

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071421\
 Data File : VD069691.D
 Acq On : 14 Jul 2021 16:42
 Operator : VA/SY
 Sample : M3012-01
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 15 03:31:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	568495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1163033	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1296407	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	589169	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	346010	48.745	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.480%
35) Dibromofluoromethane	7.914	113	371060	47.556	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.120%
50) Toluene-d8	10.338	98	1543124	50.906	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.820%
62) 4-Bromofluorobenzene	12.626	95	609463	60.285	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	120.580%

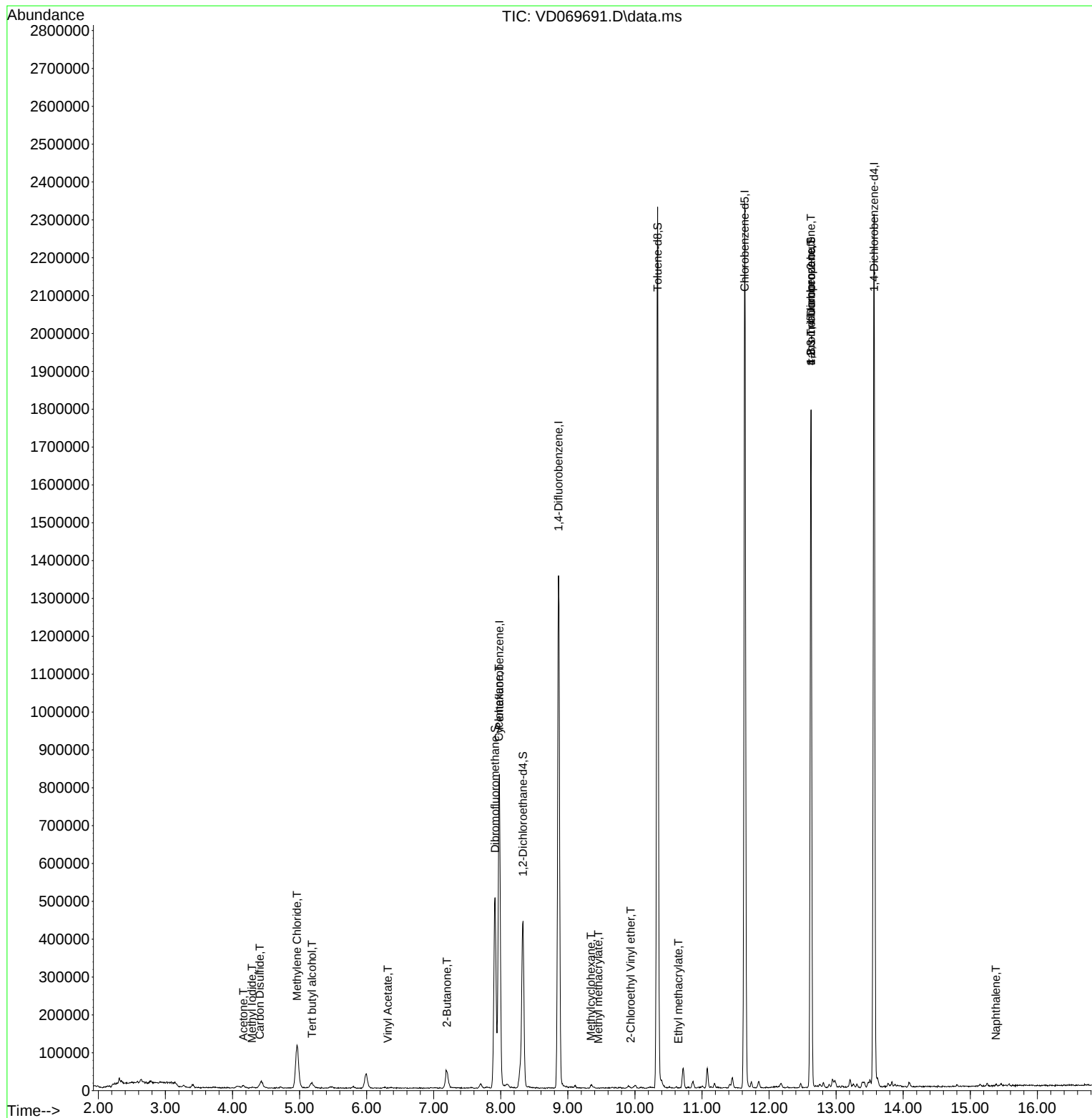
Target Compounds				Qvalue		
5) Bromomethane	2.773	94	4048	Below Cal		99
10) Methyl Iodide	4.291	142	3158	2.893 ug/l #		41
11) Tert butyl alcohol	5.185	59	13484	14.218 ug/l #		81
16) Acetone	4.162	43	10507	19.482 ug/l		94
17) Carbon Disulfide	4.409	76	14152	1.077 ug/l		96
18) Methyl Acetate	4.709	43	300	Below Cal #		49
20) Methylene Chloride	4.962	84	90269	4.537 ug/l		94
23) Vinyl Acetate	6.314	43	918	15.502 ug/l #		72
25) 2-Butanone	7.197	43	3362	2.004 ug/l #		78
31) Cyclohexane	7.973	56	15986	1.717 ug/l #		1
39) Methylcyclohexane	9.344	83	1925	2.087 ug/l #		87
48) Methyl methacrylate	9.455	41	244	1.158 ug/l #		25
56) Ethyl methacrylate	10.649	69	203	1.689 ug/l #		30
58) 2-Chloroethyl Vinyl ether	9.938	63	547	9.509 ug/l #		49
76) 1,2,3-Trichloropropane	12.626	75	303059	52.949 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.626	75	303059	142.298 ug/l #		14
95) Naphthalene	15.385	128	3695	2.395 ug/l #		82

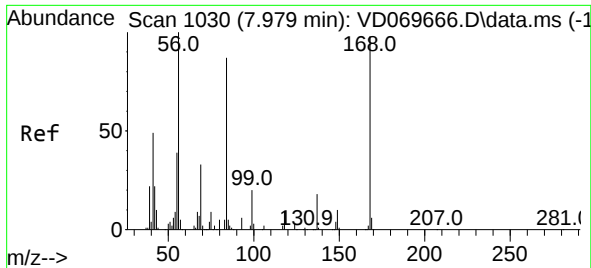
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD069691.D
Acq On : 14 Jul 2021 16:42
Operator : VA/SY
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Misc : 5.03G/5.00ml/MSVOA_D/SOIL
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ClientSampleId :

Quant Time: Jul 15 03:31:06 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 14 06:00:31 2021
Response via : Initial Calibration

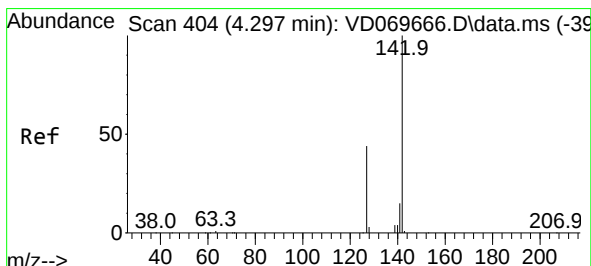
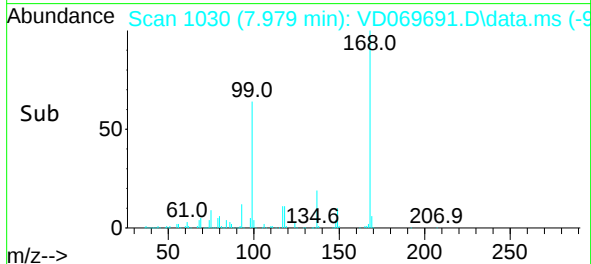
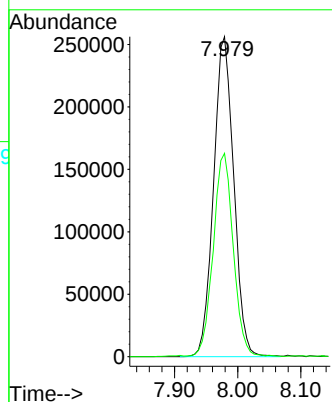
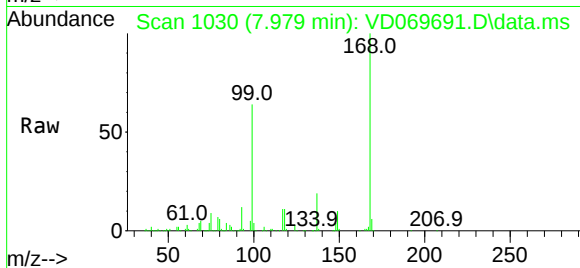




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069691.D
Acq: 14 Jul 2021 16:42

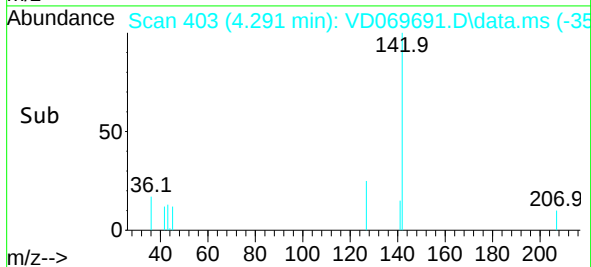
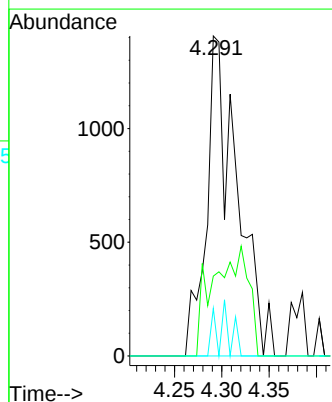
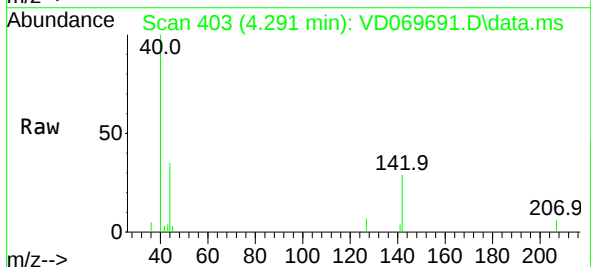
Instrument :
MSVOA_D
ClientSampled :

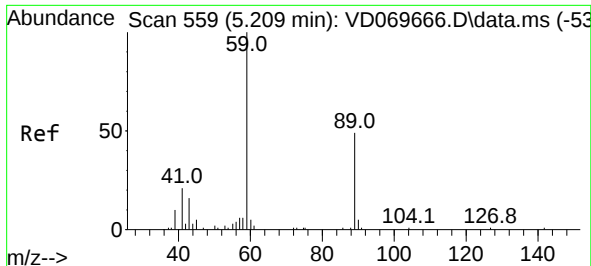
Tgt Ion:168 Resp: 568495
Ion Ratio Lower Upper
168 100
99 63.4 51.8 77.6



#10
Methyl Iodide
Concen: 2.893 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD069691.D
Acq: 14 Jul 2021 16:42

Tgt Ion:142 Resp: 3158
Ion Ratio Lower Upper
142 100
127 0.0 36.1 54.1#
141 2.3 11.6 17.4#

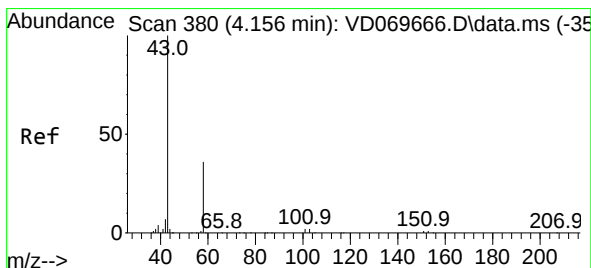
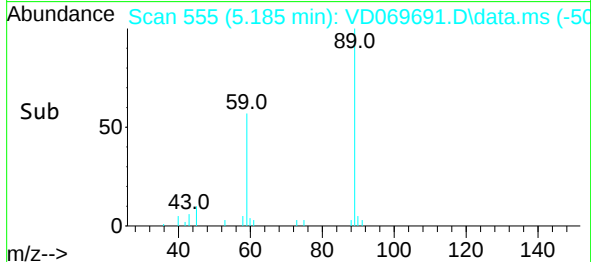
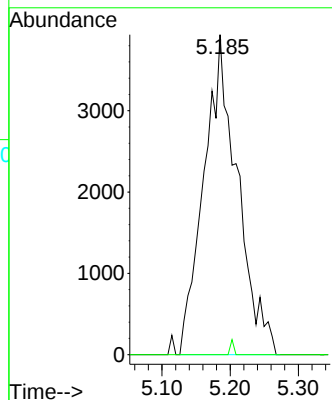
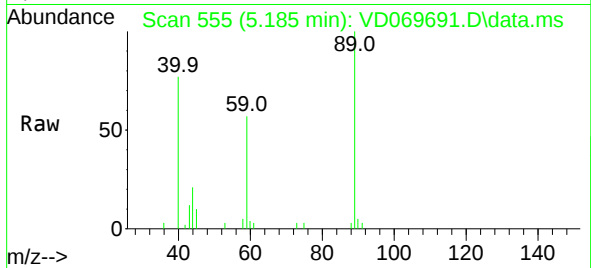




#11
Tert butyl alcohol
Concen: 14.218 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.024 min
Lab File: VD069691.D
Acq: 14 Jul 2021 16:42

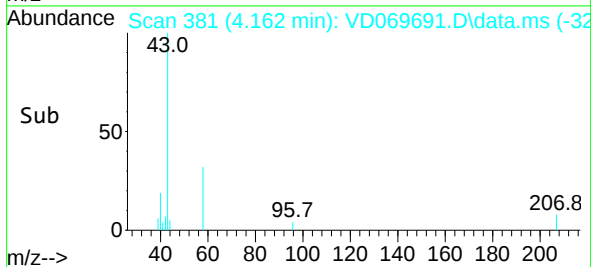
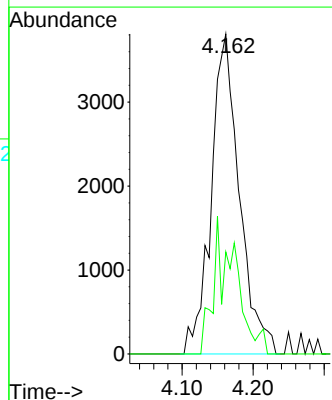
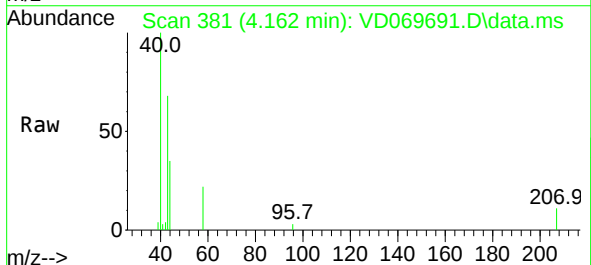
Instrument :
MSVOA_D
ClientSampled :

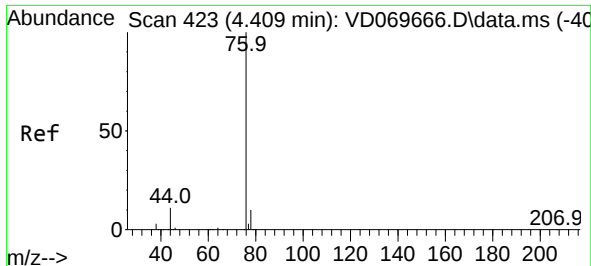
Tgt Ion: 59 Resp: 13484
Ion Ratio Lower Upper
59 100
57 0.5 5.7 8.5#



#16
Acetone
Concen: 19.482 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069691.D
Acq: 14 Jul 2021 16:42

Tgt Ion: 43 Resp: 10507
Ion Ratio Lower Upper
43 100
58 31.9 28.6 42.8

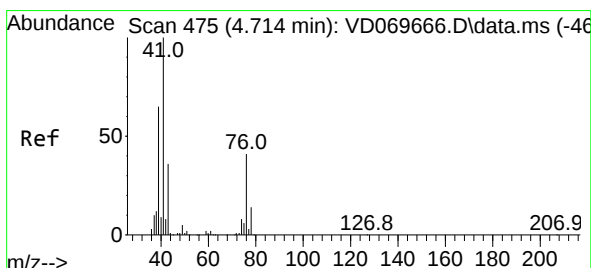
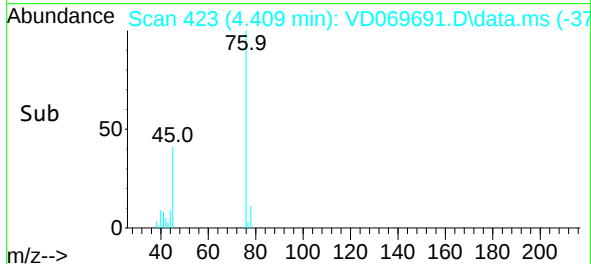
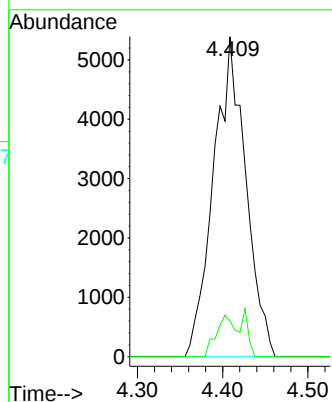
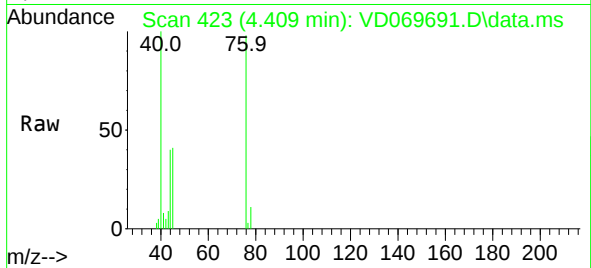




#17
Carbon Disulfide
Concen: 1.077 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069691.D
Acq: 14 Jul 2021 16:42

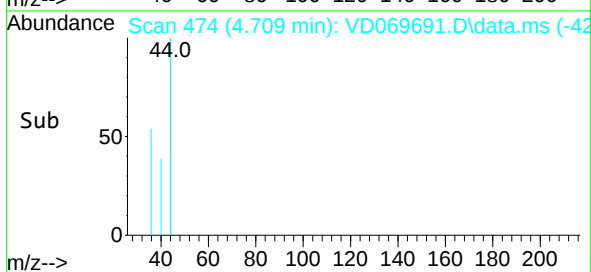
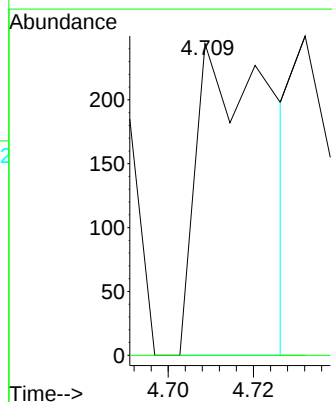
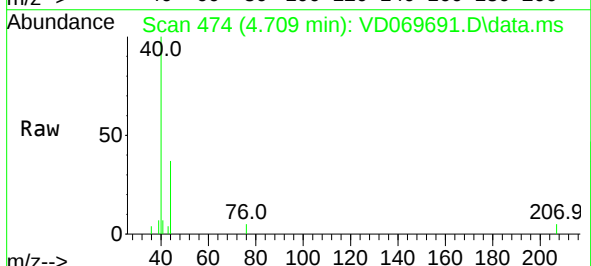
Instrument :
MSVOA_D
ClientSampled :

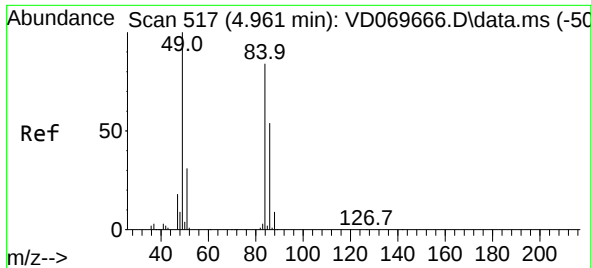
Tgt Ion: 76 Resp: 14152
Ion Ratio Lower Upper
76 100
78 11.1 7.6 11.4



#18
Methyl Acetate
Concen: Below Cal
RT: 4.709 min Scan# 474
Delta R.T. -0.005 min
Lab File: VD069691.D
Acq: 14 Jul 2021 16:42

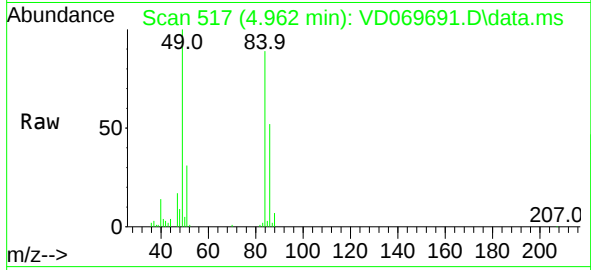
Tgt Ion: 43 Resp: 300
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



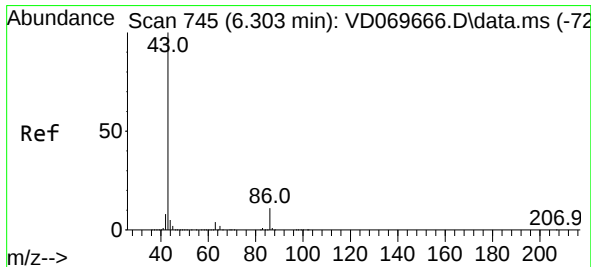
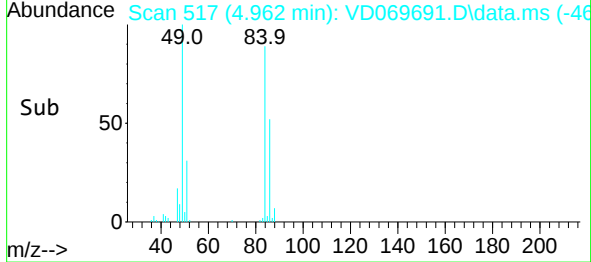
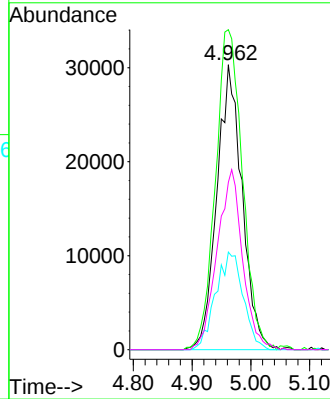


#20
Methylene Chloride
Concen: 4.537 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.001 min
Lab File: VD069691.D
Acq: 14 Jul 2021 16:42

Instrument :
MSVOA_D
ClientSampleId :

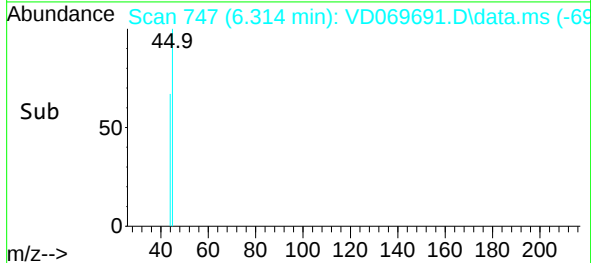
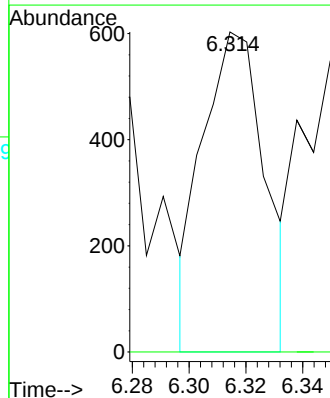
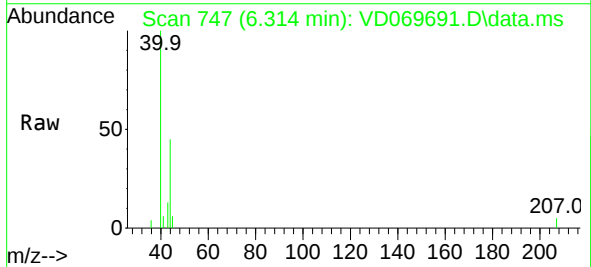


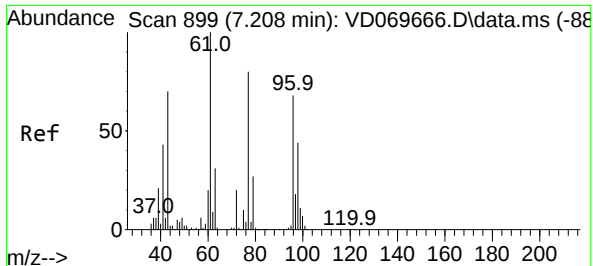
Tgt Ion:	84	Resp:	90269
Ion	Ratio	Lower	Upper
84	100		
49	112.3	95.5	143.3
51	34.3	29.7	44.5
86	58.7	51.6	77.4



#23
Vinyl Acetate
Concen: 15.502 ug/l
RT: 6.314 min Scan# 747
Delta R.T. 0.011 min
Lab File: VD069691.D
Acq: 14 Jul 2021 16:42

Tgt Ion:	43	Resp:	918
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	12.8#

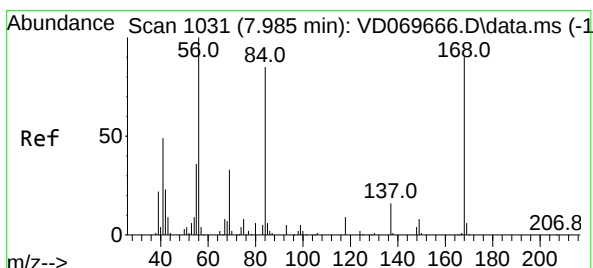
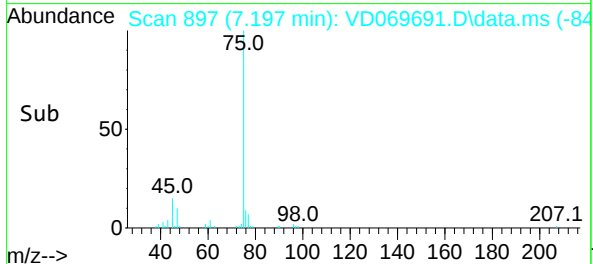
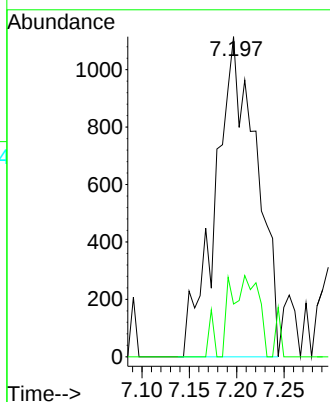
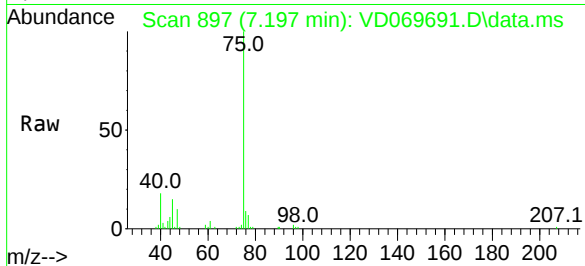




#25
2-Butanone
Concen: 2.004 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.011 min
Lab File: VD069691.D
Acq: 14 Jul 2021 16:42

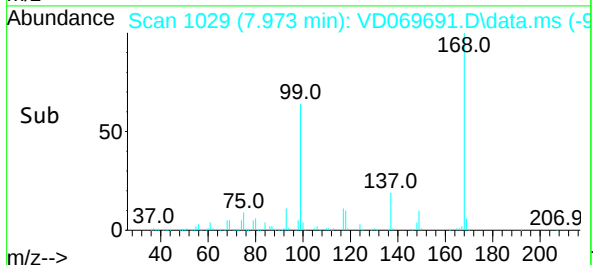
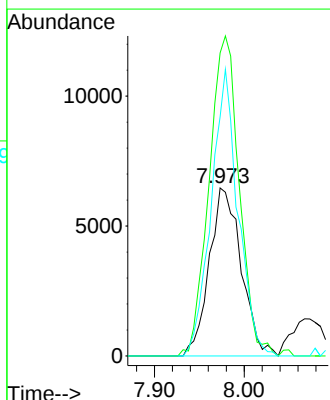
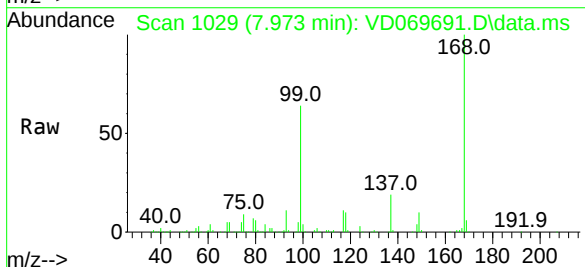
Instrument :
MSVOA_D
ClientSampled :

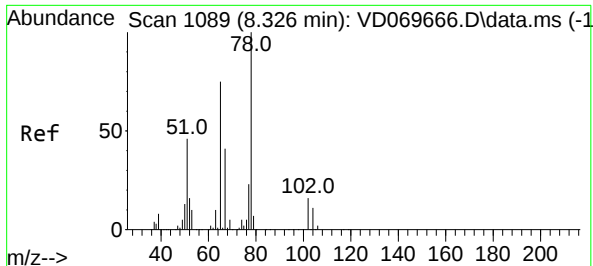
Tgt Ion: 43 Resp: 3362
Ion Ratio Lower Upper
43 100
72 16.5 22.6 33.8#



#31
Cyclohexane
Concen: 1.717 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069691.D
Acq: 14 Jul 2021 16:42

Tgt Ion: 56 Resp: 15986
Ion Ratio Lower Upper
56 100
69 180.4 26.6 39.8#
84 142.4 68.2 102.2#



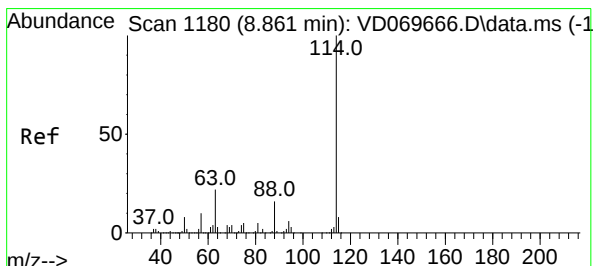
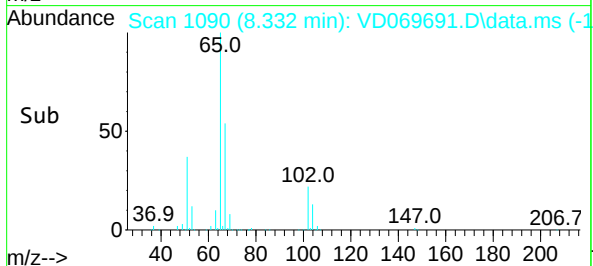
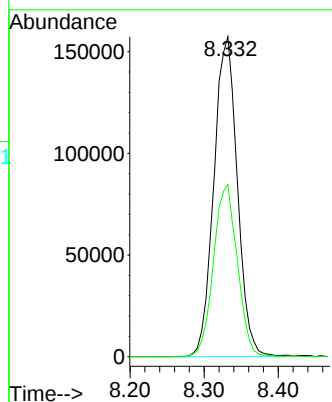
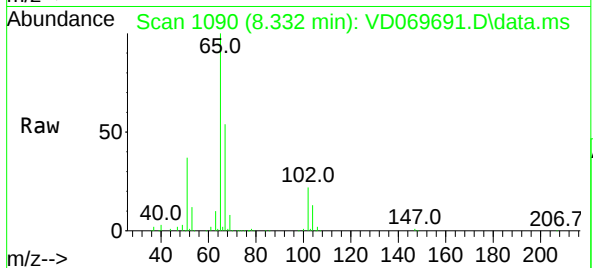


#33

1,2-Dichloroethane-d4
Concen: 48.745 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069691.D
Acq: 14 Jul 2021 16:42

Instrument :
MSVOA_D
ClientSampleId :

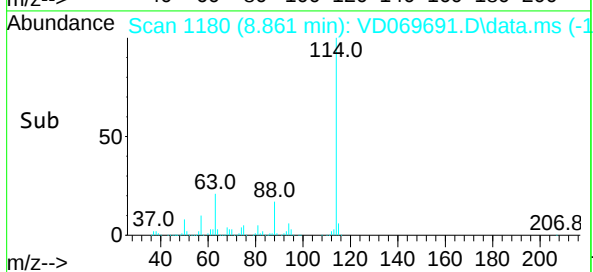
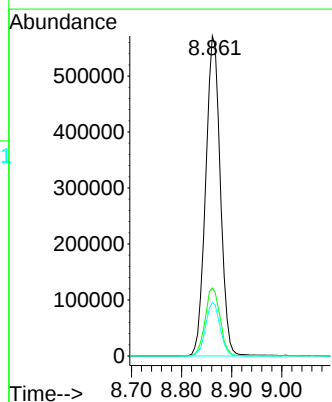
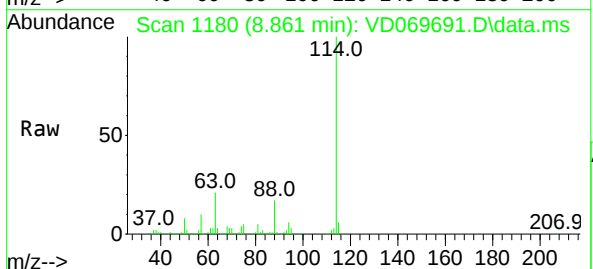
Tgt Ion: 65 Resp: 346010
Ion Ratio Lower Upper
65 100
67 54.7 0.0 107.2

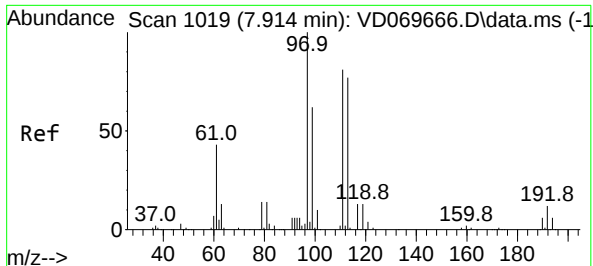


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069691.D
Acq: 14 Jul 2021 16:42

Tgt Ion: 114 Resp: 1163033
Ion Ratio Lower Upper
114 100
63 21.3 0.0 43.4
88 16.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 47.556 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069691.D

Acq: 14 Jul 2021 16:42

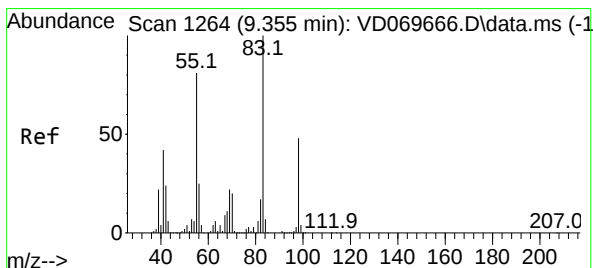
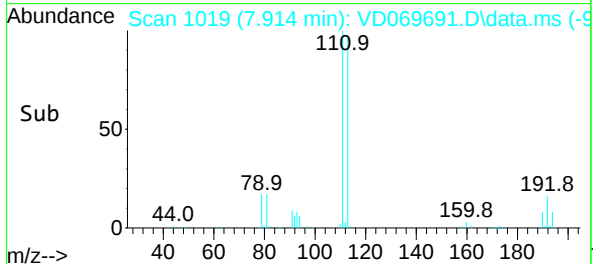
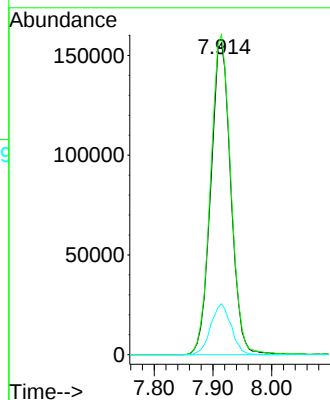
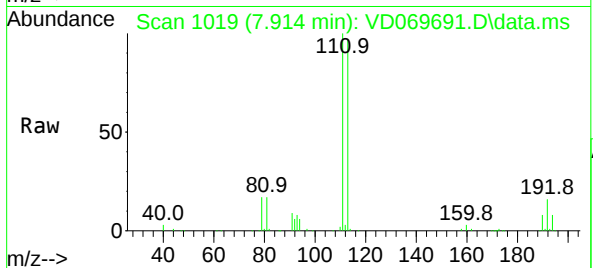
Tgt Ion:113 Resp: 371060

Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 16.6 12.7 19.1



#39

Methylcyclohexane

Concen: 2.087 ug/l

RT: 9.344 min Scan# 1262

Delta R.T. -0.011 min

Lab File: VD069691.D

Acq: 14 Jul 2021 16:42

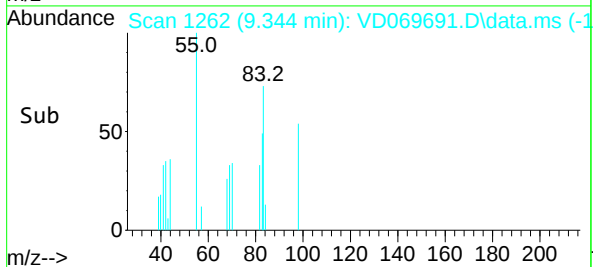
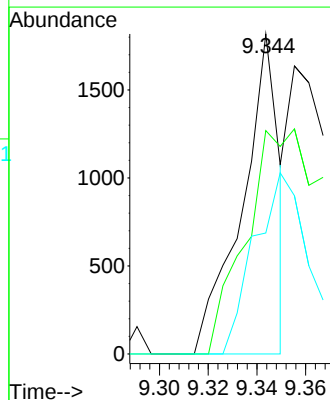
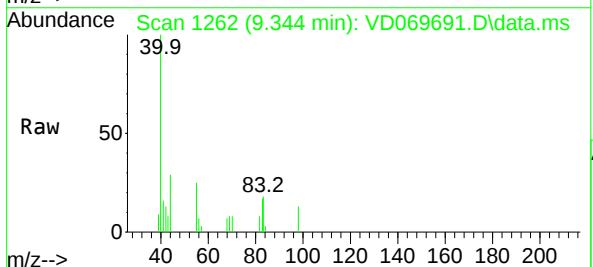
Tgt Ion: 83 Resp: 1925

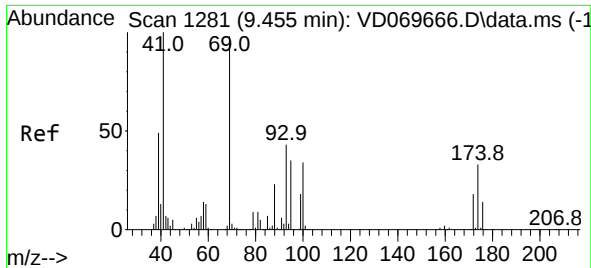
Ion Ratio Lower Upper

83 100

55 69.8 64.6 97.0

98 37.8 38.4 57.6#

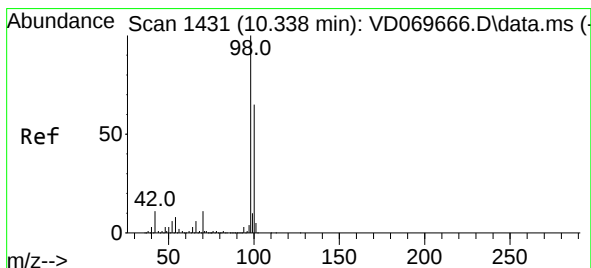
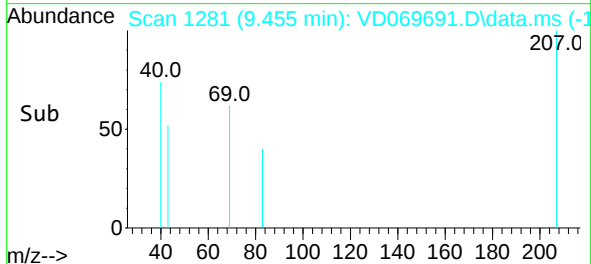
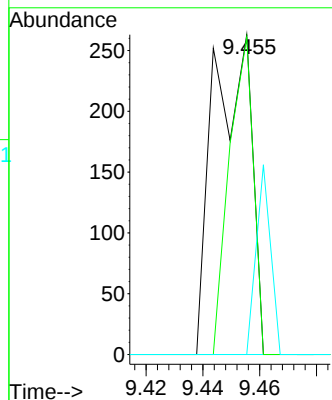
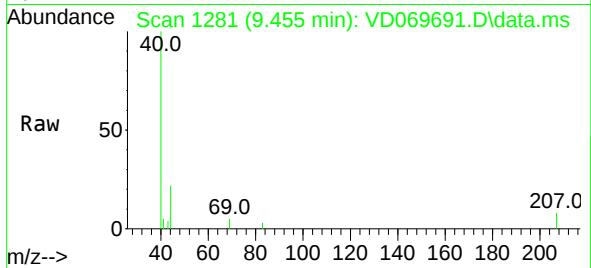




#48
Methyl methacrylate
Concen: 1.158 ug/l
RT: 9.455 min Scan# 1281
Delta R.T. 0.000 min
Lab File: VD069691.D
Acq: 14 Jul 2021 16:42

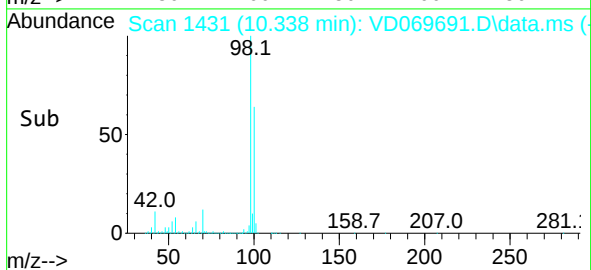
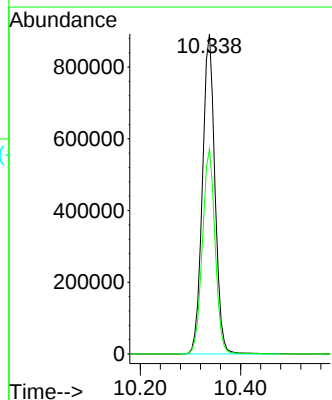
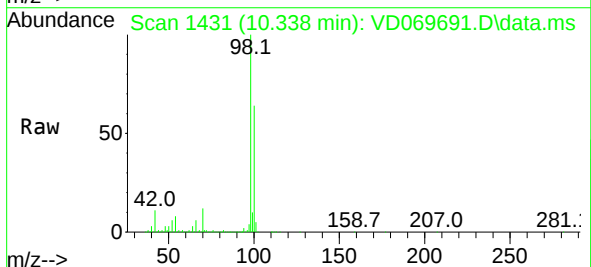
Instrument :
MSVOA_D
ClientSampleId :

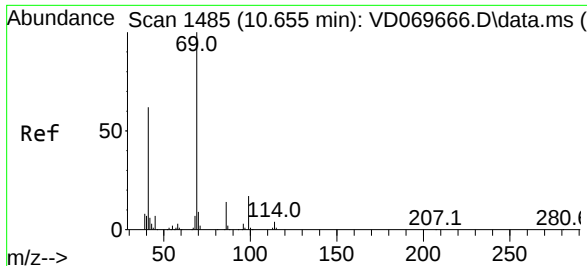
Tgt Ion: 41 Resp: 244
Ion Ratio Lower Upper
41 100
69 0.0 71.6 107.4#
39 22.5 36.7 55.1#



#50
Toluene-d8
Concen: 50.906 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069691.D
Acq: 14 Jul 2021 16:42

Tgt Ion: 98 Resp: 1543124
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2

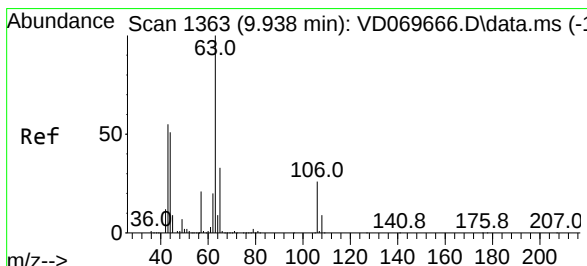
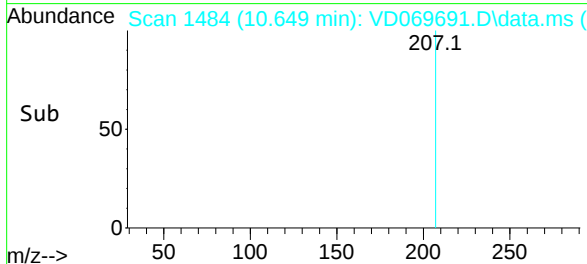
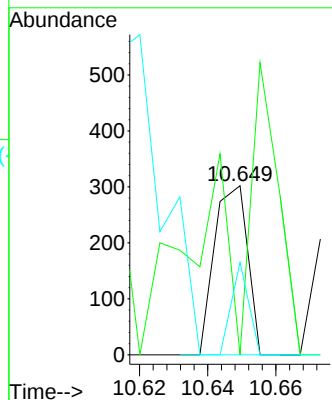
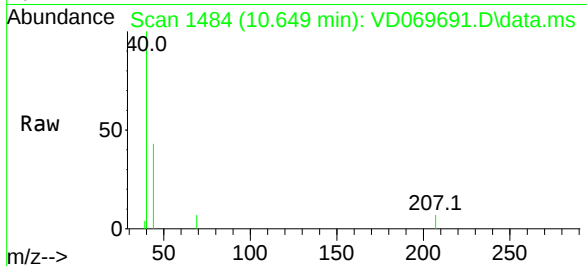




#56
Ethyl methacrylate
Concen: 1.689 ug/l
RT: 10.649 min Scan# 1484
Delta R.T. -0.006 min
Lab File: VD069691.D
Acq: 14 Jul 2021 16:42

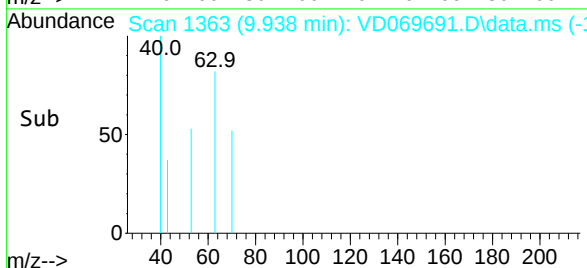
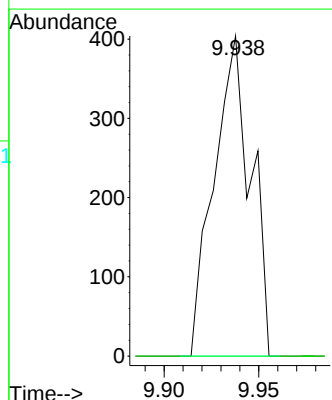
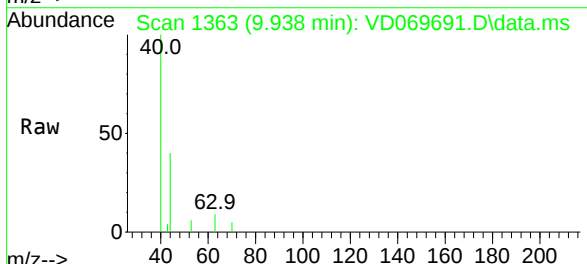
Instrument :
MSVOA_D
ClientSampled :

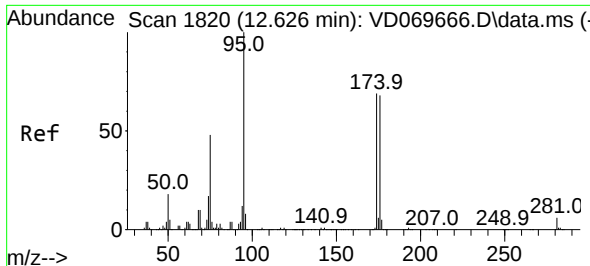
Tgt Ion: 69 Resp: 203
Ion Ratio Lower Upper
69 100
41 139.9 49.5 74.3#
39 28.6 22.5 33.7



#58
2-Chloroethyl Vinyl ether
Concen: 9.509 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069691.D
Acq: 14 Jul 2021 16:42

Tgt Ion: 63 Resp: 547
Ion Ratio Lower Upper
63 100
106 0.0 21.1 31.7#

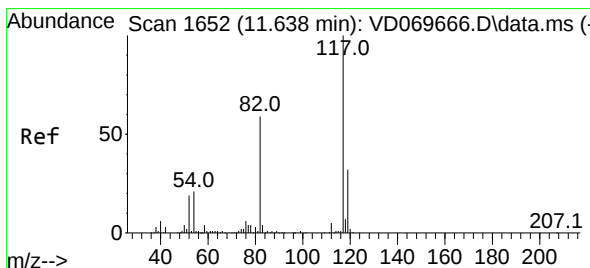
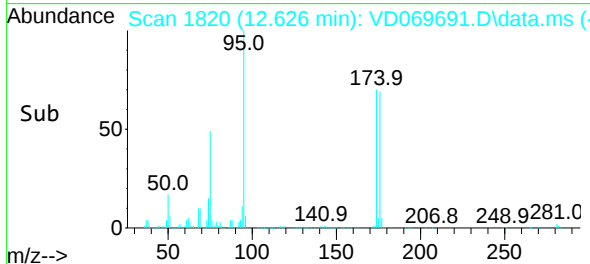
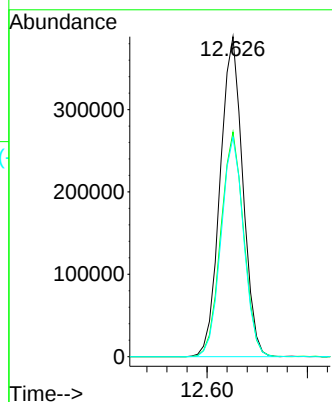
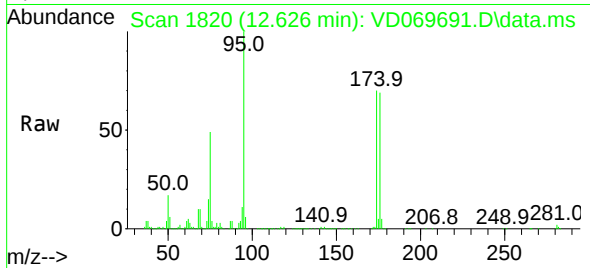




#62
4-Bromofluorobenzene
Concen: 60.285 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069691.D
Acq: 14 Jul 2021 16:42

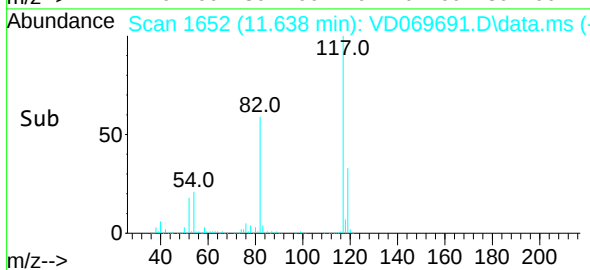
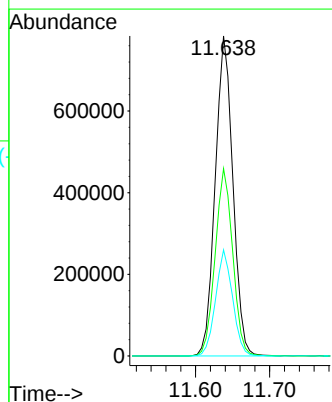
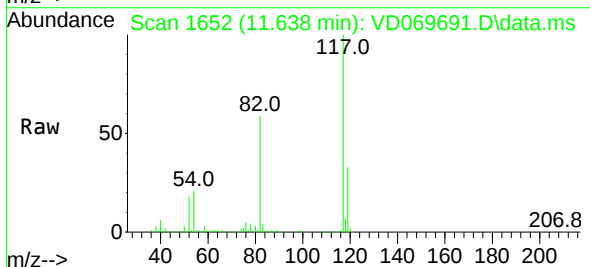
Instrument :
MSVOA_D
ClientSampleId :

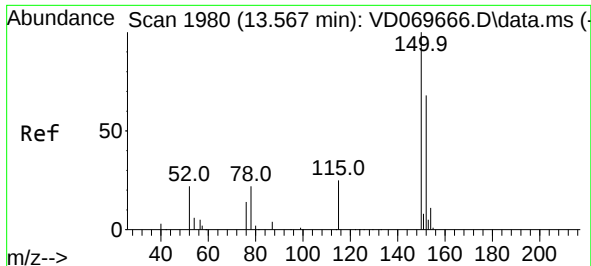
Tgt Ion: 95 Resp: 609463
Ion Ratio Lower Upper
95 100
174 70.6 0.0 140.0
176 68.3 0.0 136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069691.D
Acq: 14 Jul 2021 16:42

Tgt Ion: 117 Resp: 1296407
Ion Ratio Lower Upper
117 100
82 58.6 47.4 71.2
119 33.1 25.5 38.3

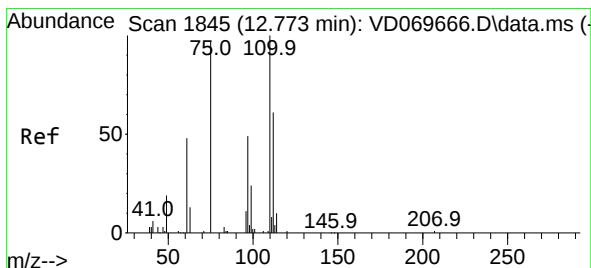
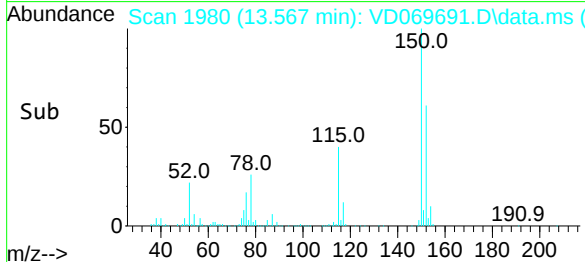
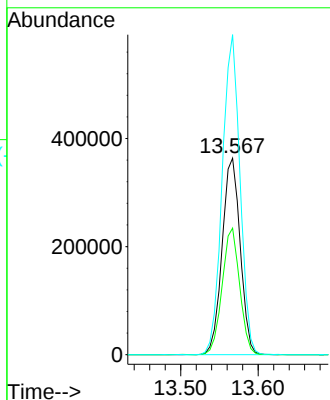
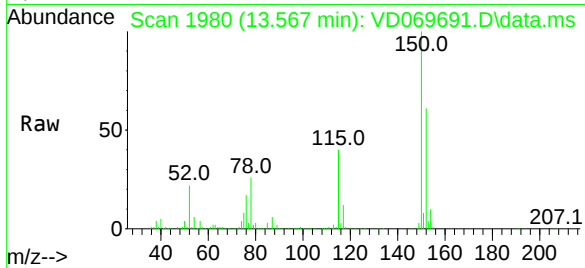




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069691.D
 Acq: 14 Jul 2021 16:42

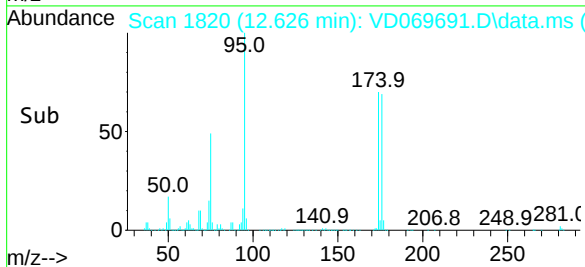
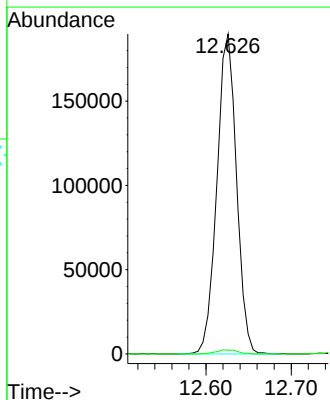
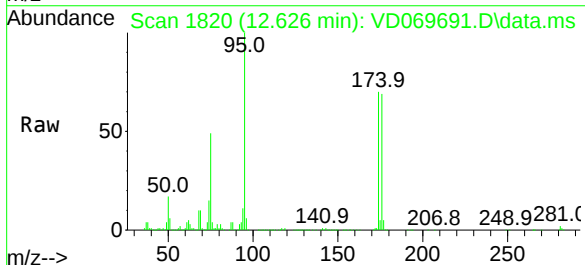
Instrument :
 MSVOA_D
 ClientSampled :

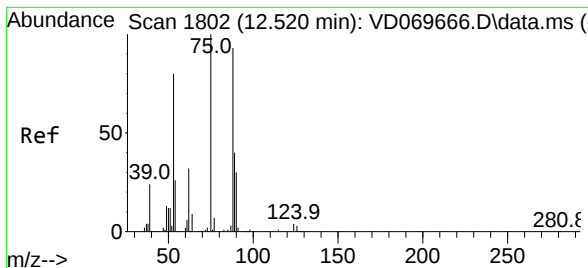
Tgt Ion:152 Resp: 589169
 Ion Ratio Lower Upper
 152 100
 115 62.6 31.7 95.1
 150 159.7 0.0 350.4



#76
 1,2,3-Trichloropropane
 Concen: 52.949 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069691.D
 Acq: 14 Jul 2021 16:42

Tgt Ion: 75 Resp: 303059
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

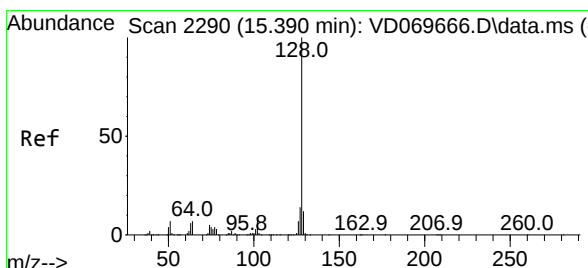
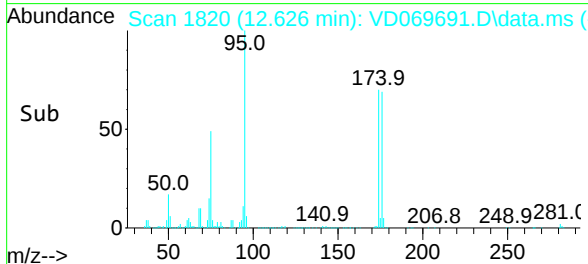
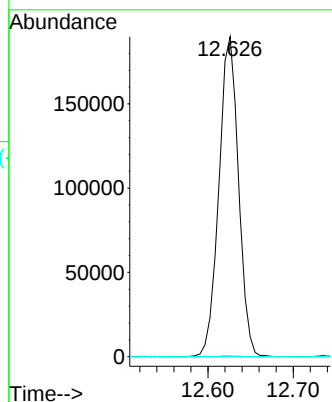
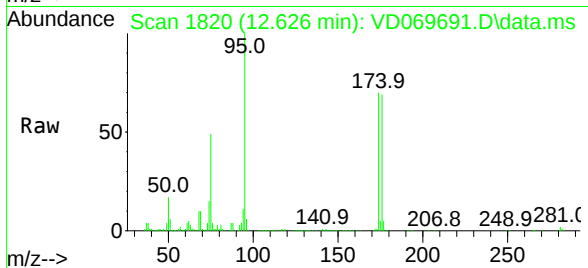




#81
trans-1,4-Dichloro-2-butene
Concen: 142.298 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069691.D
Acq: 14 Jul 2021 16:42

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 303059
Ion Ratio Lower Upper
75 100
53 0.2 70.6 106.0#
89 0.0 35.1 52.7#



#95
Naphthalene
Concen: 2.395 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069691.D
Acq: 14 Jul 2021 16:42

Tgt Ion:128 Resp: 3695
Ion Ratio Lower Upper
128 100
127 4.5 10.6 16.0#
129 5.8 8.8 13.2#

