

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061521\
 Data File : VD069446.D
 Acq On : 15 Jun 2021 18:08
 Operator : VA/SY
 Sample : M2709-09
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 16 02:01:44 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	246677	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	493276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	514473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	243038	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	165770	59.567	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.140%	
35) Dibromofluoromethane	7.909	113	118710	32.130	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 64.260%	
50) Toluene-d8	10.338	98	633384	46.872	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 93.740%	
62) 4-Bromofluorobenzene	12.626	95	211750	48.837	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.680%	

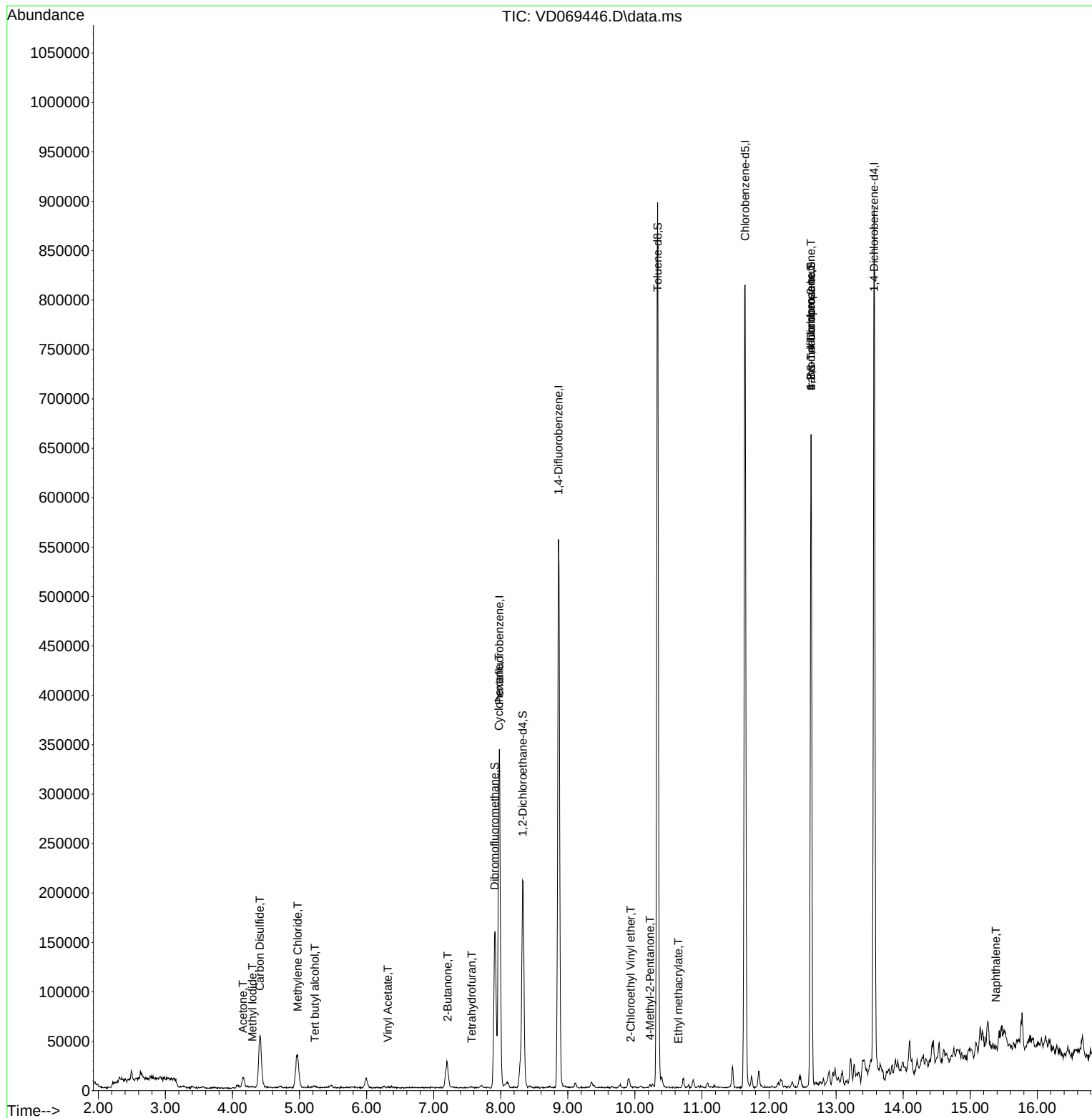
Target Compounds				Qvalue		
5) Bromomethane	2.779	94	2253	Below Cal	88	
10) Methyl Iodide	4.297	142	1035	3.659 ug/l #	78	
11) Tert butyl alcohol	5.226	59	2057	14.218 ug/l #	73	
16) Acetone	4.156	43	18342	39.819 ug/l	93	
17) Carbon Disulfide	4.409	76	115669	13.668 ug/l	95	
18) Methyl Acetate	4.709	43	55	Below Cal #	46	
20) Methylene Chloride	4.973	84	28902	2.053 ug/l	94	
23) Vinyl Acetate	6.314	43	533	17.703 ug/l #	67	
25) 2-Butanone	7.209	43	5024	8.747 ug/l	96	
29) Tetrahydrofuran	7.567	42	486	1.504 ug/l #	61	
31) Cyclohexane	7.973	56	7021	1.857 ug/l #	48	
51) 4-Methyl-2-Pentanone	10.226	43	1967	1.186 ug/l #	85	
56) Ethyl methacrylate	10.650	69	61	2.841 ug/l #	1	
58) 2-Chloroethyl Vinyl ether	9.938	63	600	12.284 ug/l #	44	
76) 1,2,3-Trichloropropane	12.626	75	102517	41.606 ug/l #	1	
81) trans-1,4-Dichloro-2-b...	12.626	75	102517	110.994 ug/l #	18	
95) Naphthalene	15.385	128	5055	4.128 ug/l #	91	

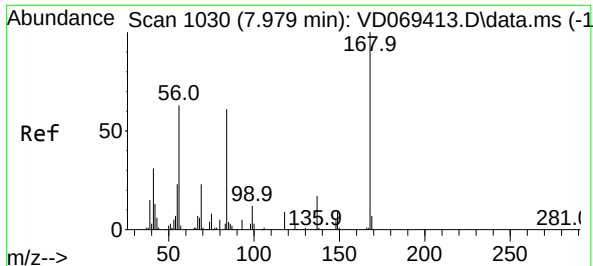
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 16 02:01:44 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
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QLast Update : Fri Jun 11 12:50:13 2021
Response via : Initial Calibration

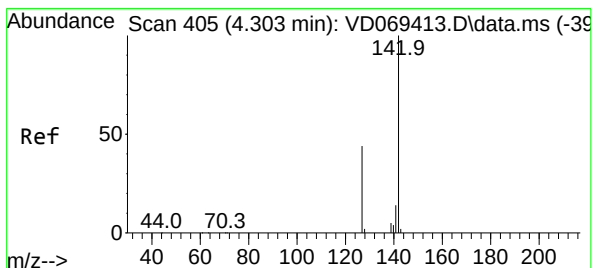
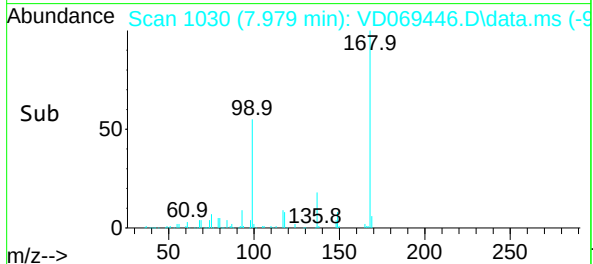
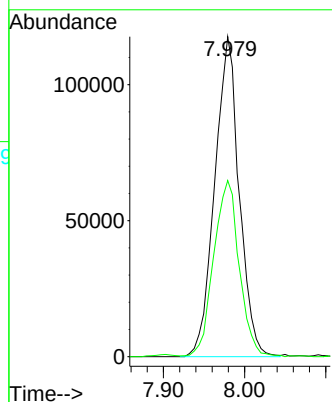
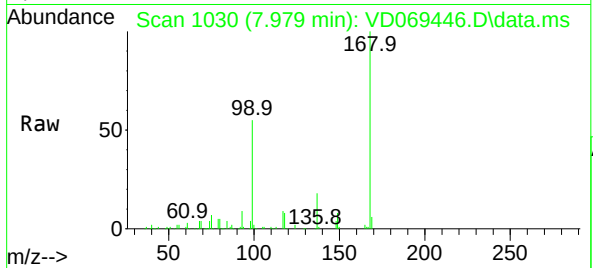




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069446.D
Acq: 15 Jun 2021 18:08

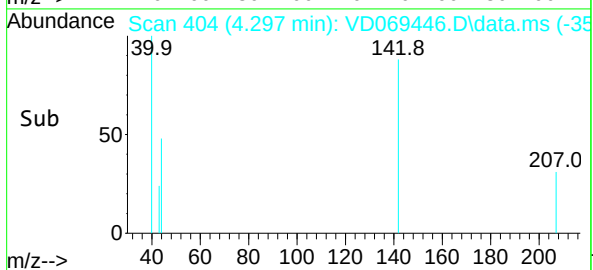
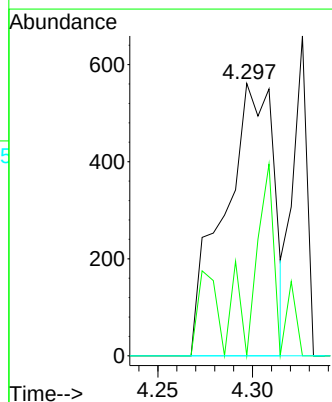
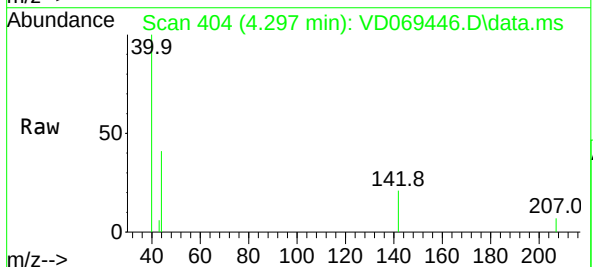
Instrument :
MSVOA_D
ClientSampled :

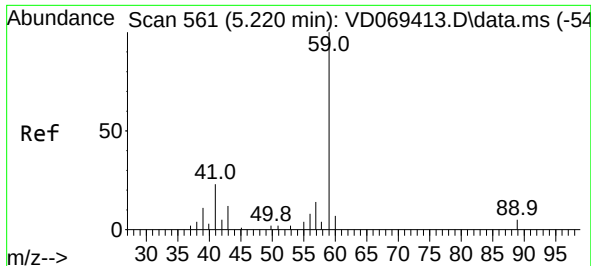
Tgt Ion:168 Resp: 246677
Ion Ratio Lower Upper
168 100
99 54.8 46.2 69.2



#10
Methyl Iodide
Concen: 3.659 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069446.D
Acq: 15 Jun 2021 18:08

Tgt Ion:142 Resp: 1035
Ion Ratio Lower Upper
142 100
127 33.5 36.2 54.2#
141 0.0 12.2 18.2#

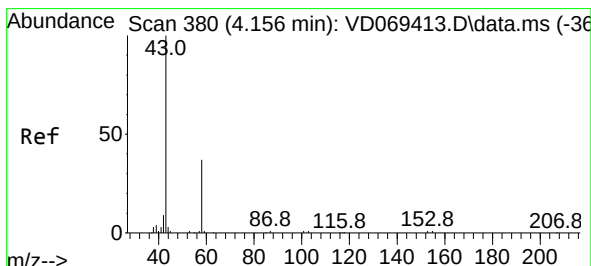
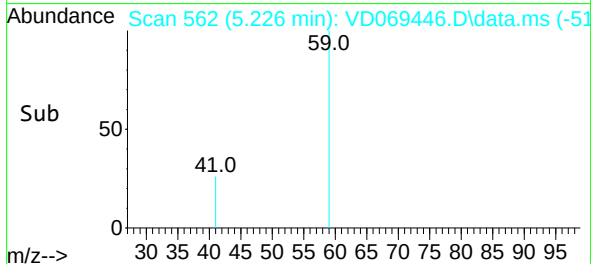
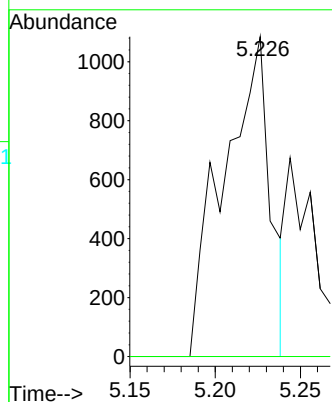
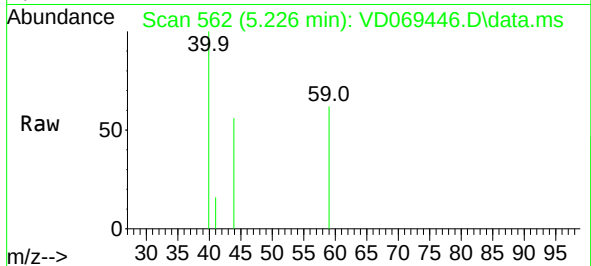




#11
Tert butyl alcohol
Concen: 14.218 ug/l
RT: 5.226 min Scan# 562
Delta R.T. 0.006 min
Lab File: VD069446.D
Acq: 15 Jun 2021 18:08

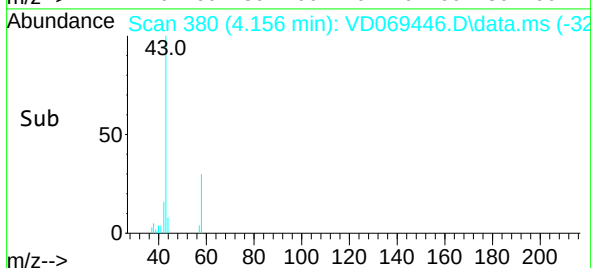
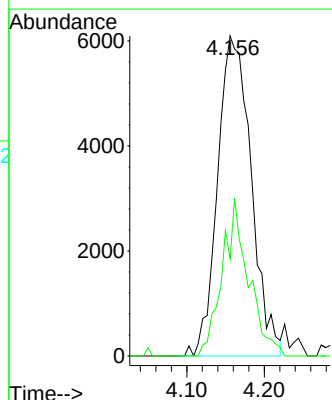
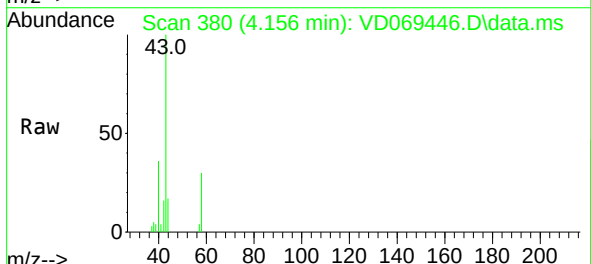
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MSVOA_D
ClientSampled :

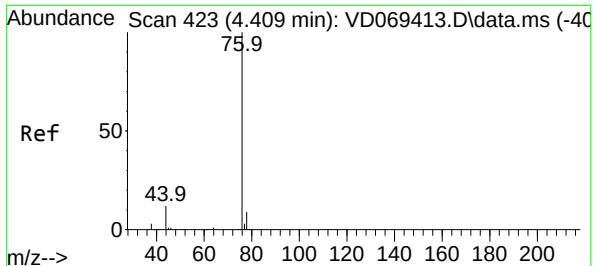
Tgt Ion: 59 Resp: 2057
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 39.819 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069446.D
Acq: 15 Jun 2021 18:08

Tgt Ion: 43 Resp: 18342
Ion Ratio Lower Upper
43 100
58 30.4 27.5 41.3

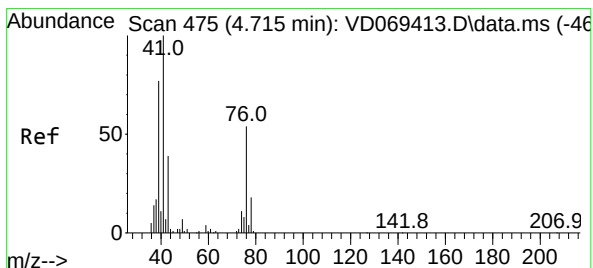
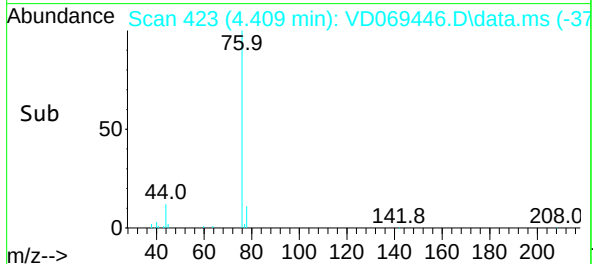
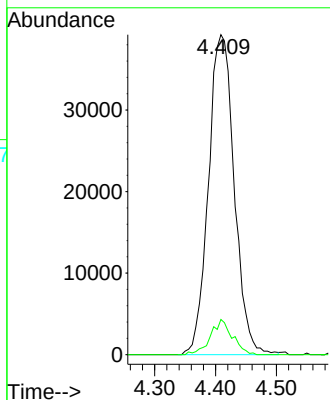
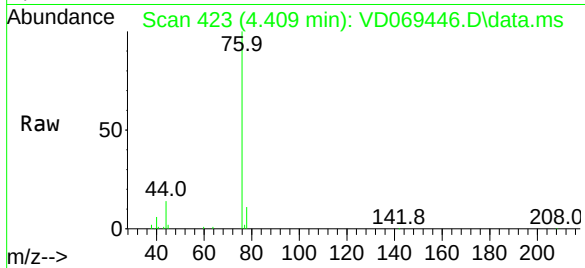




#17
Carbon Disulfide
Concen: 13.668 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069446.D
Acq: 15 Jun 2021 18:08

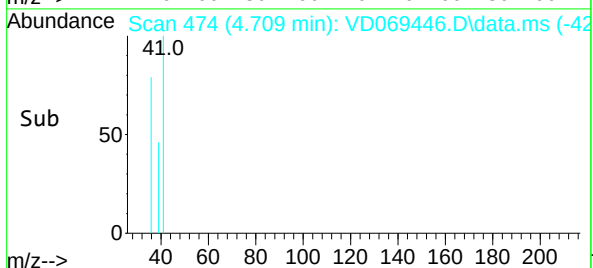
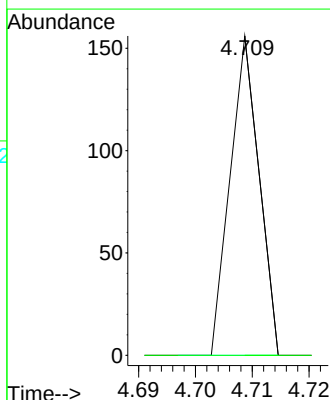
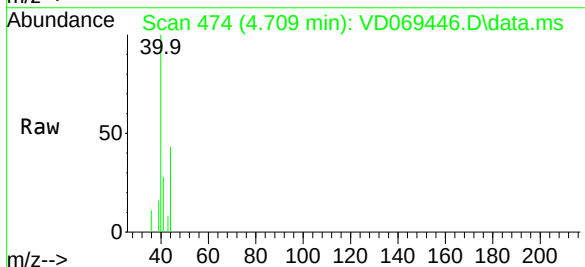
Instrument :
MSVOA_D
ClientSampleId :

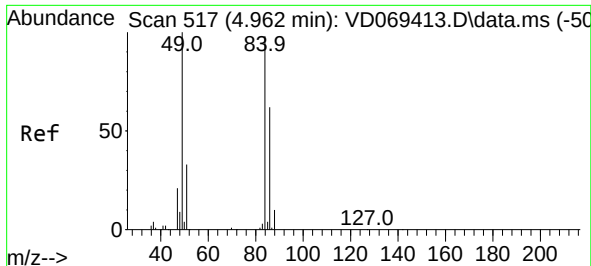
Tgt Ion: 76 Resp: 115669
Ion Ratio Lower Upper
76 100
78 11.0 7.4 11.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.709 min Scan# 474
Delta R.T. -0.006 min
Lab File: VD069446.D
Acq: 15 Jun 2021 18:08

Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#





#20

Methylene Chloride

Concen: 2.053 ug/l

RT: 4.973 min Scan# 519

Delta R.T. 0.011 min

Lab File: VD069446.D

Acq: 15 Jun 2021 18:08

Tgt Ion: 84 Resp: 28902

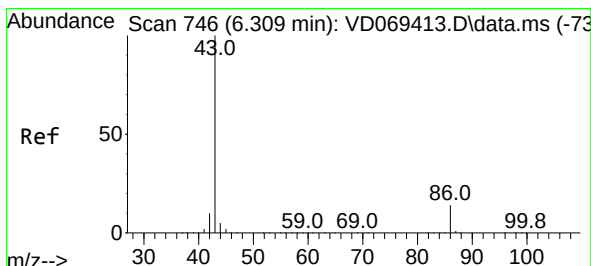
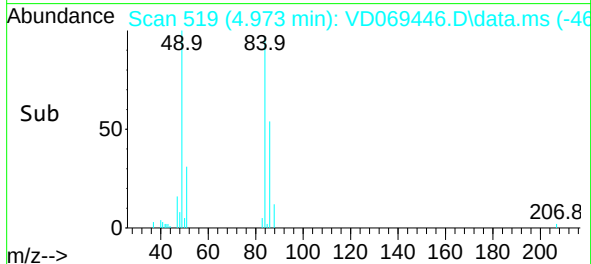
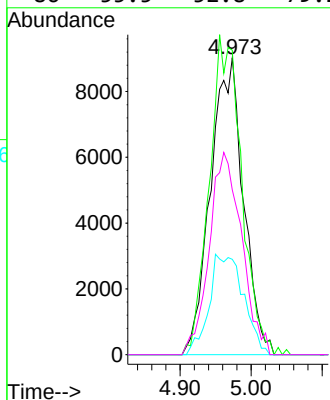
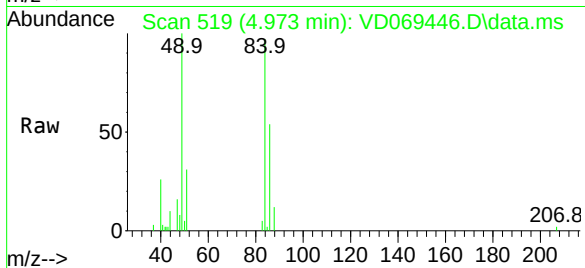
Ion Ratio Lower Upper

84 100

49 102.6 83.7 125.5

51 32.1 26.4 39.6

86 55.5 52.8 79.2



#23

Vinyl Acetate

Concen: 17.703 ug/l

RT: 6.314 min Scan# 747

Delta R.T. 0.005 min

Lab File: VD069446.D

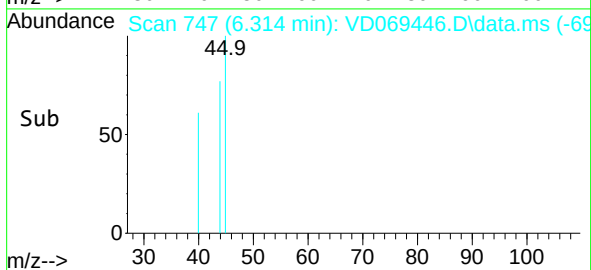
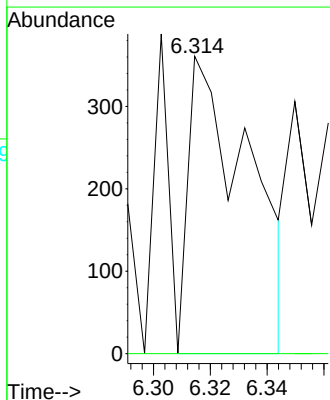
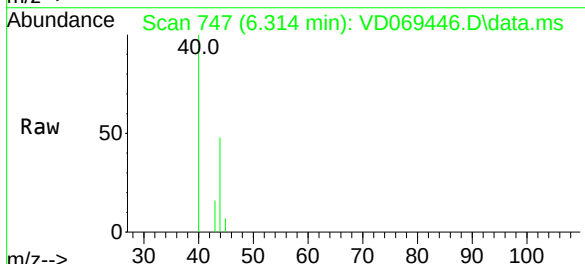
Acq: 15 Jun 2021 18:08

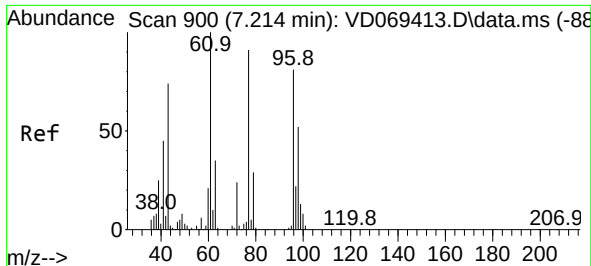
Tgt Ion: 43 Resp: 533

Ion Ratio Lower Upper

43 100

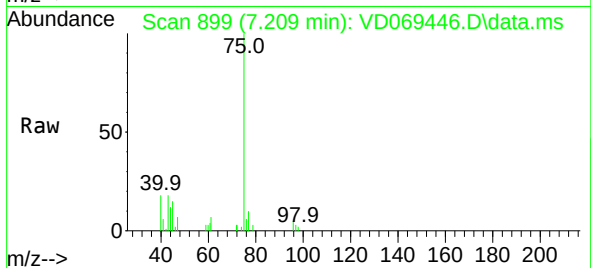
86 0.0 10.5 15.7#



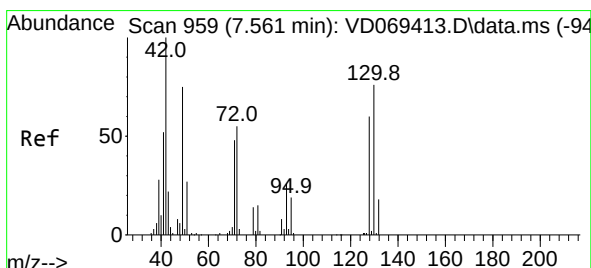
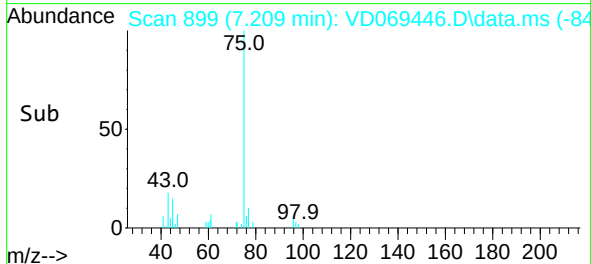
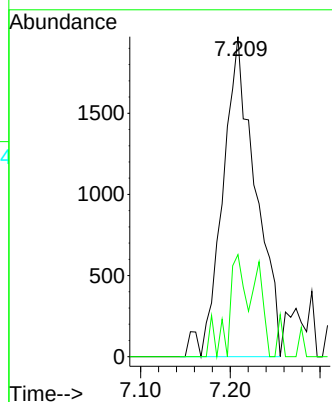


#25
2-Butanone
Concen: 8.747 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.005 min
Lab File: VD069446.D
Acq: 15 Jun 2021 18:08

Instrument :
MSVOA_D
ClientSampled :

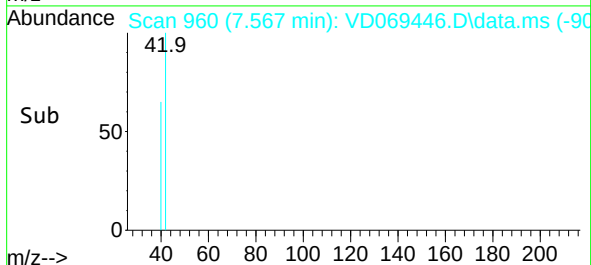
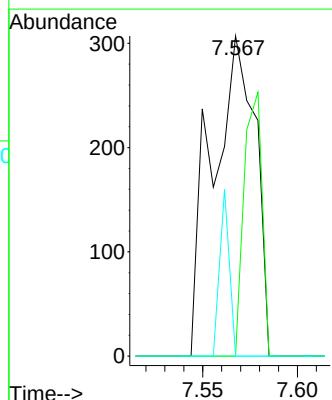
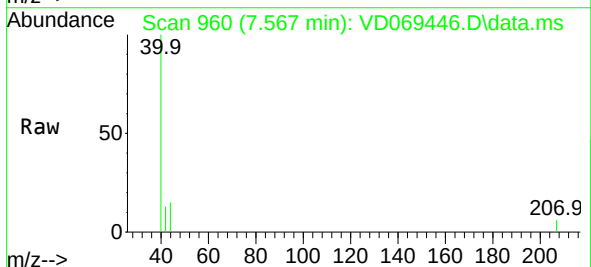


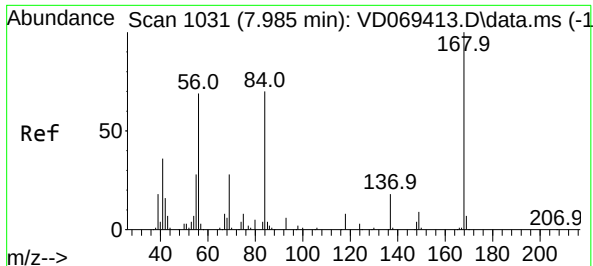
Tgt Ion: 43 Resp: 5024
Ion Ratio Lower Upper
43 100
72 31.9 23.9 35.9



#29
Tetrahydrofuran
Concen: 1.504 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.006 min
Lab File: VD069446.D
Acq: 15 Jun 2021 18:08

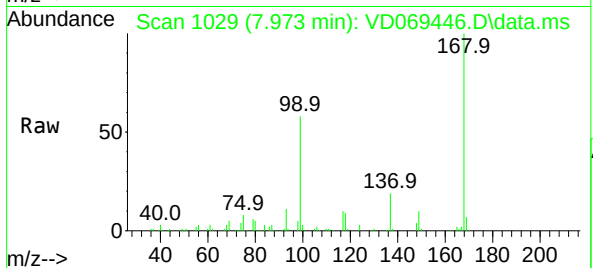
Tgt Ion: 42 Resp: 486
Ion Ratio Lower Upper
42 100
72 34.2 41.0 61.6#
71 11.5 38.9 58.3#



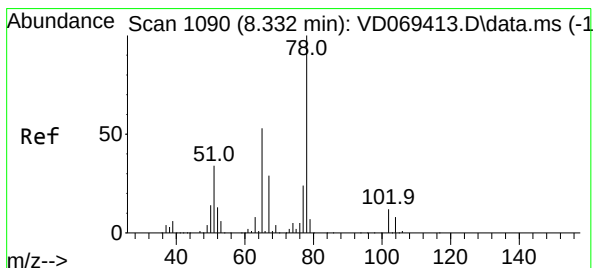
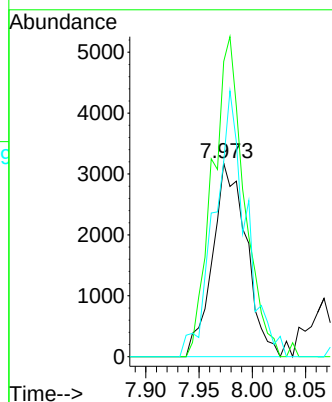
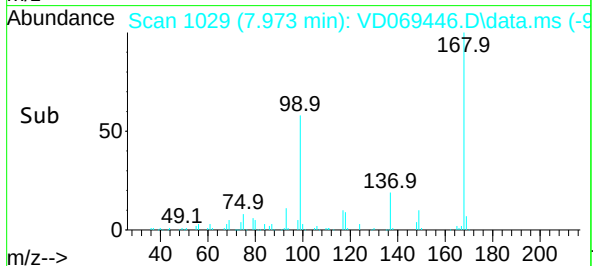


#31
Cyclohexane
Concen: 1.857 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069446.D
Acq: 15 Jun 2021 18:08

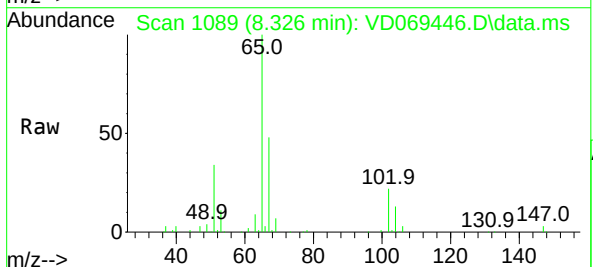
Instrument :
MSVOA_D
ClientSampled :



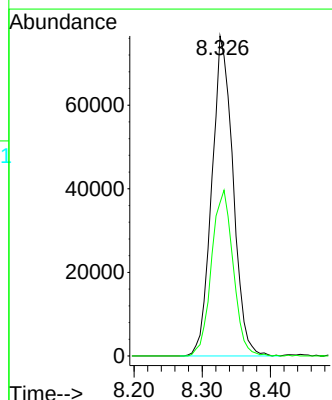
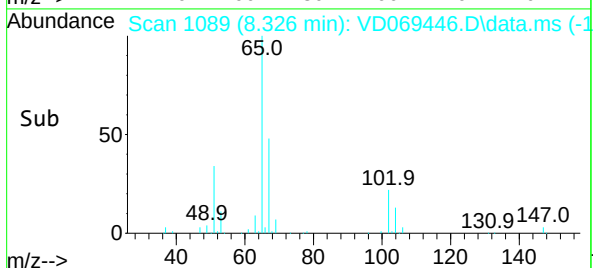
Tgt Ion: 56 Resp: 7021
Ion Ratio Lower Upper
56 100
69 152.5 29.0 43.4#
84 100.8 81.1 121.7

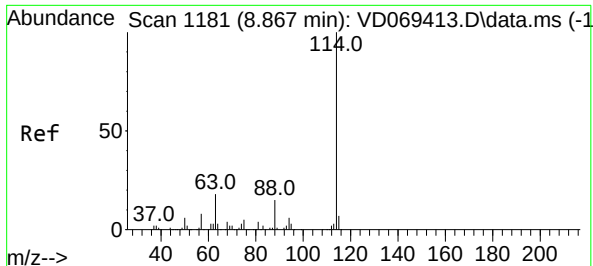


#33
1,2-Dichloroethane-d4
Concen: 59.567 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069446.D
Acq: 15 Jun 2021 18:08



Tgt Ion: 65 Resp: 165770
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.8



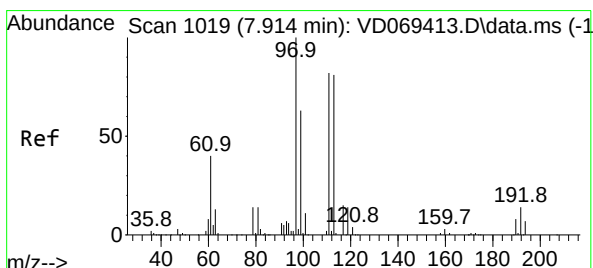
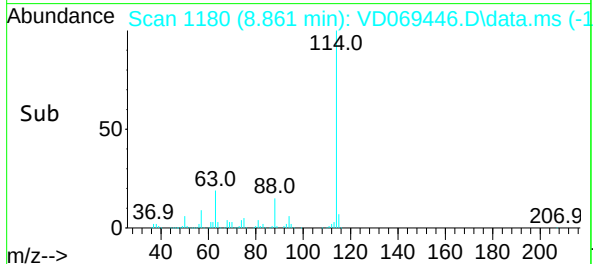
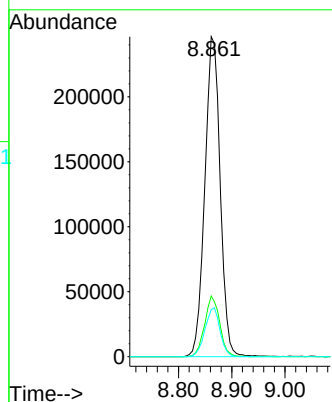
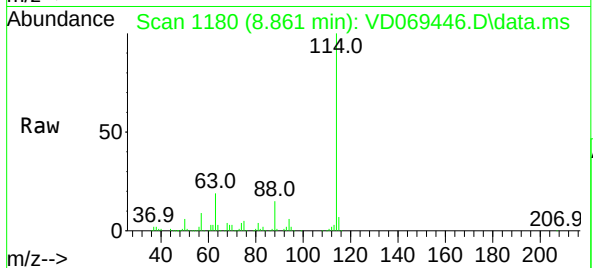


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069446.D
Acq: 15 Jun 2021 18:08

Instrument :
MSVOA_D
ClientSampleId :

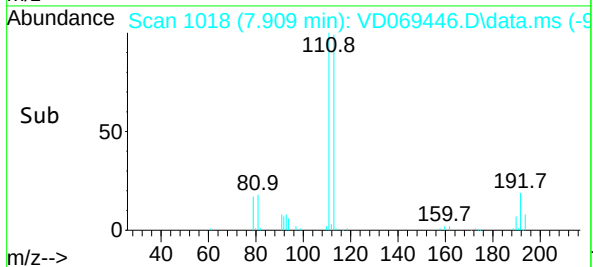
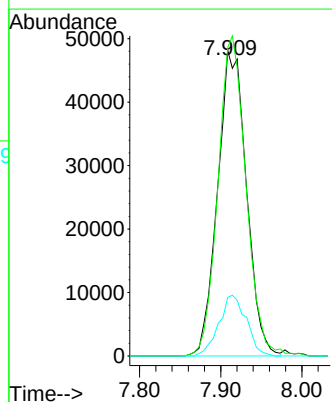
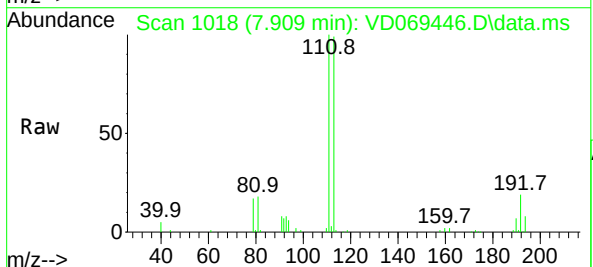
Tgt Ion:114 Resp: 493276
Ion Ratio Lower Upper
114 100
63 18.9 0.0 35.6
88 14.7 0.0 31.2

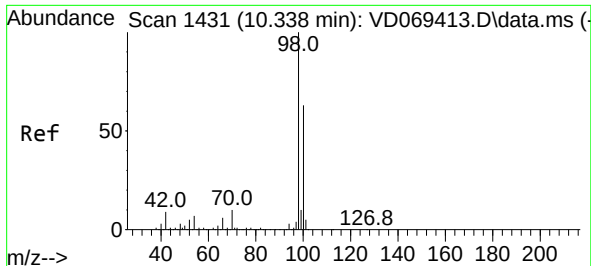


#35

Dibromofluoromethane
Concen: 32.130 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.005 min
Lab File: VD069446.D
Acq: 15 Jun 2021 18:08

Tgt Ion:113 Resp: 118710
Ion Ratio Lower Upper
113 100
111 101.7 83.0 124.6
192 18.9 15.1 22.7

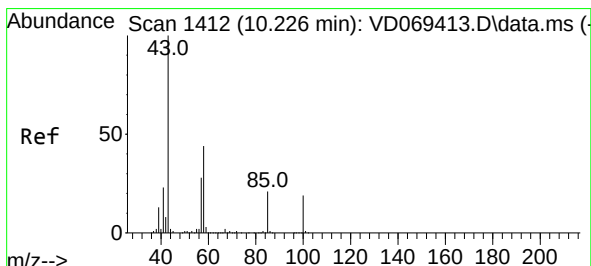
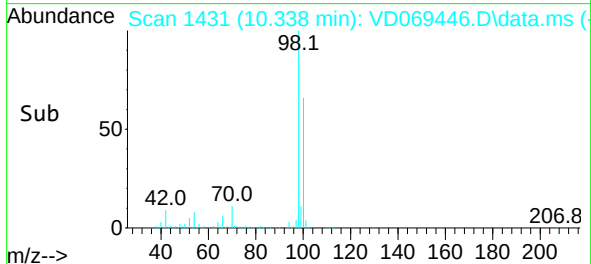
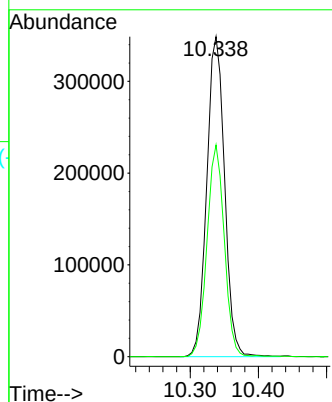
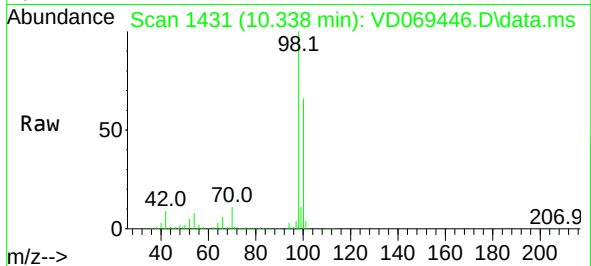




#50
Toluene-d8
Concen: 46.872 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069446.D
Acq: 15 Jun 2021 18:08

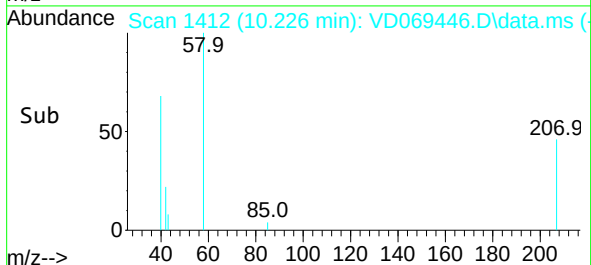
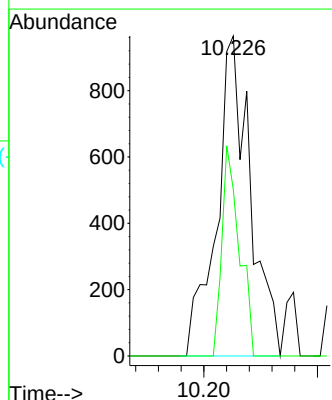
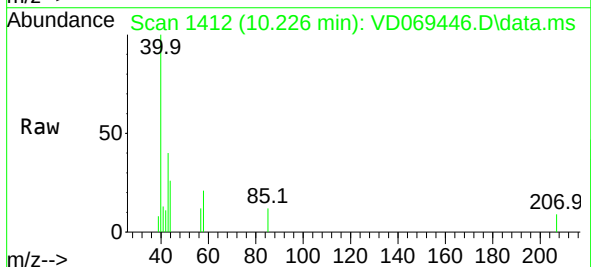
Instrument :
MSVOA_D
ClientSampleId :

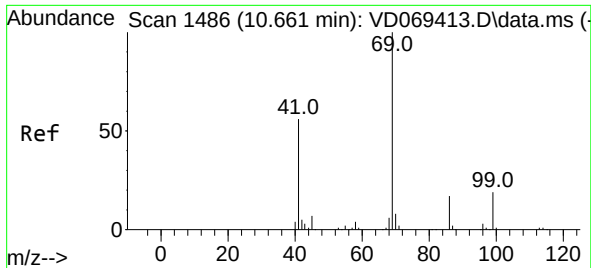
Tgt Ion: 98 Resp: 633384
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.186 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD069446.D
Acq: 15 Jun 2021 18:08

Tgt Ion: 43 Resp: 1967
Ion Ratio Lower Upper
43 100
58 34.4 35.1 52.7#

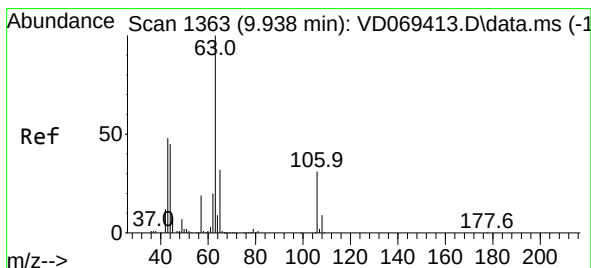
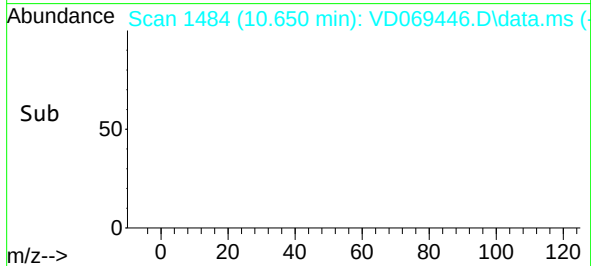
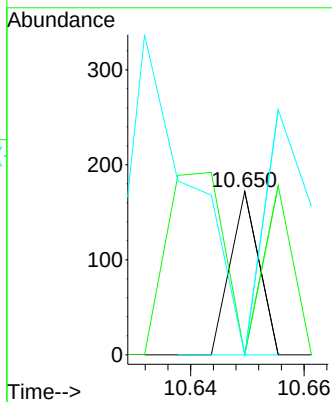
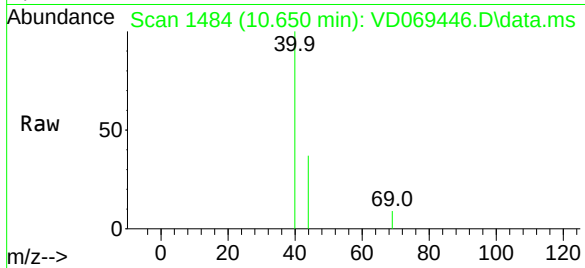




#56
Ethyl methacrylate
Concen: 2.841 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.011 min
Lab File: VD069446.D
Acq: 15 Jun 2021 18:08

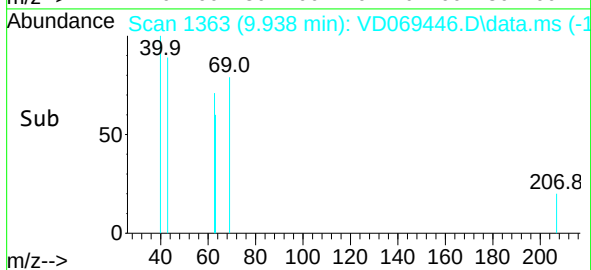
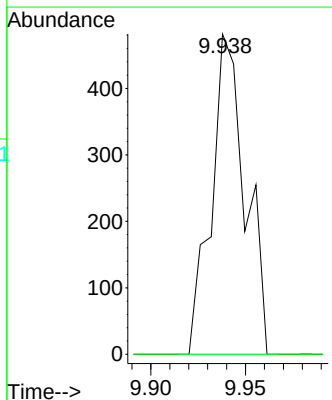
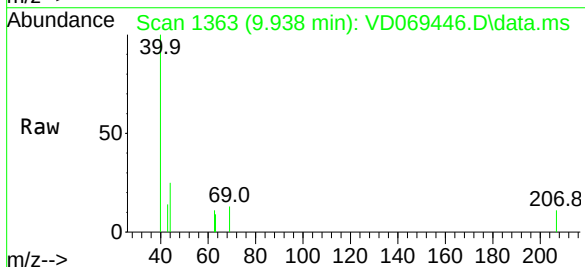
Instrument :
MSVOA_D
ClientSampled :

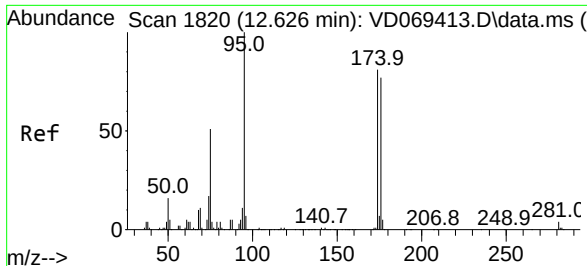
Tgt Ion: 69 Resp: 61
Ion Ratio Lower Upper
69 100
41 323.0 45.4 68.2#
39 398.4 21.7 32.5#



#58
2-Chloroethyl Vinyl ether
Concen: 12.284 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069446.D
Acq: 15 Jun 2021 18:08

Tgt Ion: 63 Resp: 600
Ion Ratio Lower Upper
63 100
106 0.0 24.8 37.2#

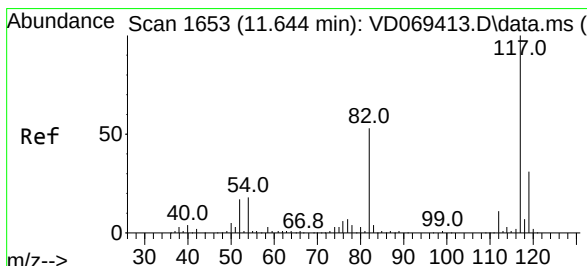
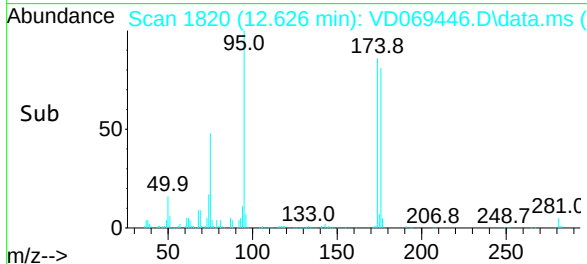
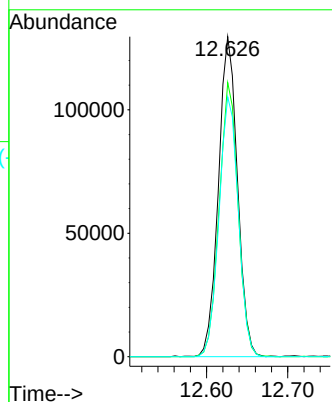
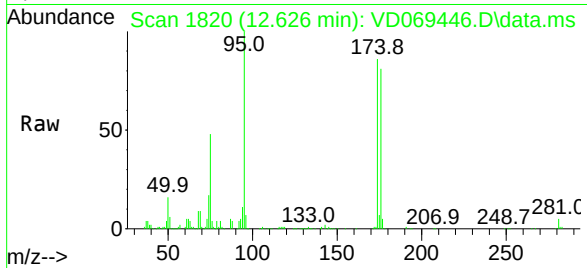




#62
4-Bromofluorobenzene
Concen: 48.837 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069446.D
Acq: 15 Jun 2021 18:08

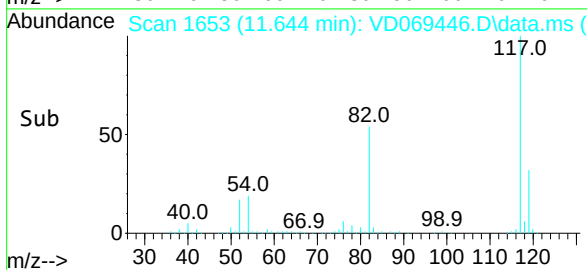
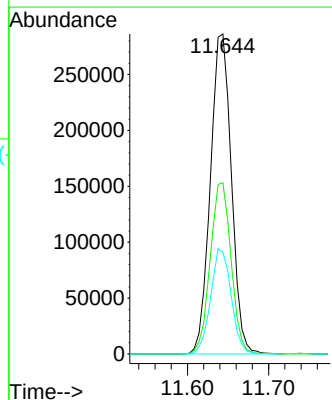
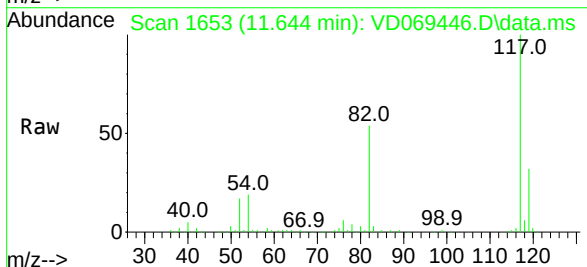
Instrument :
MSVOA_D
ClientSampleId :

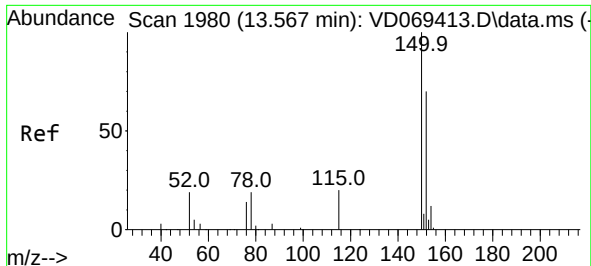
Tgt Ion: 95 Resp: 211750
Ion Ratio Lower Upper
95 100
174 84.6 0.0 162.8
176 82.0 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069446.D
Acq: 15 Jun 2021 18:08

Tgt Ion: 117 Resp: 514473
Ion Ratio Lower Upper
117 100
82 53.5 43.3 64.9
119 31.7 25.3 37.9

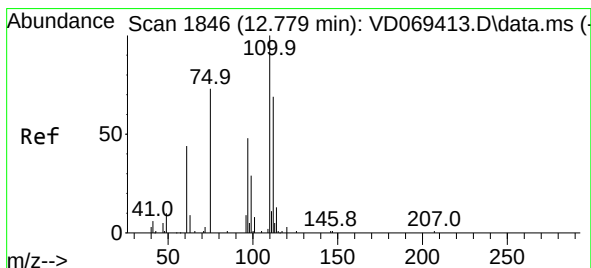
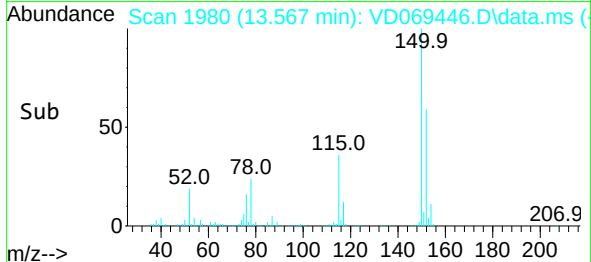
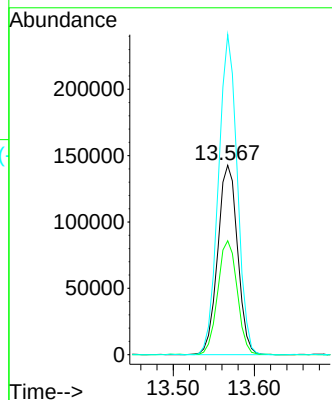
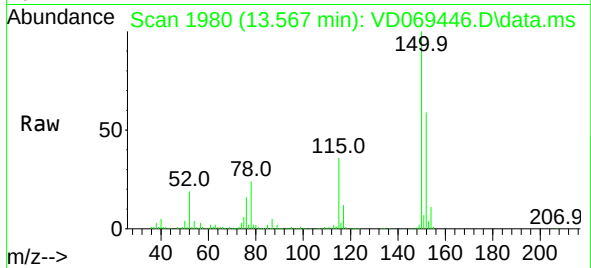




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: VD069446.D
 Acq: 15 Jun 2021 18:08

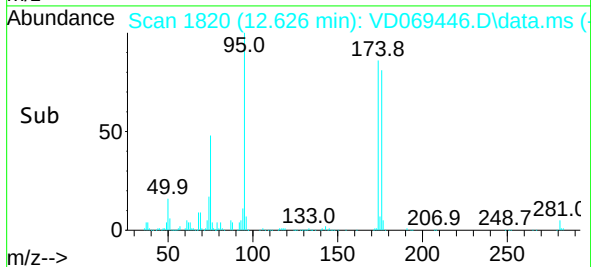
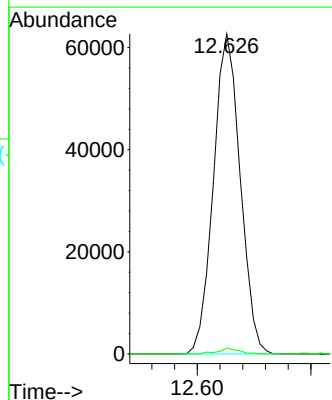
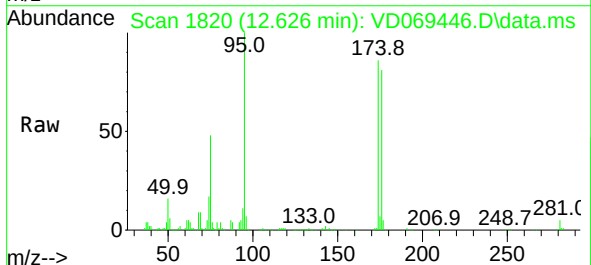
Instrument :
 MSVOA_D
 ClientSampled :

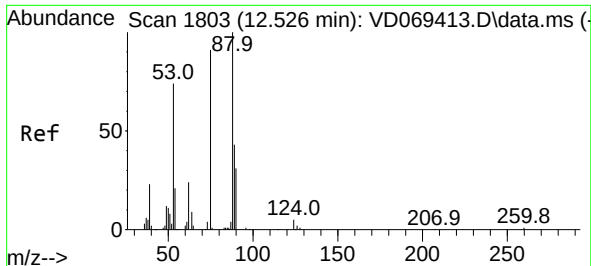
Tgt Ion:152 Resp: 243038
 Ion Ratio Lower Upper
 152 100
 115 59.0 29.4 88.3
 150 160.2 0.0 355.0



#76
 1,2,3-Trichloropropane
 Concen: 41.606 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.153 min
 Lab File: VD069446.D
 Acq: 15 Jun 2021 18:08

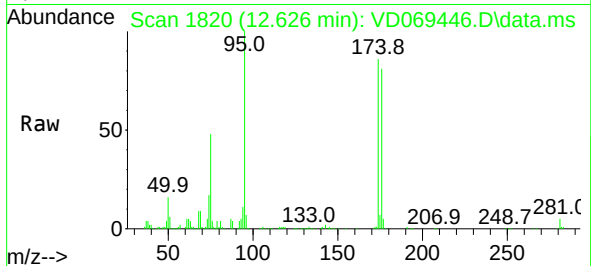
Tgt Ion: 75 Resp: 102517
 Ion Ratio Lower Upper
 75 100
 77 1.4 183.8 551.2#



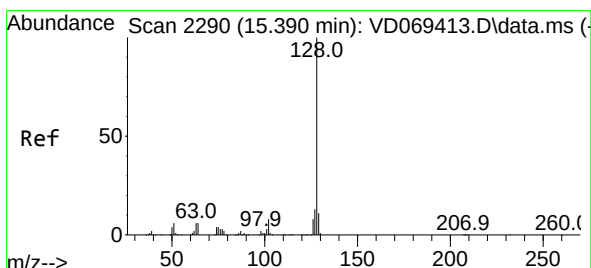
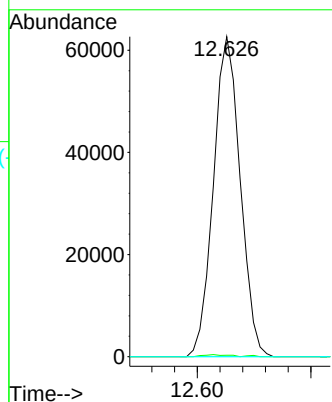
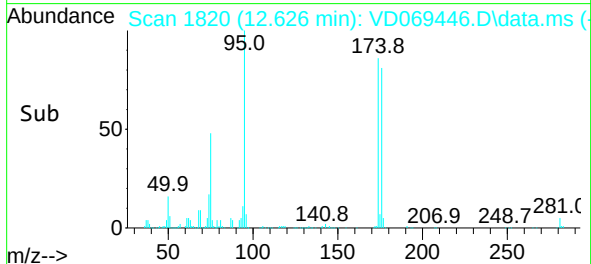


#81
trans-1,4-Dichloro-2-butene
Concen: 110.994 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069446.D
Acq: 15 Jun 2021 18:08

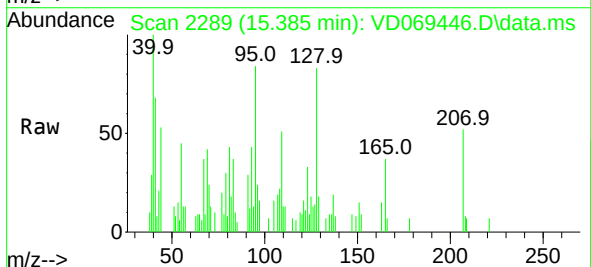
Instrument :
MSVOA_D
ClientSampled :



Tgt Ion: 75 Resp: 102517
Ion Ratio Lower Upper
75 100
53 0.6 62.6 94.0#
89 0.0 35.6 53.4#



#95
Naphthalene
Concen: 4.128 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069446.D
Acq: 15 Jun 2021 18:08



Tgt Ion: 128 Resp: 5055
Ion Ratio Lower Upper
128 100
127 8.2 10.4 15.6#
129 13.3 8.8 13.2#

