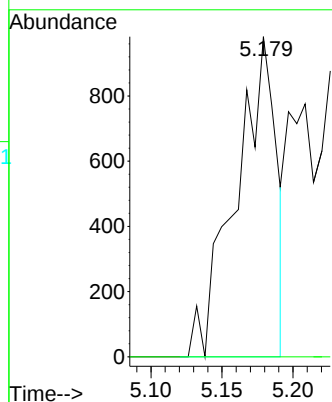
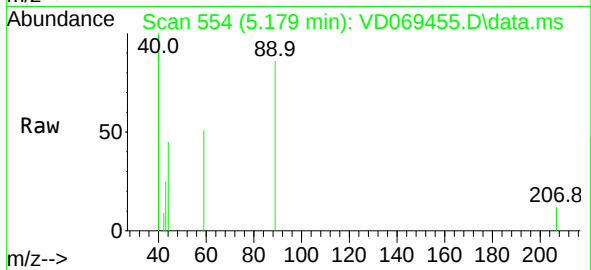




#11
Tert butyl alcohol
Concen: 11.194 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.041 min
Lab File: VD069455.D
Acq: 16 Jun 2021 09:22

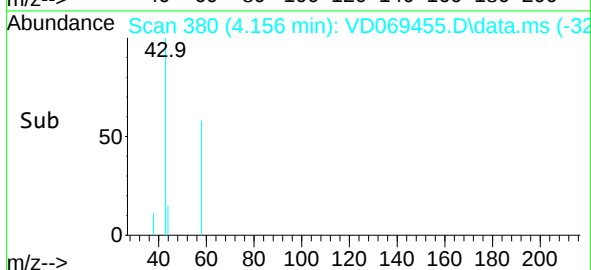
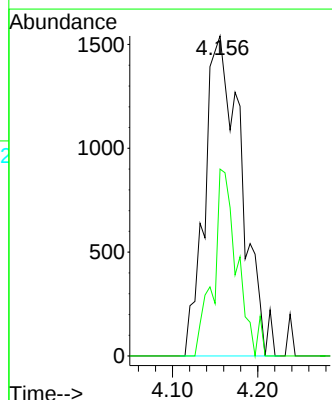
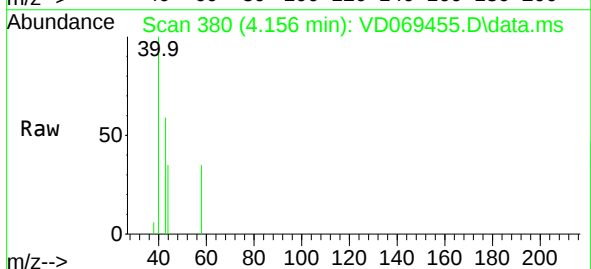
Instrument :
MSVOA_D
ClientSampled :

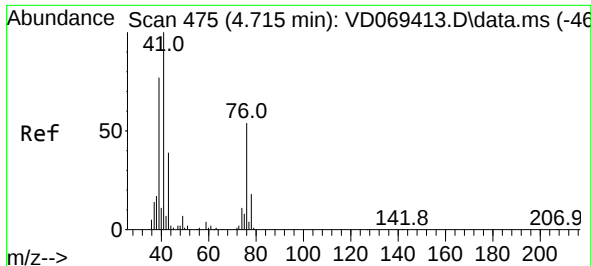
Tgt Ion: 59 Resp: 1946
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 8.269 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069455.D
Acq: 16 Jun 2021 09:22

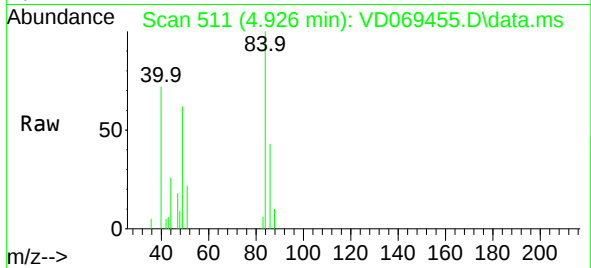
Tgt Ion: 43 Resp: 4577
Ion Ratio Lower Upper
43 100
58 58.4 27.5 41.3#



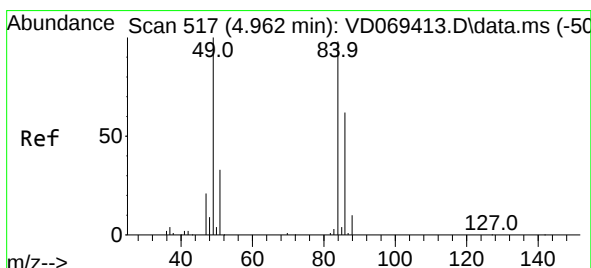
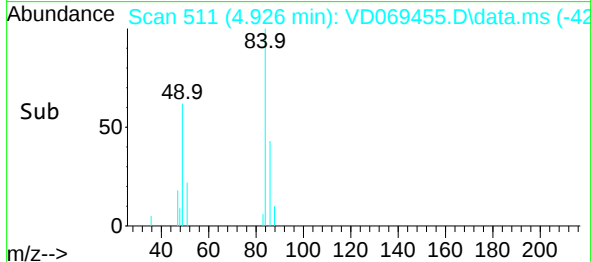
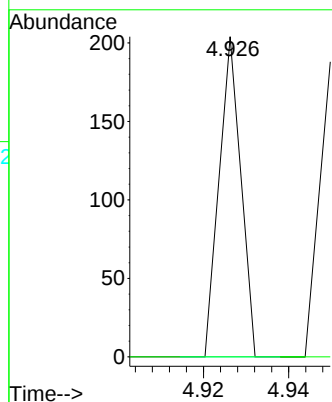


#18
Methyl Acetate
Concen: Below Cal
RT: 4.926 min Scan# 511
Delta R.T. 0.211 min
Lab File: VD069455.D
Acq: 16 Jun 2021 09:22

Instrument :
MSVOA_D
ClientSampleId :

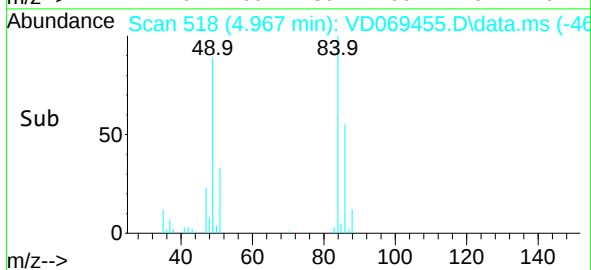
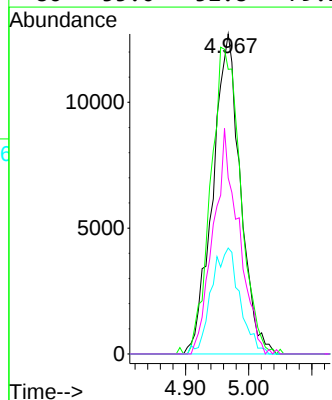
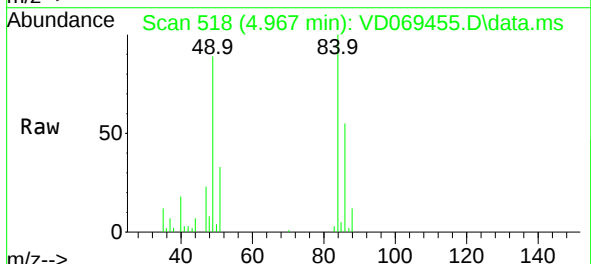


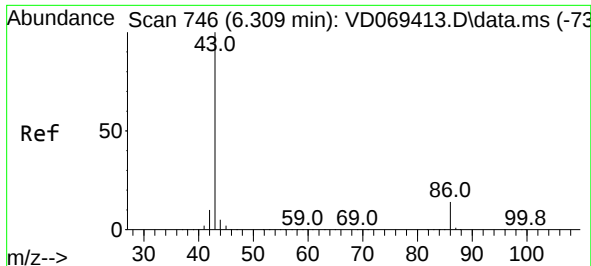
Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#



#20
Methylene Chloride
Concen: 3.165 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069455.D
Acq: 16 Jun 2021 09:22

Tgt Ion: 84 Resp: 38618
Ion Ratio Lower Upper
84 100
49 87.5 83.7 125.5
51 33.1 26.4 39.6
86 55.0 52.8 79.2

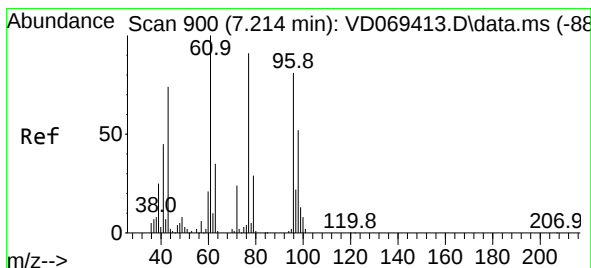
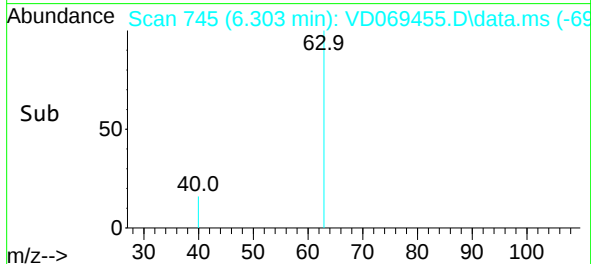
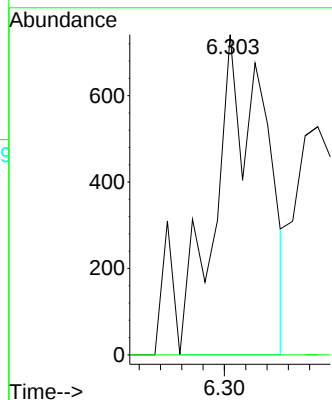
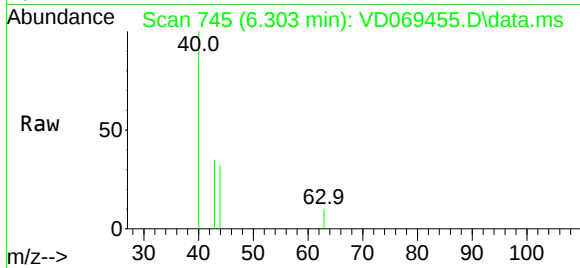




#23
 Vinyl Acetate
 Concen: 17.816 ug/l
 RT: 6.303 min Scan# 745
 Delta R.T. -0.006 min
 Lab File: VD069455.D
 Acq: 16 Jun 2021 09:22

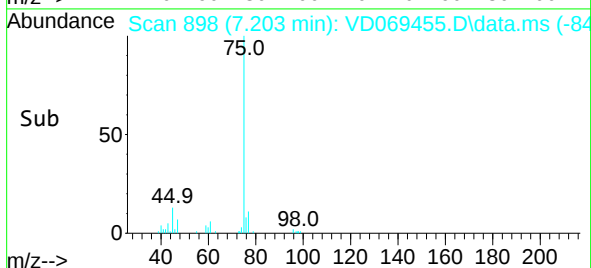
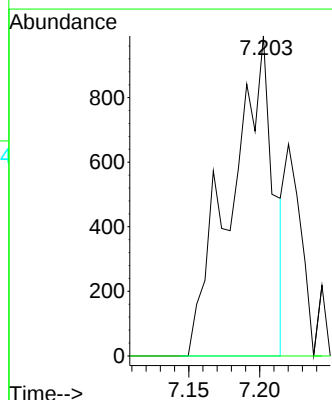
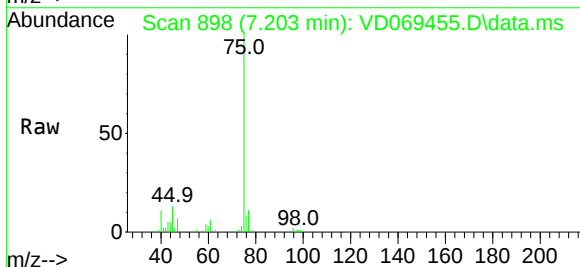
Instrument :
 MSVOA_D
 ClientSampleId :

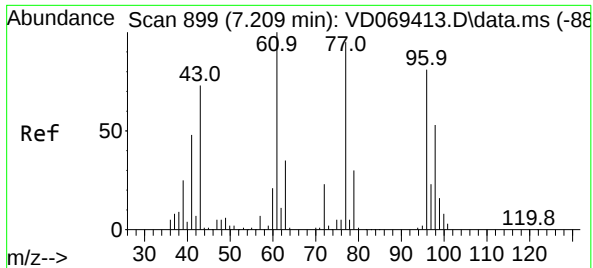
Tgt Ion: 43 Resp: 1214
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.5 15.7#



#25
 2-Butanone
 Concen: 2.991 ug/l
 RT: 7.203 min Scan# 898
 Delta R.T. -0.011 min
 Lab File: VD069455.D
 Acq: 16 Jun 2021 09:22

Tgt Ion: 43 Resp: 2064
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.9 35.9#

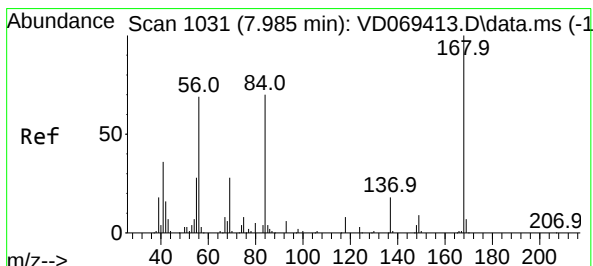
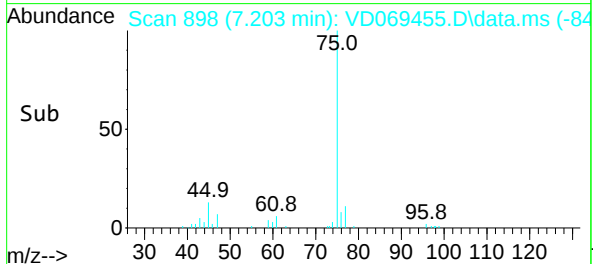
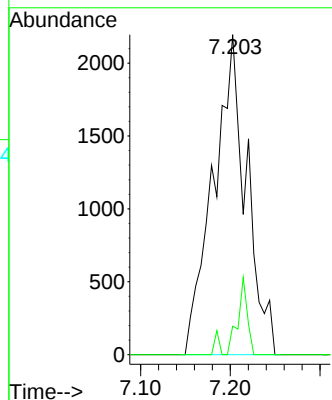
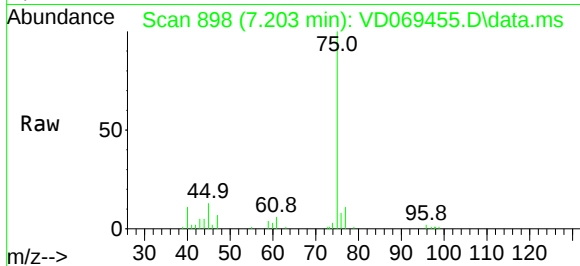




#26
2,2-Dichloropropane
Concen: 1.044 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD069455.D
Acq: 16 Jun 2021 09:22

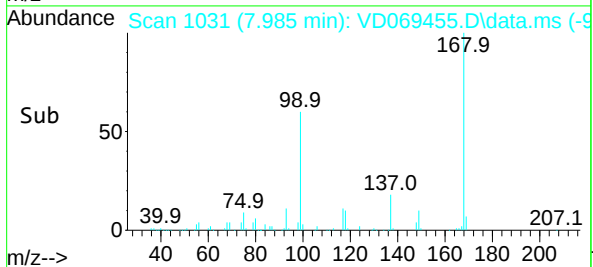
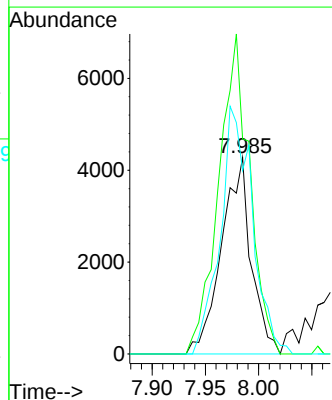
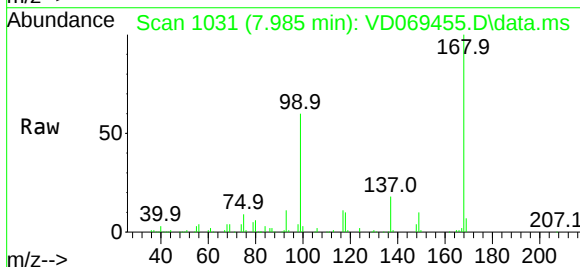
Instrument :
MSVOA_D
ClientSampled :

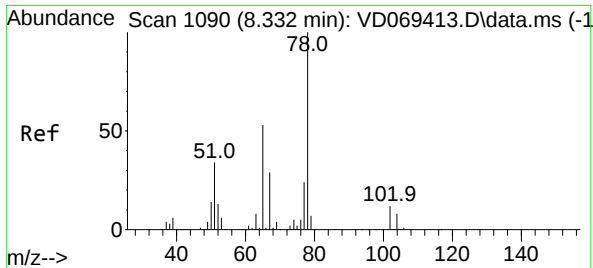
Tgt Ion: 77 Resp: 5629
Ion Ratio Lower Upper
77 100
97 6.9 12.1 36.3#



#31
Cyclohexane
Concen: 1.822 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069455.D
Acq: 16 Jun 2021 09:22

Tgt Ion: 56 Resp: 8281
Ion Ratio Lower Upper
56 100
69 109.4 29.0 43.4#
84 93.4 81.1 121.7

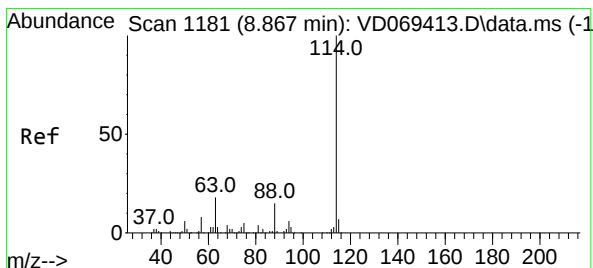
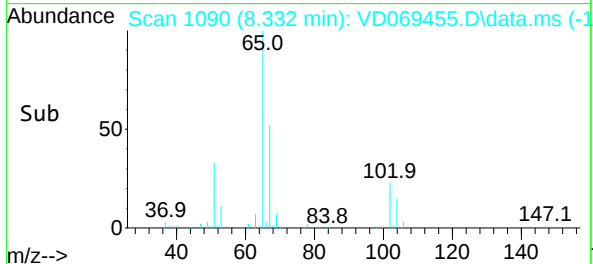
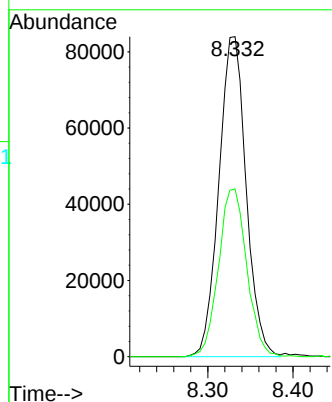
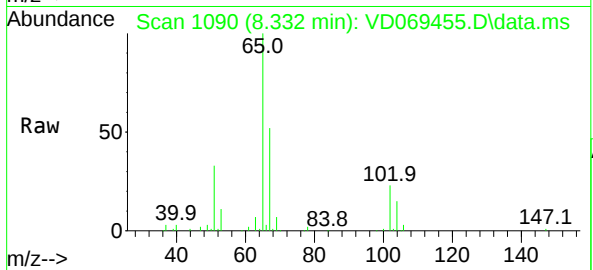




#33
1,2-Dichloroethane-d4
Concen: 55.831 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069455.D
Acq: 16 Jun 2021 09:22

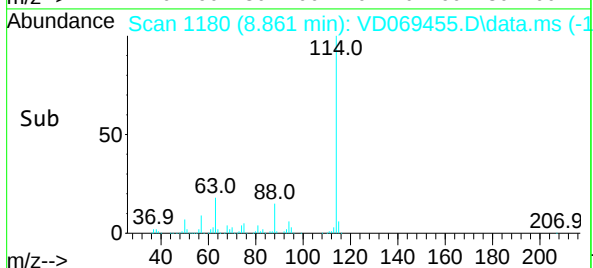
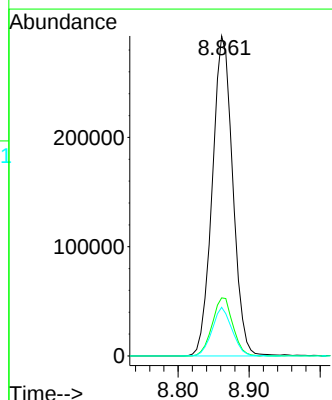
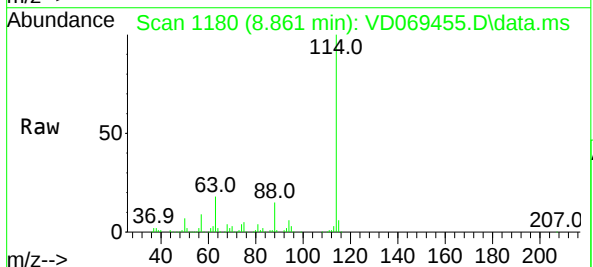
Instrument :
MSVOA_D
ClientSampled :

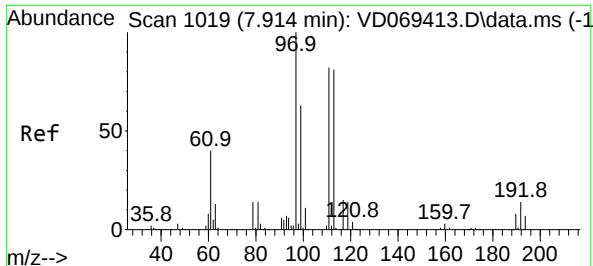
Tgt Ion: 65 Resp: 186692
Ion Ratio Lower Upper
65 100
67 54.4 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069455.D
Acq: 16 Jun 2021 09:22

Tgt Ion: 114 Resp: 585540
Ion Ratio Lower Upper
114 100
63 18.1 0.0 35.6
88 15.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 46.880 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069455.D

Acq: 16 Jun 2021 09:22

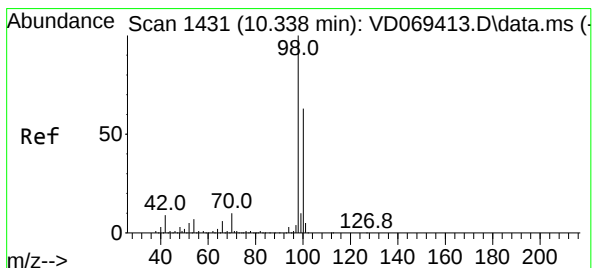
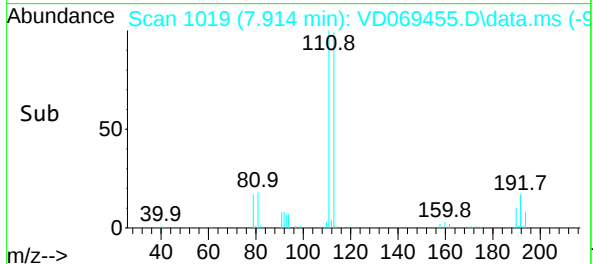
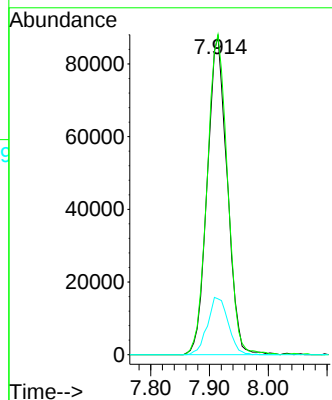
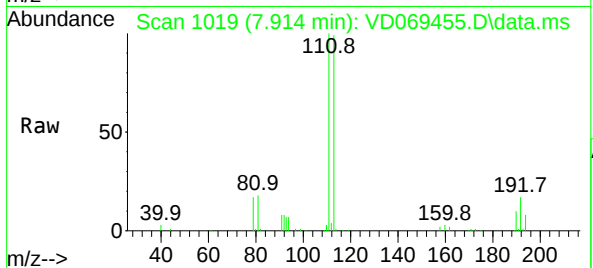
Tgt Ion:113 Resp: 205600

Ion Ratio Lower Upper

113 100

111 102.9 83.0 124.6

192 18.7 15.1 22.7



#50

Toluene-d8

Concen: 46.514 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD069455.D

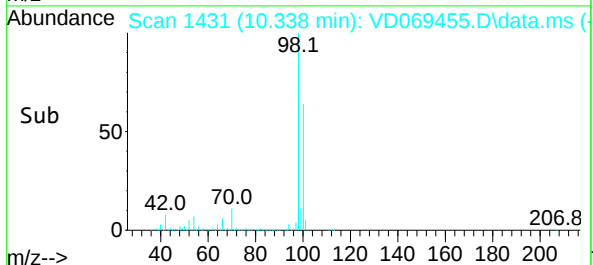
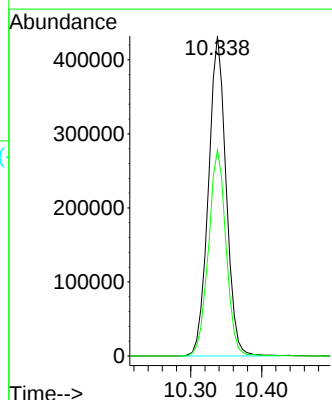
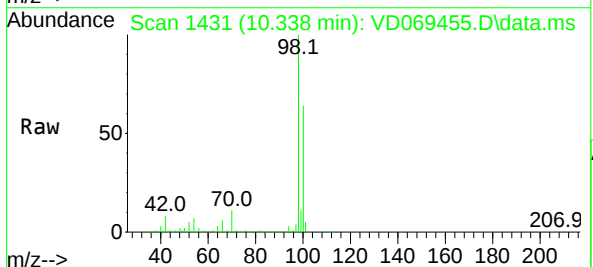
Acq: 16 Jun 2021 09:22

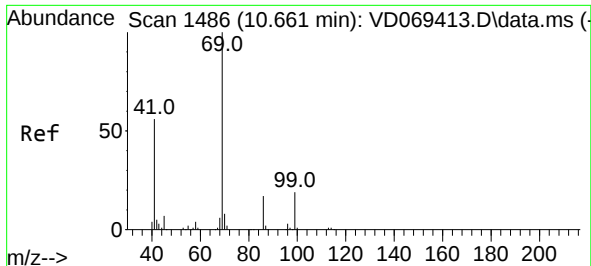
Tgt Ion: 98 Resp: 746118

Ion Ratio Lower Upper

98 100

100 64.2 52.1 78.1

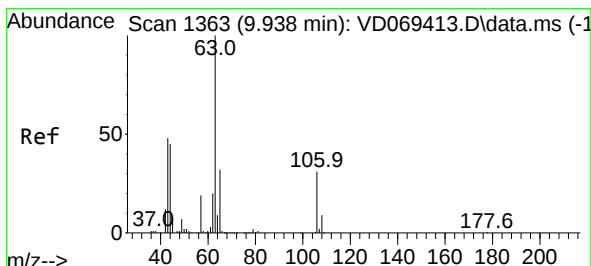
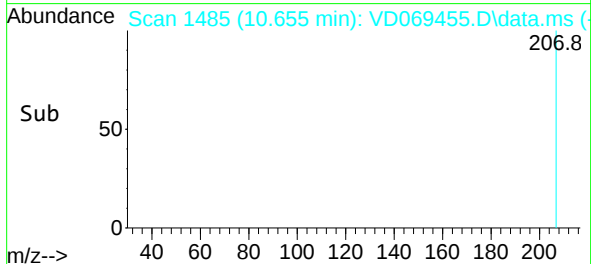
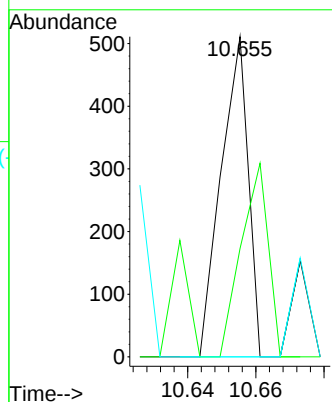
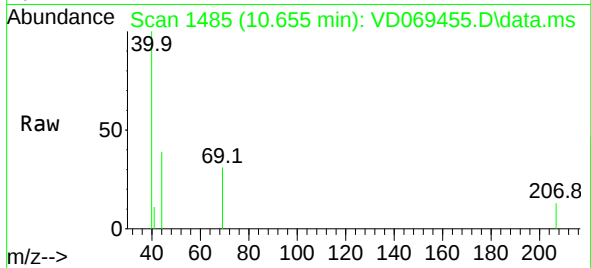




#56
Ethyl methacrylate
Concen: 2.891 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VD069455.D
Acq: 16 Jun 2021 09:22

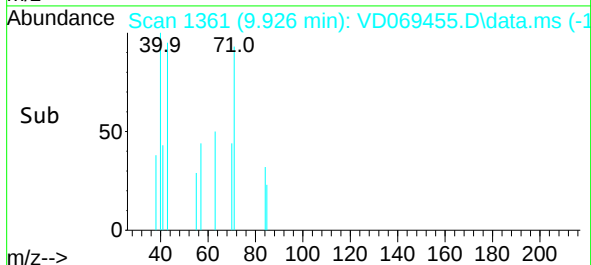
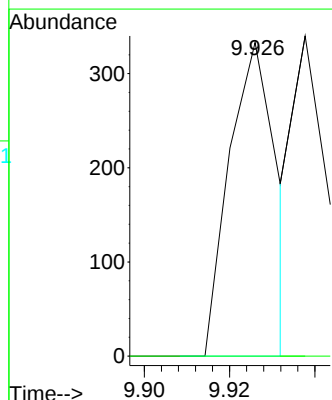
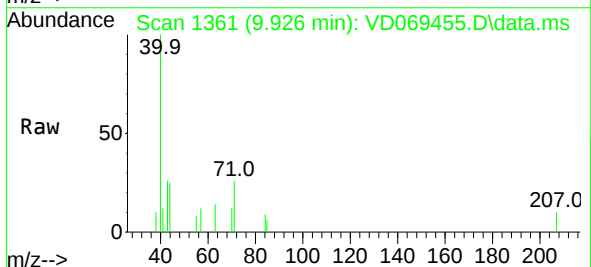
Instrument :
MSVOA_D
ClientSampleId :

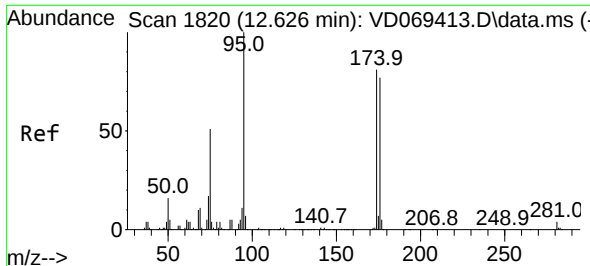
Tgt Ion: 69 Resp: 282
Ion Ratio Lower Upper
69 100
41 60.3 45.4 68.2
39 0.0 21.7 32.5#



#58
2-Chloroethyl Vinyl ether
Concen: 12.066 ug/l
RT: 9.926 min Scan# 1361
Delta R.T. -0.012 min
Lab File: VD069455.D
Acq: 16 Jun 2021 09:22

Tgt Ion: 63 Resp: 260
Ion Ratio Lower Upper
63 100
106 0.0 24.8 37.2#

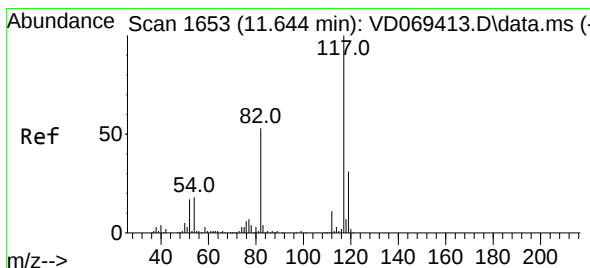
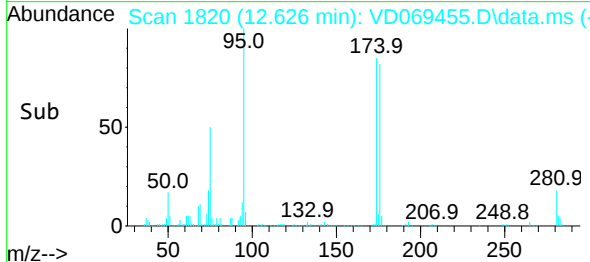
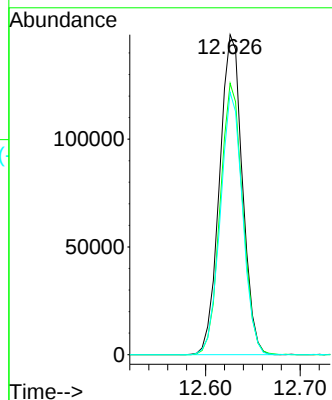
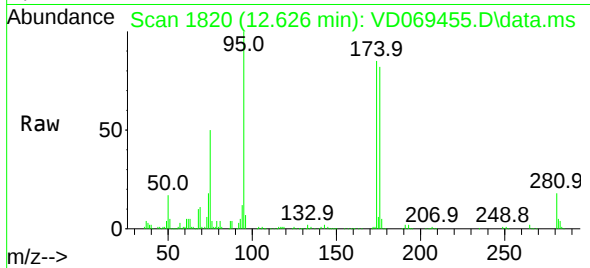




#62
4-Bromofluorobenzene
Concen: 48.375 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069455.D
Acq: 16 Jun 2021 09:22

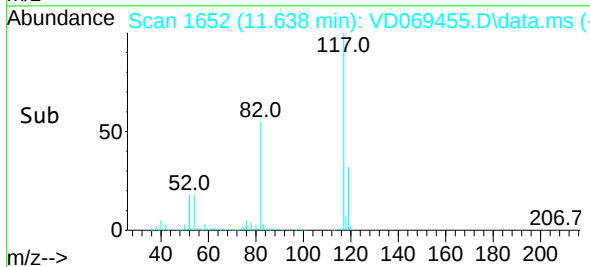
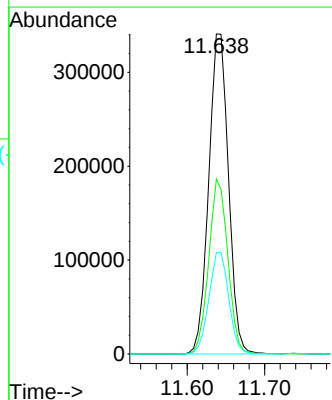
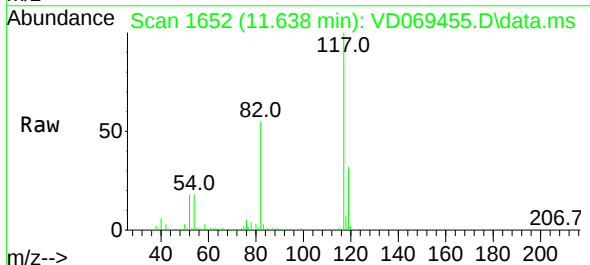
Instrument :
MSVOA_D
ClientSampleId :

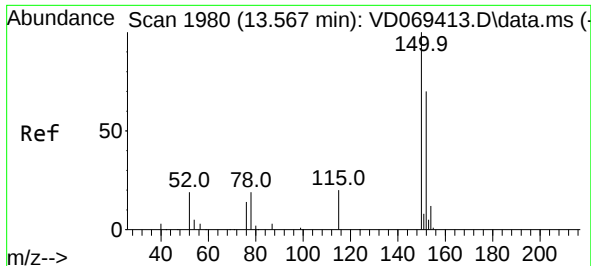
Tgt Ion:	95	Resp:	248976
Ion	Ratio	Lower	Upper
95	100		
174	83.3	0.0	162.8
176	79.5	0.0	154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.006 min
Lab File: VD069455.D
Acq: 16 Jun 2021 09:22

Tgt Ion:	117	Resp:	603264
Ion	Ratio	Lower	Upper
117	100		
82	54.7	43.3	64.9
119	31.6	25.3	37.9

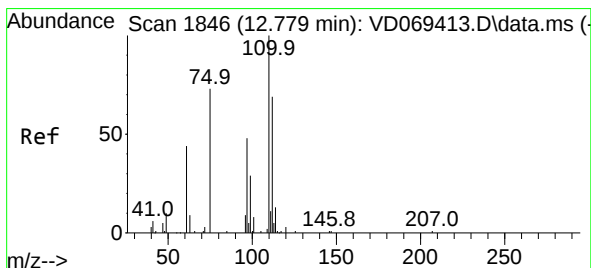
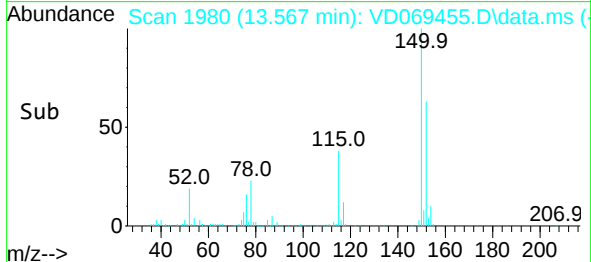
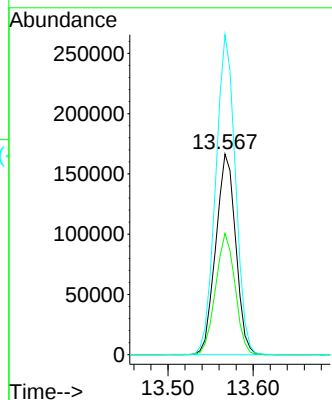
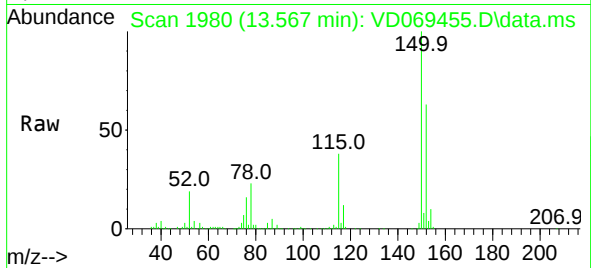




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069455.D
Acq: 16 Jun 2021 09:22

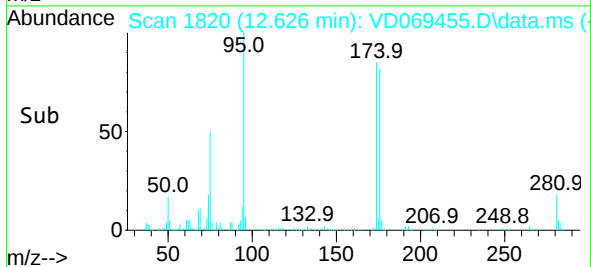
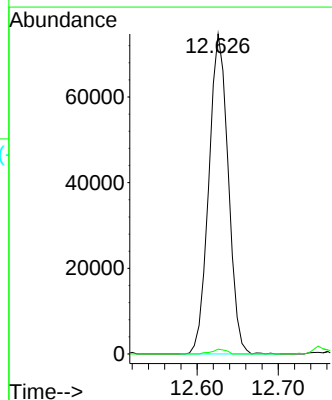
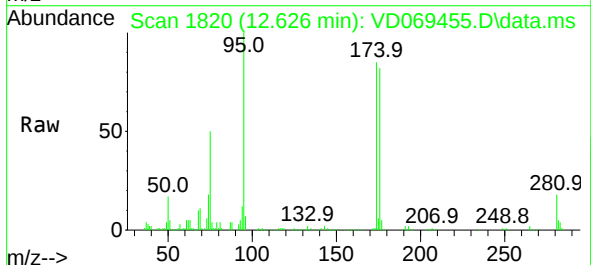
Instrument :
MSVOA_D
ClientSampleId :

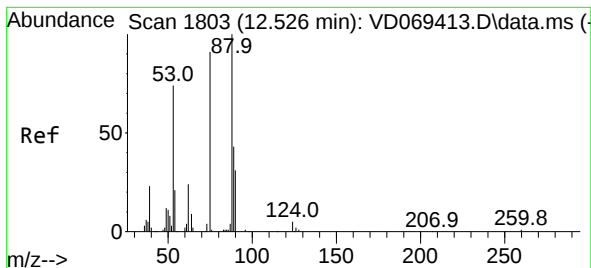
Tgt Ion:152 Resp: 271258
Ion Ratio Lower Upper
152 100
115 59.1 29.4 88.3
150 157.8 0.0 355.0



#76
1,2,3-Trichloropropane
Concen: 45.072 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069455.D
Acq: 16 Jun 2021 09:22

Tgt Ion: 75 Resp: 123952
Ion Ratio Lower Upper
75 100
77 1.1 183.8 551.2#

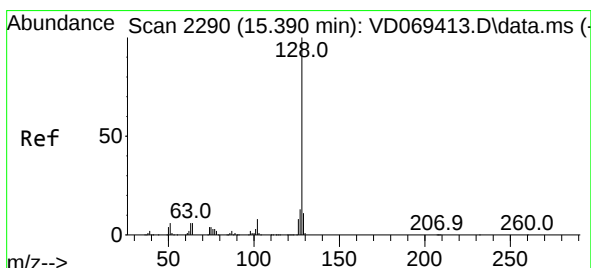
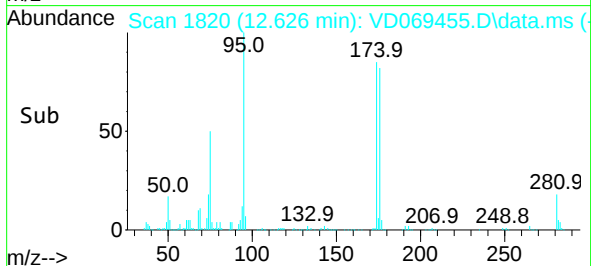
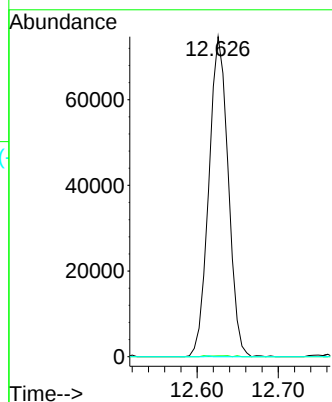
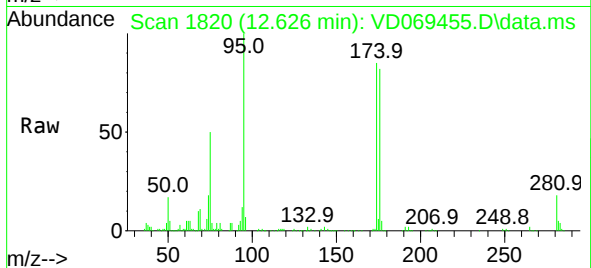




#81
trans-1,4-Dichloro-2-butene
Concen: 120.240 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069455.D
Acq: 16 Jun 2021 09:22

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 123952
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.0 35.6 53.4#



#95
Naphthalene
Concen: 3.948 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069455.D
Acq: 16 Jun 2021 09:22

Tgt Ion:128 Resp: 3822
Ion Ratio Lower Upper
128 100
127 14.2 10.4 15.6
129 0.0 8.8 13.2#

