

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061721\
 Data File : VD069480.D
 Acq On : 17 Jun 2021 15:21
 Operator : VA/SY
 Sample : M2709-05
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 18 01:26:55 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)

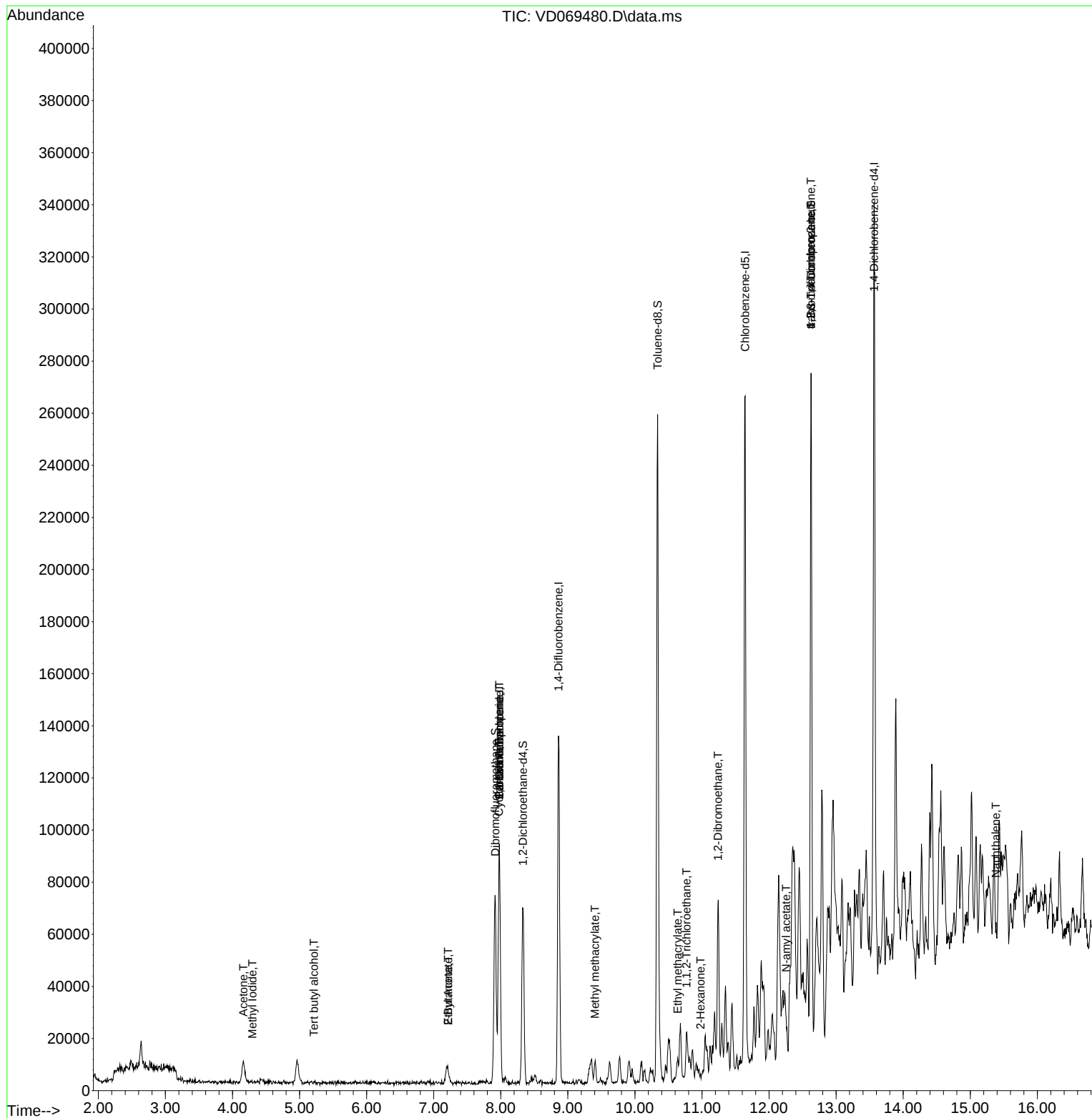
Internal Standards						
1) Pentafluorobenzene	7.979	168	67994	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	120928	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	161120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	84557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	56345	73.454	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 146.900%			
35) Dibromofluoromethane	7.920	113	53617	59.196	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 118.400%			
50) Toluene-d8	10.338	98	162882	49.168	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.340%			
62) 4-Bromofluorobenzene	12.626	95	79352	74.653	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 149.300%#			
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	497	Below Cal	#	44
10) Methyl Iodide	4.297	142	125	3.477	ug/l #	39
11) Tert butyl alcohol	5.214	59	134	3.360	ug/l #	73
16) Acetone	4.162	43	15028	118.359	ug/l	98
18) Methyl Acetate	4.603	43	71	Below Cal	#	46
20) Methylene Chloride	4.956	84	4119	Below Cal		91
25) 2-Butanone	7.214	43	4261	26.913	ug/l #	89
31) Cyclohexane	7.973	56	1328	1.274	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	5797	4.604	ug/l #	45
37) Ethyl Acetate	7.214	43	4261	10.114	ug/l #	67
38) Carbon Tetrachloride	7.979	117	6620	4.853	ug/l #	18
48) Methyl methacrylate	9.402	41	1776	4.902	ug/l #	47
55) 1,1,2-Trichloroethane	10.767	97	5173	7.300	ug/l #	27
56) Ethyl methacrylate	10.638	69	2654	5.918	ug/l #	82
59) 2-Hexanone	10.979	43	288	1.062	ug/l #	20
61) 1,2-Dibromoethane	11.238	107	1033	1.518	ug/l #	1
74) N-amyl acetate	12.255	43	2196	2.059	ug/l #	37
76) 1,2,3-Trichloropropane	12.626	75	37039	43.206	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	37039	115.262	ug/l #	21
95) Naphthalene	15.385	128	950	3.872	ug/l #	1

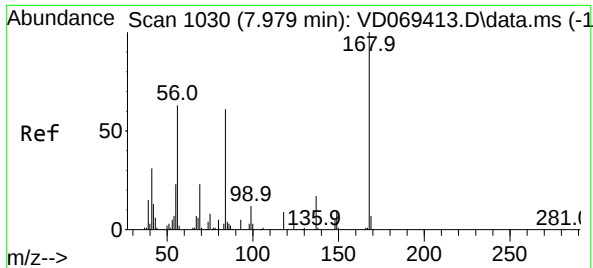
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD069480.D
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ClientSampleId :

Quant Time: Jun 18 01:26:55 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

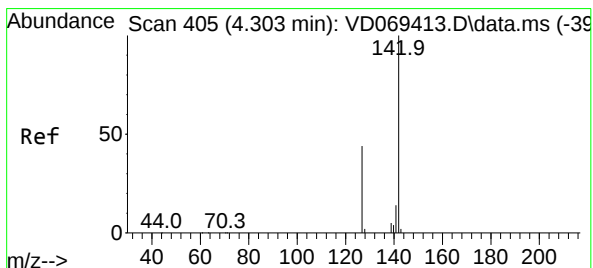
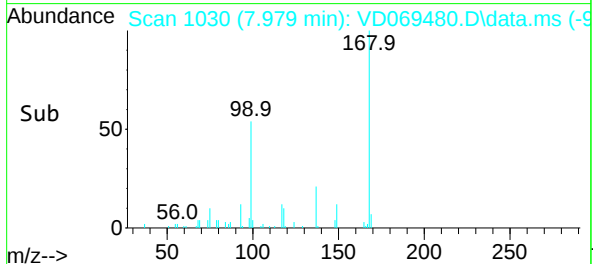
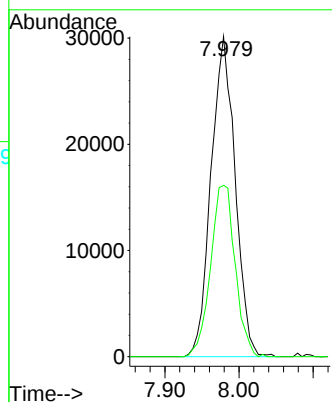
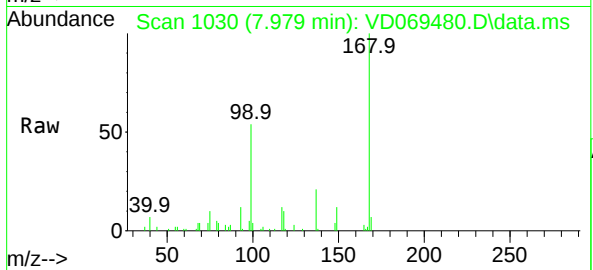




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069480.D
Acq: 17 Jun 2021 15:21

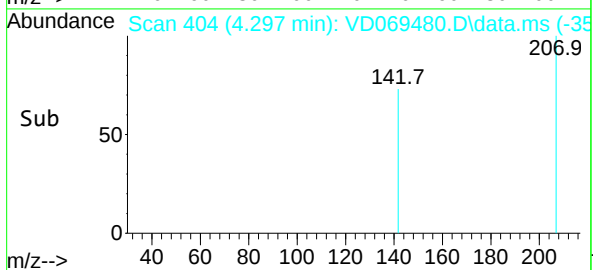
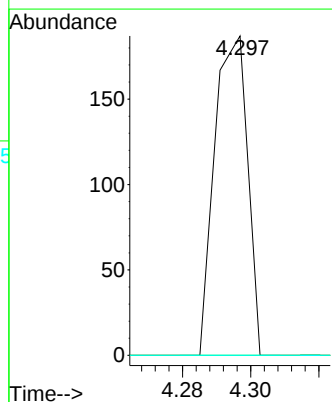
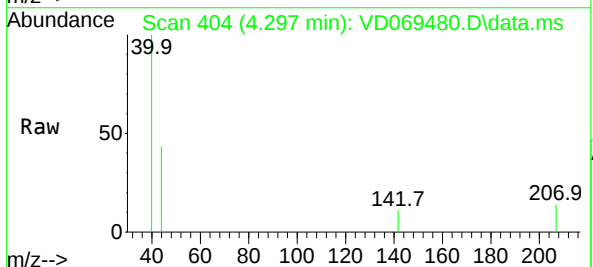
Instrument :
MSVOA_D
ClientSampled :

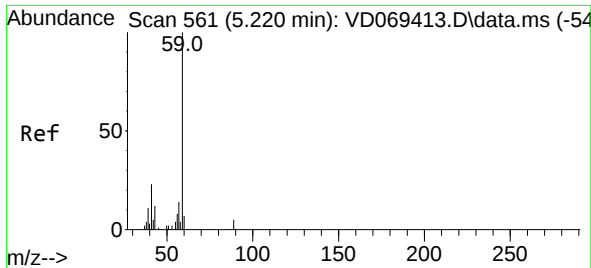
Tgt Ion:168 Resp: 67994
Ion Ratio Lower Upper
168 100
99 53.6 46.2 69.2



#10
Methyl Iodide
Concen: 3.477 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069480.D
Acq: 17 Jun 2021 15:21

Tgt Ion:142 Resp: 125
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.2#
141 0.0 12.2 18.2#



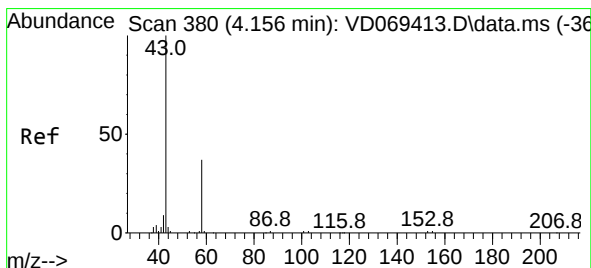
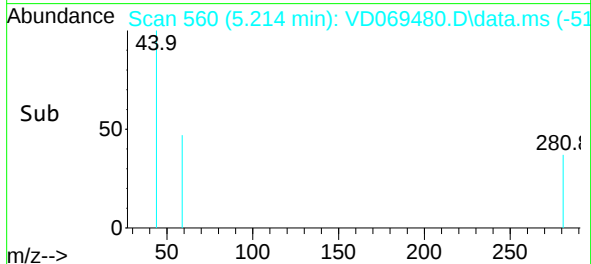
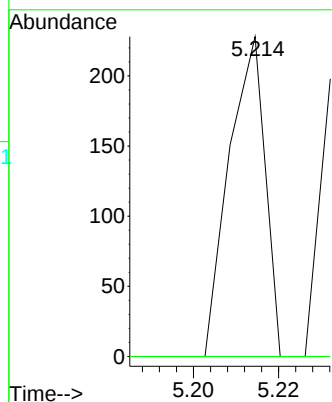
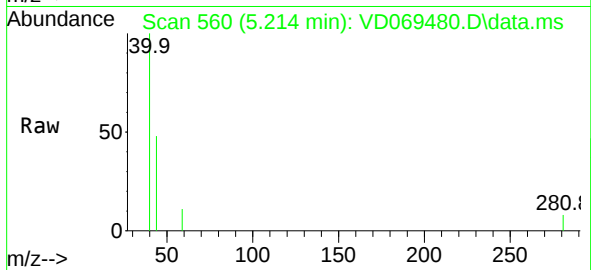


#11

Tert butyl alcohol
Concen: 3.360 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD069480.D
Acq: 17 Jun 2021 15:21

Instrument :
MSVOA_D
ClientSampled :

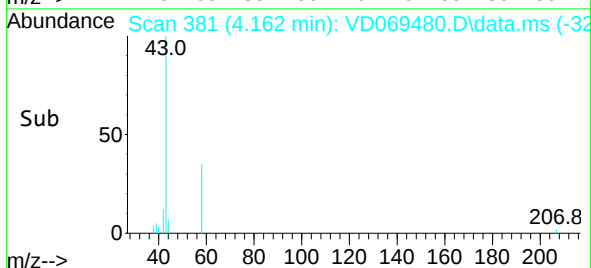
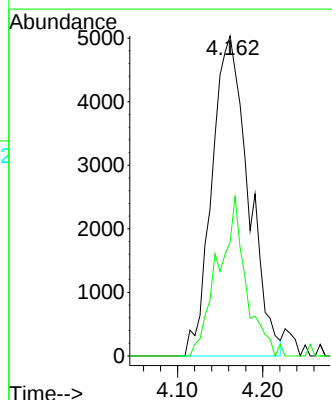
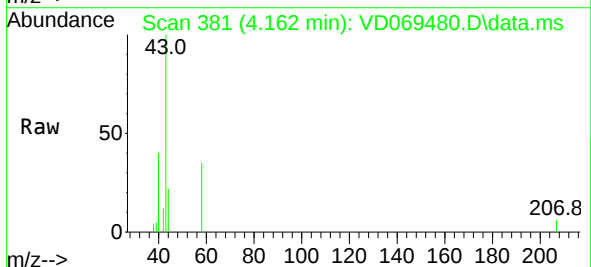
Tgt Ion: 59 Resp: 134
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

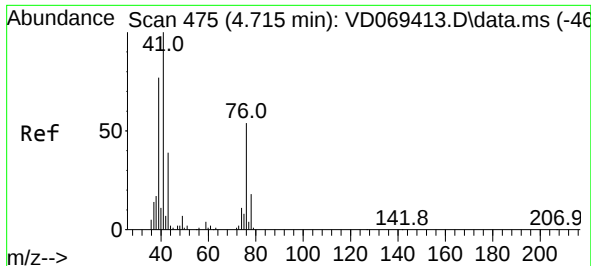


#16

Acetone
Concen: 118.359 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069480.D
Acq: 17 Jun 2021 15:21

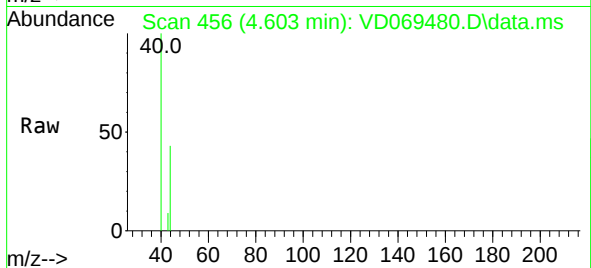
Tgt Ion: 43 Resp: 15028
Ion Ratio Lower Upper
43 100
58 35.5 27.5 41.3



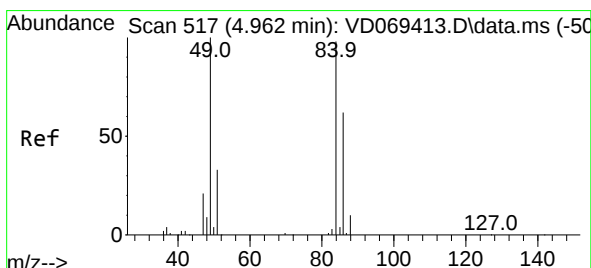
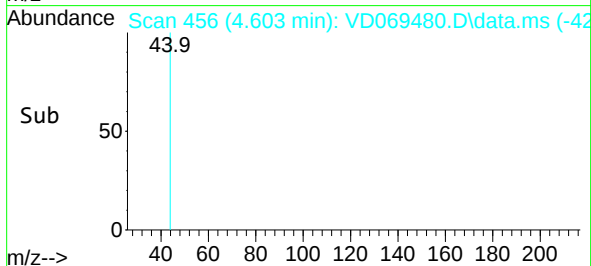
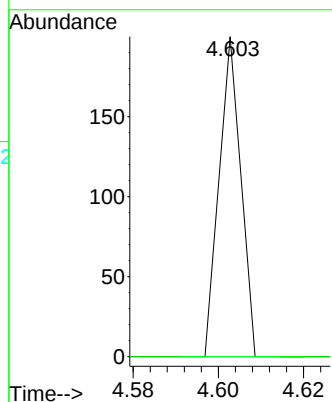


#18
Methyl Acetate
Concen: Below Cal
RT: 4.603 min Scan# 456
Delta R.T. -0.112 min
Lab File: VD069480.D
Acq: 17 Jun 2021 15:21

Instrument :
MSVOA_D
ClientSampled :

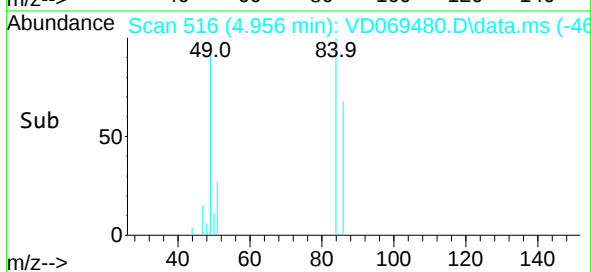
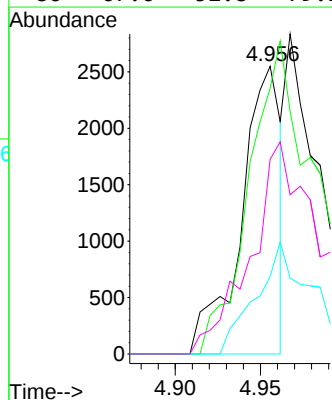
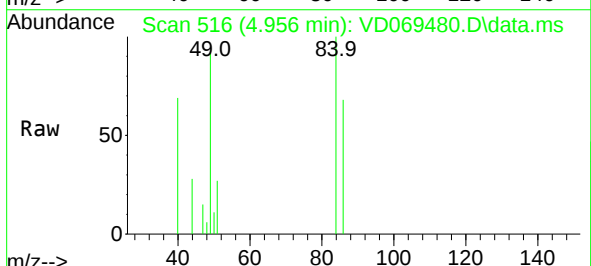


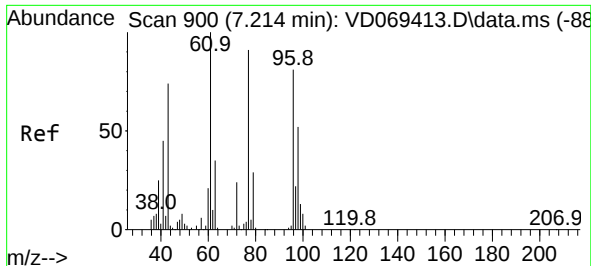
Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD069480.D
Acq: 17 Jun 2021 15:21

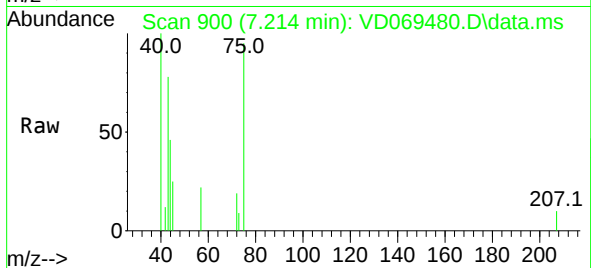
Tgt Ion: 84 Resp: 4119
Ion Ratio Lower Upper
84 100
49 92.4 83.7 125.5
51 26.9 26.4 39.6
86 67.6 52.8 79.2



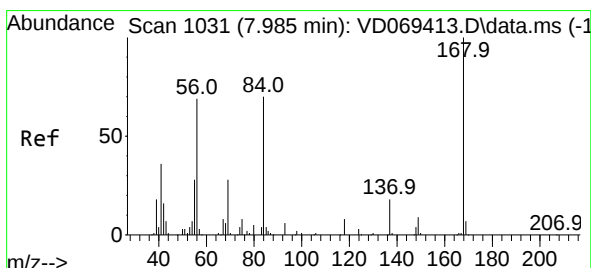
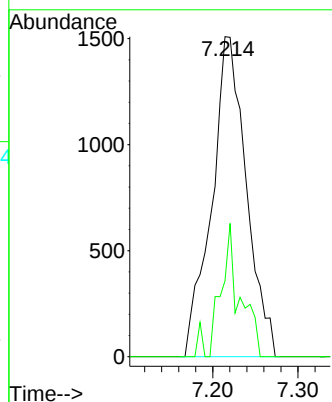
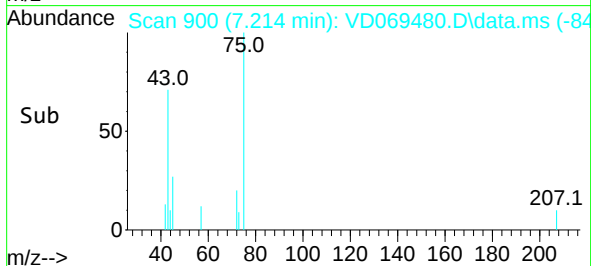


#25
2-Butanone
Concen: 26.913 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD069480.D
Acq: 17 Jun 2021 15:21

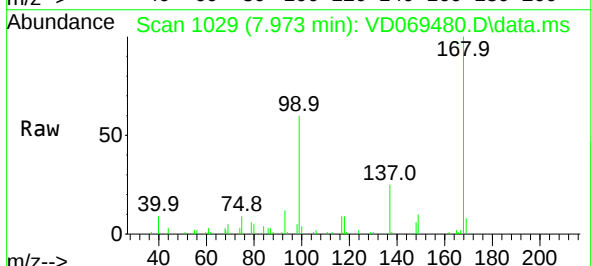
Instrument :
MSVOA_D
ClientSampled :



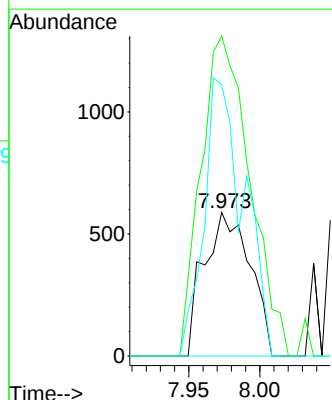
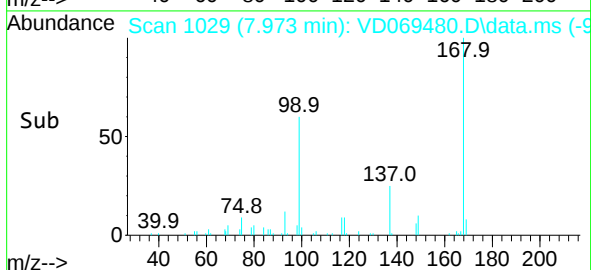
Tgt Ion: 43 Resp: 4261
Ion Ratio Lower Upper
43 100
72 23.7 23.9 35.9#

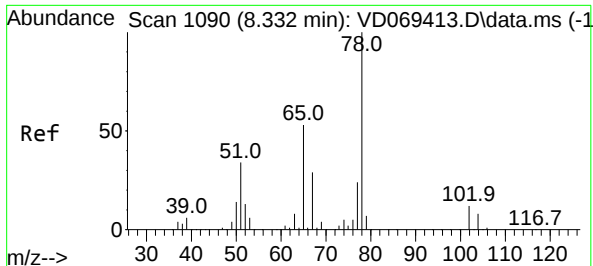


#31
Cyclohexane
Concen: 1.274 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069480.D
Acq: 17 Jun 2021 15:21



Tgt Ion: 56 Resp: 1328
Ion Ratio Lower Upper
56 100
69 223.0 29.0 43.4#
84 188.9 81.1 121.7#



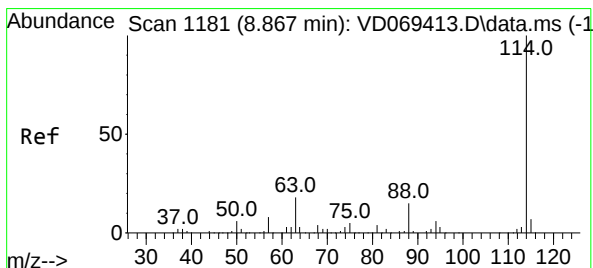
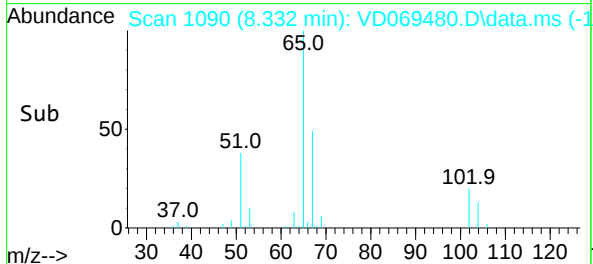
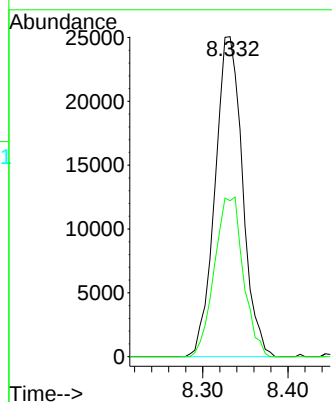
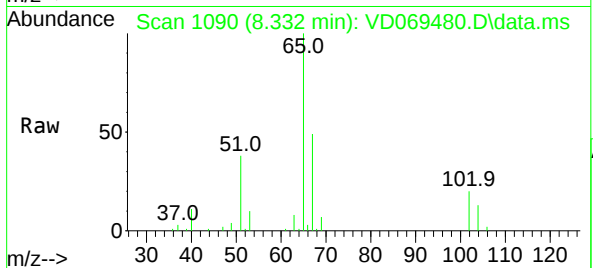


#33

1,2-Dichloroethane-d4
Concen: 73.454 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069480.D
Acq: 17 Jun 2021 15:21

Instrument :
MSVOA_D
ClientSampled :

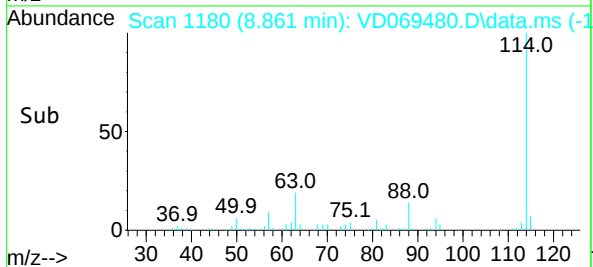
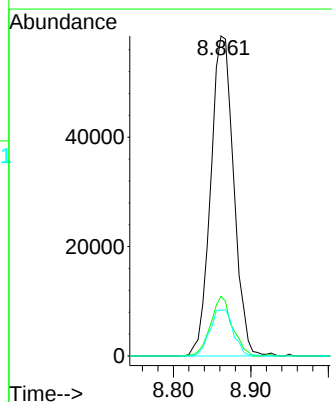
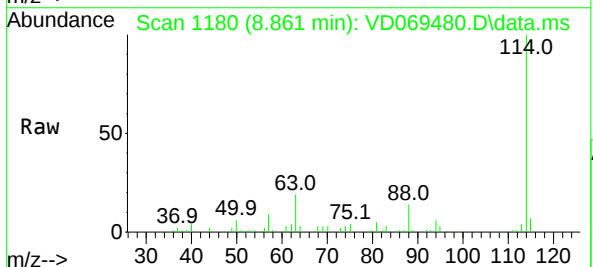
Tgt Ion: 65 Resp: 56345
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.8

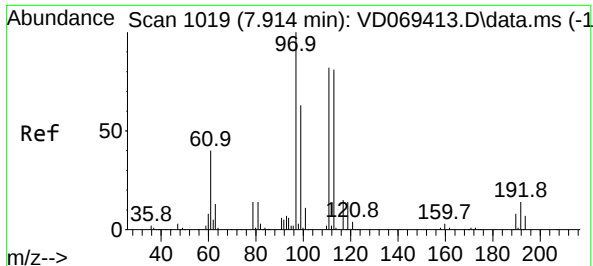


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069480.D
Acq: 17 Jun 2021 15:21

Tgt Ion: 114 Resp: 120928
Ion Ratio Lower Upper
114 100
63 18.7 0.0 35.6
88 14.3 0.0 31.2



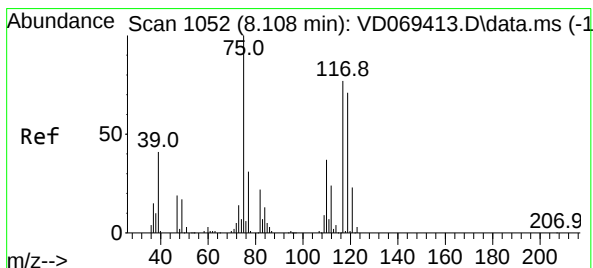
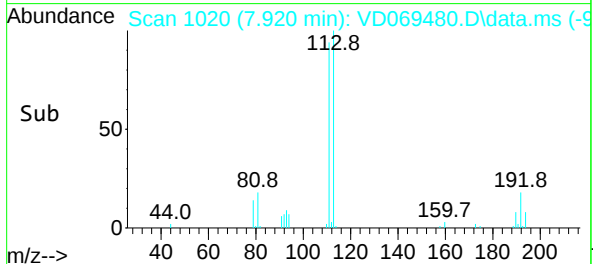
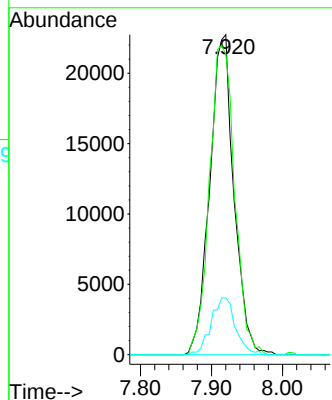
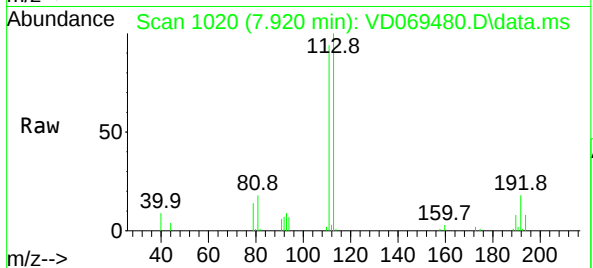


#35

Dibromofluoromethane
Concen: 59.196 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VD069480.D
Acq: 17 Jun 2021 15:21

Instrument :
MSVOA_D
ClientSampled :

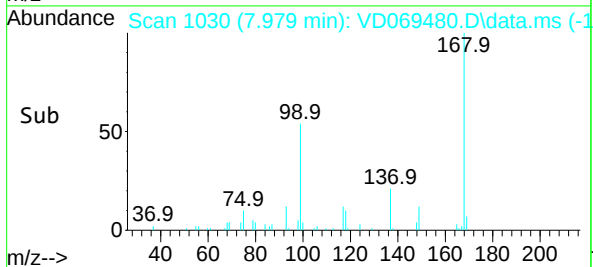
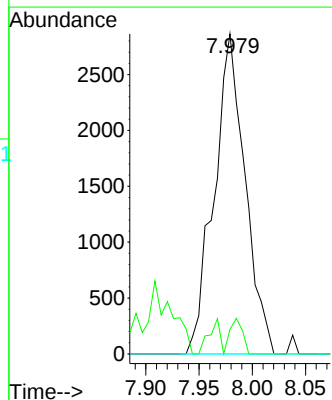
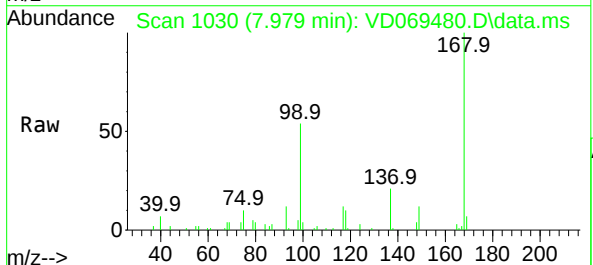
Tgt Ion:113 Resp: 53617
Ion Ratio Lower Upper
113 100
111 100.8 83.0 124.6
192 17.9 15.1 22.7

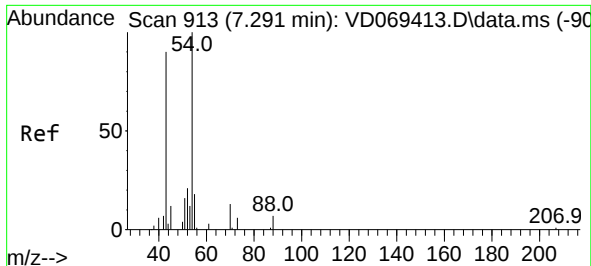


#36

1,1-Dichloropropene
Concen: 4.604 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069480.D
Acq: 17 Jun 2021 15:21

Tgt Ion: 75 Resp: 5797
Ion Ratio Lower Upper
75 100
110 4.5 18.4 55.2#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 10.114 ug/l

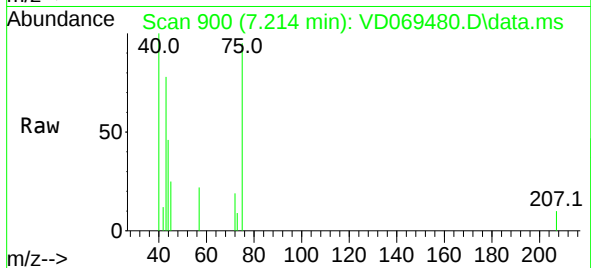
RT: 7.214 min Scan# 900

Delta R.T. -0.077 min

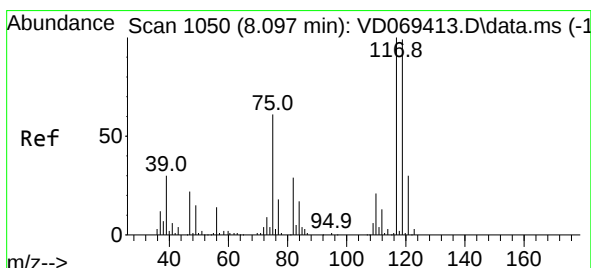
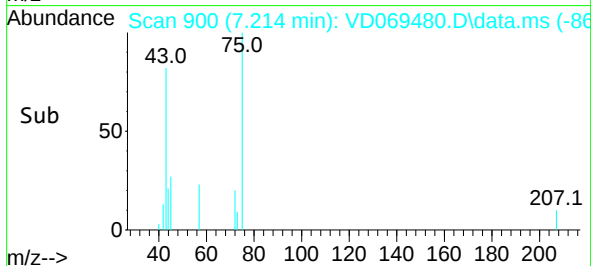
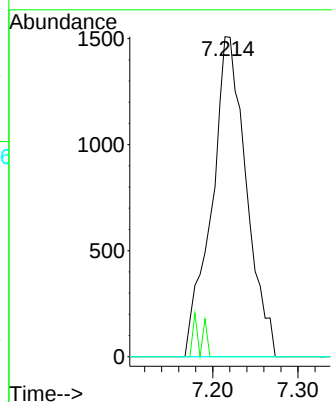
Lab File: VD069480.D

Acq: 17 Jun 2021 15:21

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 43	Resp: 4261
Ion Ratio	Lower Upper
43	100
61	0.0 11.0 16.6#
70	0.0 9.7 14.5#



#38

Carbon Tetrachloride

Concen: 4.853 ug/l

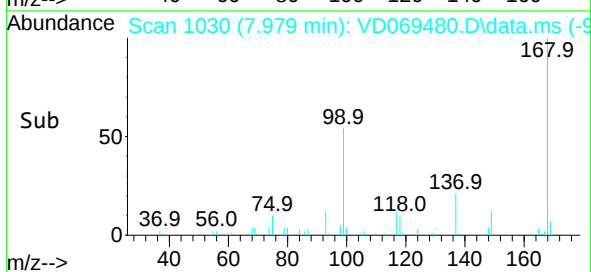
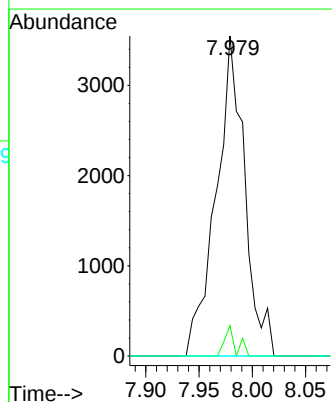
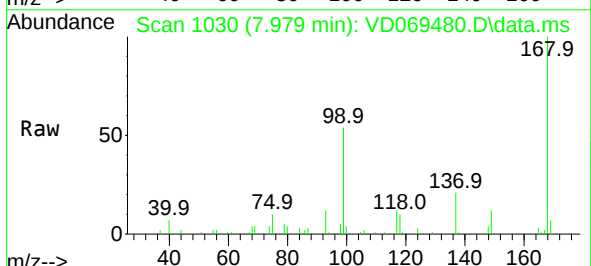
RT: 7.979 min Scan# 1030

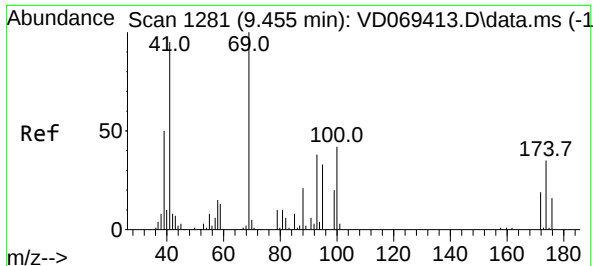
Delta R.T. -0.118 min

Lab File: VD069480.D

Acq: 17 Jun 2021 15:21

Tgt Ion: 117	Resp: 6620
Ion Ratio	Lower Upper
117	100
119	9.4 79.4 119.2#
121	0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 4.902 ug/l

RT: 9.402 min Scan# 1272

Delta R.T. -0.053 min

Lab File: VD069480.D

Acq: 17 Jun 2021 15:21

Tgt Ion: 41 Resp: 1776

Ion Ratio Lower Upper

41 100

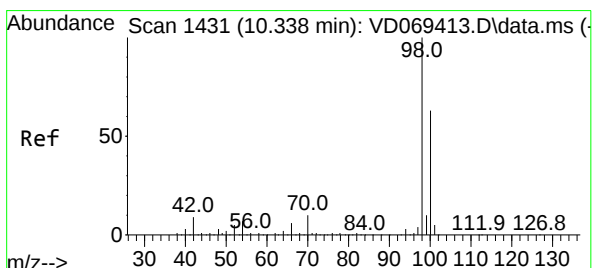
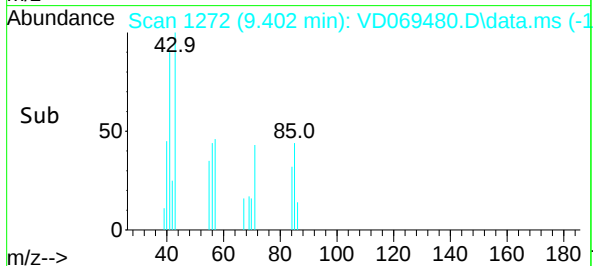
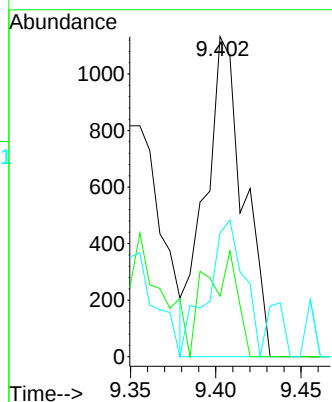
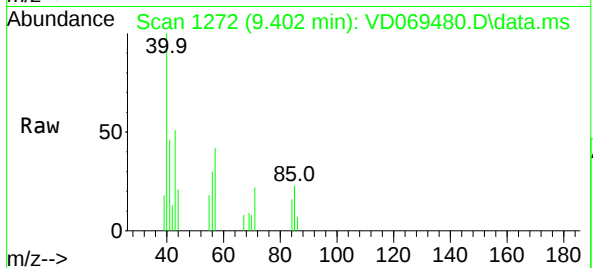
69 26.8 77.6 116.4#

39 40.3 45.3 67.9#

Instrument :

MSVOA_D

ClientSampled :



#50

Toluene-d8

Concen: 49.168 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD069480.D

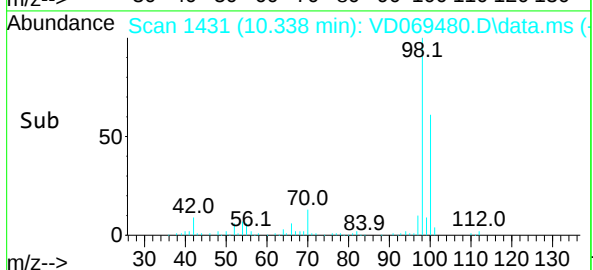
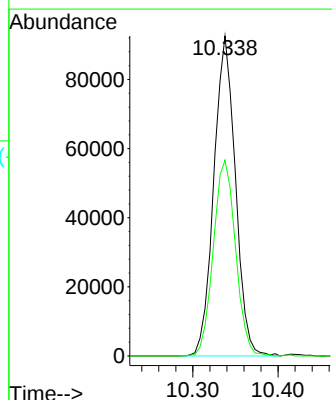
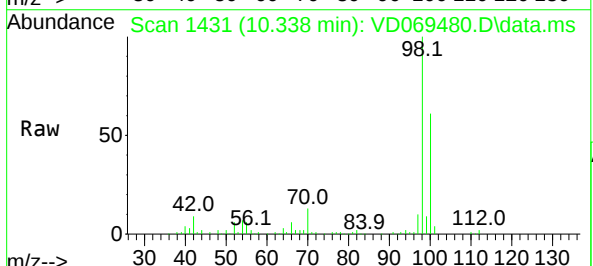
Acq: 17 Jun 2021 15:21

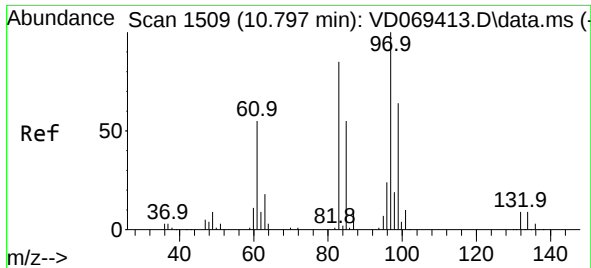
Tgt Ion: 98 Resp: 162882

Ion Ratio Lower Upper

98 100

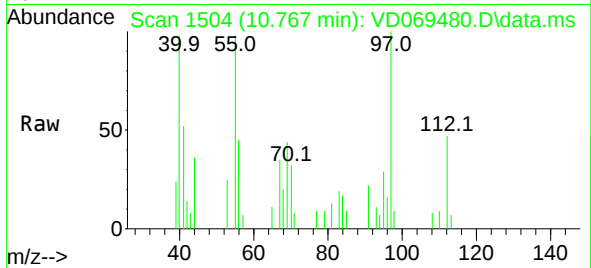
100 62.9 52.1 78.1



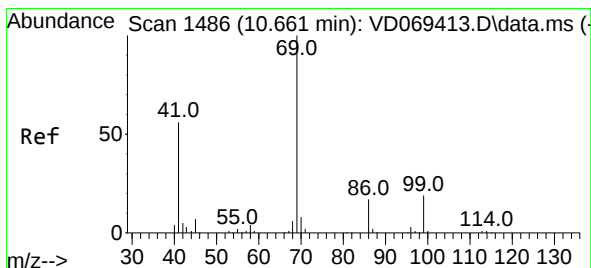
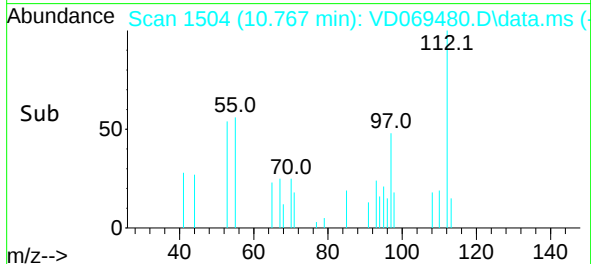
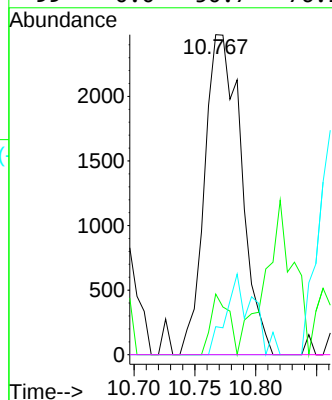


#55
1,1,2-Trichloroethane
Concen: 7.300 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.030 min
Lab File: VD069480.D
Acq: 17 Jun 2021 15:21

Instrument :
MSVOA_D
ClientSampled :

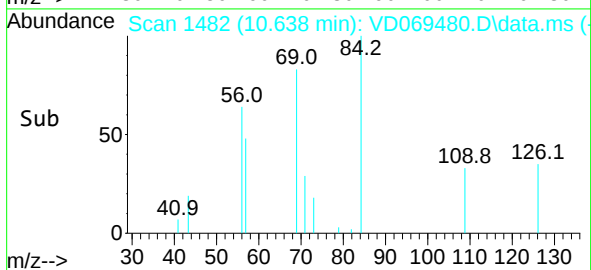
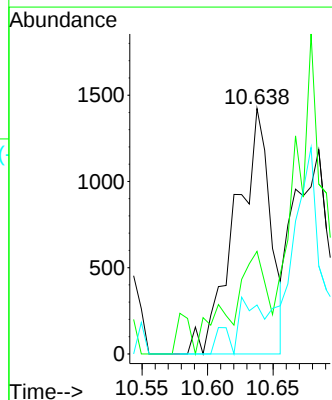
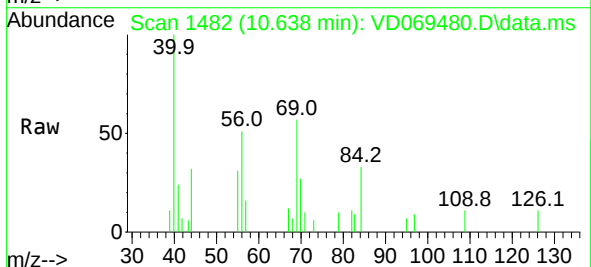


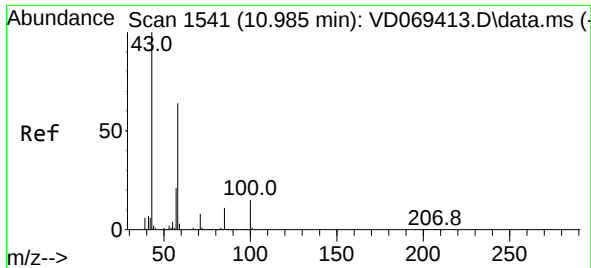
Tgt Ion:	97	Resp:	5173
Ion	Ratio	Lower	Upper
97	100		
83	19.0	69.4	104.0#
85	8.8	44.5	66.7#
99	0.0	50.7	76.1#



#56
Ethyl methacrylate
Concen: 5.918 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.023 min
Lab File: VD069480.D
Acq: 17 Jun 2021 15:21

Tgt Ion:	69	Resp:	2654
Ion	Ratio	Lower	Upper
69	100		
41	43.1	45.4	68.2#
39	18.2	21.7	32.5#

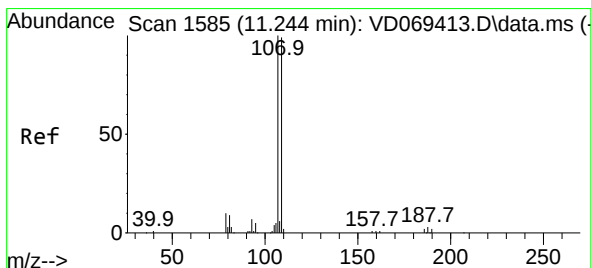
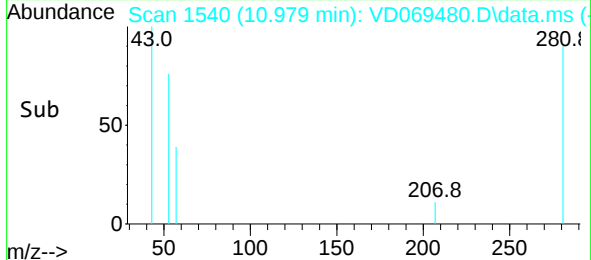
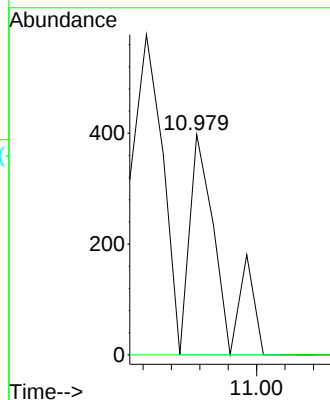
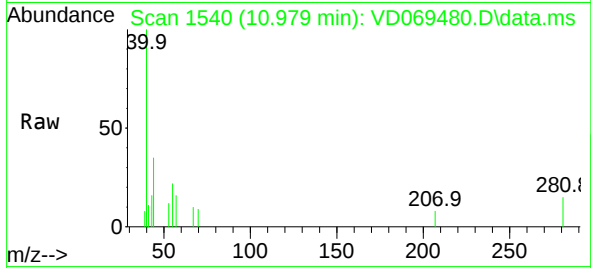




#59
2-Hexanone
Concen: 1.062 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.006 min
Lab File: VD069480.D
Acq: 17 Jun 2021 15:21

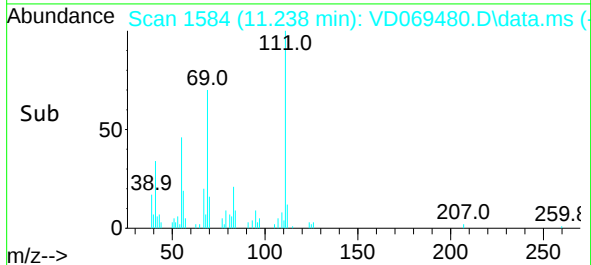
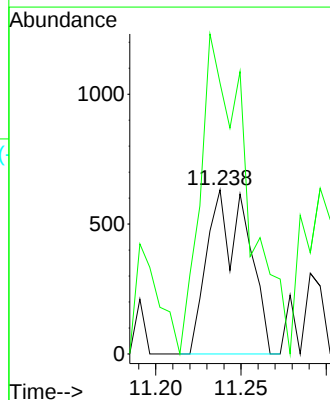
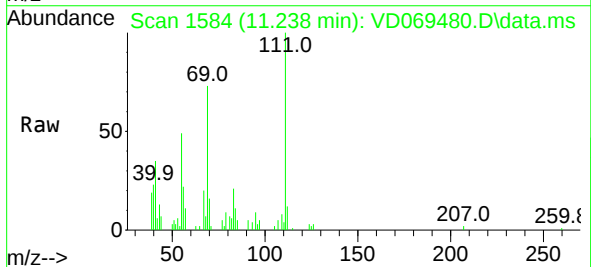
Instrument :
MSVOA_D
ClientSampled :

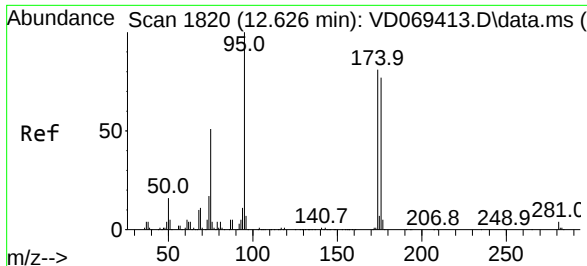
Tgt Ion: 43 Resp: 288
Ion Ratio Lower Upper
43 100
58 0.0 30.8 92.3#



#61
1,2-Dibromoethane
Concen: 1.518 ug/l
RT: 11.238 min Scan# 1584
Delta R.T. -0.006 min
Lab File: VD069480.D
Acq: 17 Jun 2021 15:21

Tgt Ion: 107 Resp: 1033
Ion Ratio Lower Upper
107 100
109 222.9 75.9 113.9#

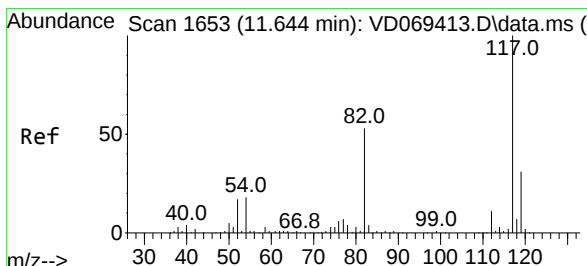
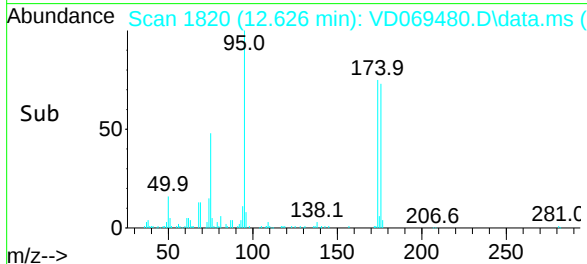
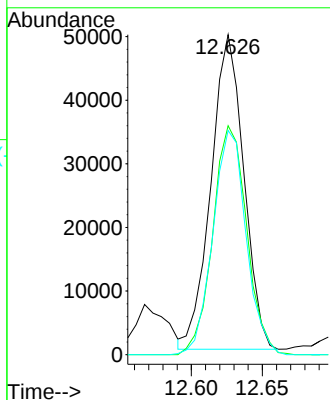
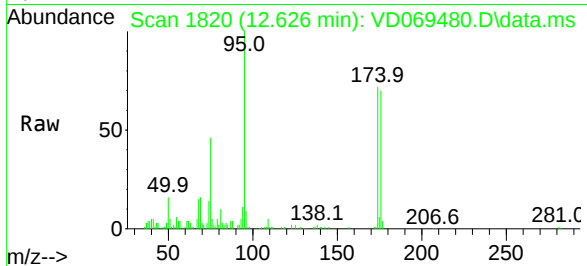




#62
4-Bromofluorobenzene
Concen: 74.653 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069480.D
Acq: 17 Jun 2021 15:21

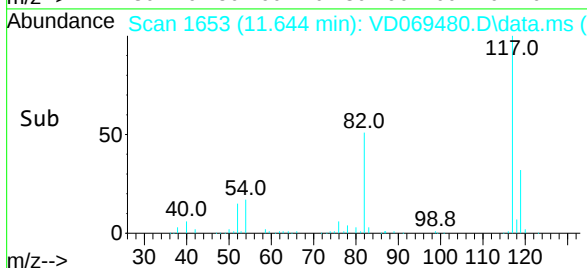
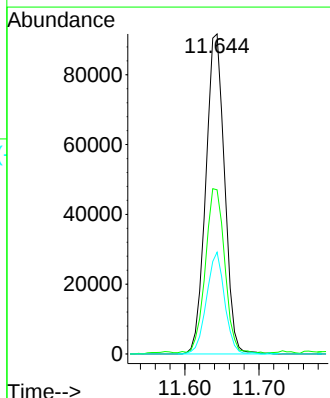
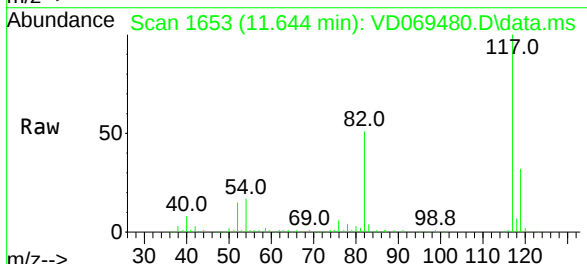
Instrument :
MSVOA_D
ClientSampleId :

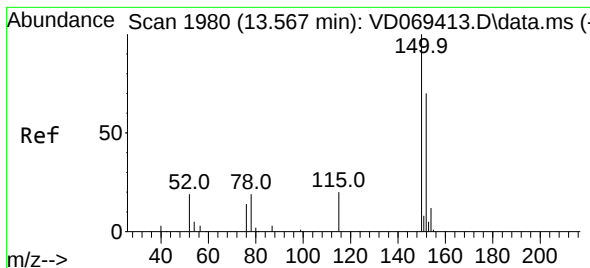
Tgt Ion:	95	Resp:	79352
Ion Ratio	Lower	Upper	
95	100		
174	75.2	0.0	162.8
176	72.1	0.0	154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069480.D
Acq: 17 Jun 2021 15:21

Tgt Ion:	117	Resp:	161120
Ion Ratio	Lower	Upper	
117	100		
82	50.9	43.3	64.9
119	31.8	25.3	37.9

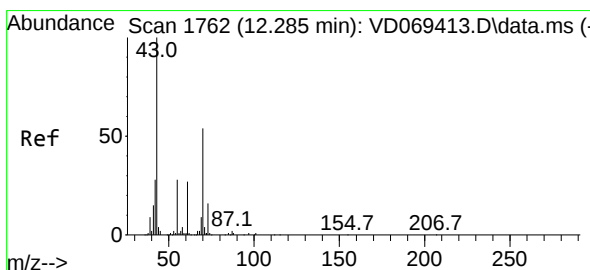
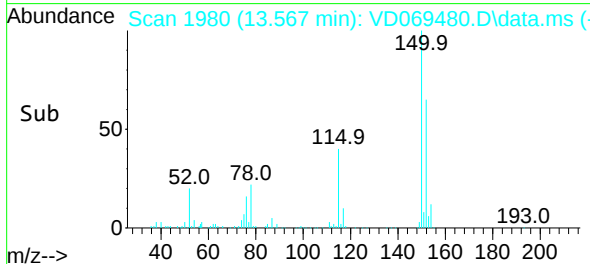
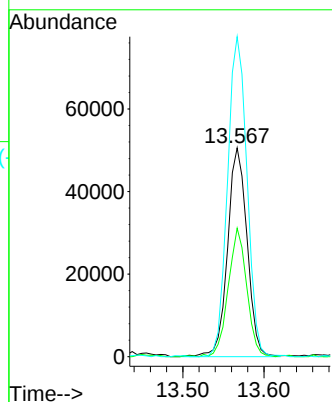
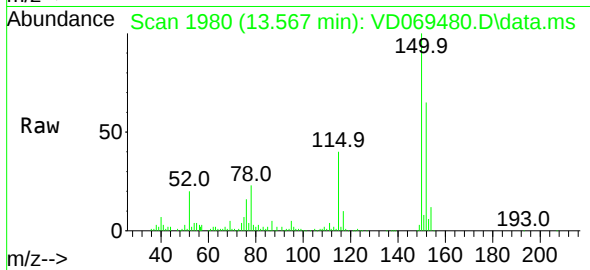




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069480.D
Acq: 17 Jun 2021 15:21

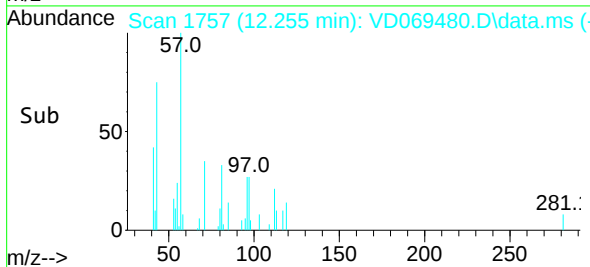
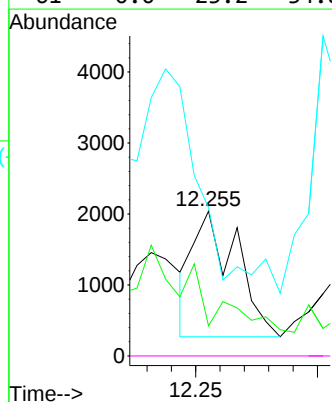
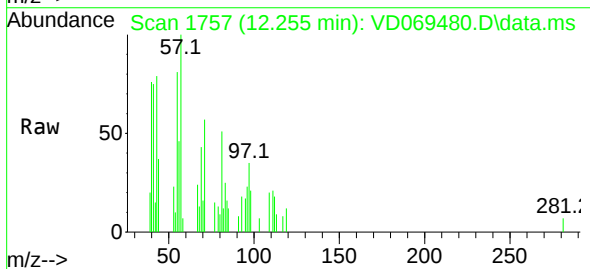
Instrument :
MSVOA_D
ClientSampleId :

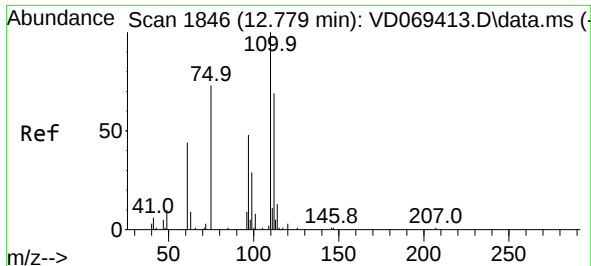
Tgt Ion:152 Resp: 84557
Ion Ratio Lower Upper
152 100
115 58.2 29.4 88.3
150 153.0 0.0 355.0



#74
N-ethyl acetate
Concen: 2.059 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.030 min
Lab File: VD069480.D
Acq: 17 Jun 2021 15:21

Tgt Ion: 43 Resp: 2196
Ion Ratio Lower Upper
43 100
70 0.0 40.9 61.3#
55 0.0 23.4 35.0#
61 0.0 23.2 34.8#

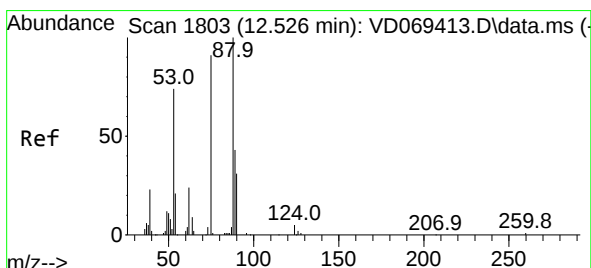
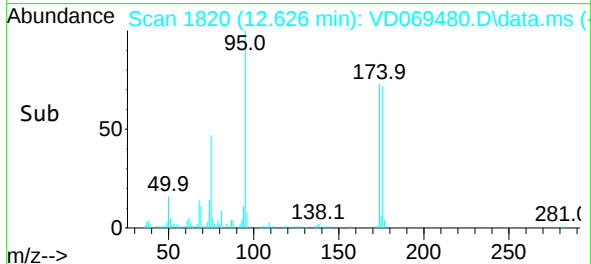
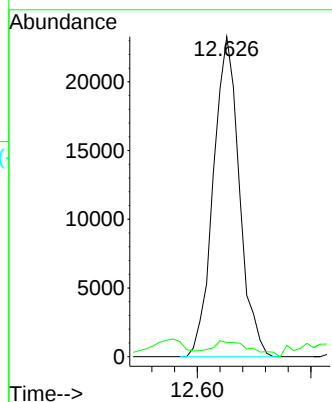
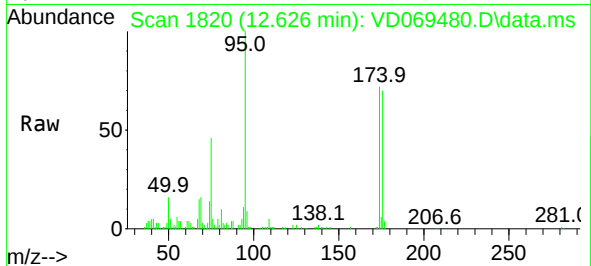




#76
1,2,3-Trichloropropane
Concen: 43.206 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069480.D
Acq: 17 Jun 2021 15:21

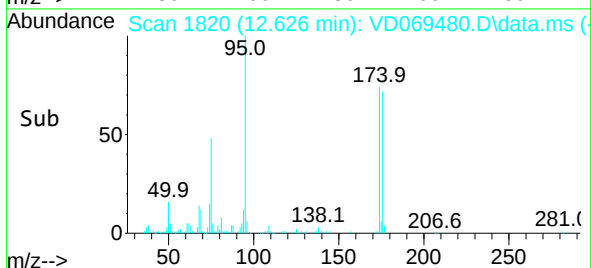
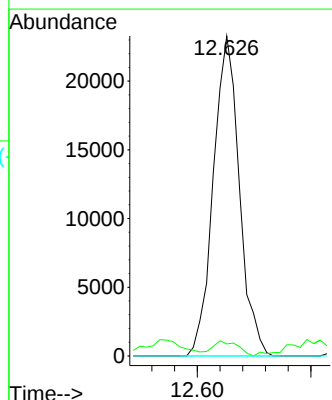
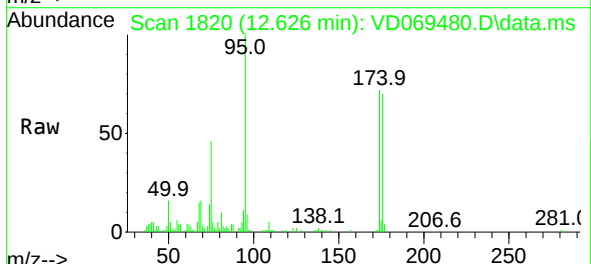
Instrument :
MSVOA_D
ClientSampleId :

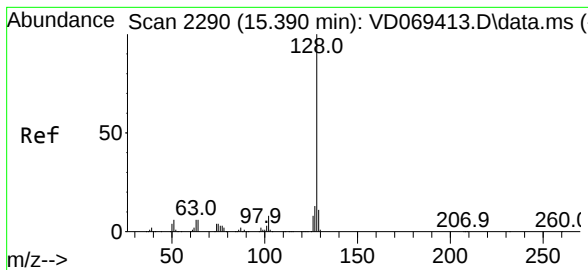
Tgt Ion: 75 Resp: 37039
Ion Ratio Lower Upper
75 100
77 7.2 183.8 551.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.262 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069480.D
Acq: 17 Jun 2021 15:21

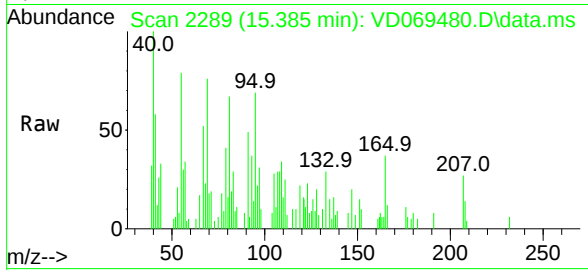
Tgt Ion: 75 Resp: 37039
Ion Ratio Lower Upper
75 100
53 4.6 62.6 94.0#
89 0.0 35.6 53.4#





#95
 Naphthalene
 Concen: 3.872 ug/l
 RT: 15.385 min Scan# 2289
 Delta R.T. -0.005 min
 Lab File: VD069480.D
 Acq: 17 Jun 2021 15:21

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	128	Resp:	950
Ion	Ratio	Lower	Upper
128	100		
127	70.8	10.4	15.6#
129	39.3	8.8	13.2#

