

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061721\
 Data File : VD069471.D
 Acq On : 17 Jun 2021 10:58
 Operator : VA/SY
 Sample : VD0617SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 18 01:24:05 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)

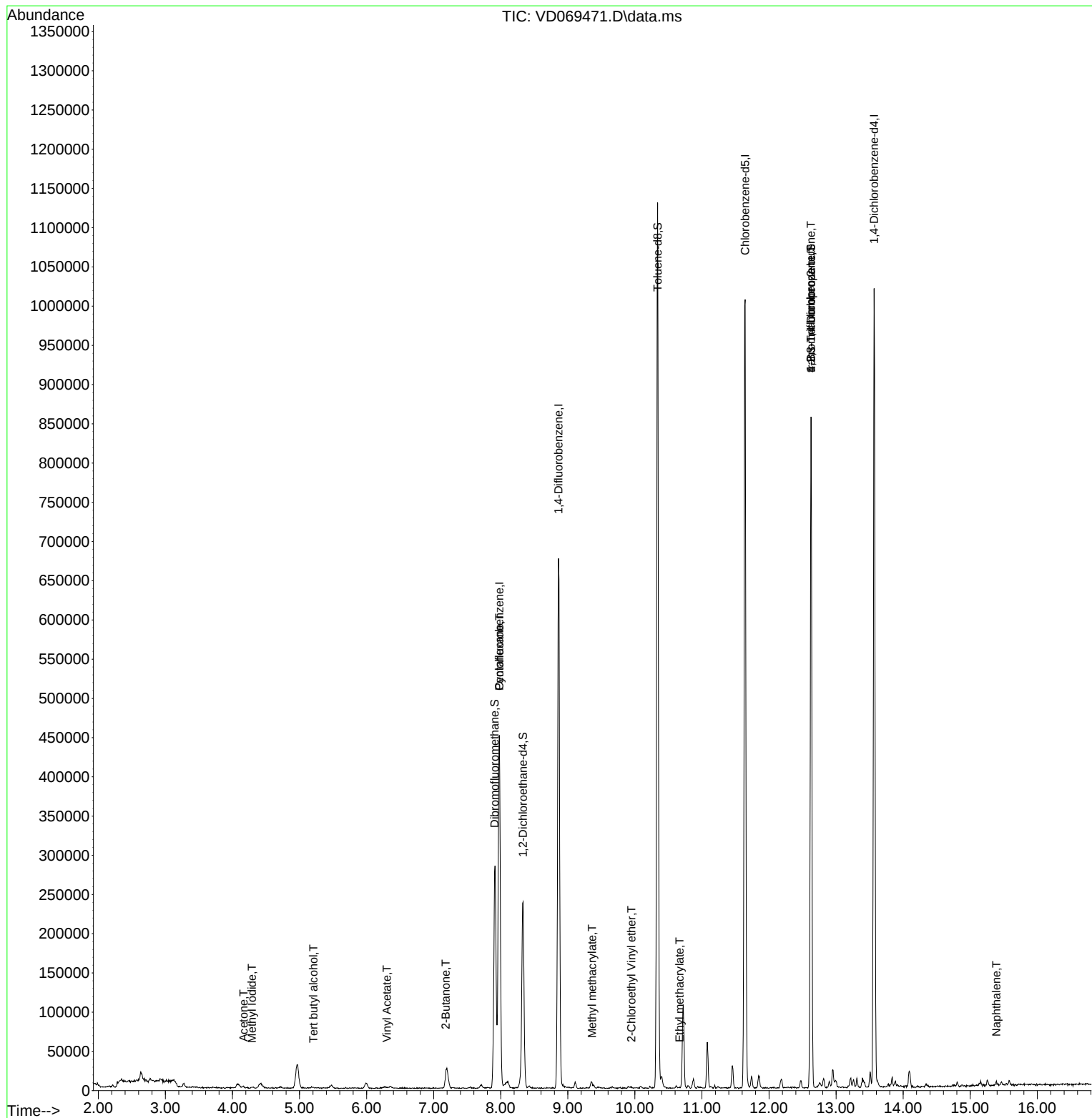
Internal Standards						
1) Pentafluorobenzene	7.979	168	329168	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	605988	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	617256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	281306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	191938	51.686	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.380%			
35) Dibromofluoromethane	7.909	113	205233	45.217	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 90.440%			
50) Toluene-d8	10.338	98	779969	46.984	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.960%			
62) 4-Bromofluorobenzene	12.626	95	261076	49.014	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.020%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.774	94	3032	Below Cal	#	80
10) Methyl Iodide	4.291	142	1497	3.686	ug/l #	88
11) Tert butyl alcohol	5.209	59	796	4.123	ug/l #	73
16) Acetone	4.168	43	3140	5.108	ug/l #	72
18) Methyl Acetate	4.720	43	67	Below Cal	#	46
20) Methylene Chloride	4.962	84	25653	Below Cal	#	85
23) Vinyl Acetate	6.303	43	1254	17.799	ug/l #	67
25) 2-Butanone	7.179	43	858	1.119	ug/l #	45
31) Cyclohexane	7.979	56	8681	1.720	ug/l #	13
48) Methyl methacrylate	9.361	41	1988	1.095	ug/l #	17
56) Ethyl methacrylate	10.667	69	163	2.861	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.950	63	587	12.214	ug/l #	62
76) 1,2,3-Trichloropropane	12.626	75	123702	43.374	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	123702	115.711	ug/l #	18
95) Naphthalene	15.390	128	4653	4.014	ug/l #	89

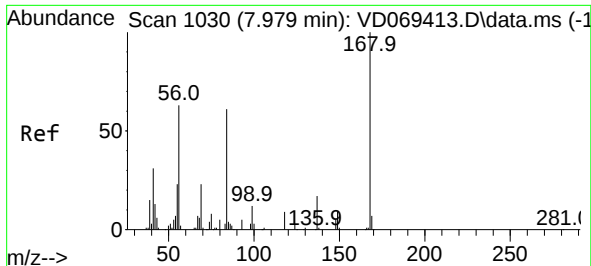
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 18 01:24:05 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

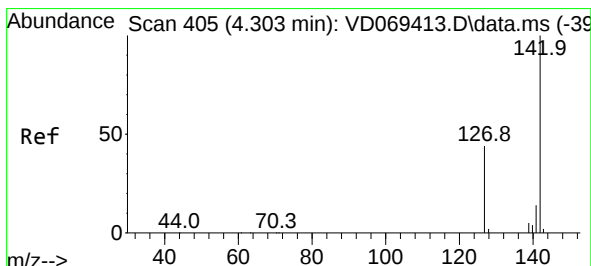
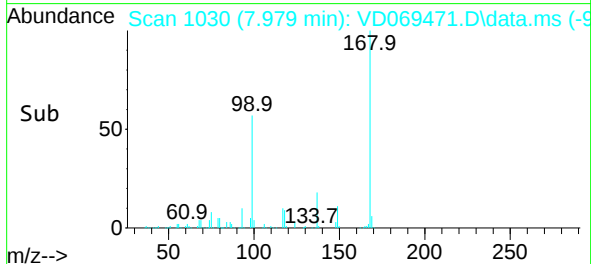
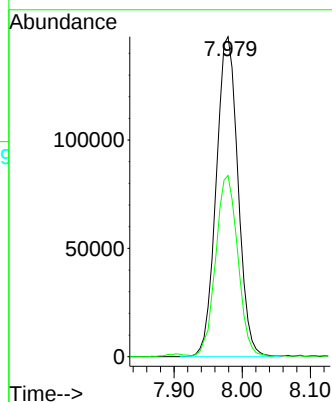
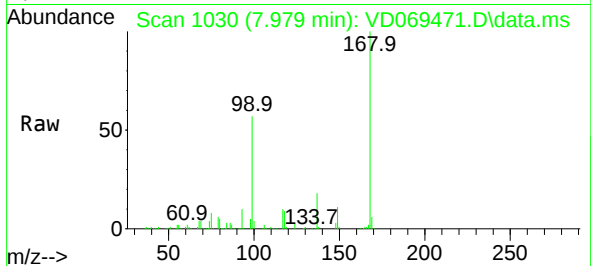




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069471.D
Acq: 17 Jun 2021 10:58

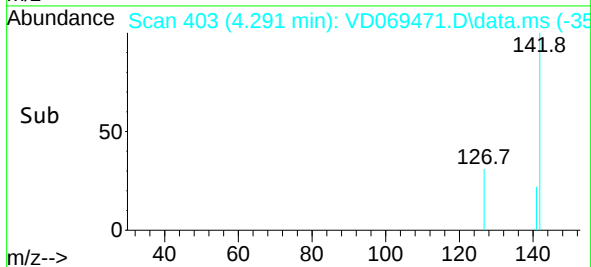
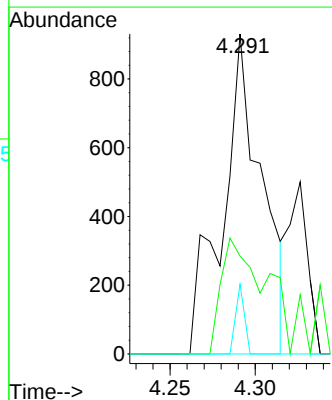
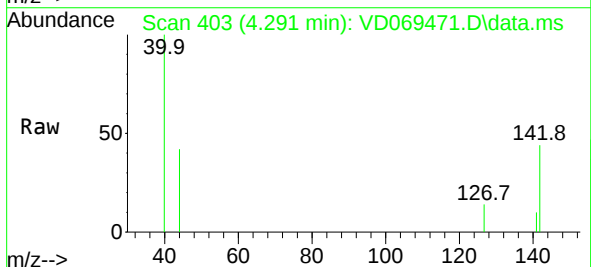
Instrument :
MSVOA_D
ClientSampleId :

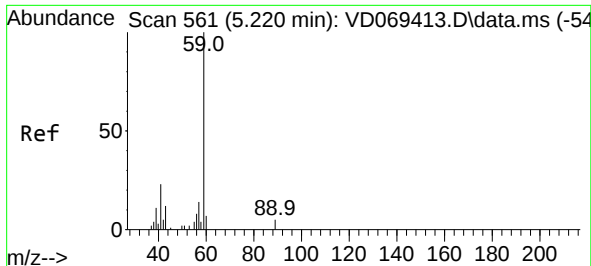
Tgt Ion:168 Resp: 329168
Ion Ratio Lower Upper
168 100
99 56.3 46.2 69.2



#10
Methyl Iodide
Concen: 3.686 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD069471.D
Acq: 17 Jun 2021 10:58

Tgt Ion:142 Resp: 1497
Ion Ratio Lower Upper
142 100
127 40.3 36.2 54.2
141 4.8 12.2 18.2#



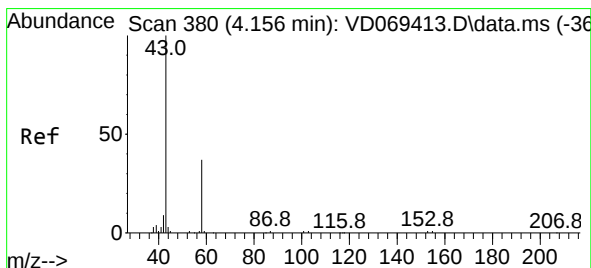
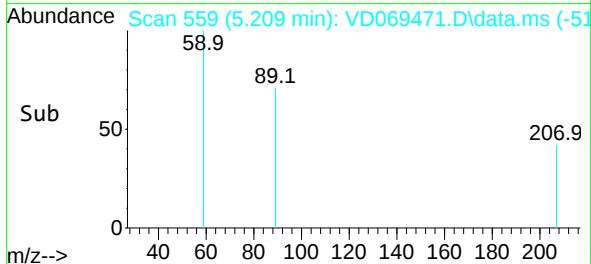
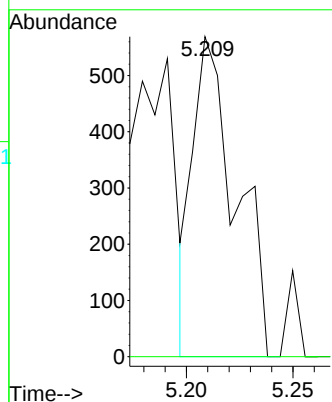
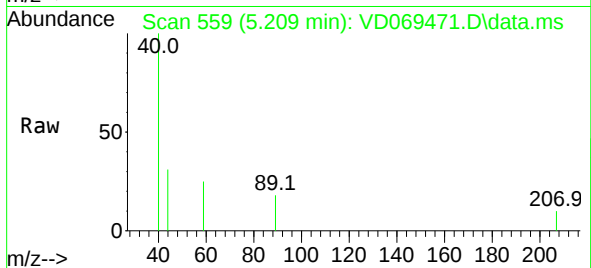


#11

Tert butyl alcohol
Concen: 4.123 ug/l
RT: 5.209 min Scan# 559
Delta R.T. -0.011 min
Lab File: VD069471.D
Acq: 17 Jun 2021 10:58

Instrument :
MSVOA_D
ClientSampled :

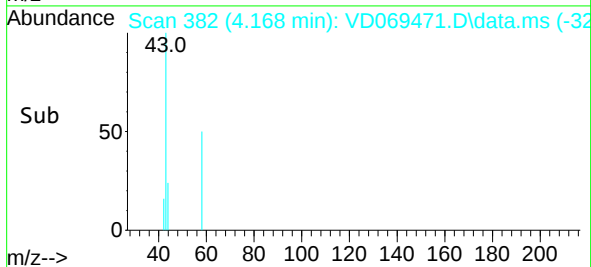
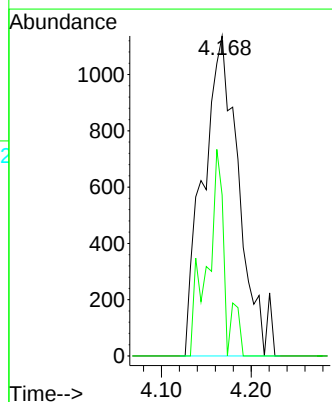
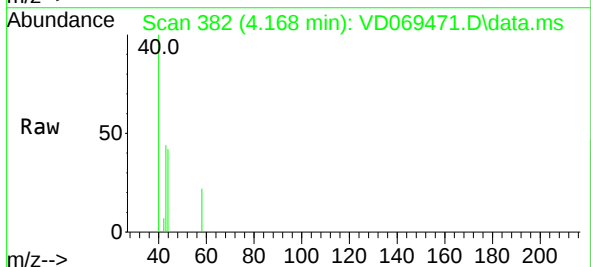
Tgt Ion: 59 Resp: 796
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

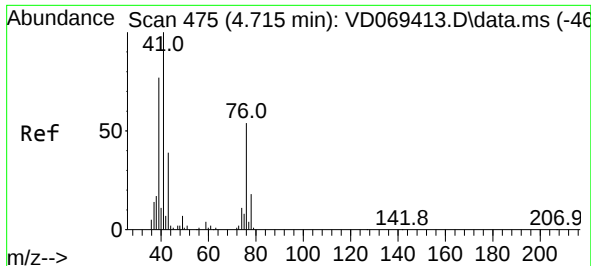


#16

Acetone
Concen: 5.108 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD069471.D
Acq: 17 Jun 2021 10:58

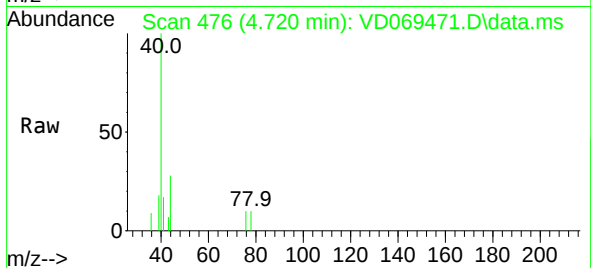
Tgt Ion: 43 Resp: 3140
Ion Ratio Lower Upper
43 100
58 50.3 27.5 41.3#



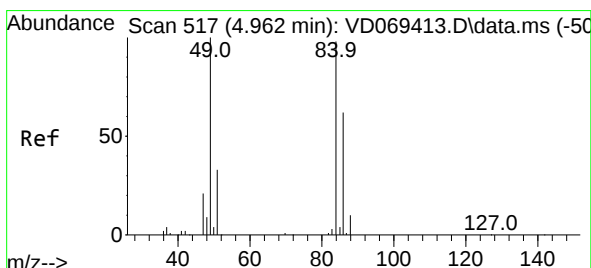
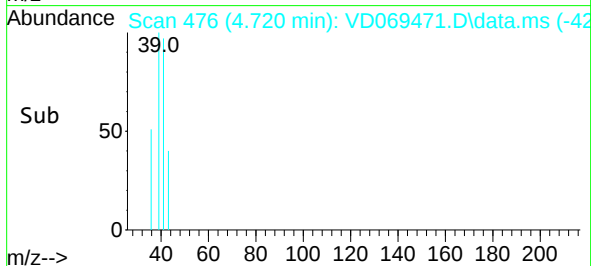
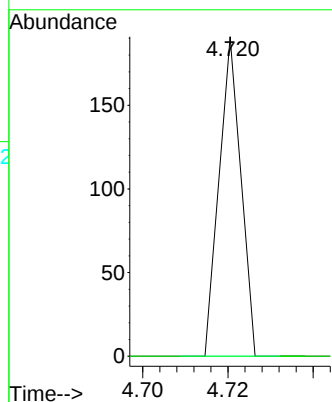


#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 476
Delta R.T. 0.005 min
Lab File: VD069471.D
Acq: 17 Jun 2021 10:58

Instrument :
MSVOA_D
ClientSampleId :

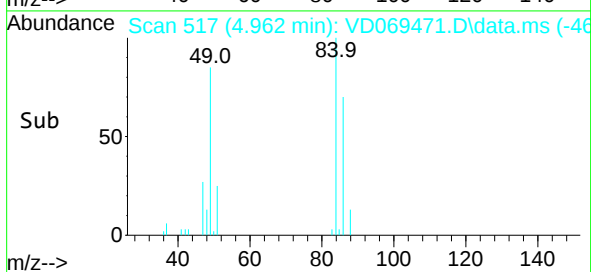
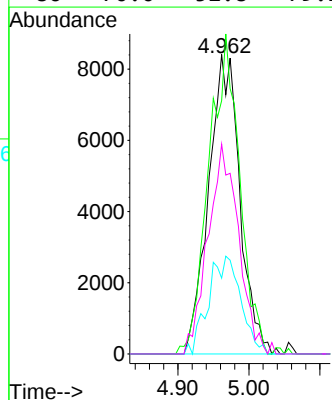
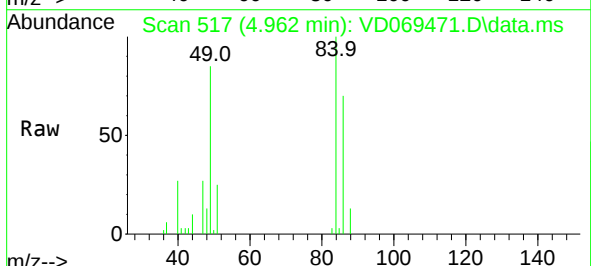


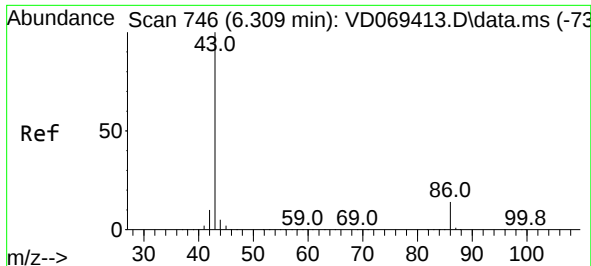
Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069471.D
Acq: 17 Jun 2021 10:58

Tgt Ion: 84 Resp: 25653
Ion Ratio Lower Upper
84 100
49 82.6 83.7 125.5#
51 25.3 26.4 39.6#
86 70.0 52.8 79.2

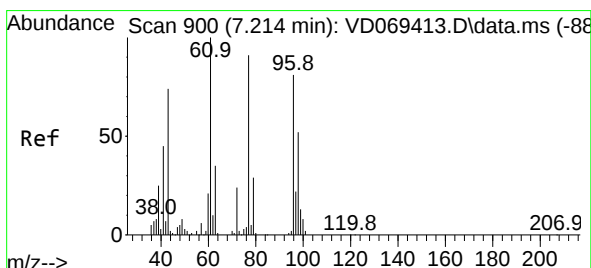
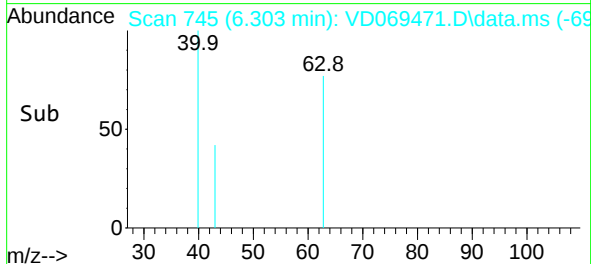
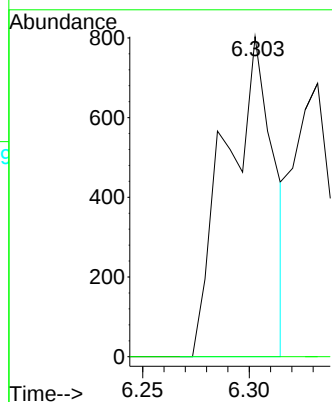
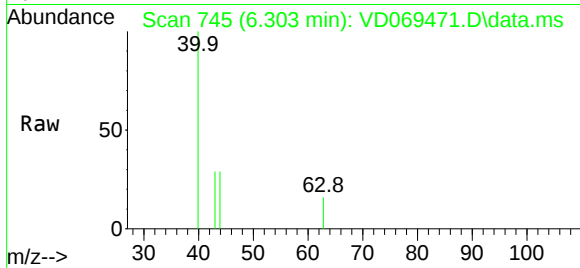




#23
 Vinyl Acetate
 Concen: 17.799 ug/l
 RT: 6.303 min Scan# 745
 Delta R.T. -0.006 min
 Lab File: VD069471.D
 Acq: 17 Jun 2021 10:58

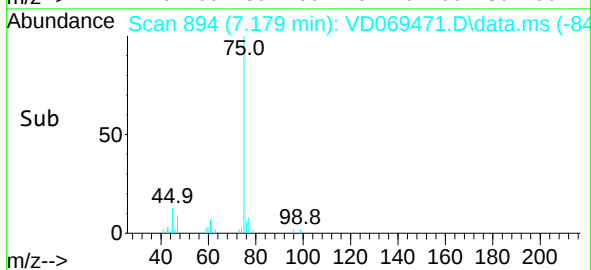
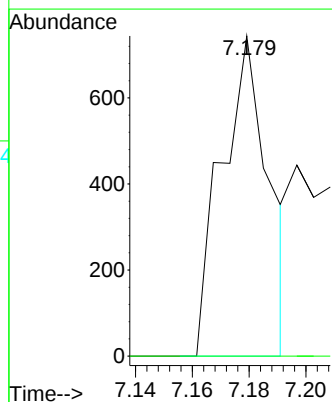
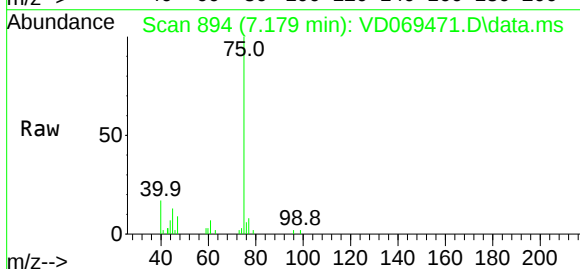
Instrument :
 MSVOA_D
 ClientSampleId :

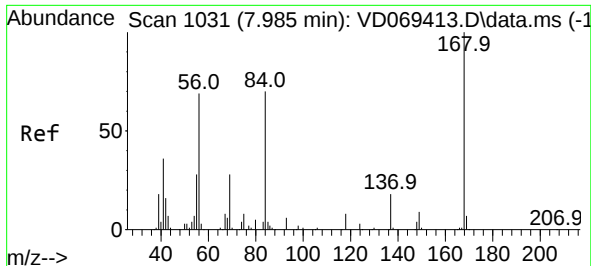
Tgt Ion: 43 Resp: 1254
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.5 15.7#



#25
 2-Butanone
 Concen: 1.119 ug/l
 RT: 7.179 min Scan# 894
 Delta R.T. -0.035 min
 Lab File: VD069471.D
 Acq: 17 Jun 2021 10:58

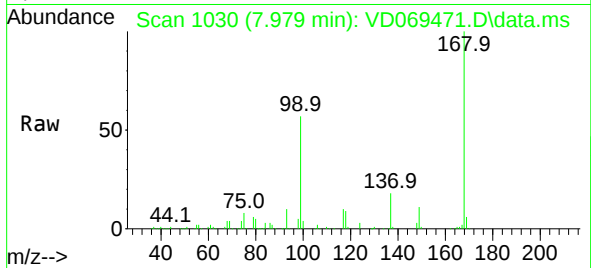
Tgt Ion: 43 Resp: 858
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.9 35.9#



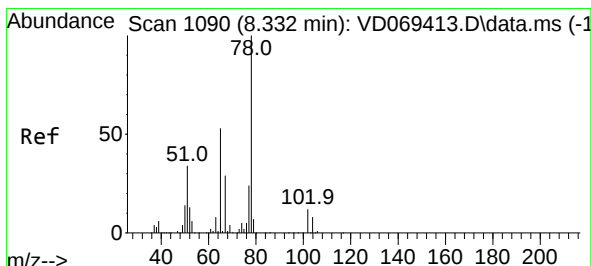
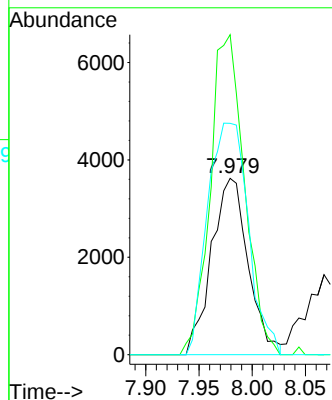
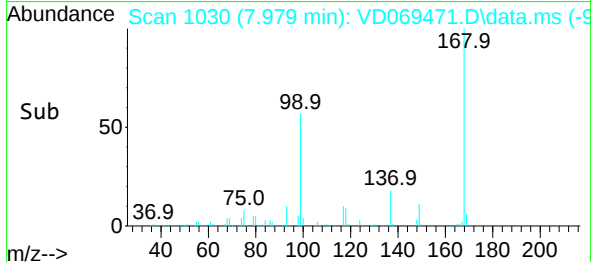


#31
Cyclohexane
Concen: 1.720 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069471.D
Acq: 17 Jun 2021 10:58

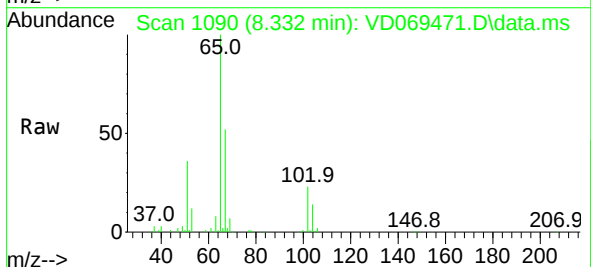
Instrument :
MSVOA_D
ClientSampled :



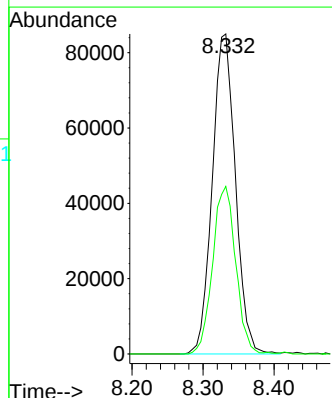
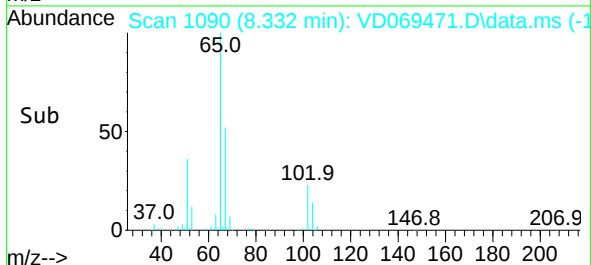
Tgt Ion: 56 Resp: 8681
Ion Ratio Lower Upper
56 100
69 181.5 29.0 43.4#
84 131.2 81.1 121.7#

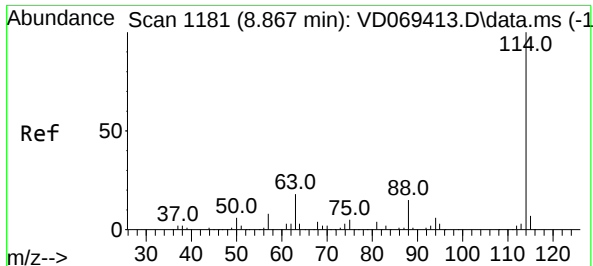


#33
1,2-Dichloroethane-d4
Concen: 51.686 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069471.D
Acq: 17 Jun 2021 10:58



Tgt Ion: 65 Resp: 191938
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: VD069471.D

Acq: 17 Jun 2021 10:58

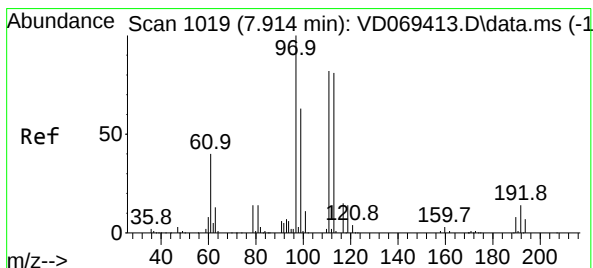
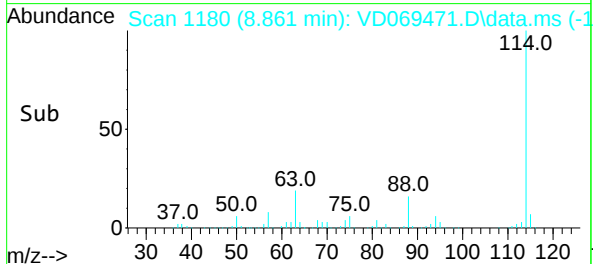
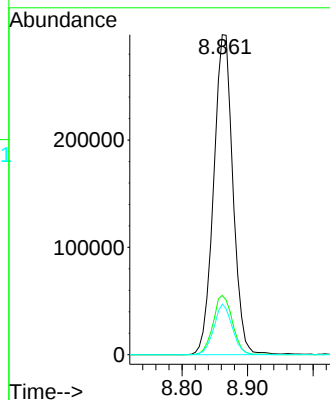
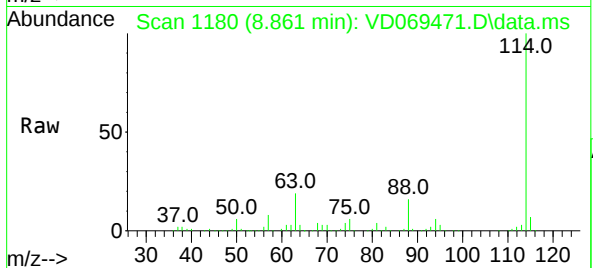
Tgt Ion:114 Resp: 605988

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.6

88 15.8 0.0 31.2



#35

Dibromofluoromethane

Concen: 45.217 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD069471.D

Acq: 17 Jun 2021 10:58

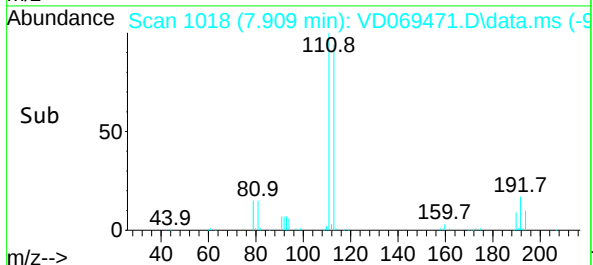
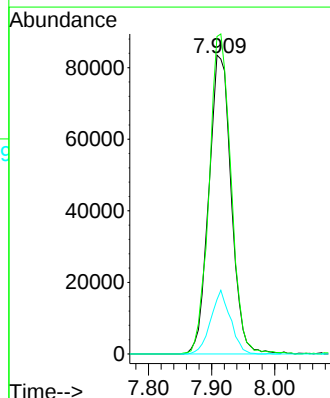
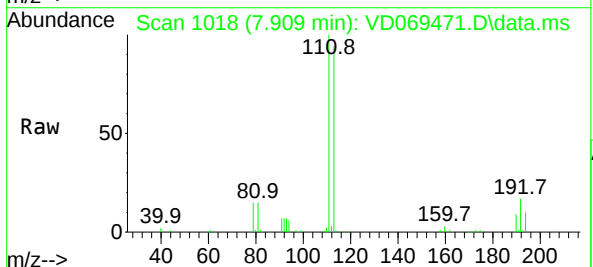
Tgt Ion:113 Resp: 205233

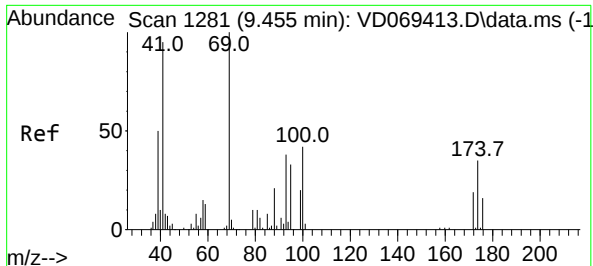
Ion Ratio Lower Upper

113 100

111 105.1 83.0 124.6

192 18.8 15.1 22.7

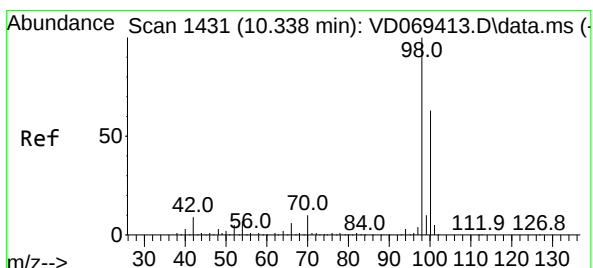
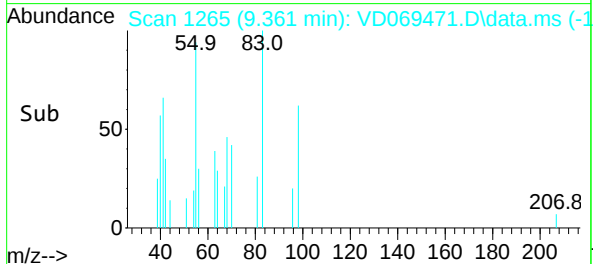
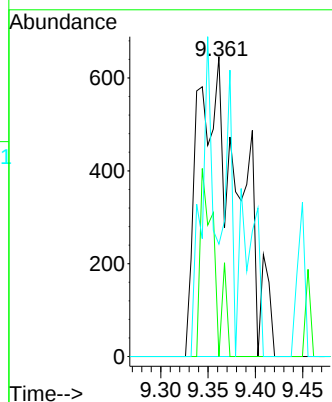
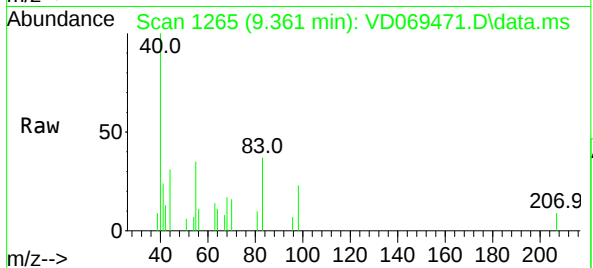




#48
Methyl methacrylate
Concen: 1.095 ug/l
RT: 9.361 min Scan# 1265
Delta R.T. -0.094 min
Lab File: VD069471.D
Acq: 17 Jun 2021 10:58

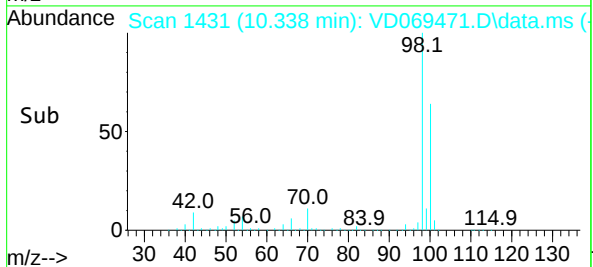
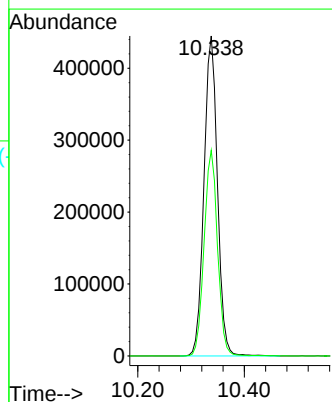
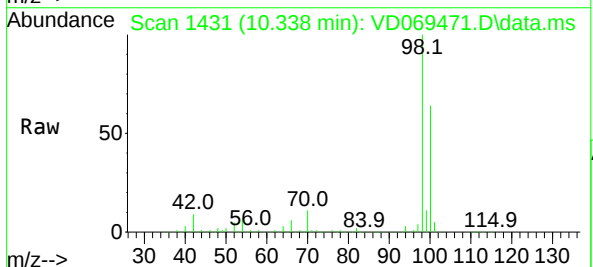
Instrument :
MSVOA_D
ClientSampleId :

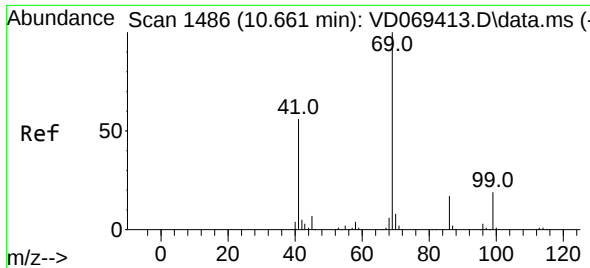
Tgt Ion: 41 Resp: 1988
Ion Ratio Lower Upper
41 100
69 0.0 77.6 116.4#
39 16.1 45.3 67.9#



#50
Toluene-d8
Concen: 46.984 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069471.D
Acq: 17 Jun 2021 10:58

Tgt Ion: 98 Resp: 779969
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1

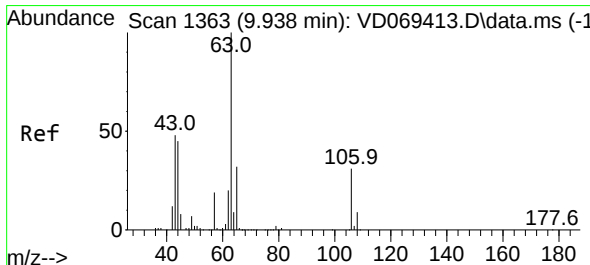
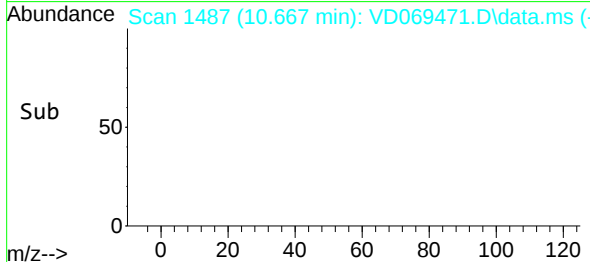
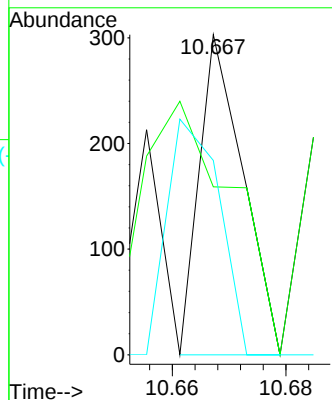
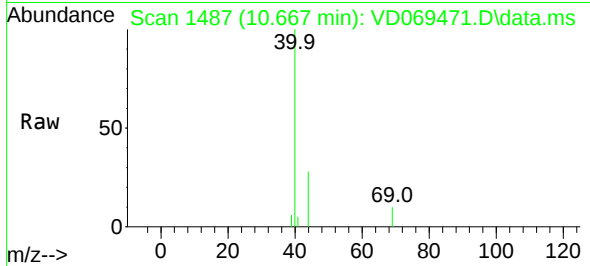




#56
Ethyl methacrylate
Concen: 2.861 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.006 min
Lab File: VD069471.D
Acq: 17 Jun 2021 10:58

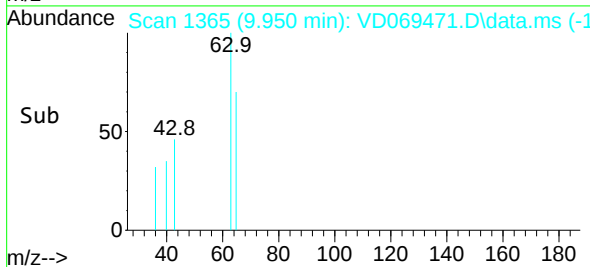
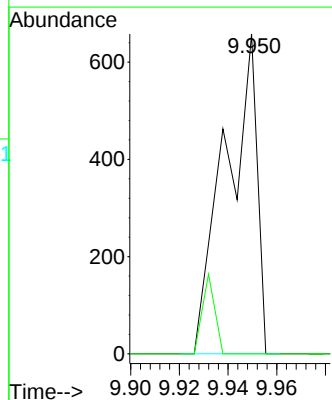
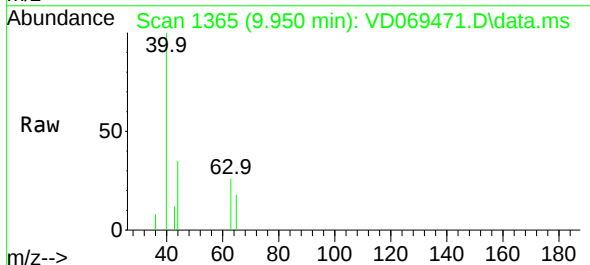
Instrument :
MSVOA_D
ClientSampleId :

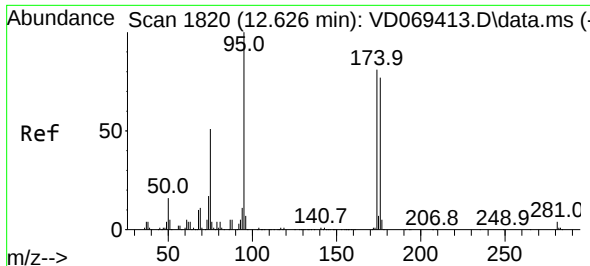
Tgt Ion: 69 Resp: 163
Ion Ratio Lower Upper
69 100
41 161.3 45.4 68.2#
39 88.3 21.7 32.5#



#58
2-Chloroethyl Vinyl ether
Concen: 12.214 ug/l
RT: 9.950 min Scan# 1365
Delta R.T. 0.012 min
Lab File: VD069471.D
Acq: 17 Jun 2021 10:58

Tgt Ion: 63 Resp: 587
Ion Ratio Lower Upper
63 100
106 9.9 24.8 37.2#

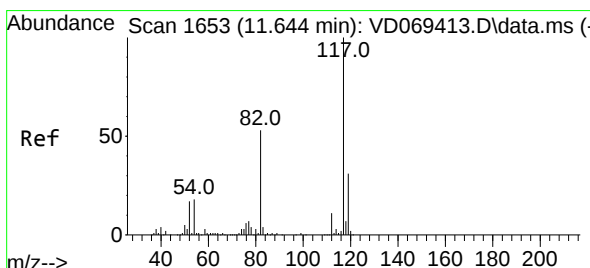
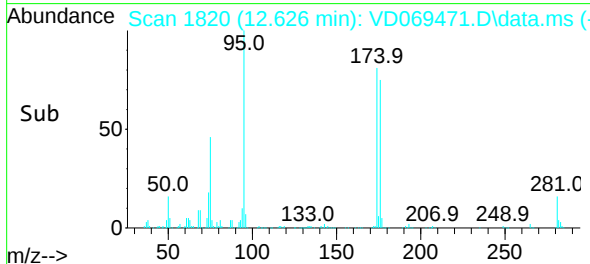
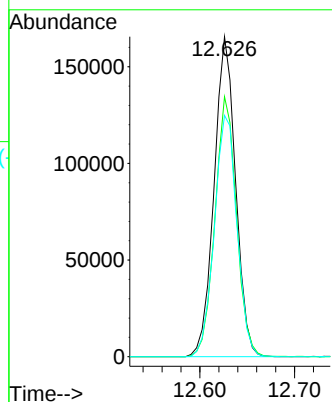
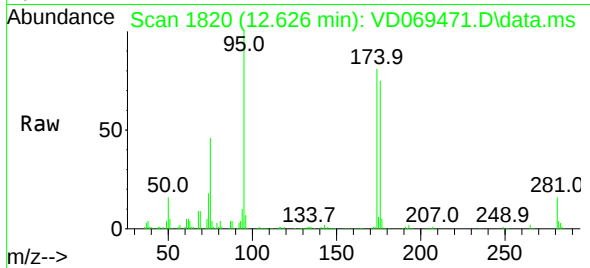




#62
4-Bromofluorobenzene
Concen: 49.014 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069471.D
Acq: 17 Jun 2021 10:58

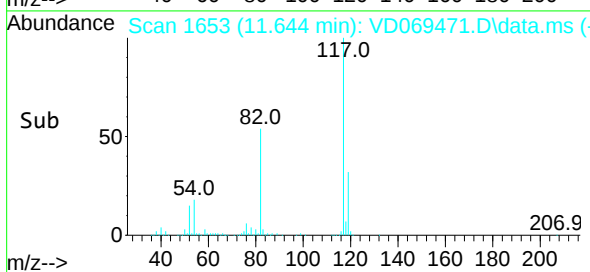
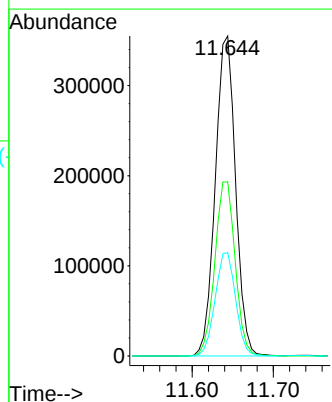
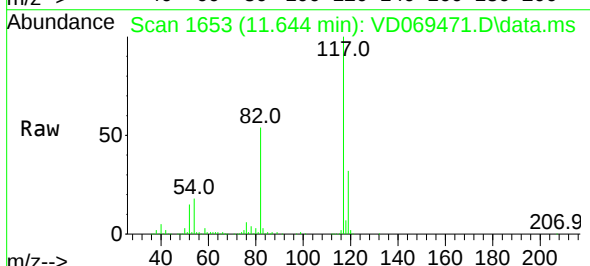
Instrument :
MSVOA_D
ClientSampleId :

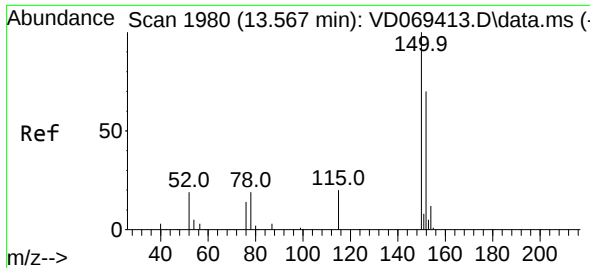
Tgt Ion: 95 Resp: 261076
Ion Ratio Lower Upper
95 100
174 81.4 0.0 162.8
176 79.1 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069471.D
Acq: 17 Jun 2021 10:58

Tgt Ion: 117 Resp: 617256
Ion Ratio Lower Upper
117 100
82 54.4 43.3 64.9
119 32.3 25.3 37.9

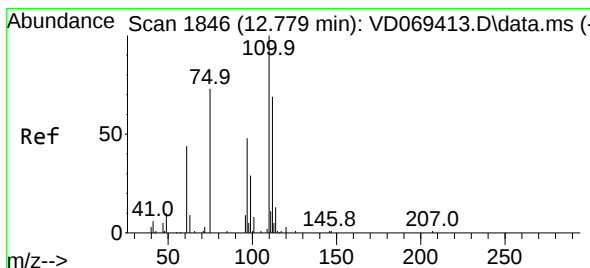
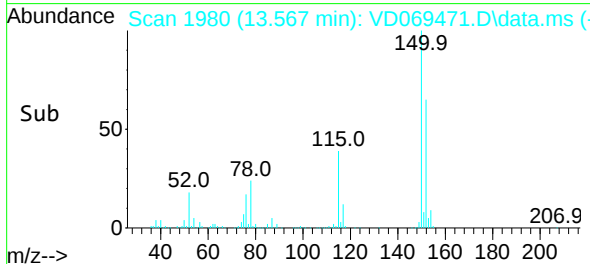
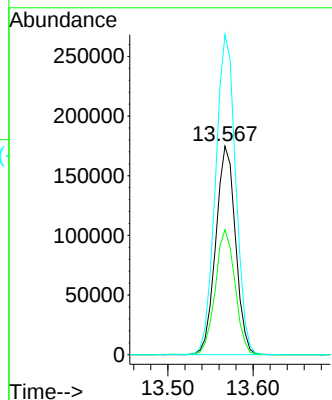
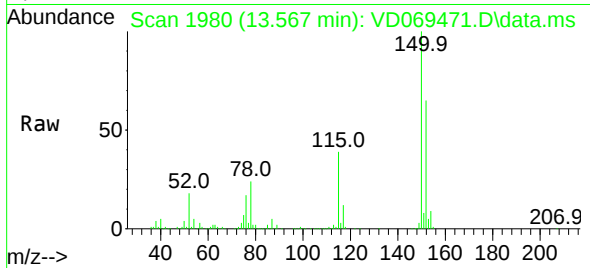




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069471.D
Acq: 17 Jun 2021 10:58

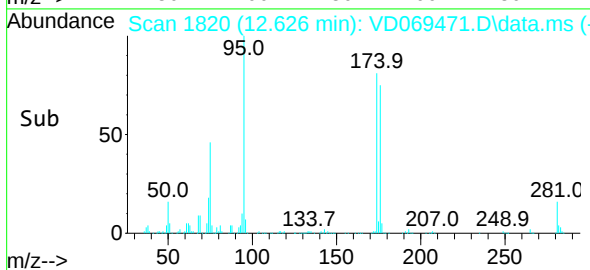
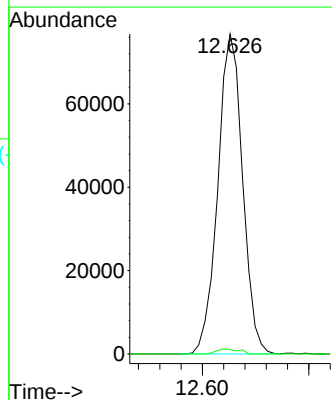
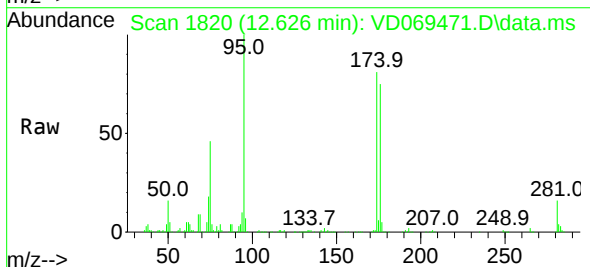
Instrument :
MSVOA_D
ClientSampleId :

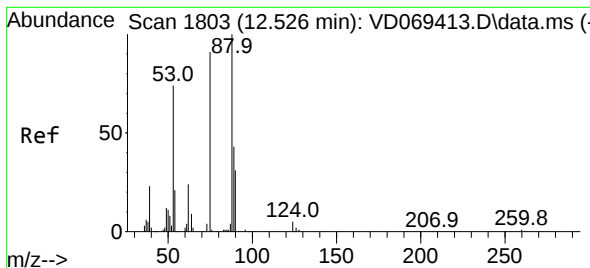
Tgt Ion:152 Resp: 281306
Ion Ratio Lower Upper
152 100
115 59.9 29.4 88.3
150 156.7 0.0 355.0



#76
1,2,3-Trichloropropane
Concen: 43.374 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069471.D
Acq: 17 Jun 2021 10:58

Tgt Ion: 75 Resp: 123702
Ion Ratio Lower Upper
75 100
77 1.4 183.8 551.2#

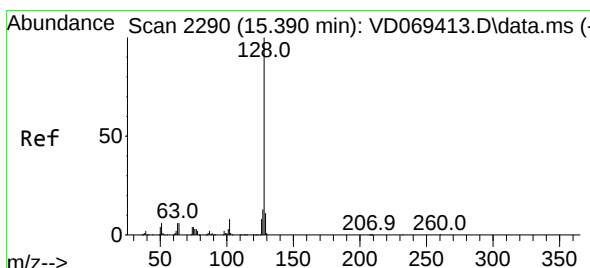
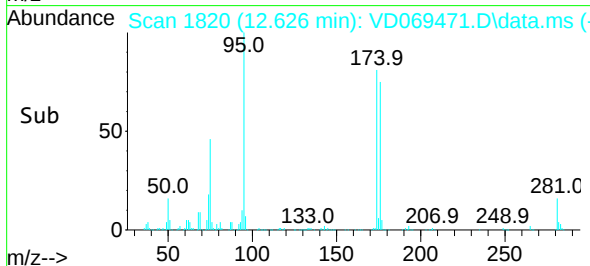
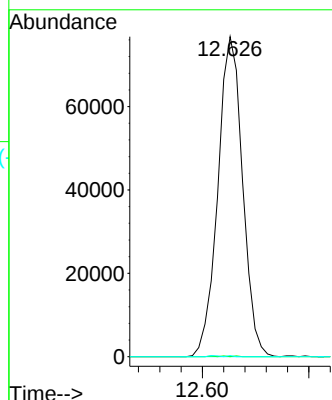
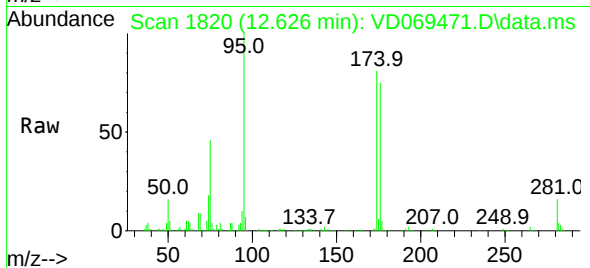




#81
trans-1,4-Dichloro-2-butene
Concen: 115.711 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069471.D
Acq: 17 Jun 2021 10:58

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 123702
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.0 35.6 53.4#



#95
Naphthalene
Concen: 4.014 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069471.D
Acq: 17 Jun 2021 10:58

Tgt Ion:128 Resp: 4653
Ion Ratio Lower Upper
128 100
127 14.4 10.4 15.6
129 3.3 8.8 13.2#

