

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062121\
 Data File : VD069499.D
 Acq On : 21 Jun 2021 14:35
 Operator : VA/SY
 Sample : VD0621SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 22 04:44:18 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)

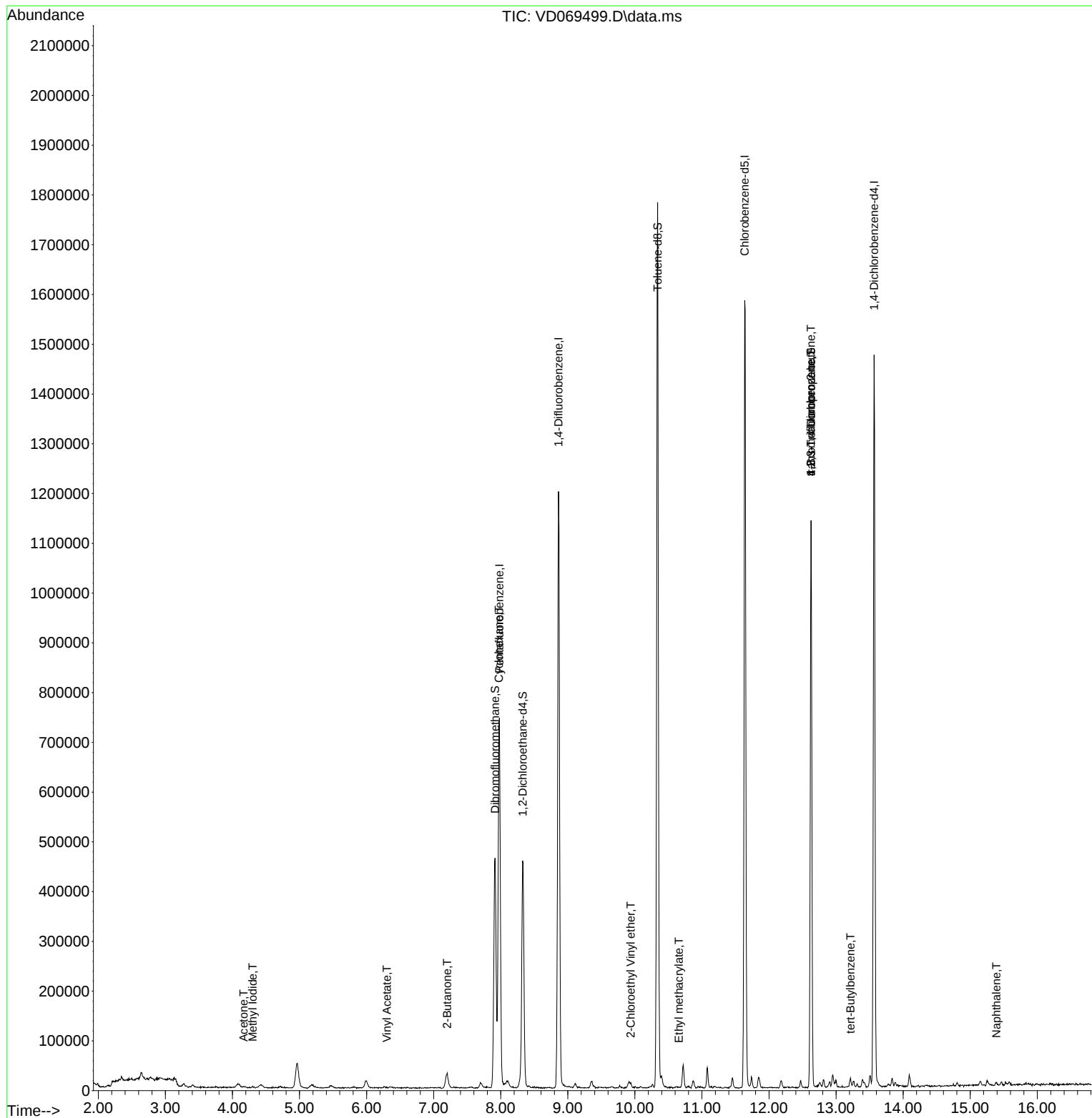
Internal Standards						
1) Pentafluorobenzene	7.979	168	502815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	987803	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	901985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	374893	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	366743	58.515	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.020%			
35) Dibromofluoromethane	7.914	113	341000	51.068	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.140%			
50) Toluene-d8	10.338	98	1187931	47.429	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 94.860%			
62) 4-Bromofluorobenzene	12.626	95	365968	44.445	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.900%			
Target Compounds					Qvalue	
5) Bromomethane	2.774	94	4256	Below Cal		97
10) Methyl Iodide	4.303	142	1769	4.250 ug/l #		74
11) Tert butyl alcohol	5.179	59	6431	Below Cal #		83
16) Acetone	4.168	43	5020	4.759 ug/l #		76
18) Methyl Acetate	4.715	43	216	Below Cal #		49
20) Methylene Chloride	4.968	84	39450	Below Cal		97
23) Vinyl Acetate	6.303	43	854	19.099 ug/l #		70
25) 2-Butanone	7.203	43	2167	1.617 ug/l #		86
31) Cyclohexane	7.973	56	17341	2.055 ug/l #		49
56) Ethyl methacrylate	10.655	69	851	2.711 ug/l #		77
58) 2-Chloroethyl Vinyl ether	9.938	63	3891	11.742 ug/l		98
76) 1,2,3-Trichloropropane	12.626	75	194092	52.742 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	194092	131.689 ug/l #		12
83) tert-Butylbenzene	13.214	119	6517	2.314 ug/l		96
95) Naphthalene	15.391	128	4906	3.746 ug/l #		85

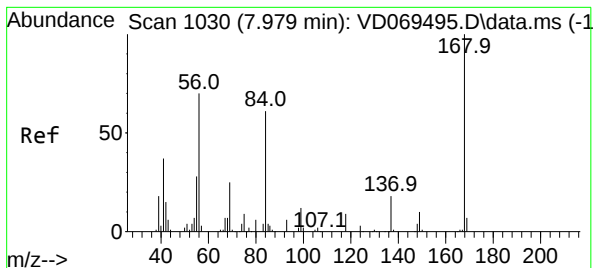
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD069499.D

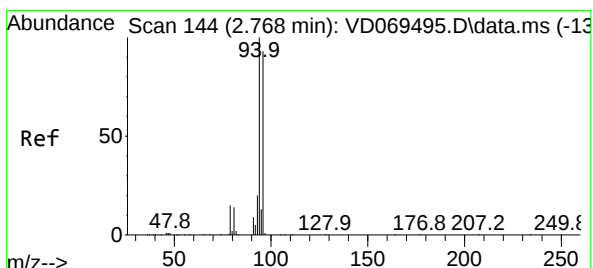
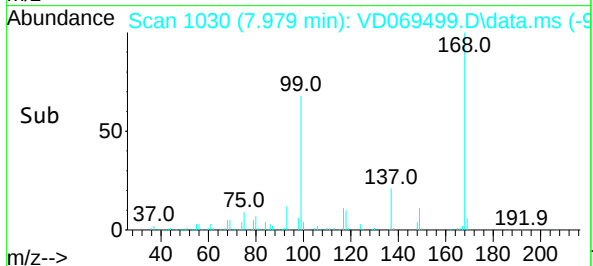
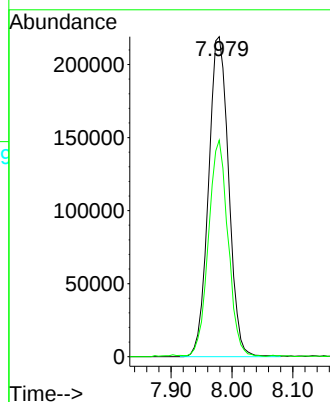
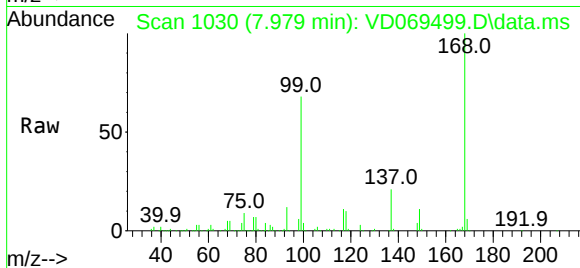
Acq: 21 Jun 2021 14:35

Tgt Ion:168 Resp: 502815

Ion Ratio Lower Upper

168 100

99 67.3 49.3 73.9



#5

Bromomethane

Concen: Below Cal

RT: 2.774 min Scan# 145

Delta R.T. 0.006 min

Lab File: VD069499.D

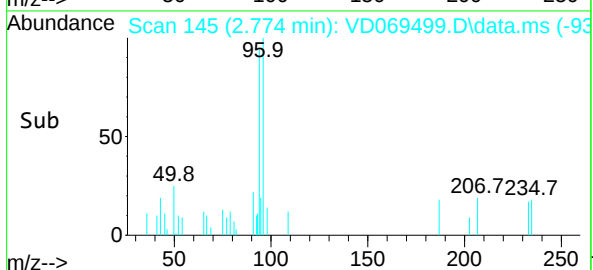
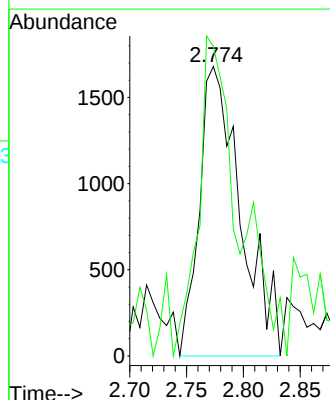
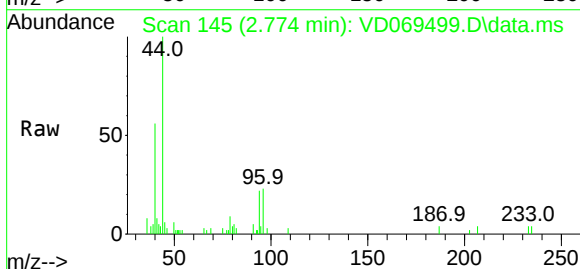
Acq: 21 Jun 2021 14:35

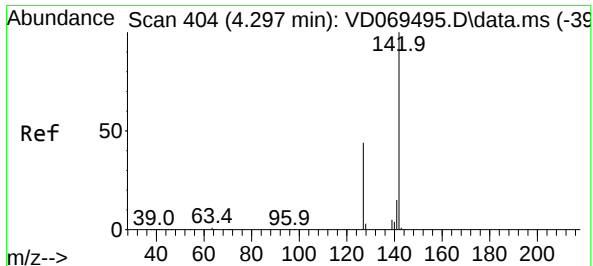
Tgt Ion: 94 Resp: 4256

Ion Ratio Lower Upper

94 100

96 95.7 74.6 111.8

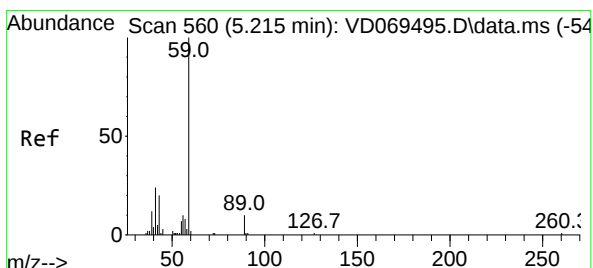
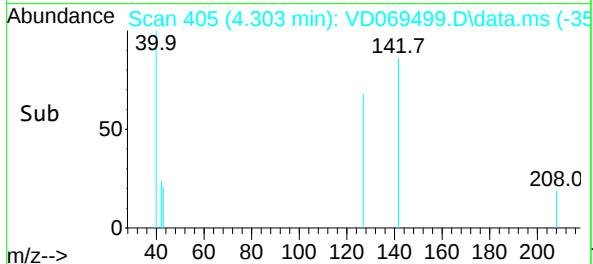
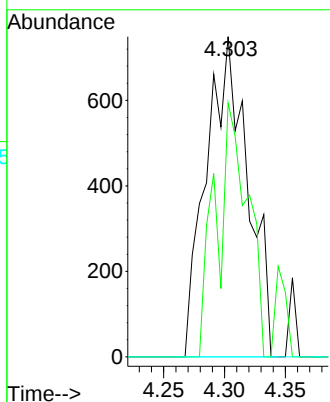
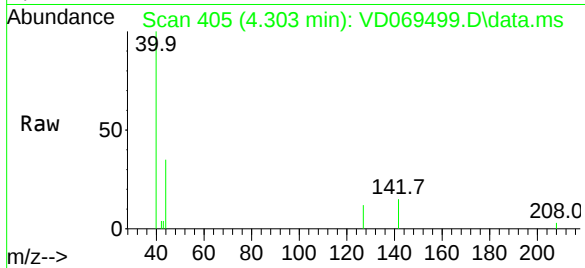




#10
Methyl Iodide
Concen: 4.250 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069499.D
Acq: 21 Jun 2021 14:35

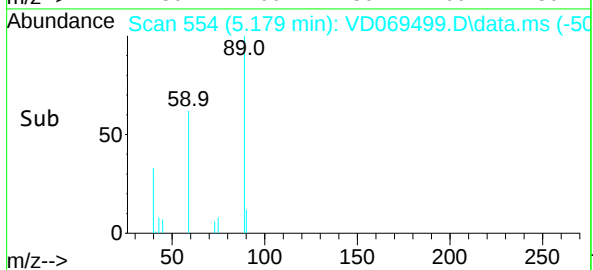
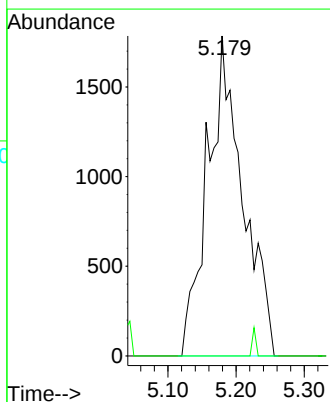
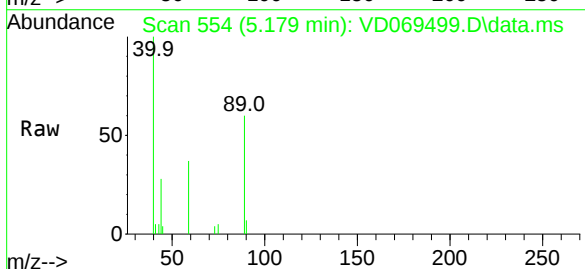
Instrument :
MSVOA_D
ClientSampled :

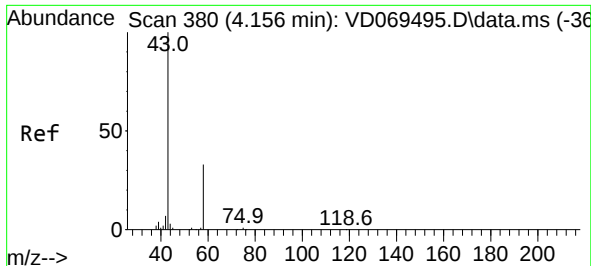
Tgt Ion:142 Resp: 1769
Ion Ratio Lower Upper
142 100
127 60.8 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.179 min Scan# 554
Delta R.T. -0.036 min
Lab File: VD069499.D
Acq: 21 Jun 2021 14:35

Tgt Ion: 59 Resp: 6431
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

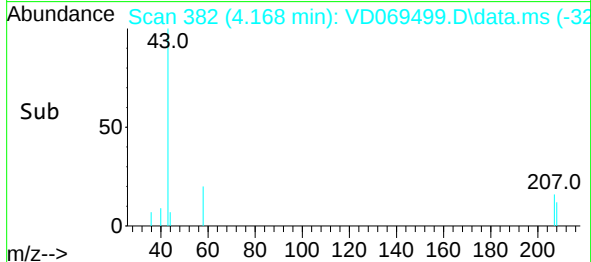
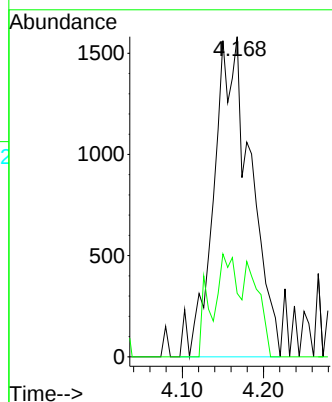
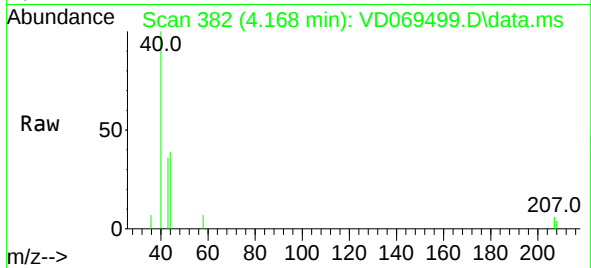




#16
Acetone
Concen: 4.759 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD069499.D
Acq: 21 Jun 2021 14:35

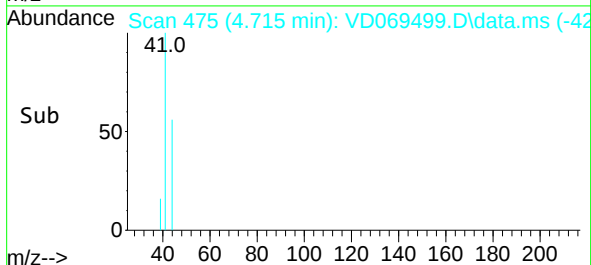
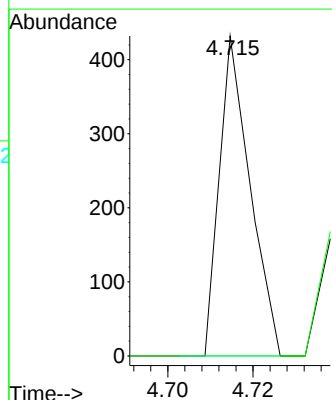
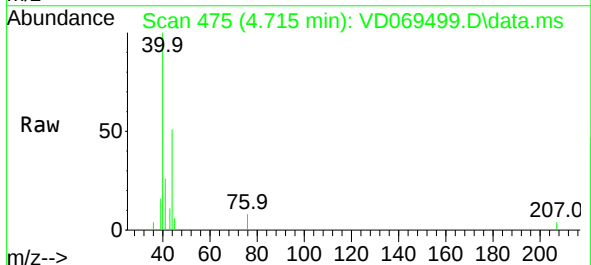
Instrument :
MSVOA_D
ClientSampled :

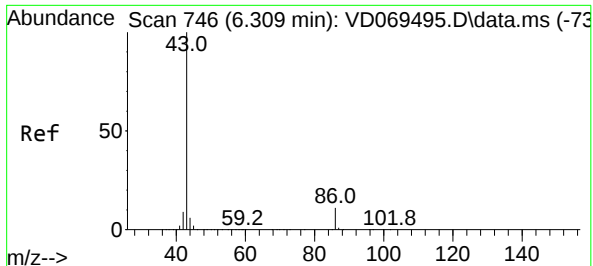
Tgt Ion: 43 Resp: 5020
Ion Ratio Lower Upper
43 100
58 19.8 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.715 min Scan# 475
Delta R.T. -0.005 min
Lab File: VD069499.D
Acq: 21 Jun 2021 14:35

Tgt Ion: 43 Resp: 216
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#





#23

Vinyl Acetate

Concen: 19.099 ug/l

RT: 6.303 min Scan# 745

Delta R.T. -0.006 min

Lab File: VD069499.D

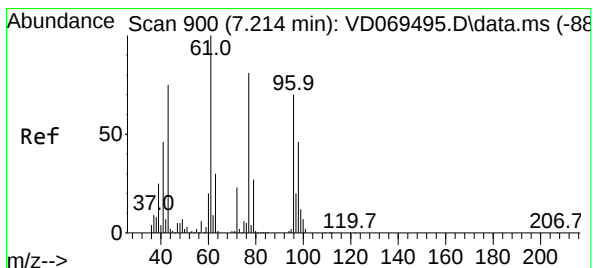
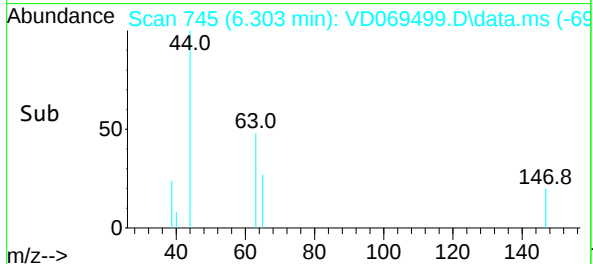
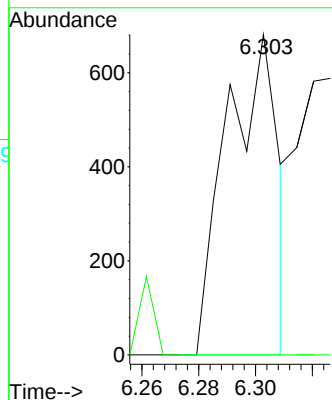
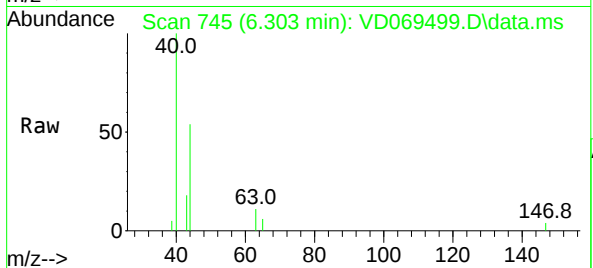
Acq: 21 Jun 2021 14:35

Tgt Ion: 43 Resp: 854

Ion Ratio Lower Upper

43 100

86 0.0 9.1 13.7#



#25

2-Butanone

Concen: 1.617 ug/l

RT: 7.203 min Scan# 898

Delta R.T. -0.012 min

Lab File: VD069499.D

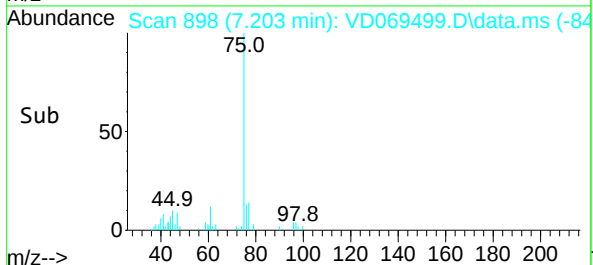
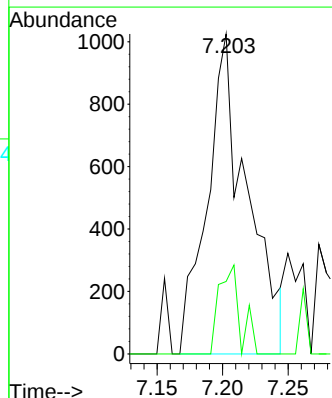
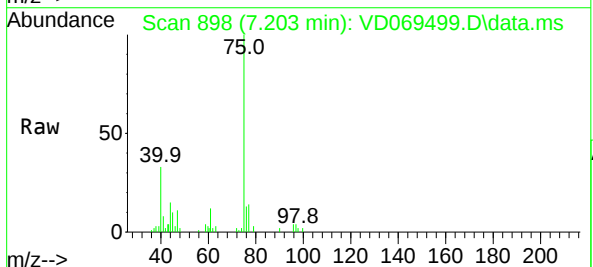
Acq: 21 Jun 2021 14:35

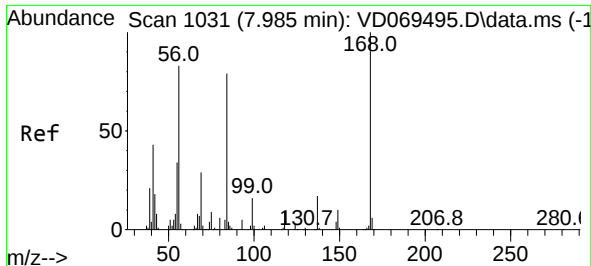
Tgt Ion: 43 Resp: 2167

Ion Ratio Lower Upper

43 100

72 22.6 24.3 36.5#

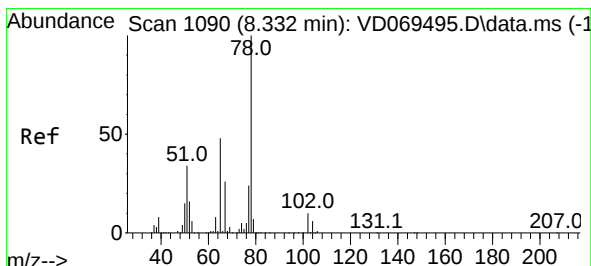
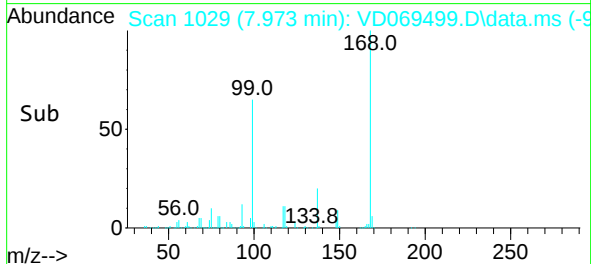
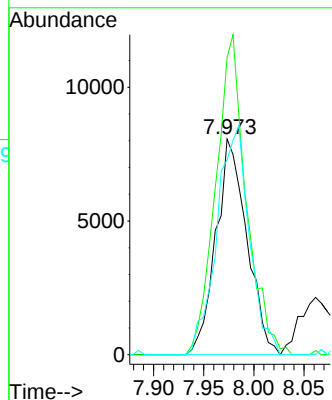
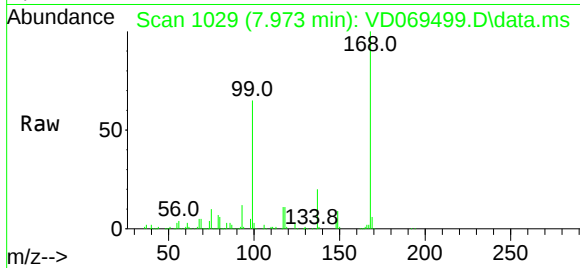




#31
Cyclohexane
Concen: 2.055 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069499.D
Acq: 21 Jun 2021 14:35

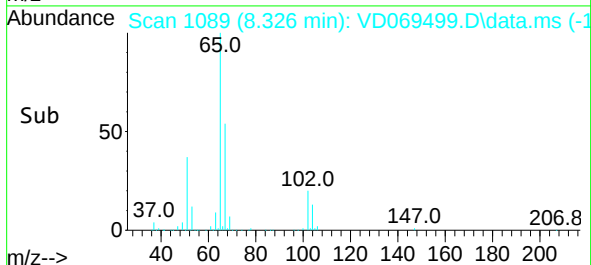
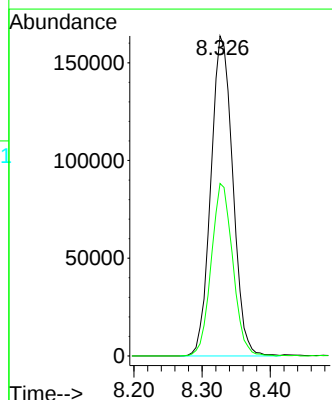
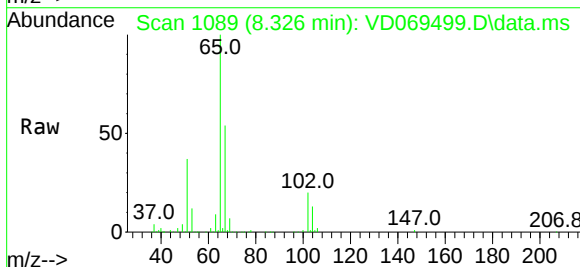
Instrument :
MSVOA_D
ClientSampleId :

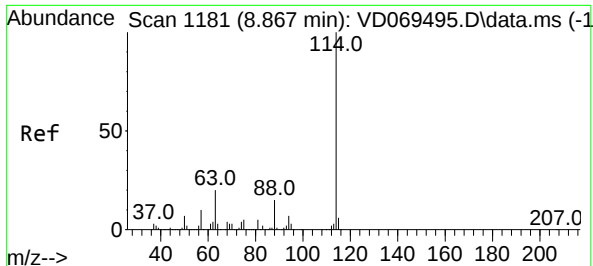
Tgt Ion: 56 Resp: 17341
Ion Ratio Lower Upper
56 100
69 137.9 28.0 42.0#
84 90.3 75.7 113.5



#33
1,2-Dichloroethane-d4
Concen: 58.515 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069499.D
Acq: 21 Jun 2021 14:35

Tgt Ion: 65 Resp: 366743
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.6



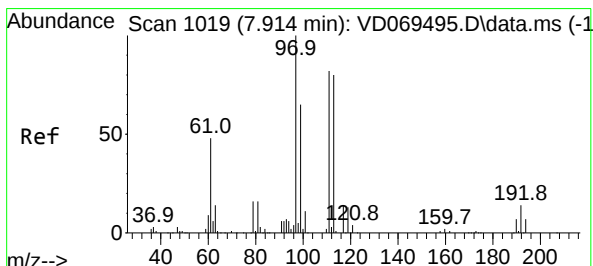
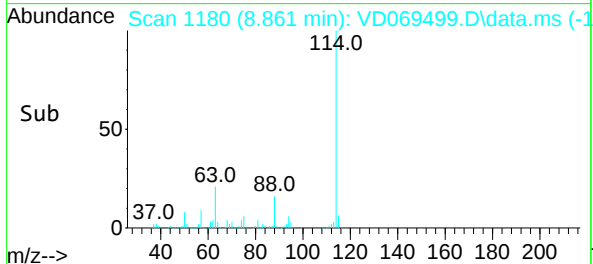
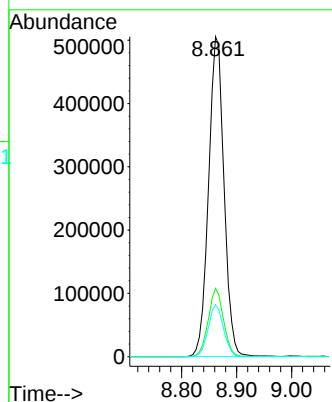
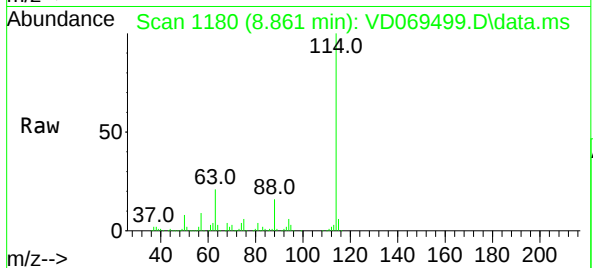


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069499.D
Acq: 21 Jun 2021 14:35

Instrument :
MSVOA_D
ClientSampled :

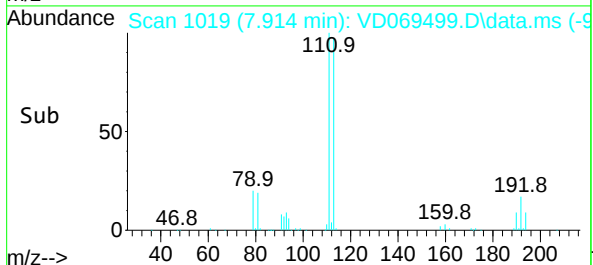
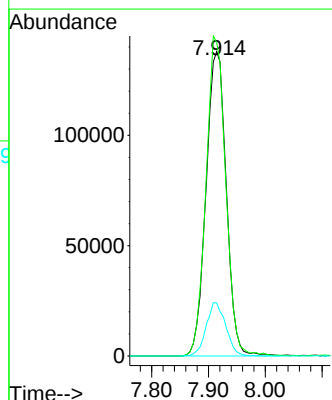
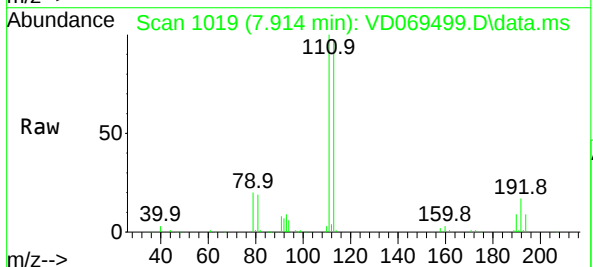
Tgt Ion:114 Resp: 987803
Ion Ratio Lower Upper
114 100
63 21.4 0.0 39.6
88 16.2 0.0 29.8

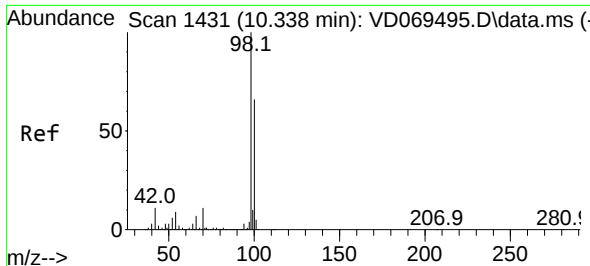


#35

Dibromofluoromethane
Concen: 51.068 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069499.D
Acq: 21 Jun 2021 14:35

Tgt Ion:113 Resp: 341000
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.8
192 16.9 13.8 20.6

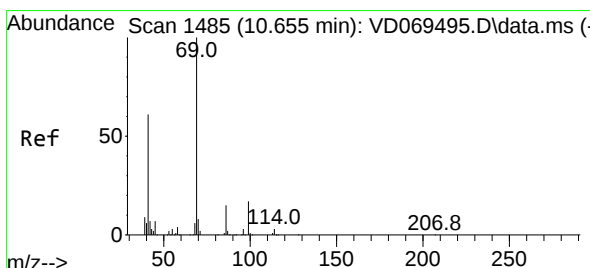
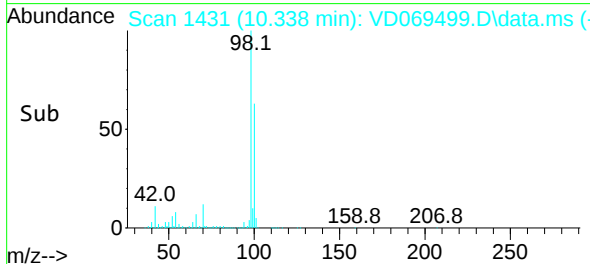
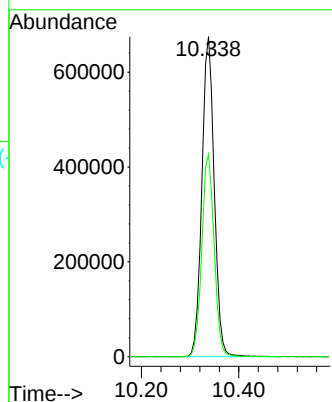
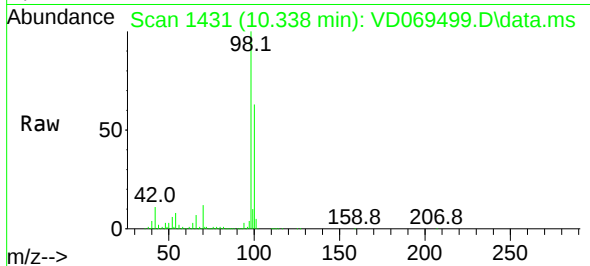




#50
Toluene-d8
Concen: 47.429 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069499.D
Acq: 21 Jun 2021 14:35

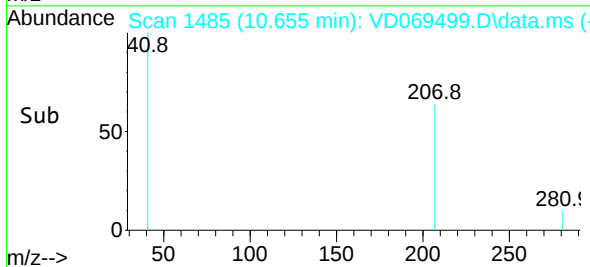
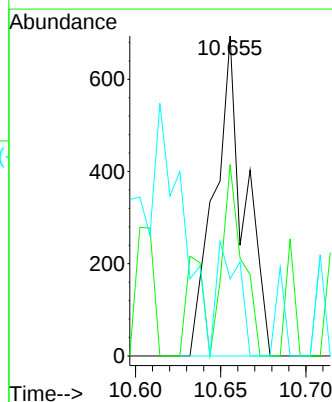
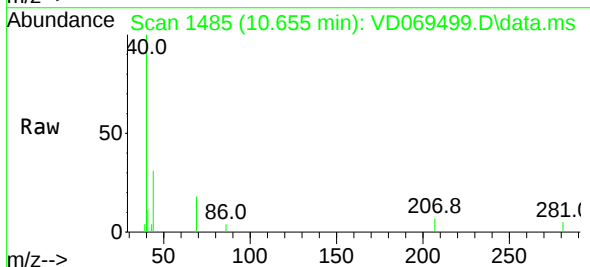
Instrument :
MSVOA_D
ClientSampleId :

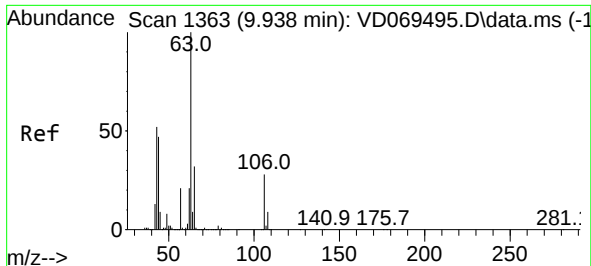
Tgt Ion: 98 Resp: 1187931
Ion Ratio Lower Upper
98 100
100 63.2 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.711 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD069499.D
Acq: 21 Jun 2021 14:35

Tgt Ion: 69 Resp: 851
Ion Ratio Lower Upper
69 100
41 40.0 49.4 74.0#
39 25.7 26.9 40.3#

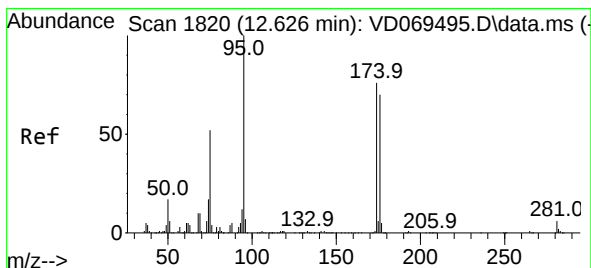
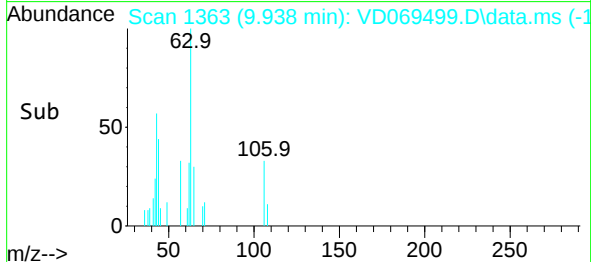
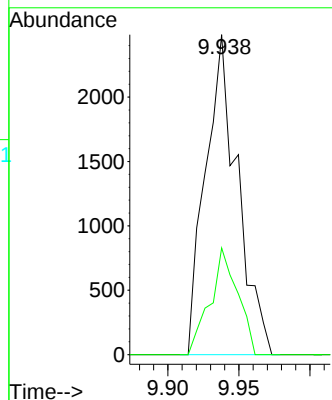
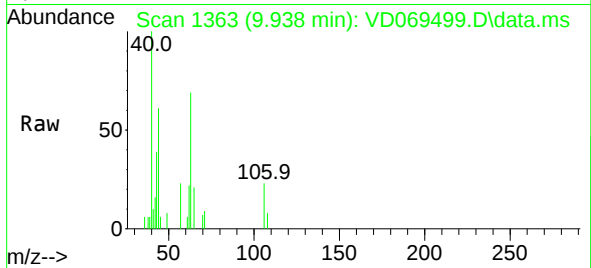




#58
2-Chloroethyl Vinyl ether
Concen: 11.742 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069499.D
Acq: 21 Jun 2021 14:35

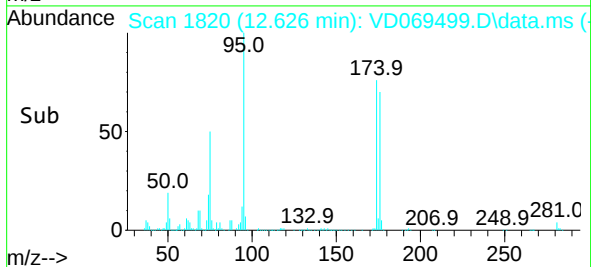
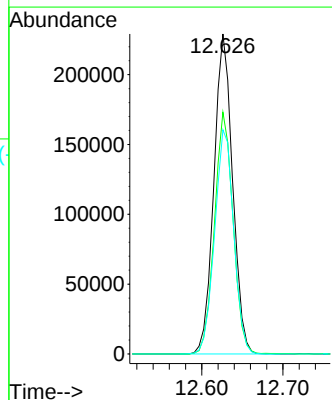
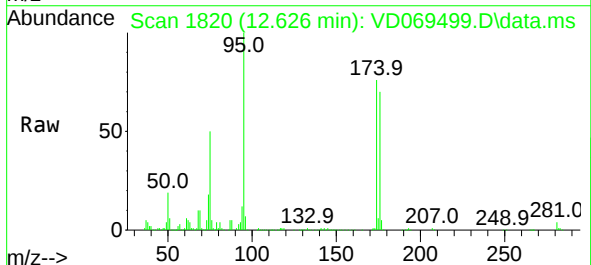
Instrument :
MSVOA_D
ClientSampleId :

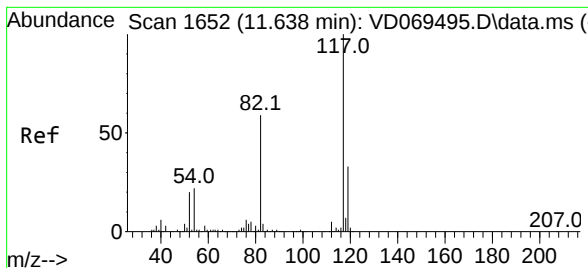
Tgt Ion: 63 Resp: 3891
Ion Ratio Lower Upper
63 100
106 28.7 22.2 33.2



#62
4-Bromofluorobenzene
Concen: 44.445 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069499.D
Acq: 21 Jun 2021 14:35

Tgt Ion: 95 Resp: 365968
Ion Ratio Lower Upper
95 100
174 75.3 0.0 148.0
176 71.6 0.0 139.8

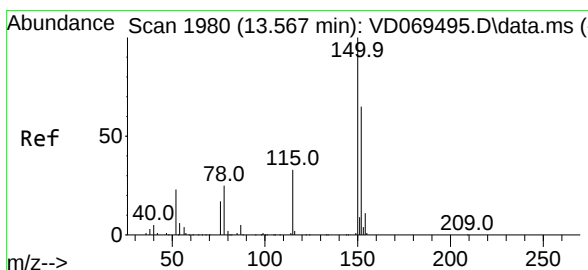
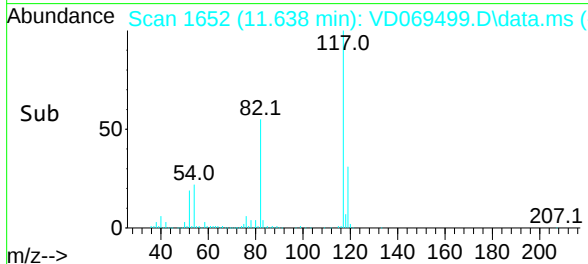
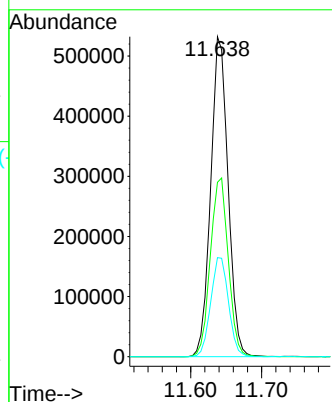
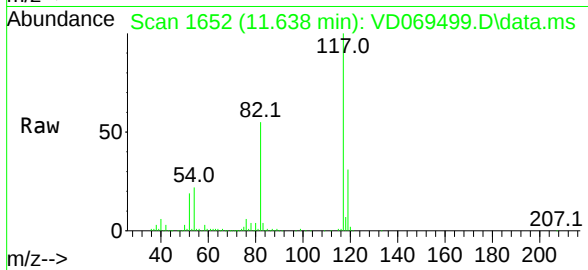




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069499.D
Acq: 21 Jun 2021 14:35

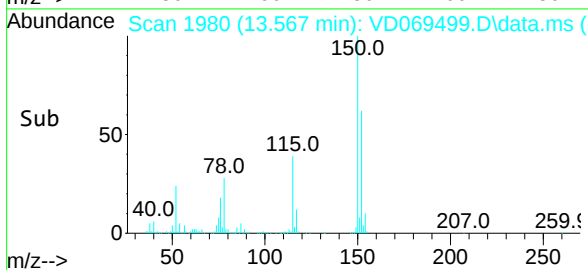
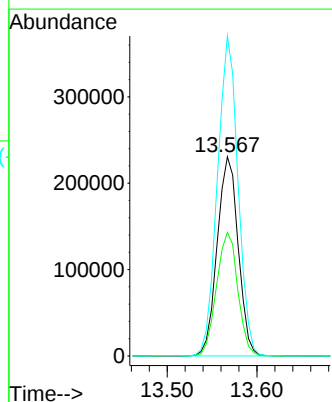
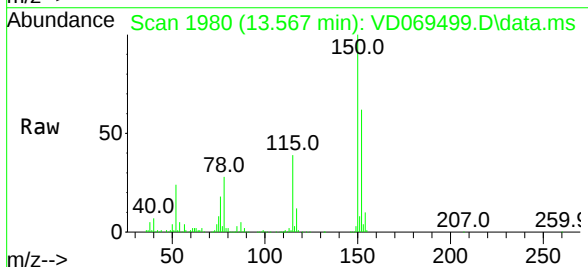
Instrument :
MSVOA_D
ClientSampled :

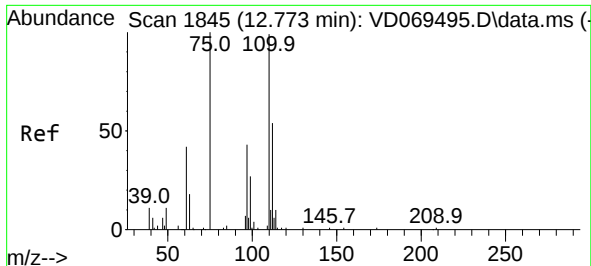
Tgt Ion:117 Resp: 901985
Ion Ratio Lower Upper
117 100
82 54.5 46.8 70.2
119 31.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069499.D
Acq: 21 Jun 2021 14:35

Tgt Ion:152 Resp: 374893
Ion Ratio Lower Upper
152 100
115 62.7 31.7 95.1
150 157.2 0.0 350.8

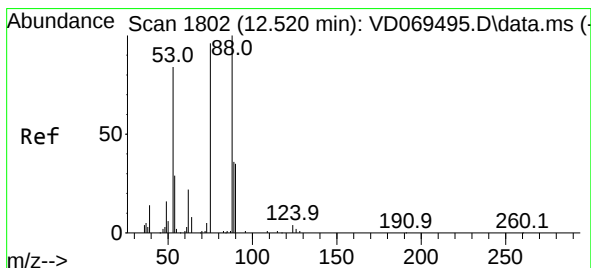
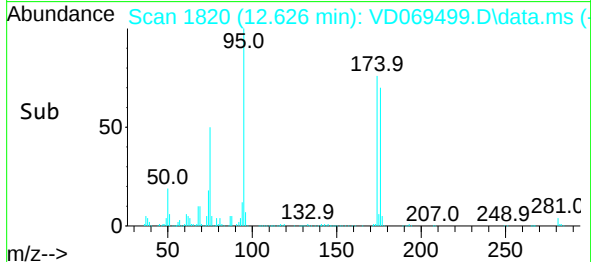
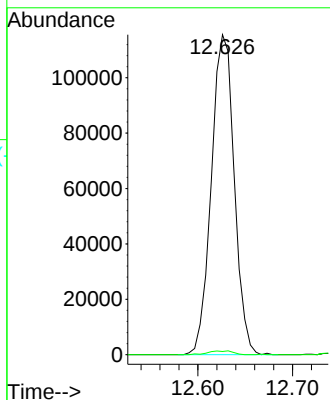
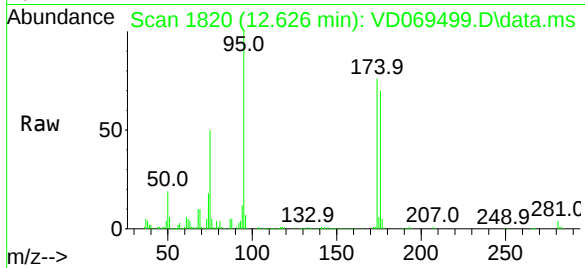




#76
1,2,3-Trichloropropane
Concen: 52.742 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069499.D
Acq: 21 Jun 2021 14:35

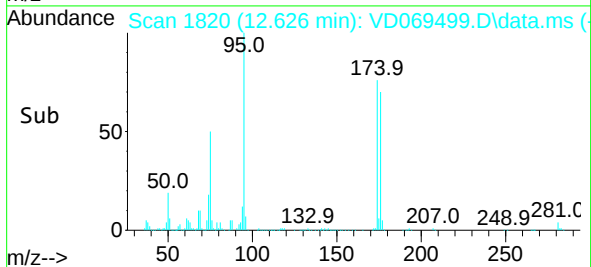
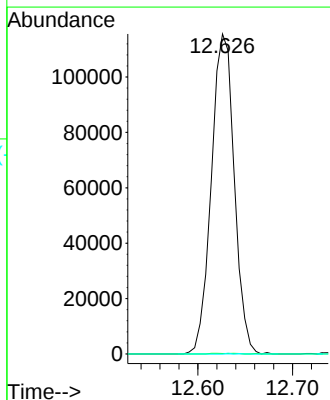
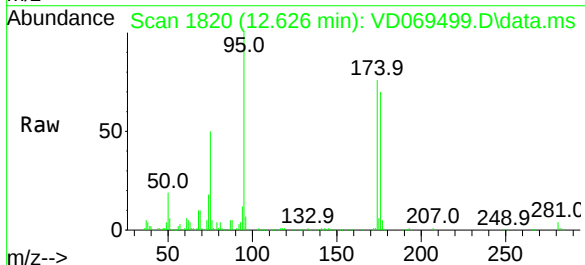
Instrument :
MSVOA_D
ClientSampled :

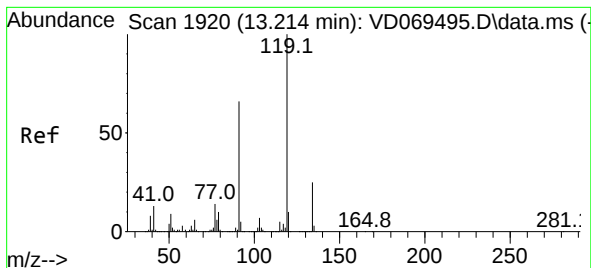
Tgt Ion: 75 Resp: 194092
Ion Ratio Lower Upper
75 100
77 1.3 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.689 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069499.D
Acq: 21 Jun 2021 14:35

Tgt Ion: 75 Resp: 194092
Ion Ratio Lower Upper
75 100
53 0.1 74.6 112.0#
89 0.1 35.3 52.9#

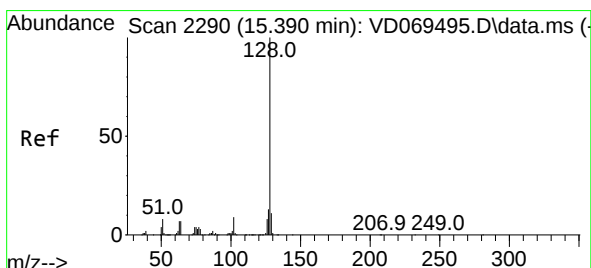
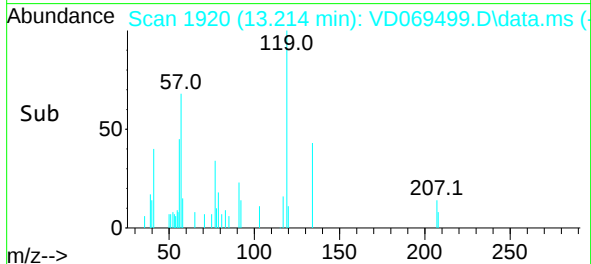
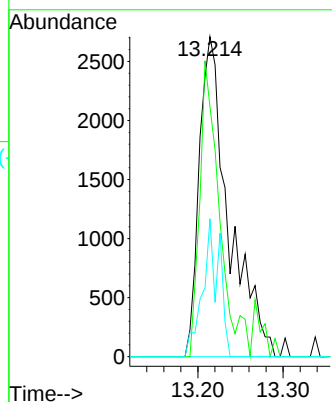
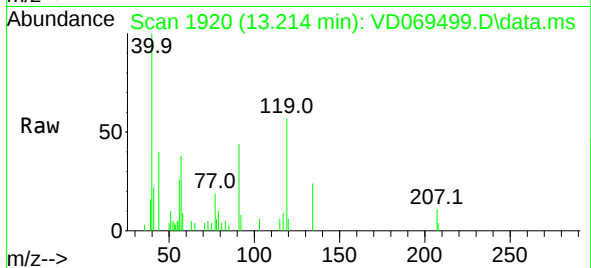




#83
tert-Butylbenzene
Concen: 2.314 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. 0.000 min
Lab File: VD069499.D
Acq: 21 Jun 2021 14:35

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:119 Resp: 6517
Ion Ratio Lower Upper
119 100
91 61.6 32.5 97.4
134 24.1 12.9 38.7



#95
Naphthalene
Concen: 3.746 ug/l
RT: 15.391 min Scan# 2290
Delta R.T. 0.001 min
Lab File: VD069499.D
Acq: 21 Jun 2021 14:35

Tgt Ion:128 Resp: 4906
Ion Ratio Lower Upper
128 100
127 6.6 10.6 16.0#
129 6.3 8.7 13.1#

