

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050521\
 Data File : VD069066.D
 Acq On : 05 May 2021 13:43
 Operator : VA/SY
 Sample : M2263-02
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 05 14:04:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 04:16:41 2021
 Response via : Initial Calibration

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

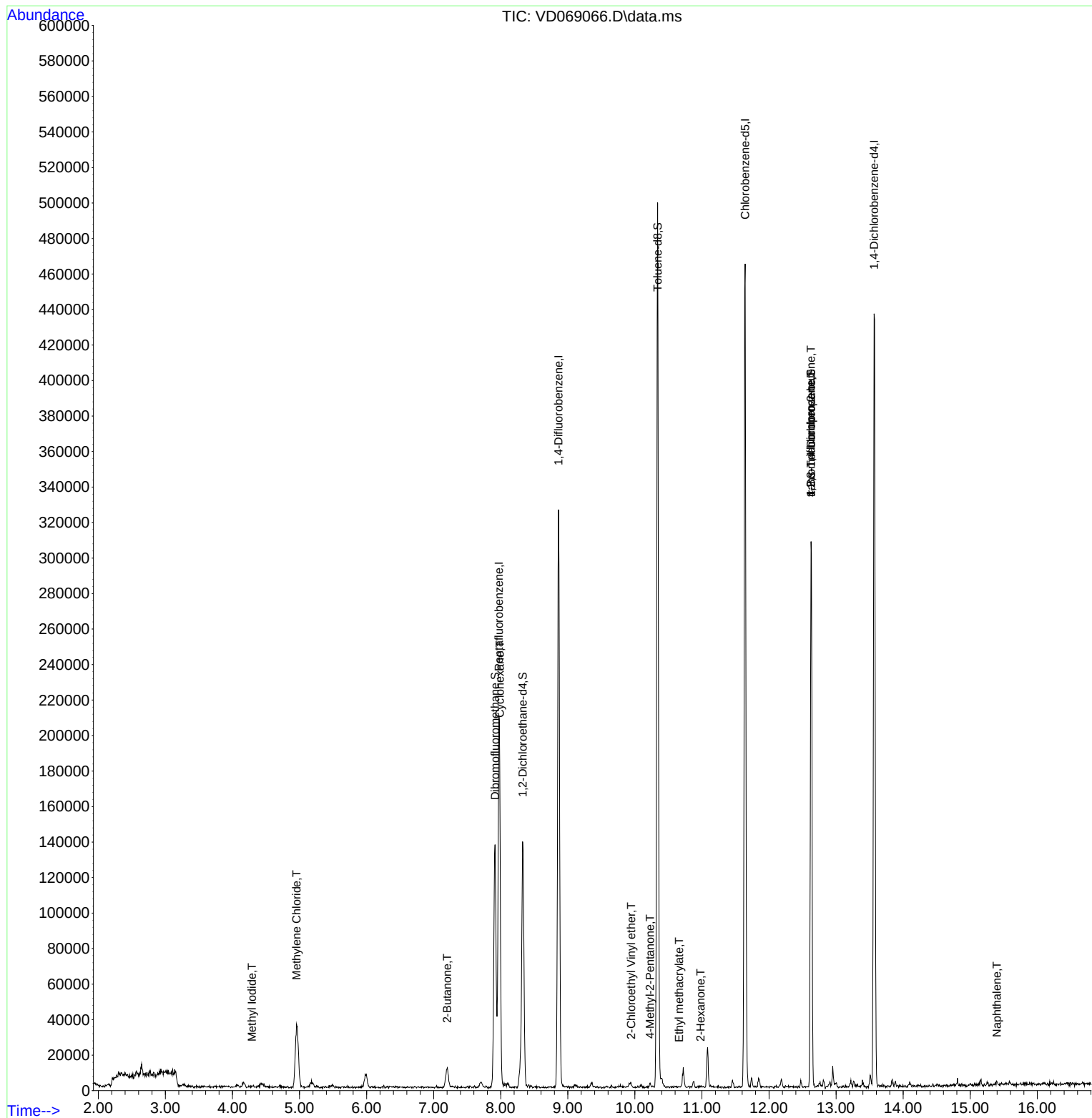
Internal Standards						
1) Pentafluorobenzene	7.973	168	144688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	269935	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	260617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	112996	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	110274	59.14	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.28%			
35) Dibromofluoromethane	7.914	113	95410	51.54	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.08%			
50) Toluene-d8	10.338	98	321884	47.10	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 94.20%			
62) 4-Bromofluorobenzene	12.626	95	99016	44.05	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.10%			
Target Compounds						Qvalue
10) Methyl Iodide	4.291	142	285	3.34	ug/l #	91
11) Tert butyl alcohol	5.179	59	247	Below Cal	#	81
16) Acetone	4.168	43	4096	Below Cal		94
20) Methylene Chloride	4.956	84	28891	10.45	ug/l	94
25) 2-Butanone	7.203	43	634	1.59	ug/l #	46
31) Cyclohexane	7.985	56	4199	1.55	ug/l #	59
51) 4-Methyl-2-Pentanone	10.226	43	1377	1.34	ug/l #	67
56) Ethyl methacrylate	10.661	69	74	2.41	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.944	63	1276	1.49	ug/l #	66
59) 2-Hexanone	10.979	43	805	1.16	ug/l #	34
76) 1,2,3-Trichloropropane	12.626	75	54941	55.85	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	54941	121.53	ug/l #	9
95) Naphthalene	15.396	128	2019	3.32	ug/l #	84

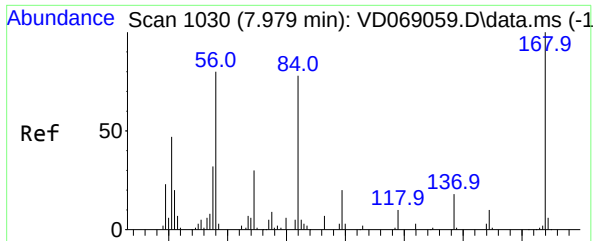
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
ClientSampleId :

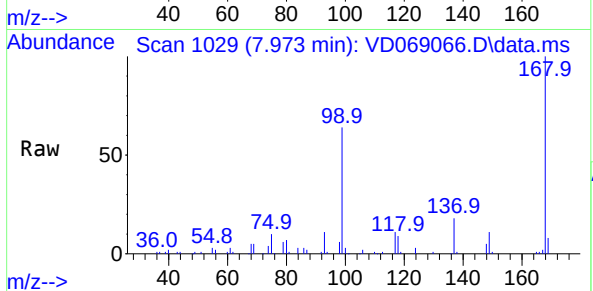
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
Quant Title : SW846 8260
QLast Update : Wed May 05 04:16:41 2021
Response via : Initial Calibration



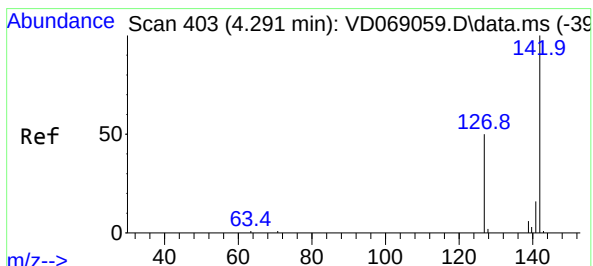
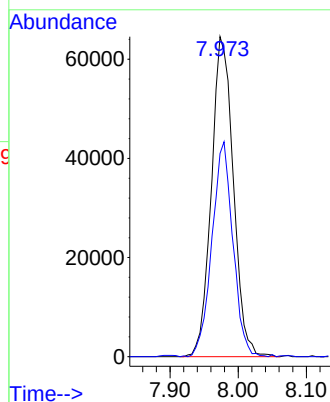
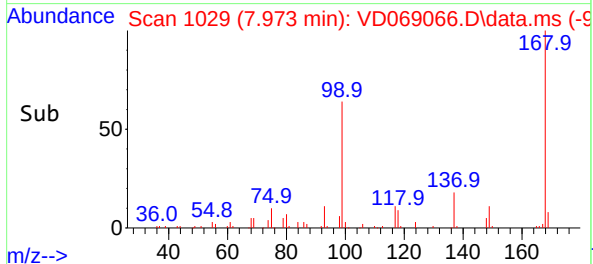


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD069066.D
Acq: 05 May 2021 13:43

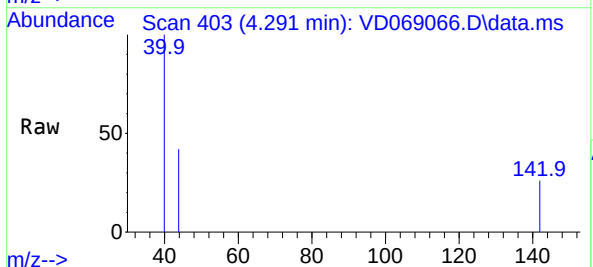
Instrument :
MSVOA_D
ClientSampleId :



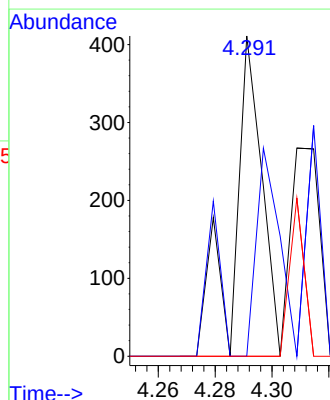
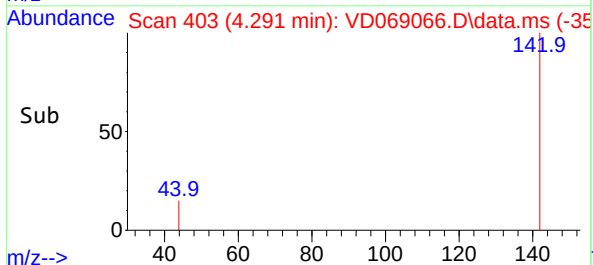
Tgt Ion:168 Resp: 144688
Ion Ratio Lower Upper
168 100
99 63.5 52.6 78.8

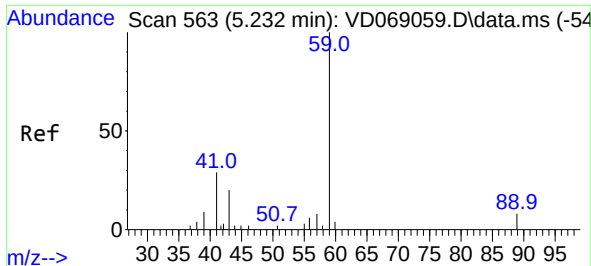


#10
Methyl Iodide
Concen: 3.34 ug/l
RT: 4.291 min Scan# 403
Delta R.T. 0.000 min
Lab File: VD069066.D
Acq: 05 May 2021 13:43



Tgt Ion:142 Resp: 285
Ion Ratio Lower Upper
142 100
127 52.3 41.6 62.4
141 0.0 12.2 18.4#



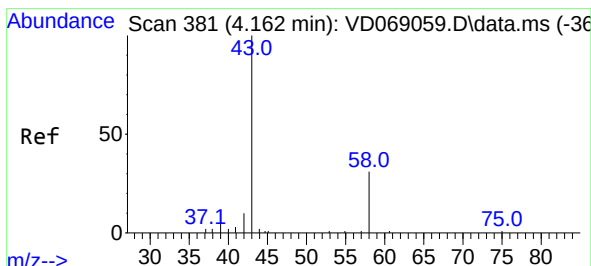
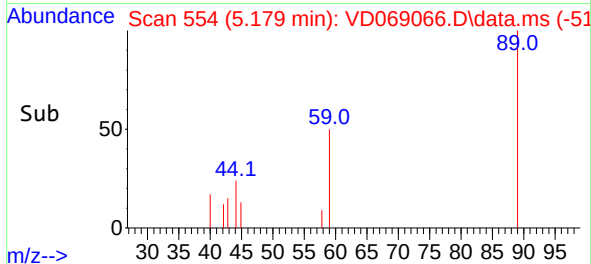
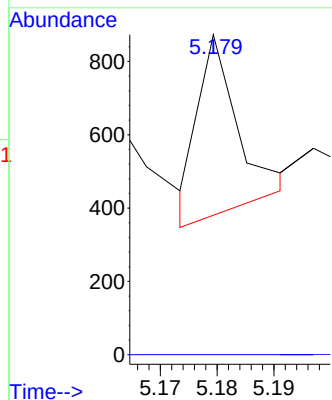
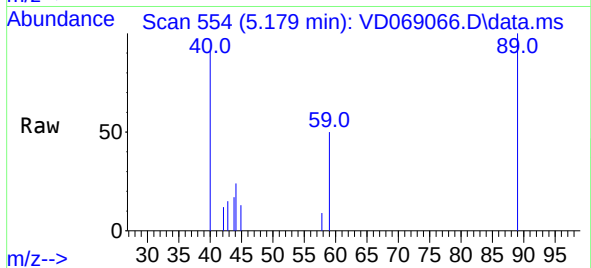


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.179 min Scan# 554
Delta R.T. -0.053 min
Lab File: VD069066.D
Acq: 05 May 2021 13:43

Instrument :
MSVOA_D
ClientSampled :

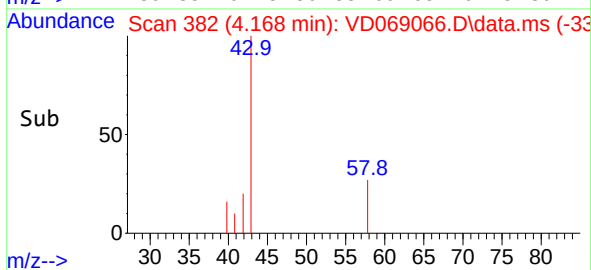
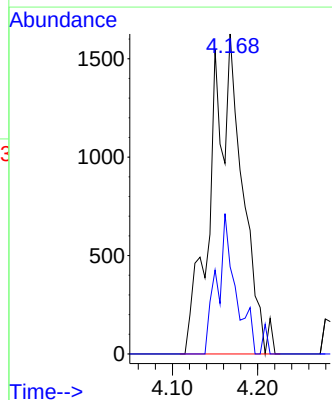
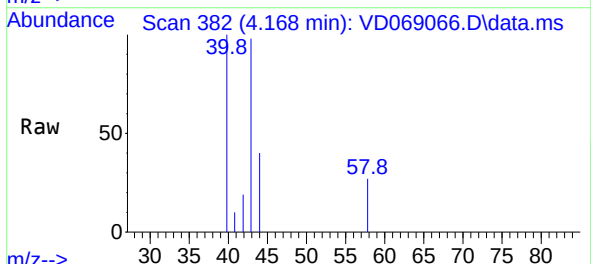
Tgt Ion: 59 Resp: 247
Ion Ratio Lower Upper
59 100
57 0.0 5.3 7.9#

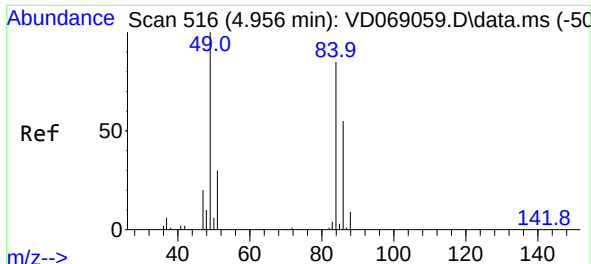


#16

Acetone
Concen: Below Cal
RT: 4.168 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069066.D
Acq: 05 May 2021 13:43

Tgt Ion: 43 Resp: 4096
Ion Ratio Lower Upper
43 100
58 27.2 24.5 36.7





#20

Methylene Chloride

Concen: 10.45 ug/l

RT: 4.956 min Scan# 516

Delta R.T. -0.000 min

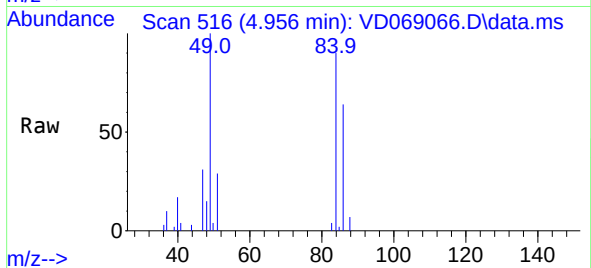
Lab File: VD069066.D

Acq: 05 May 2021 13:43

Instrument :

MSVOA_D

ClientSampled :



Tgt Ion: 84 Resp: 28891

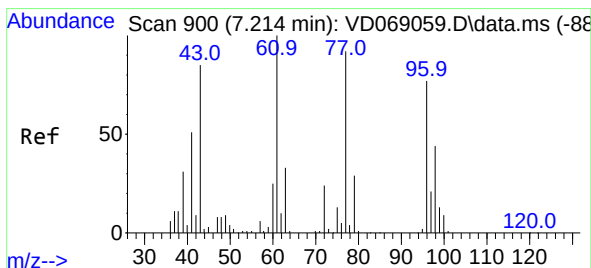
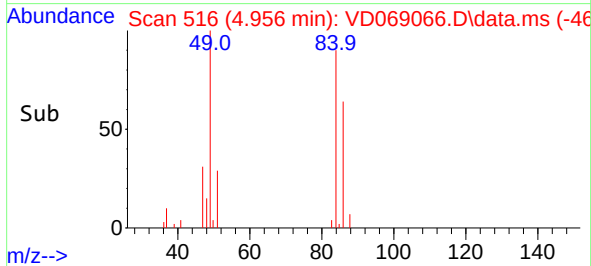
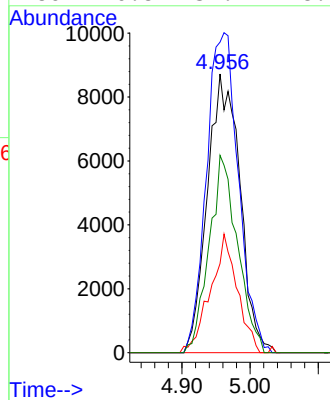
Ion Ratio Lower Upper

84 100

49 111.5 93.9 140.9

51 32.0 27.9 41.9

86 70.8 52.1 78.1



#25

2-Butanone

Concen: 1.59 ug/l

RT: 7.203 min Scan# 898

Delta R.T. -0.012 min

Lab File: VD069066.D

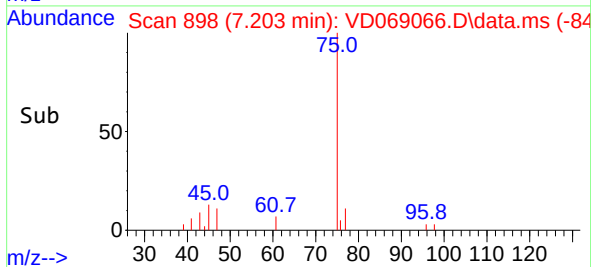
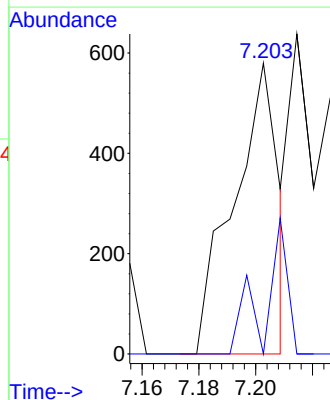
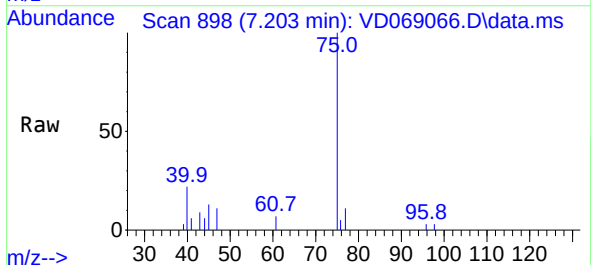
Acq: 05 May 2021 13:43

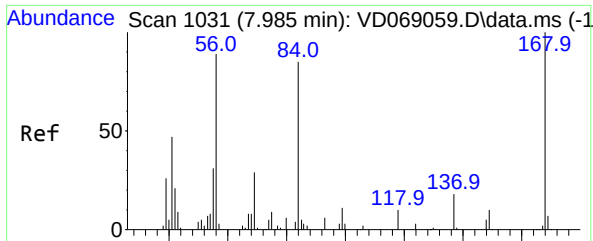
Tgt Ion: 43 Resp: 634

Ion Ratio Lower Upper

43 100

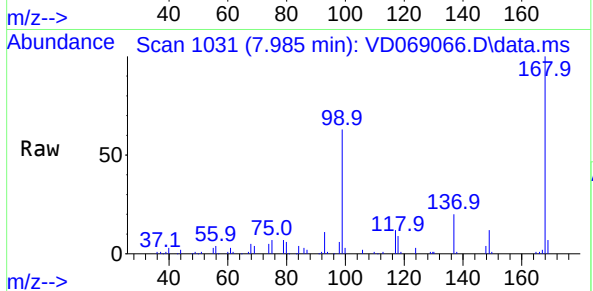
72 0.0 23.0 34.4#



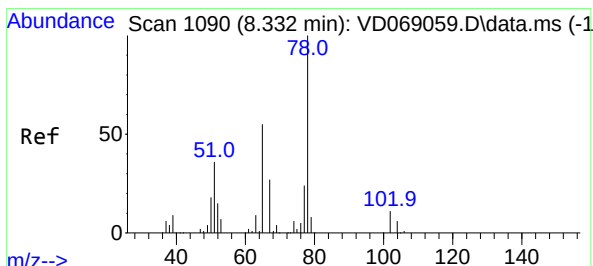
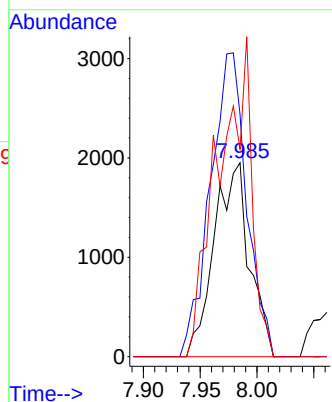
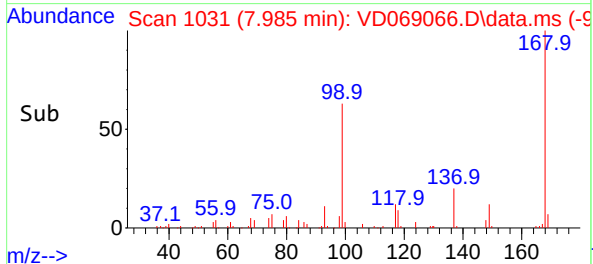


#31
Cyclohexane
Concen: 1.55 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD069066.D
Acq: 05 May 2021 13:43

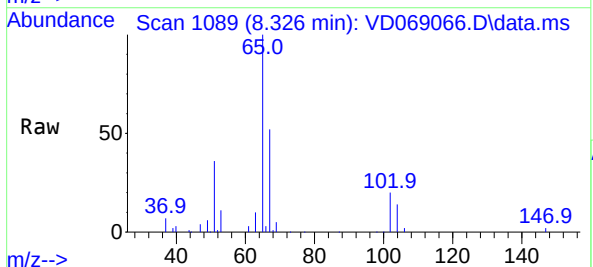
Instrument :
MSVOA_D
ClientSampled :



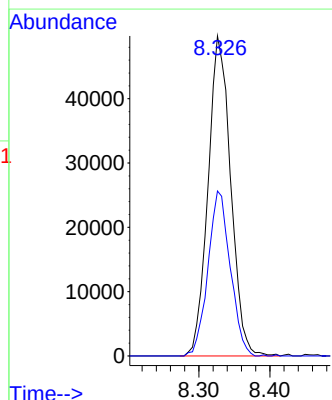
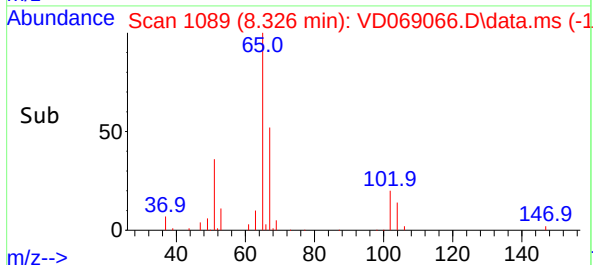
Tgt Ion: 56 Resp: 4199
Ion Ratio Lower Upper
56 100
69 115.4 26.3 39.5#
84 99.0 75.9 113.9

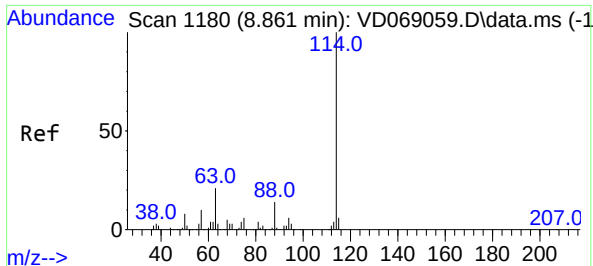


#33
1,2-Dichloroethane-d4
Concen: 59.14 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069066.D
Acq: 05 May 2021 13:43



Tgt Ion: 65 Resp: 110274
Ion Ratio Lower Upper
65 100
67 50.7 0.0 103.4



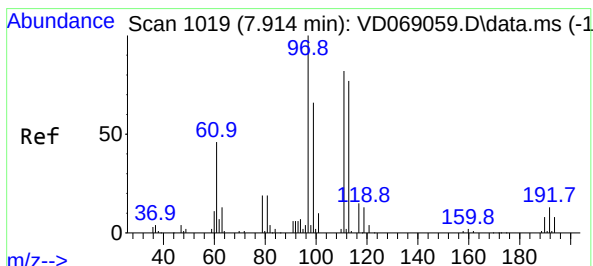
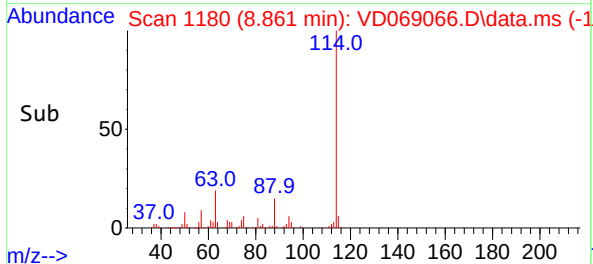
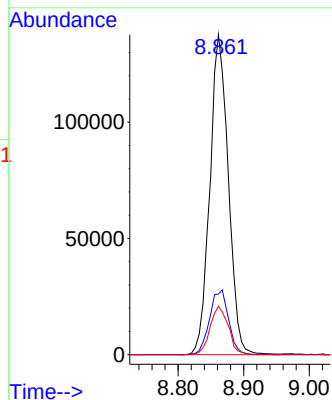
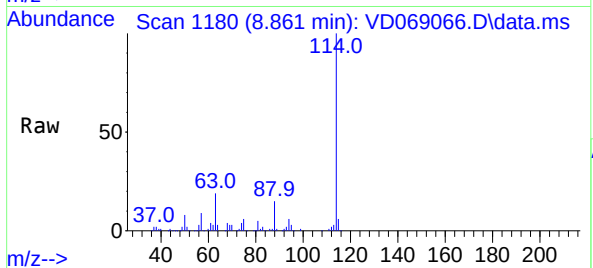


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069066.D
Acq: 05 May 2021 13:43

Instrument :
MSVOA_D
ClientSampled :

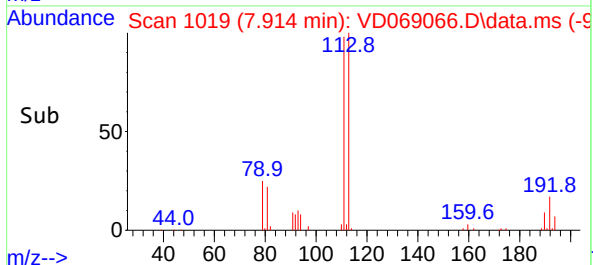
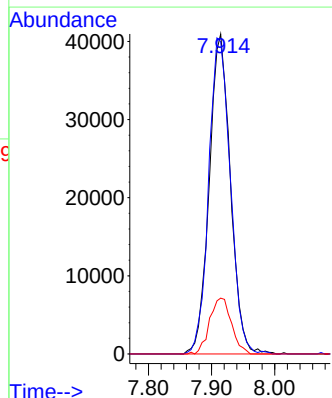
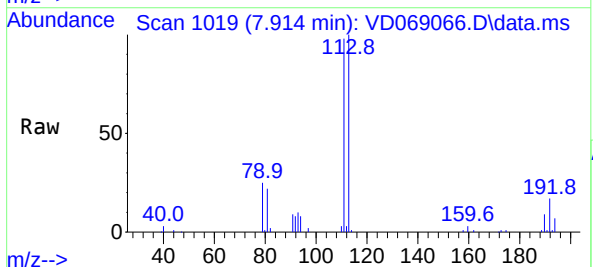
Tgt Ion:114 Resp: 269935
Ion Ratio Lower Upper
114 100
63 19.0 0.0 41.4
88 15.1 0.0 27.8

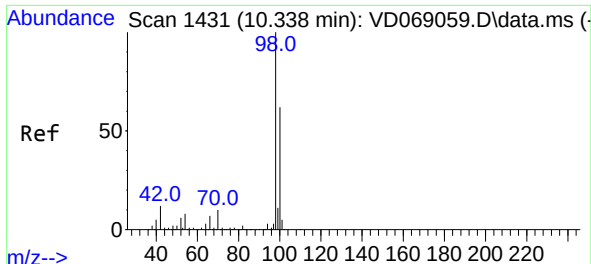


#35

Dibromofluoromethane
Concen: 51.54 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069066.D
Acq: 05 May 2021 13:43

Tgt Ion:113 Resp: 95410
Ion Ratio Lower Upper
113 100
111 100.6 84.6 126.8
192 18.0 13.5 20.3

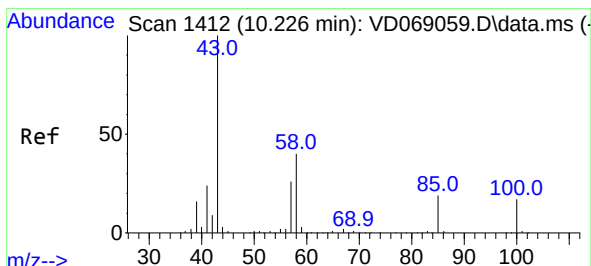
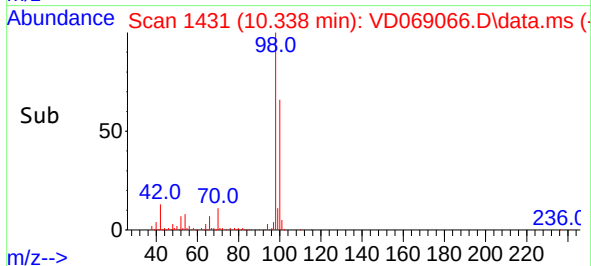
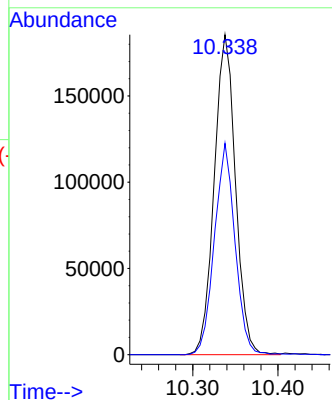
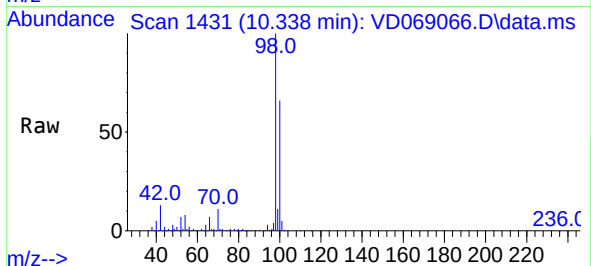




#50
Toluene-d8
Concen: 47.10 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069066.D
Acq: 05 May 2021 13:43

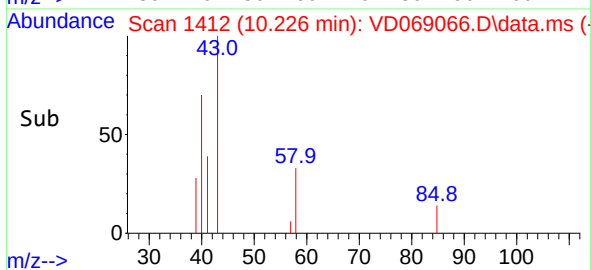
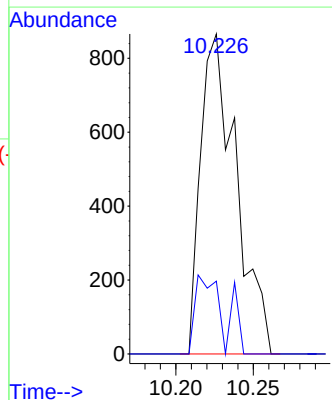
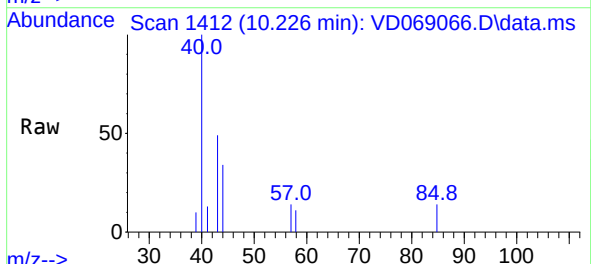
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MSVOA_D
ClientSampled :

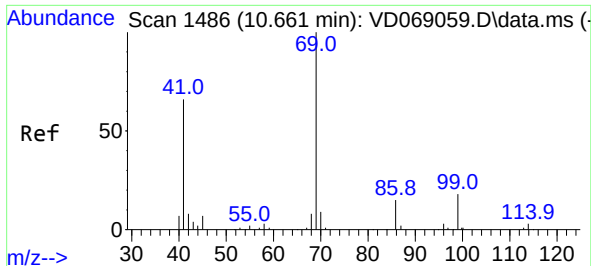
Tgt Ion: 98 Resp: 321884
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.34 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD069066.D
Acq: 05 May 2021 13:43

Tgt Ion: 43 Resp: 1377
Ion Ratio Lower Upper
43 100
58 20.0 32.7 49.1#

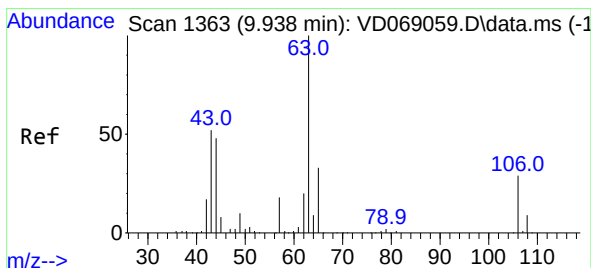
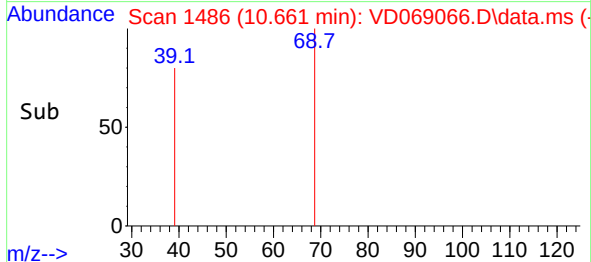
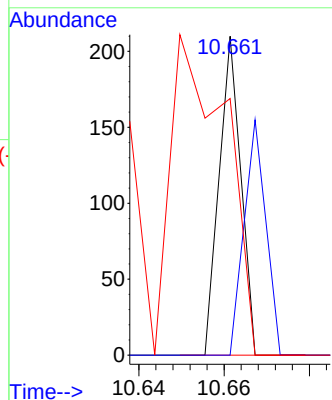
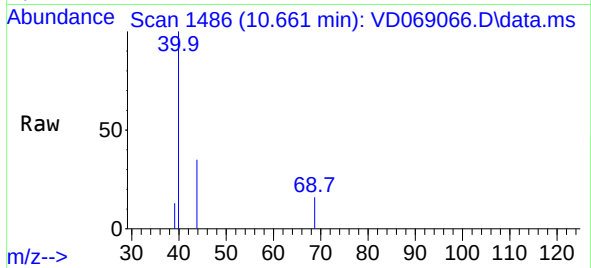




#56
Ethyl methacrylate
Concen: 2.41 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VD069066.D
Acq: 05 May 2021 13:43

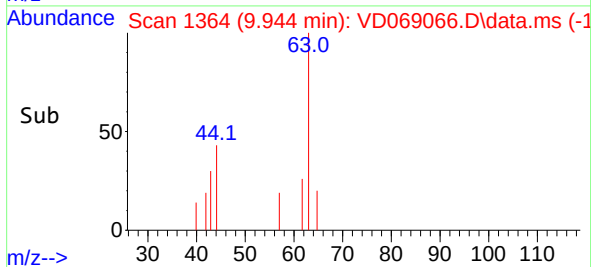
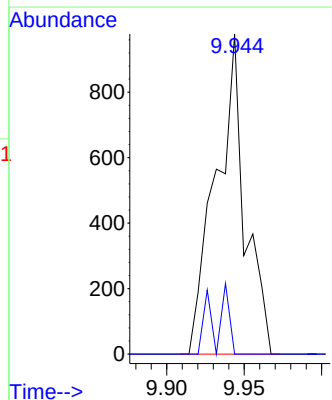
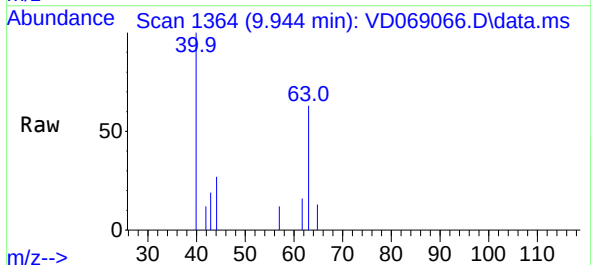
Instrument :
MSVOA_D
ClientSampled :

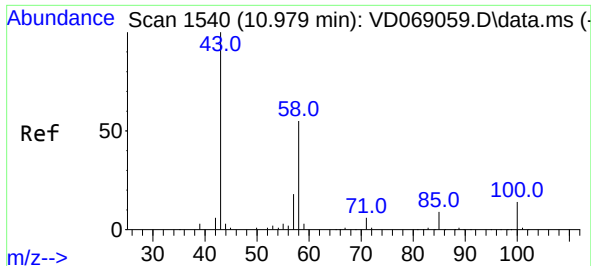
Tgt Ion: 69 Resp: 74
Ion Ratio Lower Upper
69 100
41 74.3 49.2 73.8#
39 255.4 29.8 44.6#



#58
2-Chloroethyl Vinyl ether
Concen: 1.49 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VD069066.D
Acq: 05 May 2021 13:43

Tgt Ion: 63 Resp: 1276
Ion Ratio Lower Upper
63 100
106 11.4 23.5 35.3#

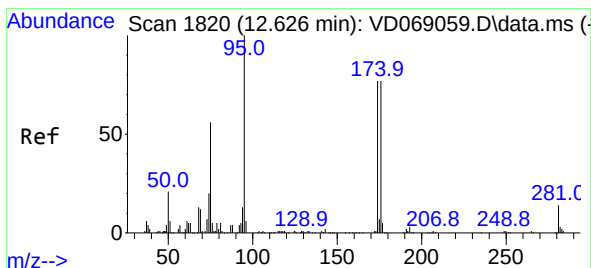
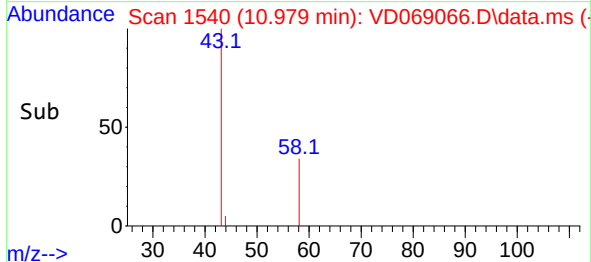
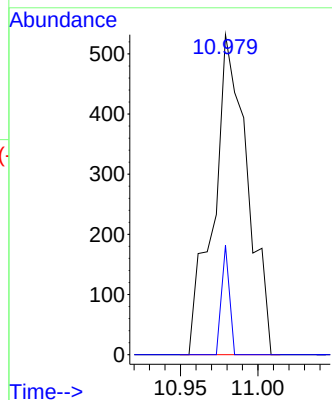
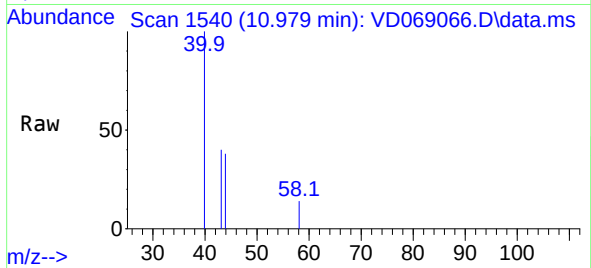




#59
2-Hexanone
Concen: 1.16 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VD069066.D
Acq: 05 May 2021 13:43

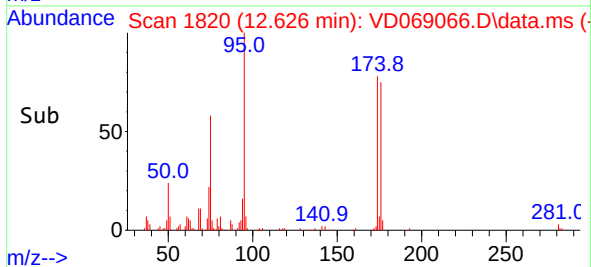
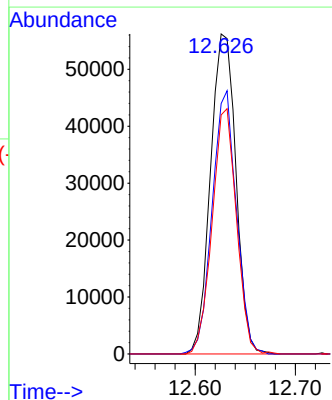
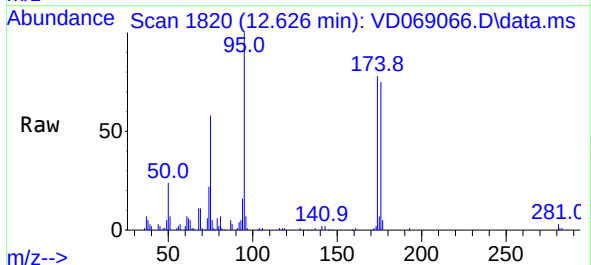
Instrument :
MSVOA_D
ClientSampled :

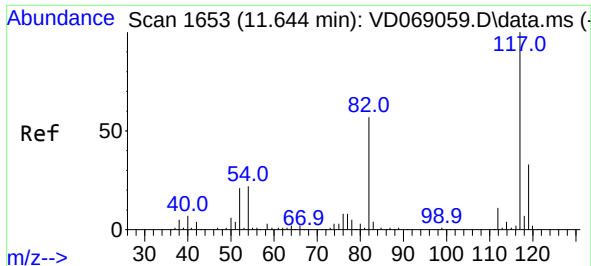
Tgt Ion: 43 Resp: 805
Ion Ratio Lower Upper
43 100
58 8.0 27.9 83.6#



#62
4-Bromofluorobenzene
Concen: 44.05 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069066.D
Acq: 05 May 2021 13:43

Tgt Ion: 95 Resp: 99016
Ion Ratio Lower Upper
95 100
174 78.6 0.0 156.0
176 73.2 0.0 149.4

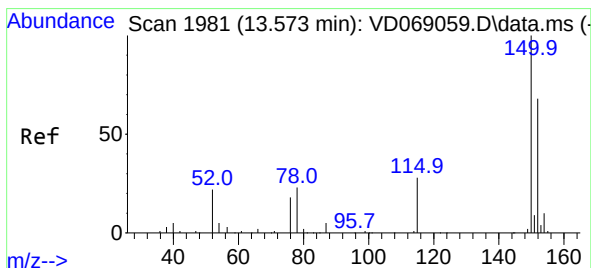
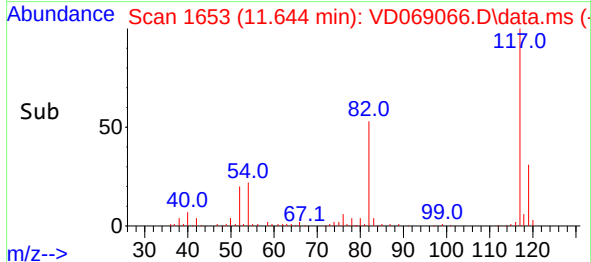
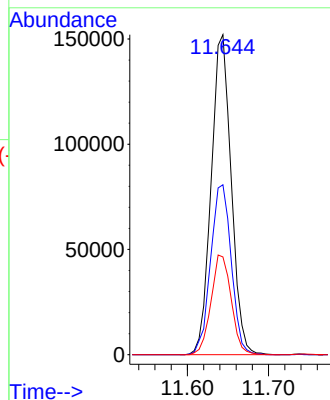
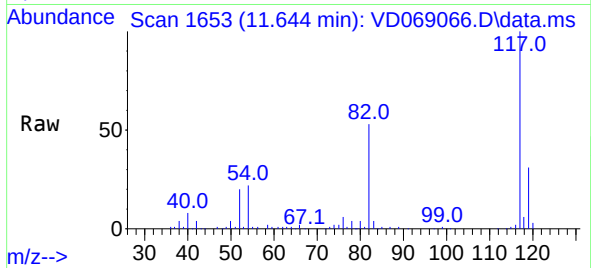




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069066.D
Acq: 05 May 2021 13:43

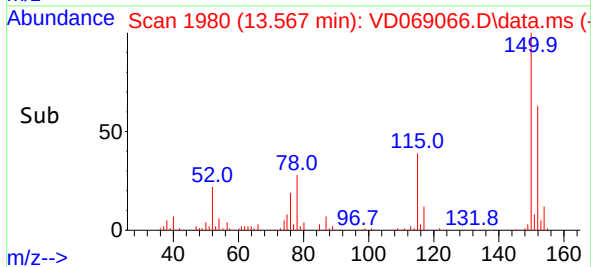
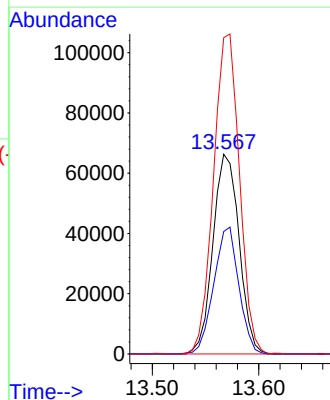
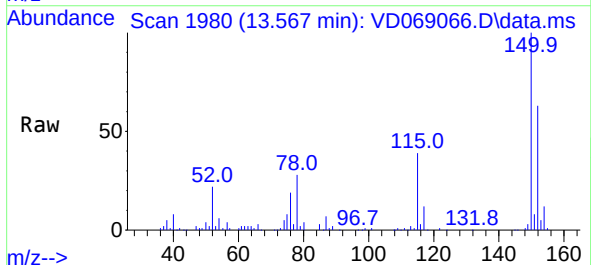
Instrument :
MSVOA_D
ClientSampled :

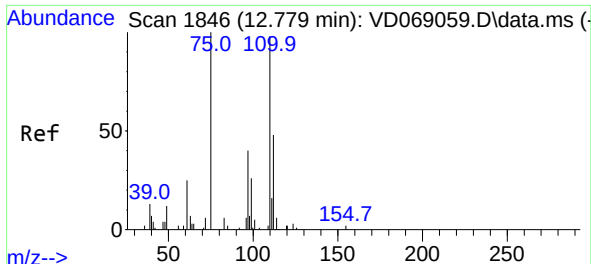
Tgt Ion:117 Resp: 260617
Ion Ratio Lower Upper
117 100
82 53.1 45.4 68.2
119 30.6 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD069066.D
Acq: 05 May 2021 13:43

Tgt Ion:152 Resp: 112996
Ion Ratio Lower Upper
152 100
115 60.9 30.5 91.5
150 159.1 0.0 340.8

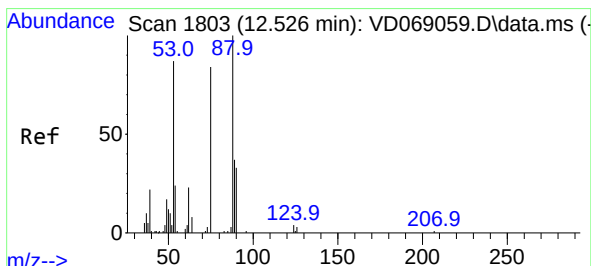
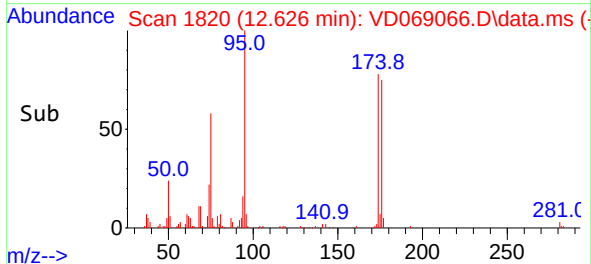
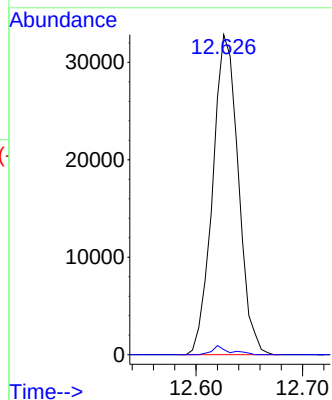
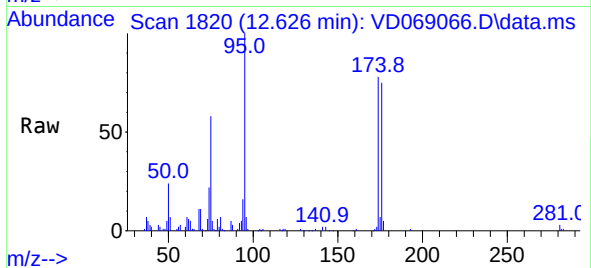




#76
1,2,3-Trichloropropane
Concen: 55.85 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069066.D
Acq: 05 May 2021 13:43

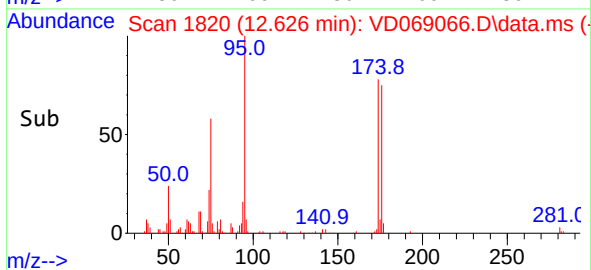
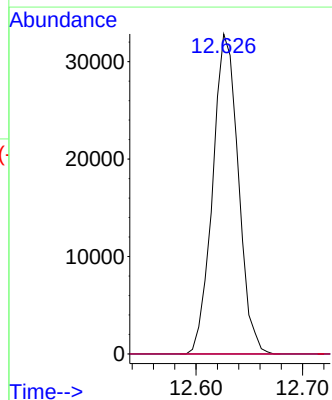
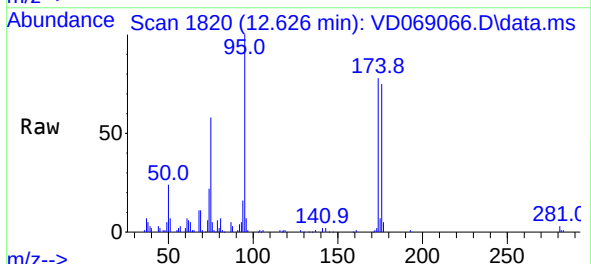
Instrument :
MSVOA_D
ClientSampled :

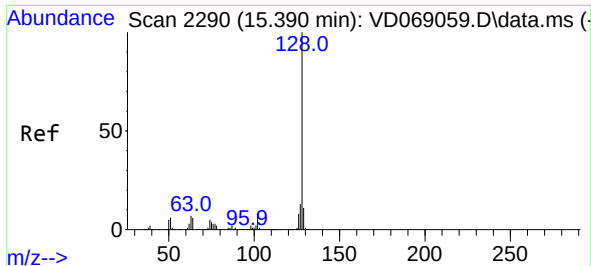
Tgt Ion: 75 Resp: 54941
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.53 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069066.D
Acq: 05 May 2021 13:43

Tgt Ion: 75 Resp: 54941
Ion Ratio Lower Upper
75 100
53 0.0 80.4 120.6#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 3.32 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069066.D
Acq: 05 May 2021 13:43

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:	128	Resp:	2019
Ion	Ratio	Lower	Upper
128	100		
127	5.9	10.7	16.1#
129	5.6	8.5	12.7#

