

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062221\
 Data File : VD069516.D
 Acq On : 22 Jun 2021 15:16
 Operator : VA/SY
 Sample : M2773-02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 23 04:28:18 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)

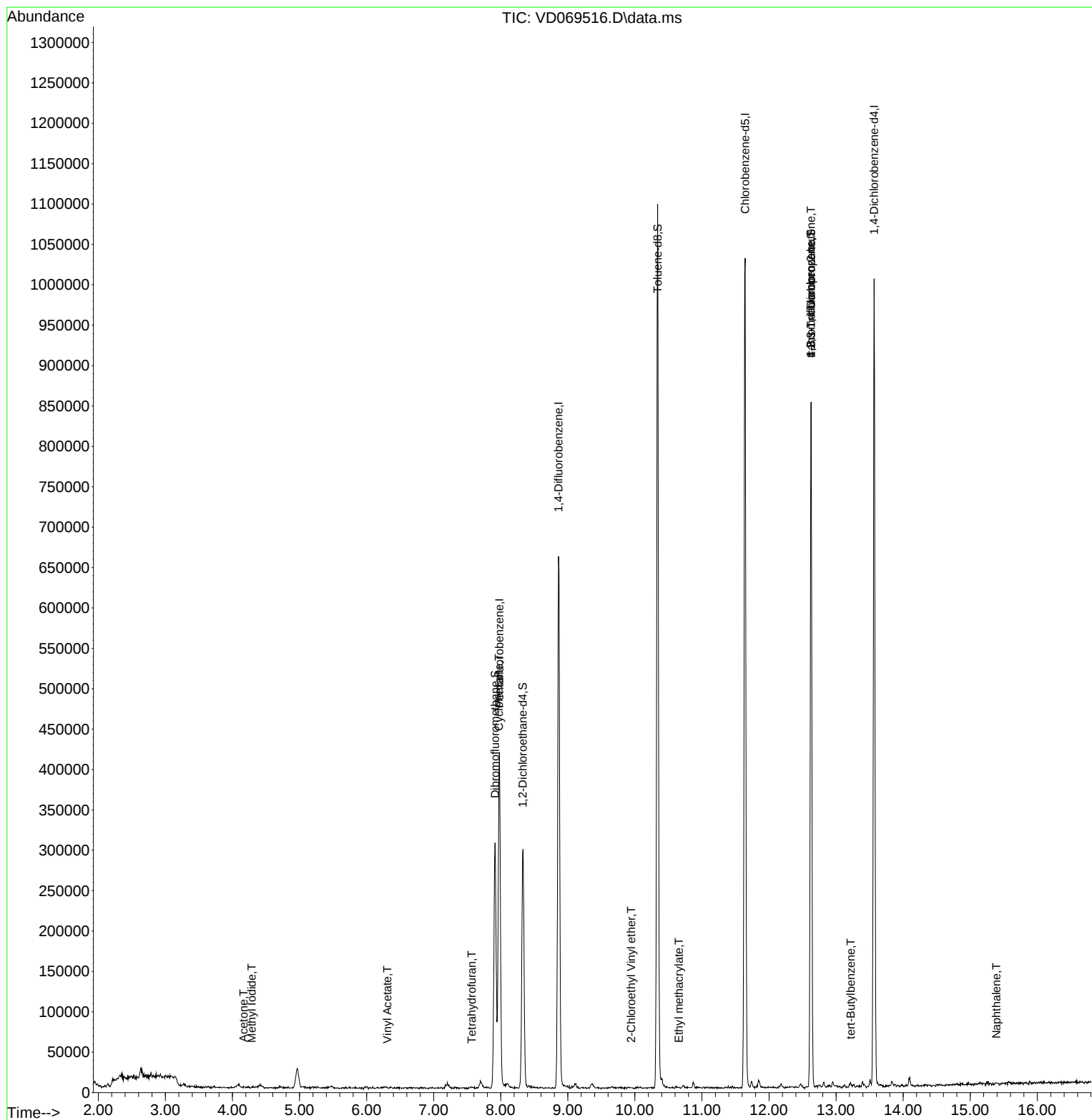
Internal Standards						
1) Pentafluorobenzene	7.979	168	290448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	553017	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	604292	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	260457	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	247180	68.274	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	136.540%
35) Dibromofluoromethane	7.914	113	218211	58.372	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	116.740%
50) Toluene-d8	10.338	98	732517	52.240	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.480%
62) 4-Bromofluorobenzene	12.626	95	254639	55.238	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	110.480%
Target Compounds					Qvalue	
5) Bromomethane	2.773	94	1834	Below Cal		98
10) Methyl Iodide	4.285	142	660	4.140 ug/l #		50
11) Tert butyl alcohol	5.226	59	1139	Below Cal #		83
16) Acetone	4.168	43	1887	3.097 ug/l #		41
18) Methyl Acetate	4.726	43	223	Below Cal #		49
20) Methylene Chloride	4.956	84	18808	Below Cal		87
23) Vinyl Acetate	6.309	43	278	19.060 ug/l #		70
29) Tetrahydrofuran	7.567	42	560	1.319 ug/l #		40
31) Cyclohexane	7.973	56	8298	1.702 ug/l #		1
56) Ethyl methacrylate	10.655	69	71	2.601 ug/l #		1
58) 2-Chloroethyl Vinyl ether	9.944	63	111	10.658 ug/l #		47
76) 1,2,3-Trichloropropane	12.626	75	132781	51.934 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	132781	129.672 ug/l #		12
83) tert-Butylbenzene	13.220	119	2260	2.153 ug/l		92
95) Naphthalene	15.390	128	960	3.465 ug/l #		69

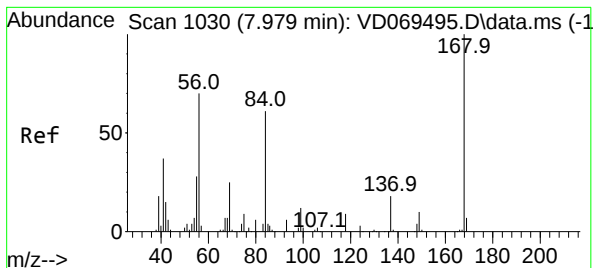
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD069516.D

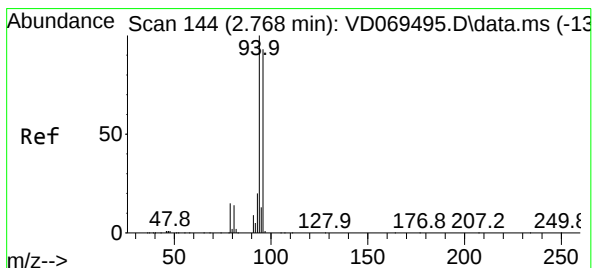
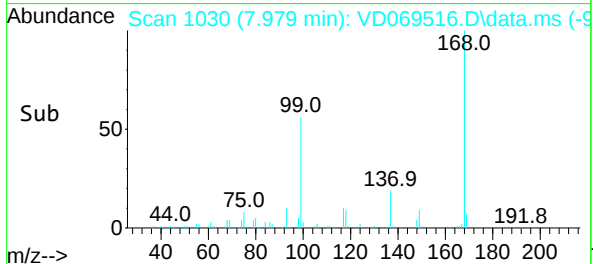
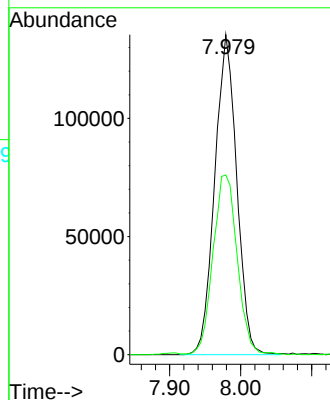
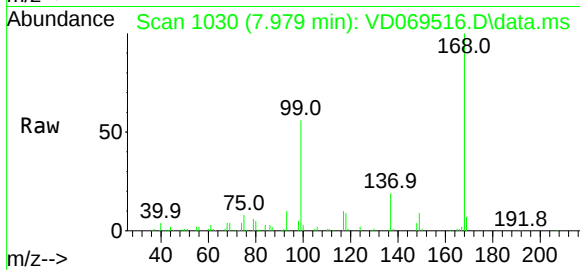
Acq: 22 Jun 2021 15:16

Tgt Ion:168 Resp: 290448

Ion Ratio Lower Upper

168 100

99 56.0 49.3 73.9



#5

Bromomethane

Concen: Below Cal

RT: 2.773 min Scan# 145

Delta R.T. 0.006 min

Lab File: VD069516.D

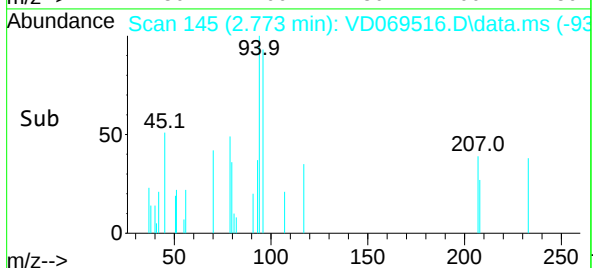
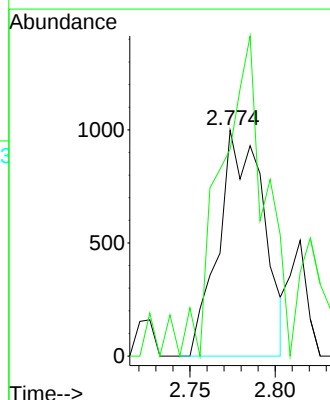
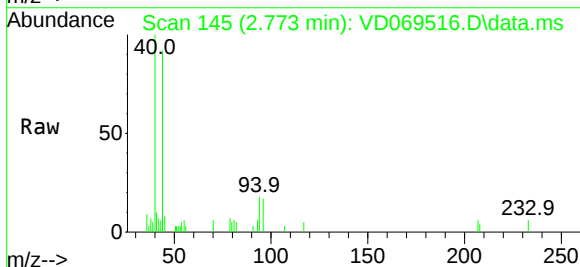
Acq: 22 Jun 2021 15:16

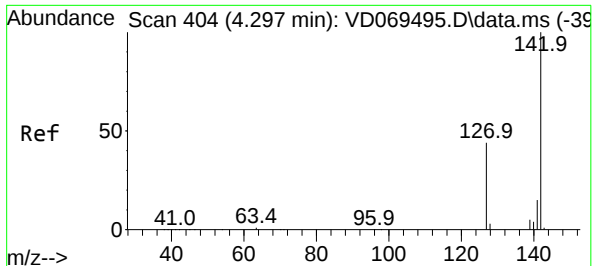
Tgt Ion: 94 Resp: 1834

Ion Ratio Lower Upper

94 100

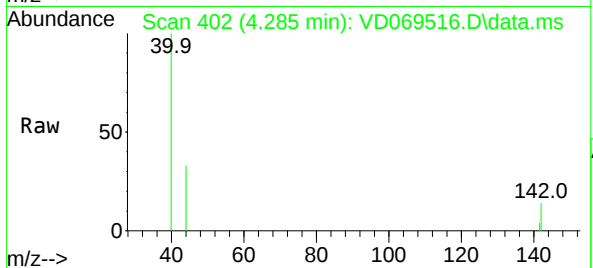
96 91.6 74.6 111.8



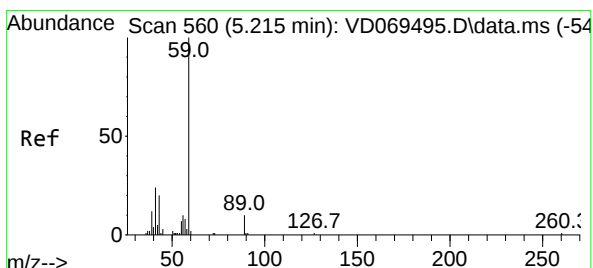
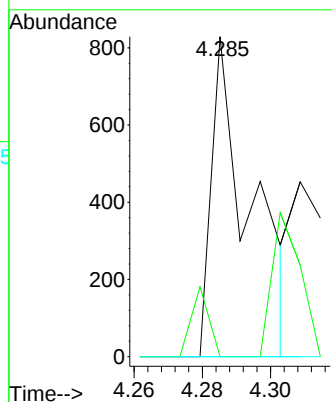
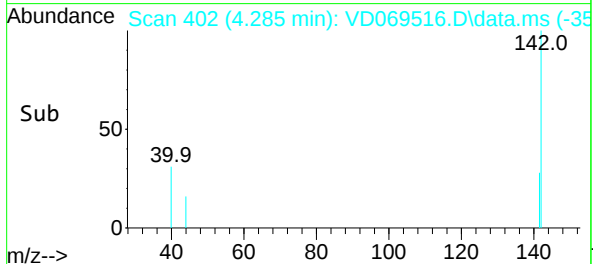


#10
Methyl Iodide
Concen: 4.140 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.012 min
Lab File: VD069516.D
Acq: 22 Jun 2021 15:16

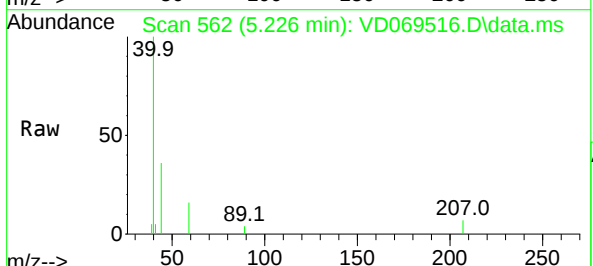
Instrument :
MSVOA_D
ClientSampled :



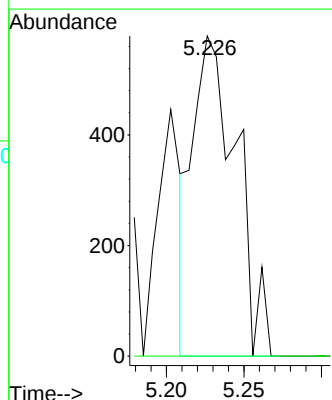
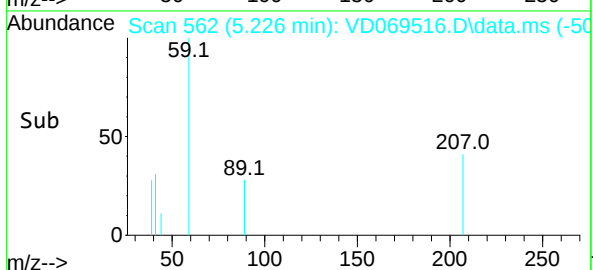
Tgt Ion:142 Resp: 660
Ion Ratio Lower Upper
142 100
127 9.7 36.5 54.7#
141 0.0 12.0 18.0#

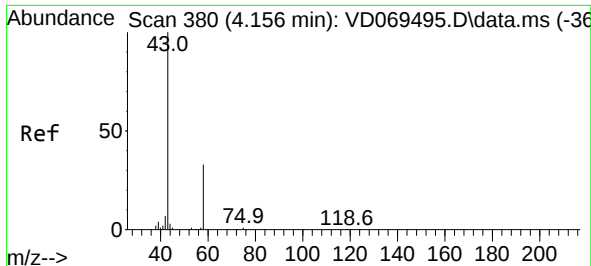


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.226 min Scan# 562
Delta R.T. 0.011 min
Lab File: VD069516.D
Acq: 22 Jun 2021 15:16



Tgt Ion: 59 Resp: 1139
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

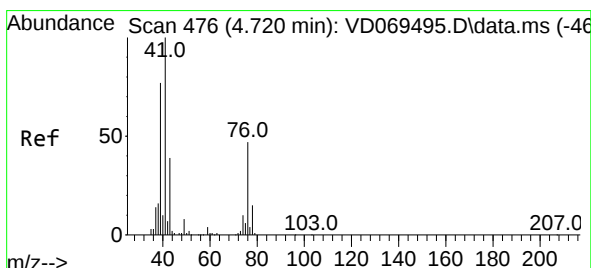
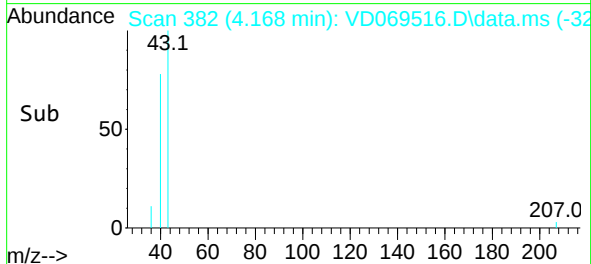
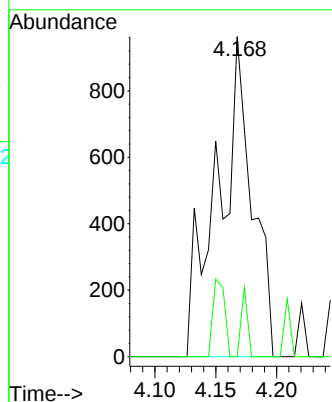
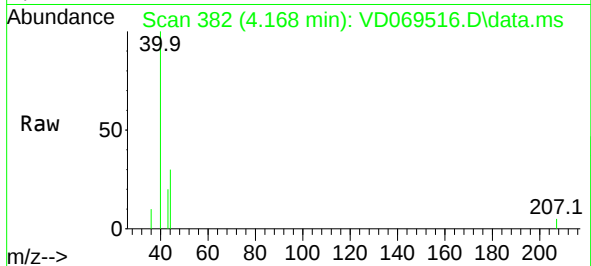




#16
Acetone
Concen: 3.097 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD069516.D
Acq: 22 Jun 2021 15:16

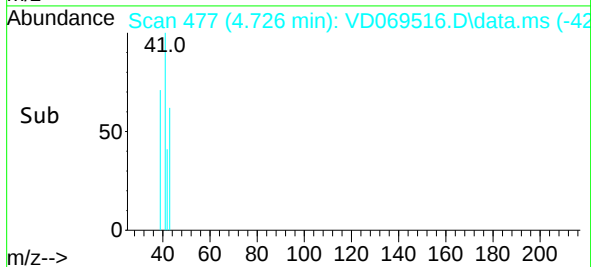
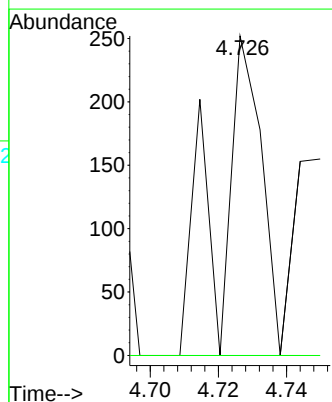
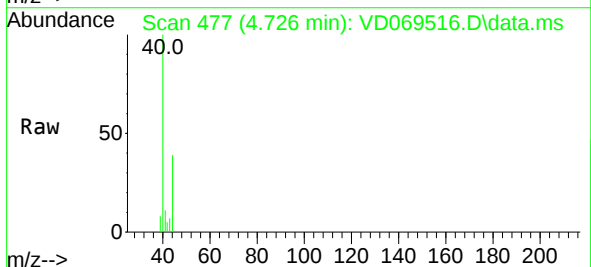
Instrument :
MSVOA_D
ClientSampled :

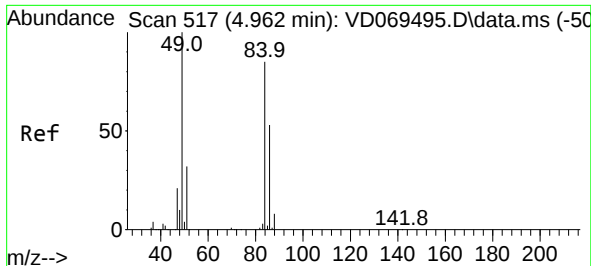
Tgt Ion: 43 Resp: 1887
Ion Ratio Lower Upper
43 100
58 0.0 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD069516.D
Acq: 22 Jun 2021 15:16

Tgt Ion: 43 Resp: 223
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

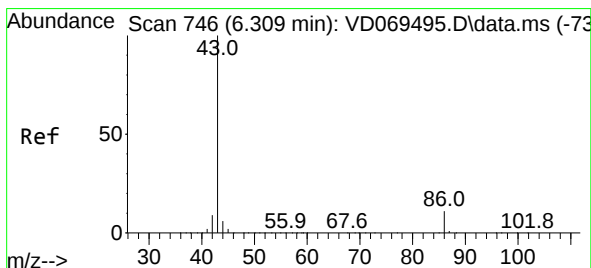
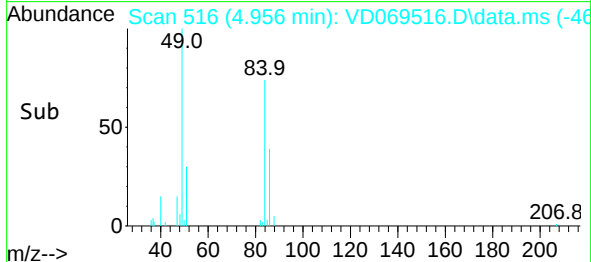
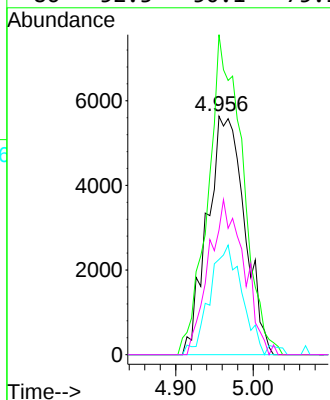
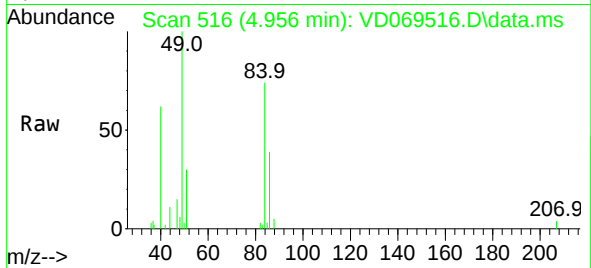




#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD069516.D
Acq: 22 Jun 2021 15:16

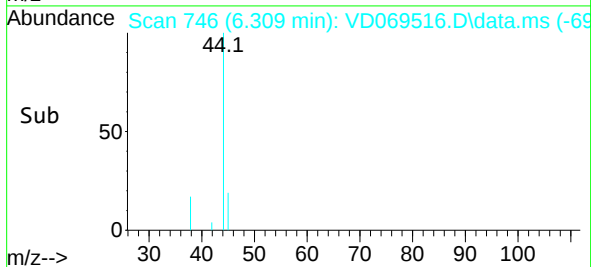
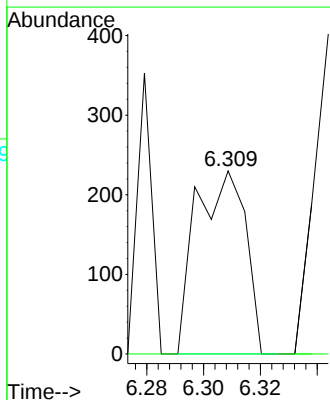
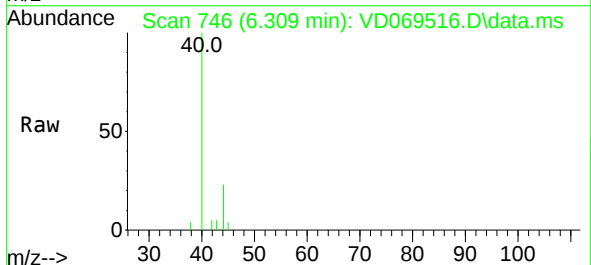
Instrument :
MSVOA_D
ClientSampleId :

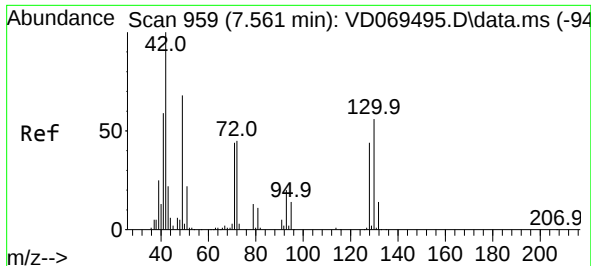
Tgt Ion:	84	Resp:	18808
Ion	Ratio	Lower	Upper
84	100		
49	134.3	94.0	141.0
51	39.9	29.7	44.5
86	52.3	50.1	75.1



#23
Vinyl Acetate
Concen: 19.060 ug/l
RT: 6.309 min Scan# 746
Delta R.T. -0.000 min
Lab File: VD069516.D
Acq: 22 Jun 2021 15:16

Tgt Ion:	43	Resp:	278
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#





#29

Tetrahydrofuran

Concen: 1.319 ug/l

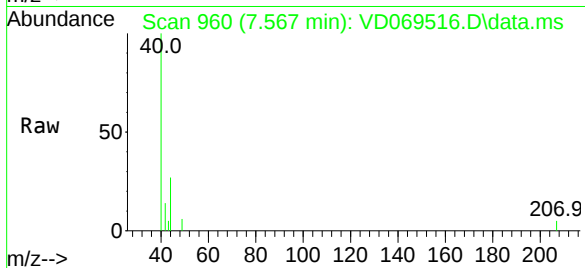
RT: 7.567 min Scan# 960

Delta R.T. 0.006 min

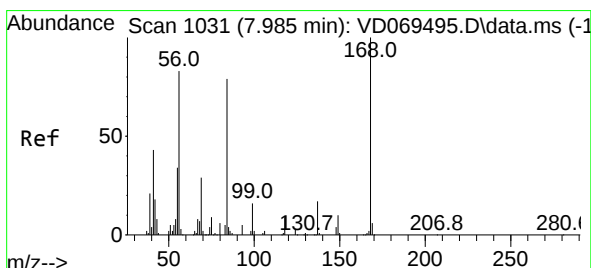
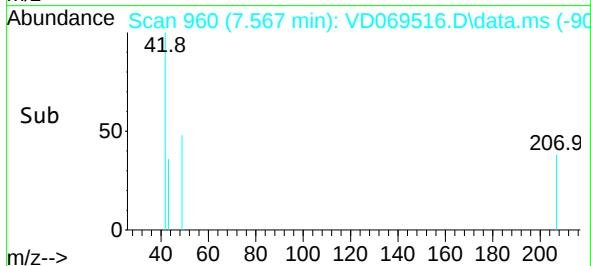
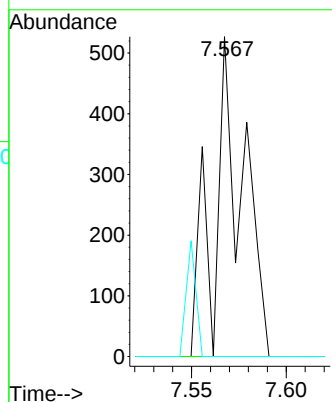
Lab File: VD069516.D

Acq: 22 Jun 2021 15:16

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion:	42	Resp:	560
Ion Ratio	Lower	Upper	
42	100		
72	0.0	37.9	56.9#
71	12.0	35.1	52.7#



#31

Cyclohexane

Concen: 1.702 ug/l

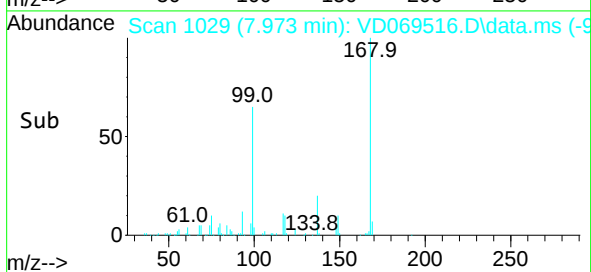
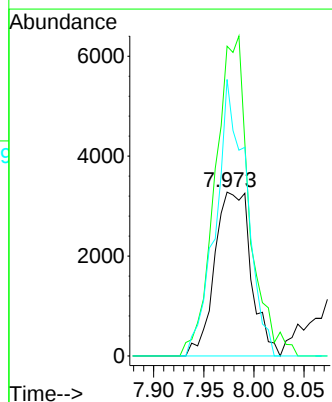
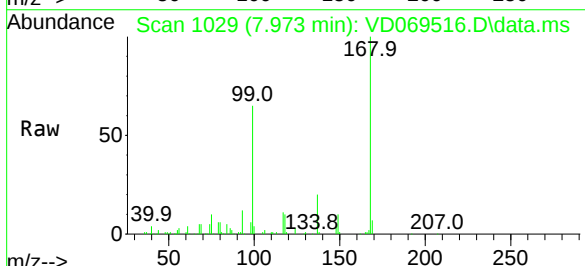
RT: 7.973 min Scan# 1029

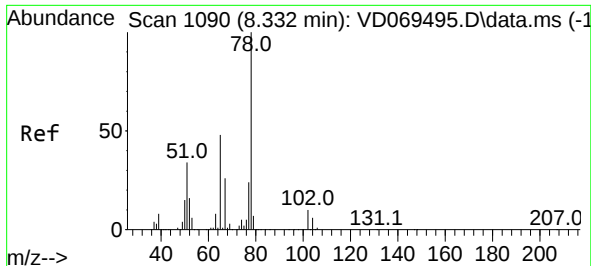
Delta R.T. -0.012 min

Lab File: VD069516.D

Acq: 22 Jun 2021 15:16

Tgt Ion:	56	Resp:	8298
Ion Ratio	Lower	Upper	
56	100		
69	189.1	28.0	42.0#
84	168.7	75.7	113.5#

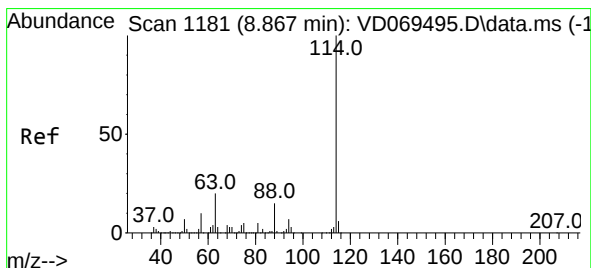
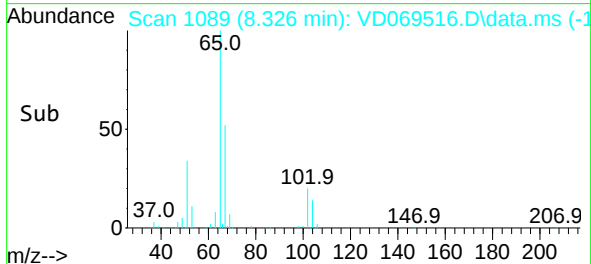
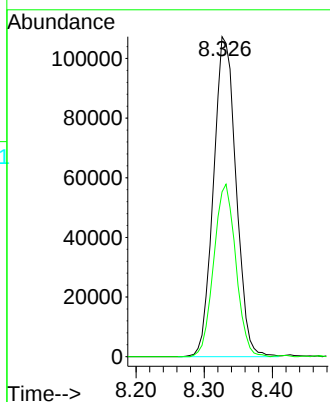
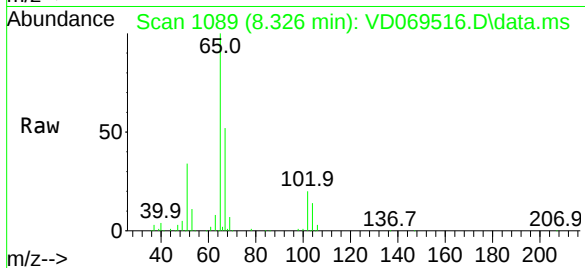




#33
1,2-Dichloroethane-d4
Concen: 68.274 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069516.D
Acq: 22 Jun 2021 15:16

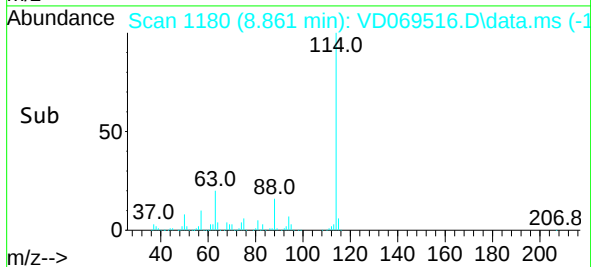
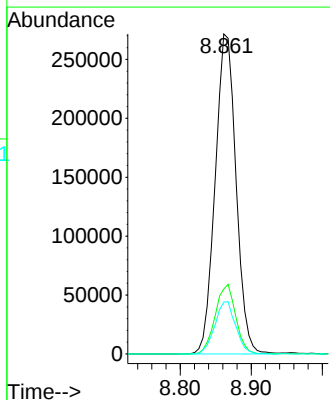
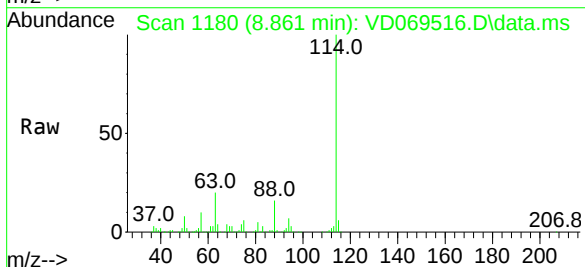
Instrument :
MSVOA_D
ClientSampleId :

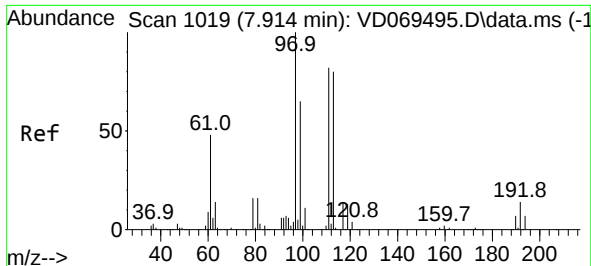
Tgt Ion: 65 Resp: 247180
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069516.D
Acq: 22 Jun 2021 15:16

Tgt Ion: 114 Resp: 553017
Ion Ratio Lower Upper
114 100
63 20.3 0.0 39.6
88 16.2 0.0 29.8





#35

Dibromofluoromethane

Concen: 58.372 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069516.D

Acq: 22 Jun 2021 15:16

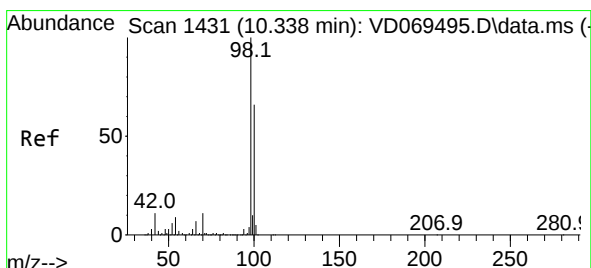
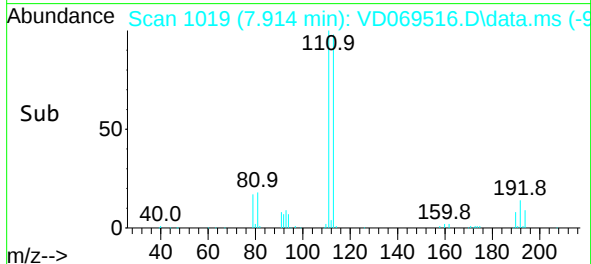
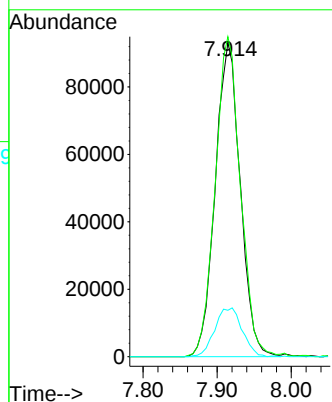
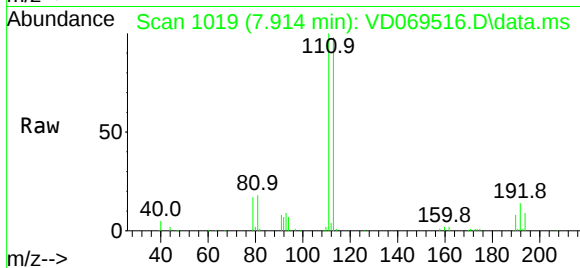
Tgt Ion:113 Resp: 218211

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.8

192 17.1 13.8 20.6



#50

Toluene-d8

Concen: 52.240 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD069516.D

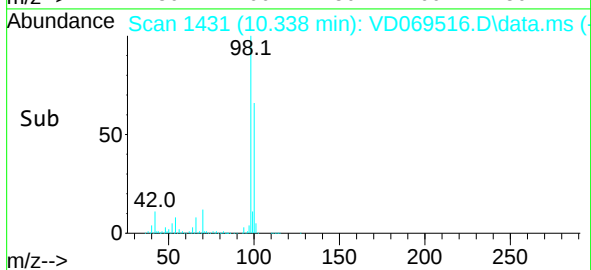
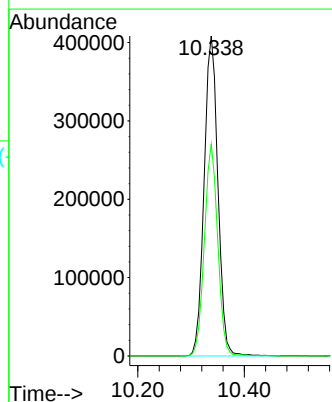
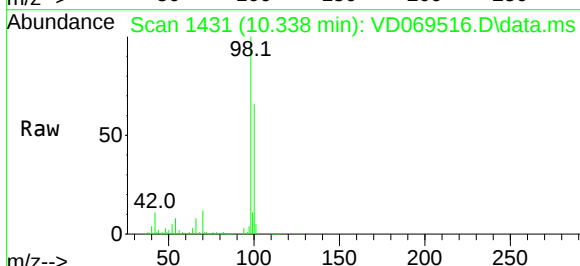
Acq: 22 Jun 2021 15:16

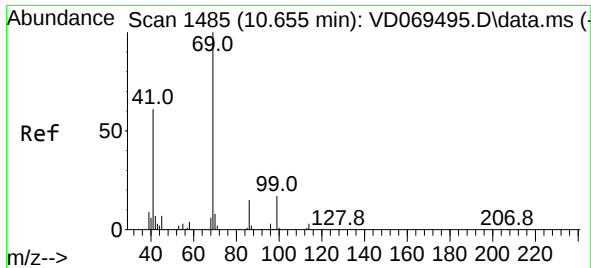
Tgt Ion: 98 Resp: 732517

Ion Ratio Lower Upper

98 100

100 64.1 52.3 78.5

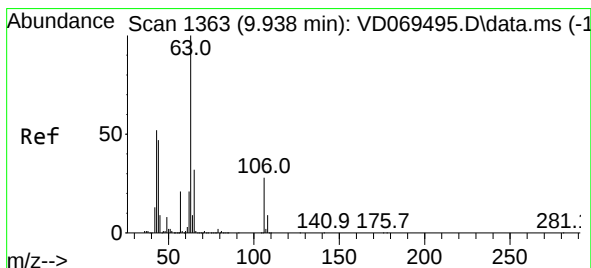
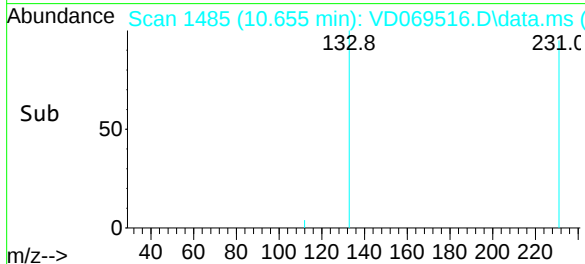
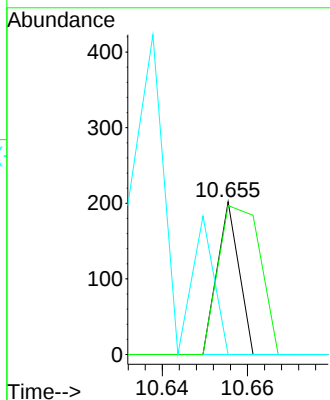
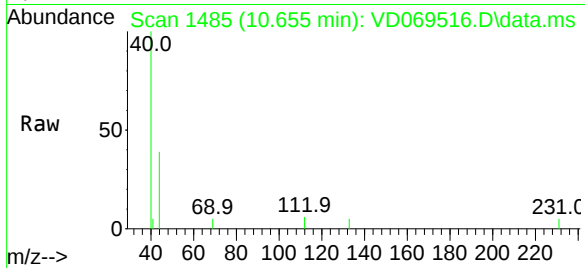




#56
Ethyl methacrylate
Concen: 2.601 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD069516.D
Acq: 22 Jun 2021 15:16

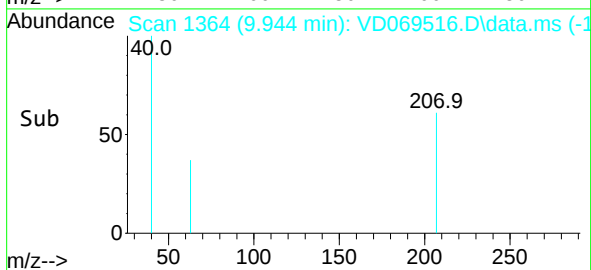
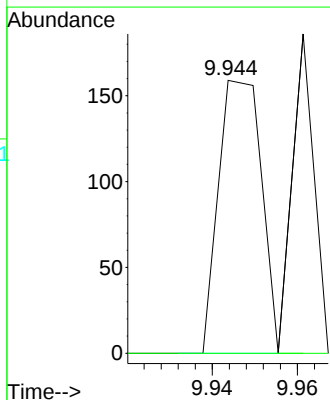
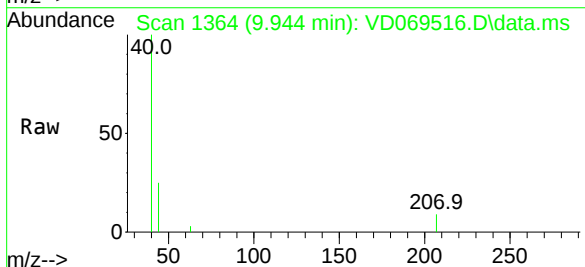
Instrument :
MSVOA_D
ClientSampleId :

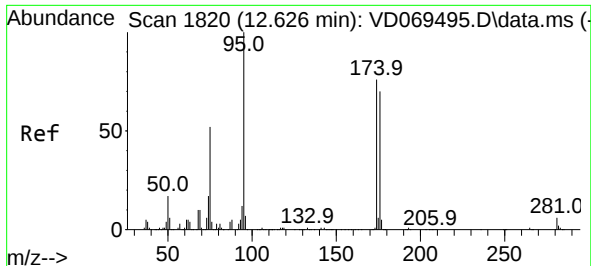
Tgt Ion:	69	Resp:	71
Ion	Ratio	Lower	Upper
69	100		
41	188.7	49.4	74.0#
39	301.4	26.9	40.3#



#58
2-Chloroethyl Vinyl ether
Concen: 10.658 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VD069516.D
Acq: 22 Jun 2021 15:16

Tgt Ion:	63	Resp:	111
Ion	Ratio	Lower	Upper
63	100		
106	0.0	22.2	33.2#

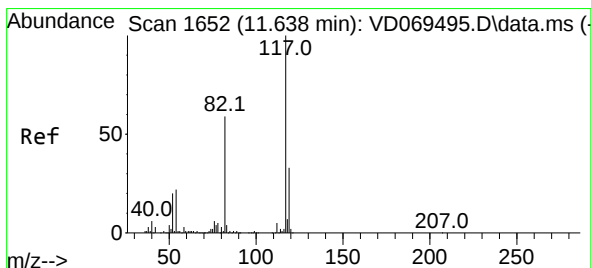
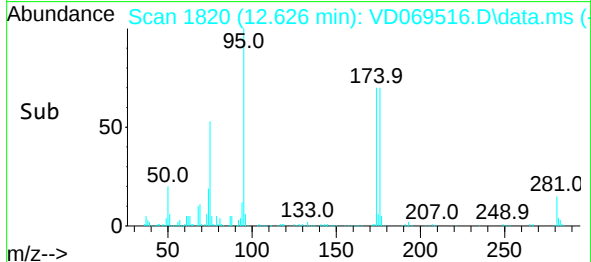
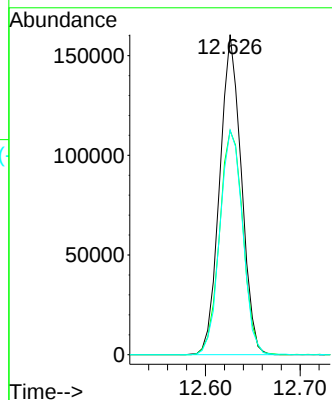
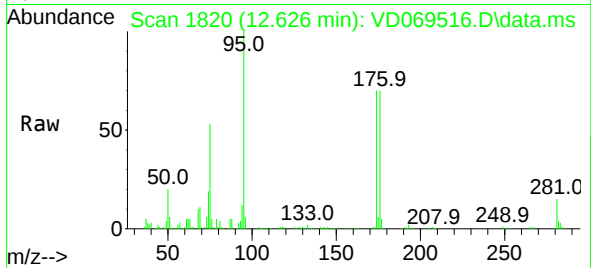




#62
4-Bromofluorobenzene
Concen: 55.238 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069516.D
Acq: 22 Jun 2021 15:16

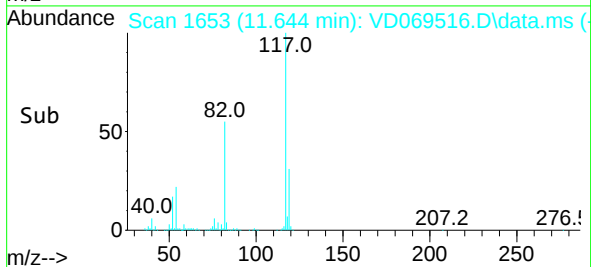
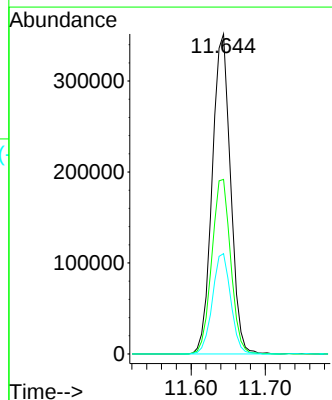
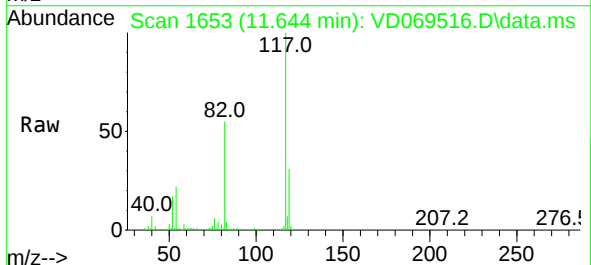
Instrument :
MSVOA_D
ClientSampleId :

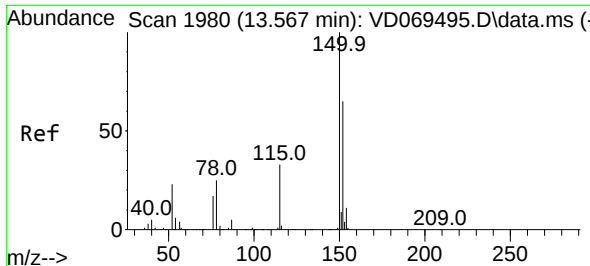
Tgt Ion: 95 Resp: 254639
Ion Ratio Lower Upper
95 100
174 75.3 0.0 148.0
176 73.7 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069516.D
Acq: 22 Jun 2021 15:16

Tgt Ion: 117 Resp: 604292
Ion Ratio Lower Upper
117 100
82 54.6 46.8 70.2
119 31.4 26.2 39.2

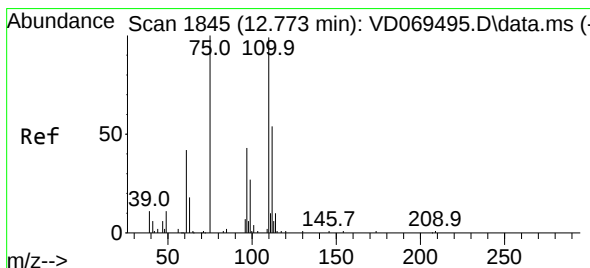
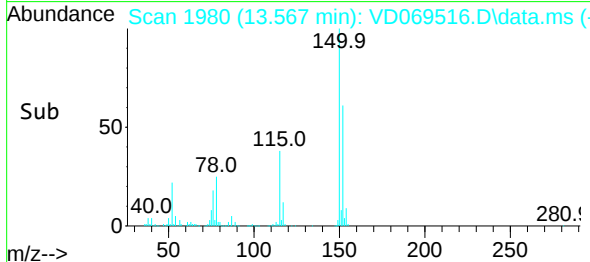
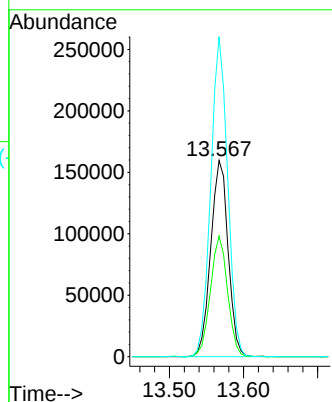
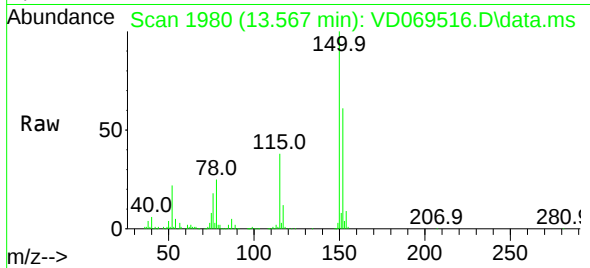




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069516.D
Acq: 22 Jun 2021 15:16

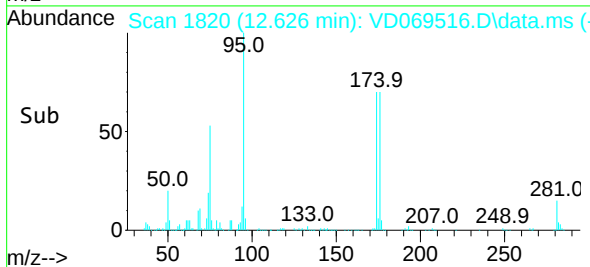
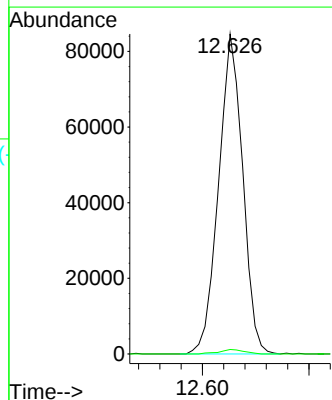
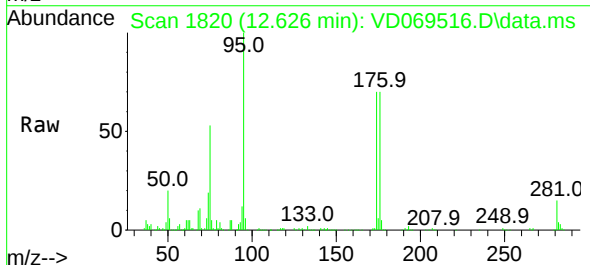
Instrument :
MSVOA_D
ClientSampleId :

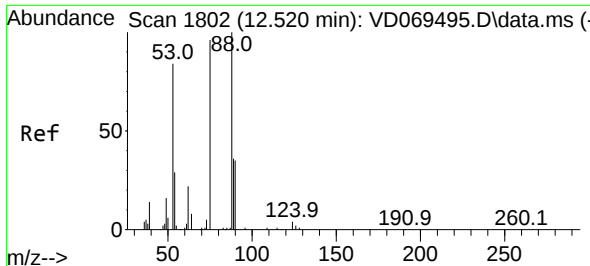
Tgt Ion:152 Resp: 260457
Ion Ratio Lower Upper
152 100
115 60.5 31.7 95.1
150 158.0 0.0 350.8



#76
1,2,3-Trichloropropane
Concen: 51.934 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069516.D
Acq: 22 Jun 2021 15:16

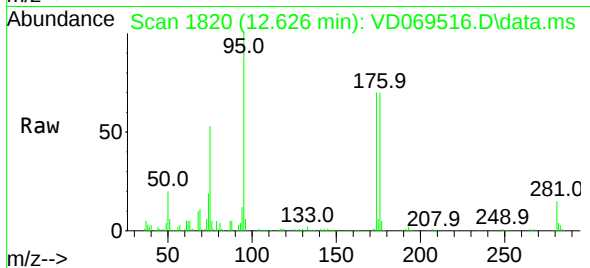
Tgt Ion: 75 Resp: 132781
Ion Ratio Lower Upper
75 100
77 1.4 162.6 487.8#



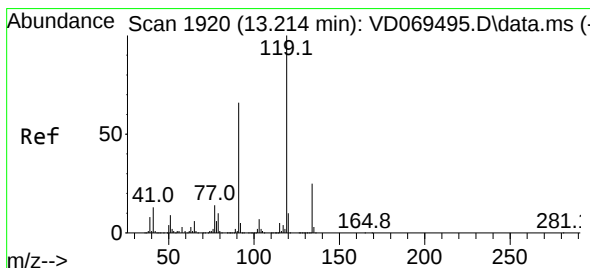
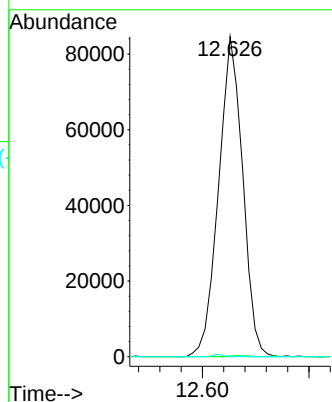
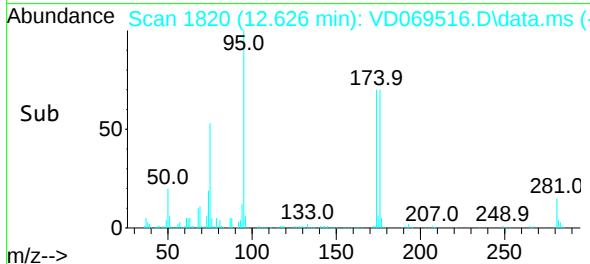


#81
trans-1,4-Dichloro-2-butene
Concen: 129.672 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069516.D
Acq: 22 Jun 2021 15:16

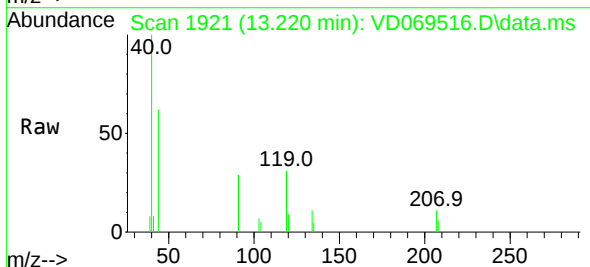
Instrument :
MSVOA_D
ClientSampleId :



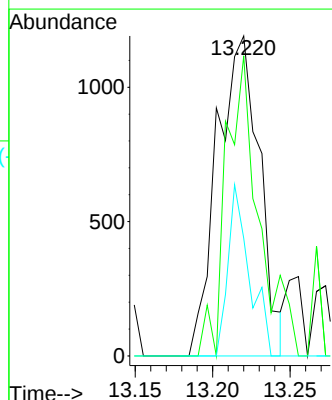
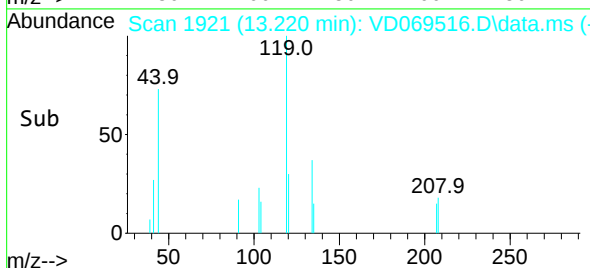
Tgt Ion: 75 Resp: 132781
Ion Ratio Lower Upper
75 100
53 0.3 74.6 112.0#
89 0.1 35.3 52.9#

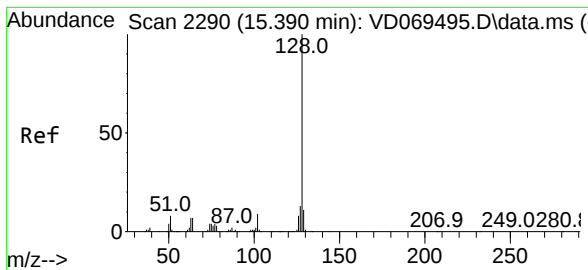


#83
tert-Butylbenzene
Concen: 2.153 ug/l
RT: 13.220 min Scan# 1921
Delta R.T. 0.006 min
Lab File: VD069516.D
Acq: 22 Jun 2021 15:16



Tgt Ion: 119 Resp: 2260
Ion Ratio Lower Upper
119 100
91 73.1 32.5 97.4
134 27.1 12.9 38.7





#95
Naphthalene
Concen: 3.465 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069516.D
Acq: 22 Jun 2021 15:16

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 960
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

