

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071621\
 Data File : VD069734.D
 Acq On : 16 Jul 2021 19:28
 Operator : VA/SY
 Sample : M3032-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 17 00:56:20 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)

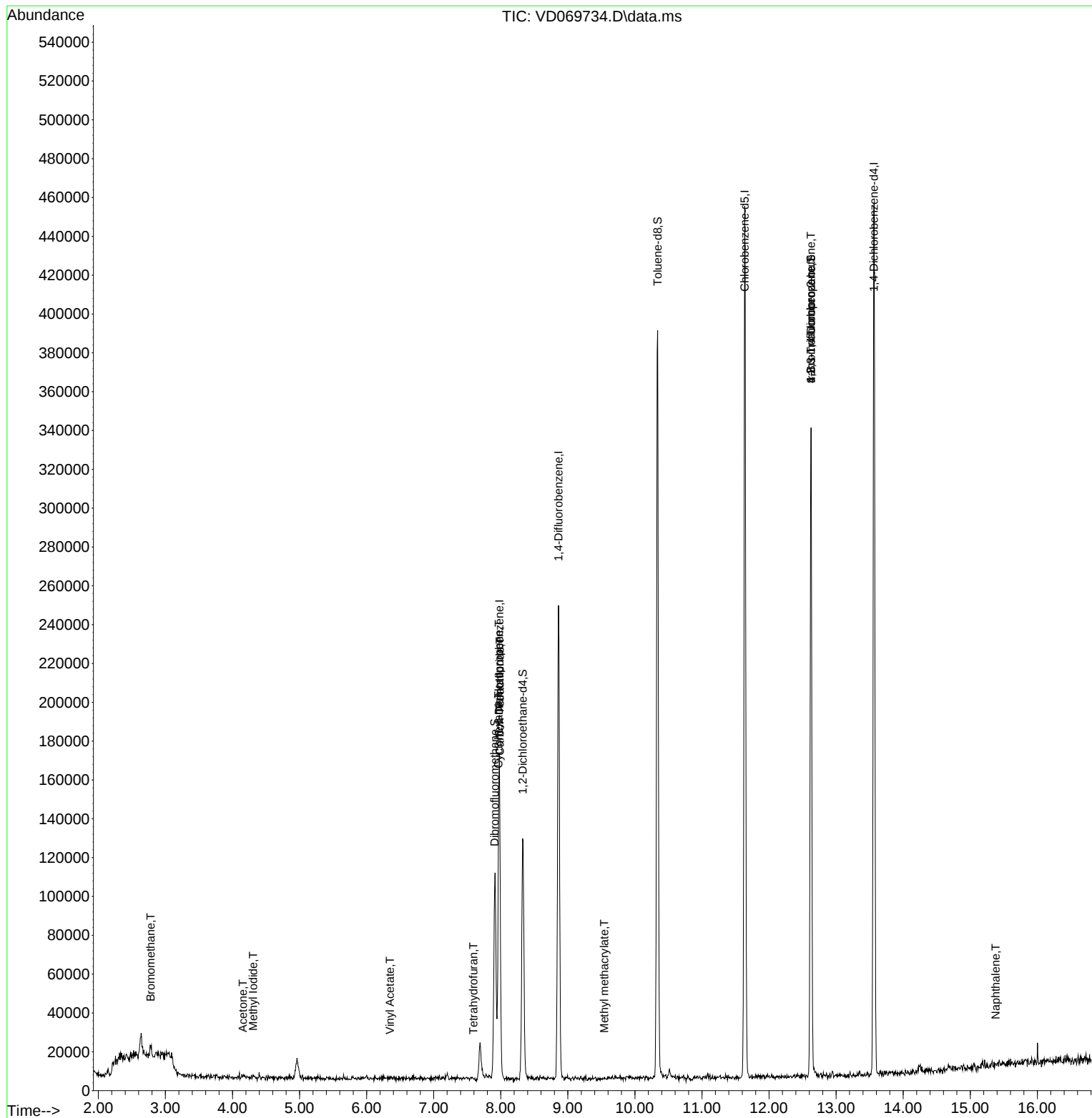
Internal Standards						
1) Pentafluorobenzene	7.979	168	112278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	203451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	260913	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	126259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	98283	70.105	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 140.220%			
35) Dibromofluoromethane	7.908	113	78129	57.241	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.480%			
50) Toluene-d8	10.338	98	272111	51.316	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.640%			
62) 4-Bromofluorobenzene	12.626	95	116135	65.669	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 131.340%			
Target Compounds					Qvalue	
5) Bromomethane	2.779	94	3411	1.568	ug/l #	54
10) Methyl Iodide	4.308	142	1652	3.593	ug/l #	52
16) Acetone	4.156	43	2406	20.495	ug/l #	86
18) Methyl Acetate	4.703	43	57	Below Cal	#	49
20) Methylene Chloride	4.950	84	7062	Below Cal	#	80
23) Vinyl Acetate	6.350	43	243	15.528	ug/l #	72
29) Tetrahydrofuran	7.591	42	234	1.140	ug/l #	32
31) Cyclohexane	7.967	56	3086	1.688	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	10351	4.932	ug/l #	44
38) Carbon Tetrachloride	7.985	117	12084	6.287	ug/l #	13
48) Methyl methacrylate	9.543	41	58	1.178	ug/l #	13
76) 1,2,3-Trichloropropane	12.626	75	56746	46.264	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	56746	124.332	ug/l #	15
95) Naphthalene	15.378	128	74	2.223	ug/l #	69

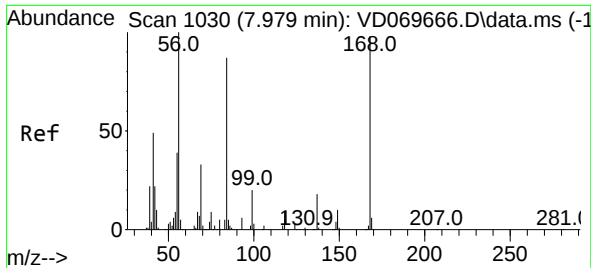
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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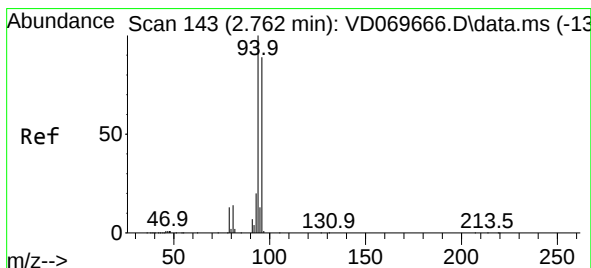
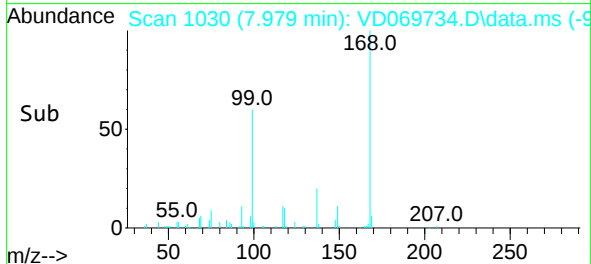
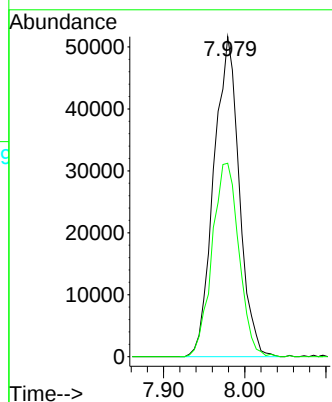
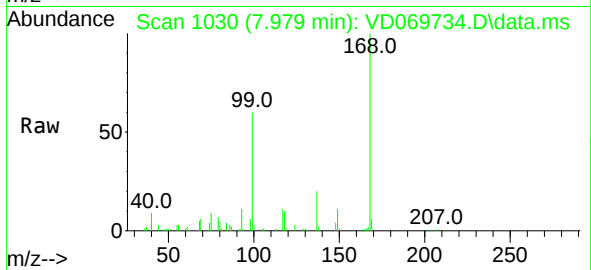




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069734.D
Acq: 16 Jul 2021 19:28

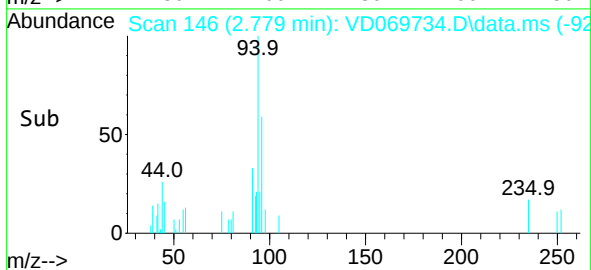
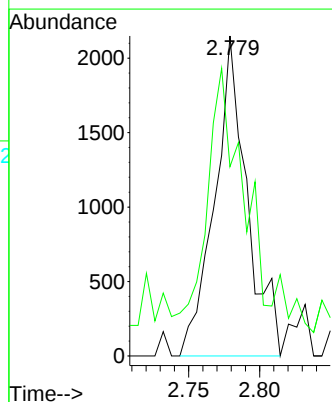
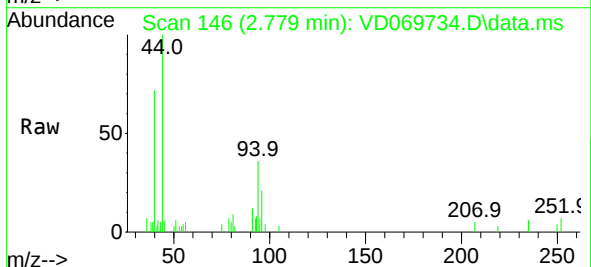
Instrument :
MSVOA_D
ClientSampled :

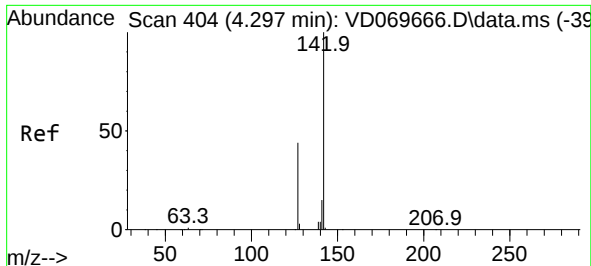
Tgt Ion:168 Resp: 112278
Ion Ratio Lower Upper
168 100
99 60.5 51.8 77.6



#5
Bromomethane
Concen: 1.568 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069734.D
Acq: 16 Jul 2021 19:28

Tgt Ion: 94 Resp: 3411
Ion Ratio Lower Upper
94 100
96 45.7 71.2 106.8#

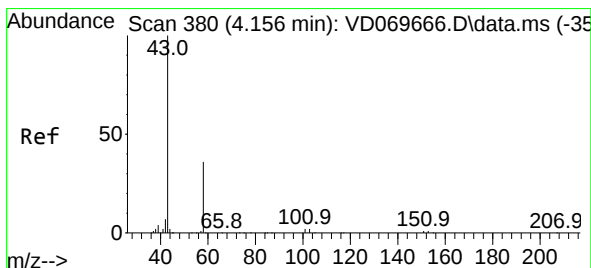
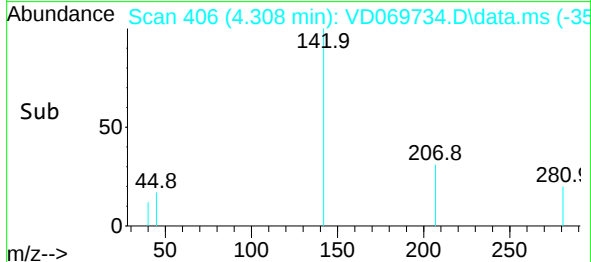
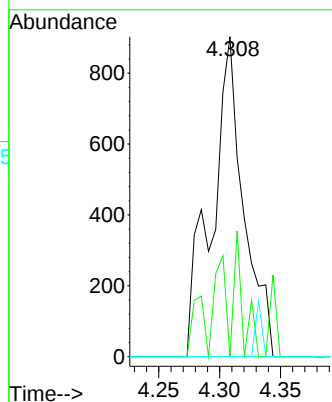
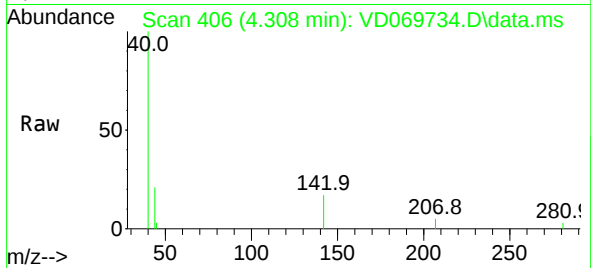




#10
Methyl Iodide
Concen: 3.593 ug/l
RT: 4.308 min Scan# 406
Delta R.T. 0.011 min
Lab File: VD069734.D
Acq: 16 Jul 2021 19:28

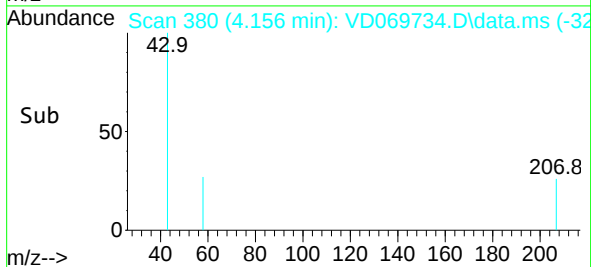
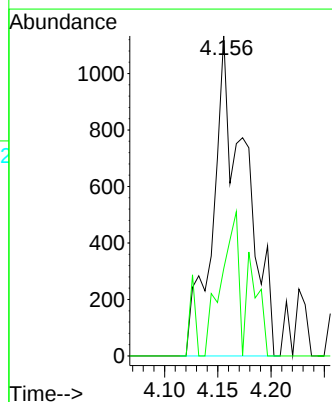
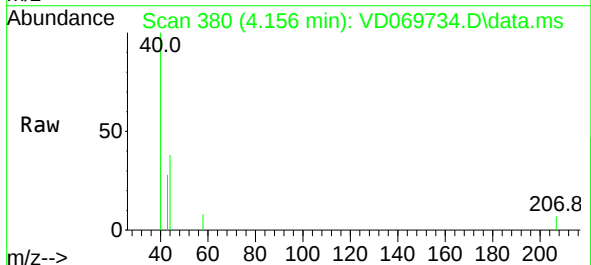
Instrument :
MSVOA_D
ClientSampleId :

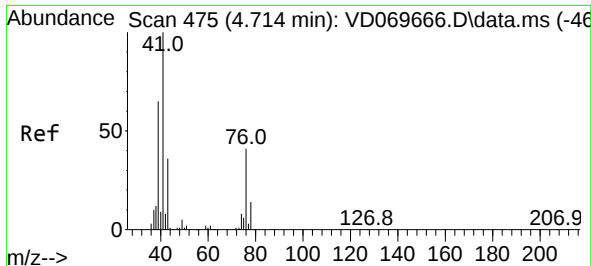
Tgt Ion:142 Resp: 1652
Ion Ratio Lower Upper
142 100
127 11.1 36.1 54.1#
141 0.0 11.6 17.4#



#16
Acetone
Concen: 20.495 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069734.D
Acq: 16 Jul 2021 19:28

Tgt Ion: 43 Resp: 2406
Ion Ratio Lower Upper
43 100
58 27.3 28.6 42.8#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.703 min Scan# 473

Delta R.T. -0.011 min

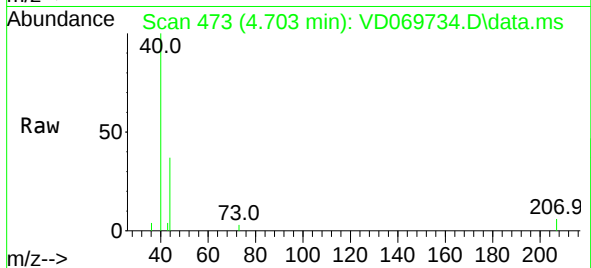
Lab File: VD069734.D

Acq: 16 Jul 2021 19:28

Instrument :

MSVOA_D

ClientSampleId :

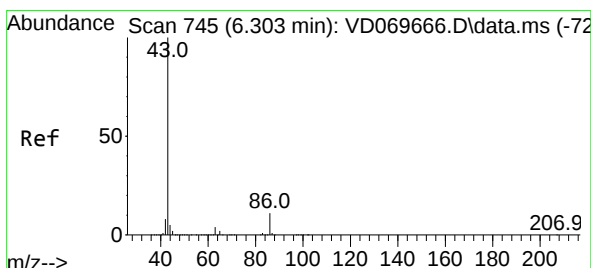
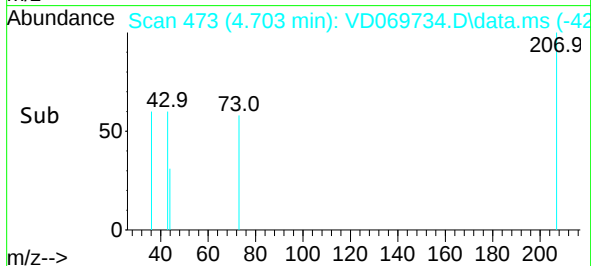
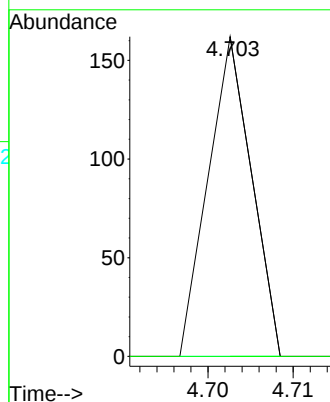


Tgt Ion: 43 Resp: 57

Ion Ratio Lower Upper

43 100

74 0.0 20.6 30.8#



#23

Vinyl Acetate

Concen: 15.528 ug/l

RT: 6.350 min Scan# 753

Delta R.T. 0.047 min

Lab File: VD069734.D

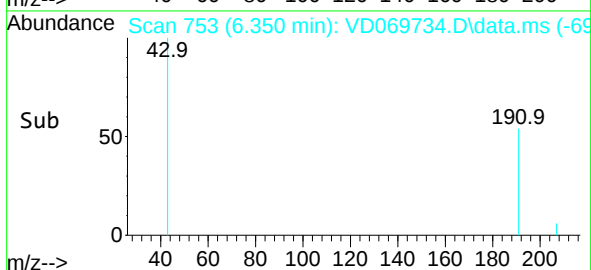
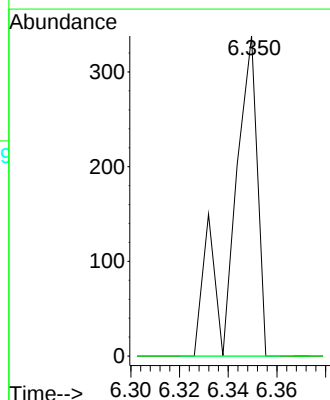
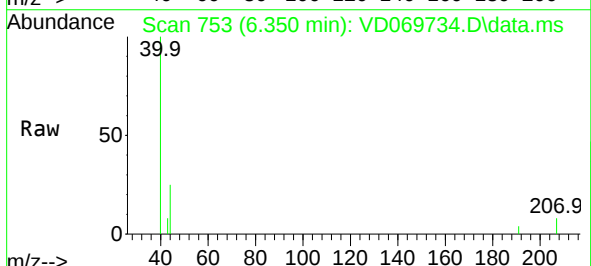
Acq: 16 Jul 2021 19:28

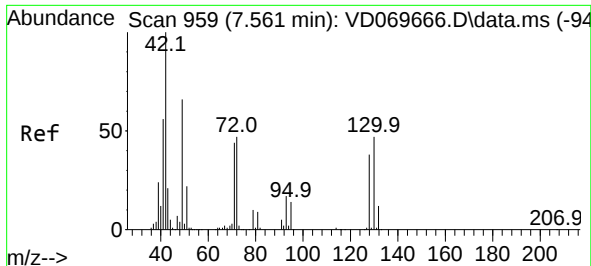
Tgt Ion: 43 Resp: 243

Ion Ratio Lower Upper

43 100

86 0.0 8.6 12.8#





#29

Tetrahydrofuran

Concen: 1.140 ug/l

RT: 7.591 min Scan# 964

Delta R.T. 0.030 min

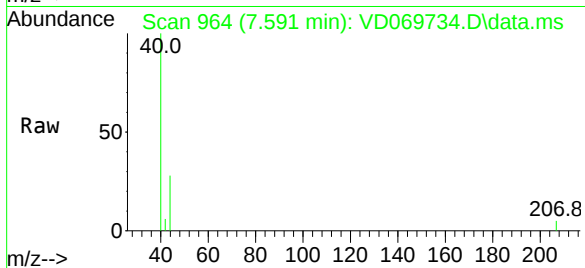
Lab File: VD069734.D

Acq: 16 Jul 2021 19:28

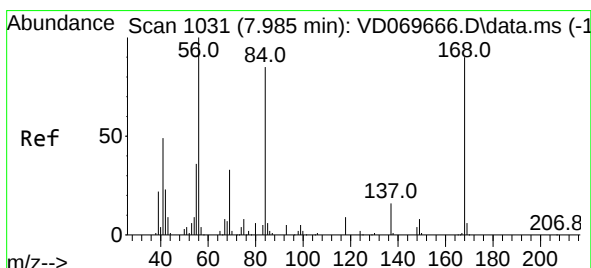
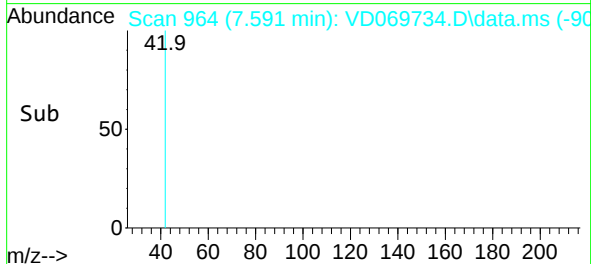
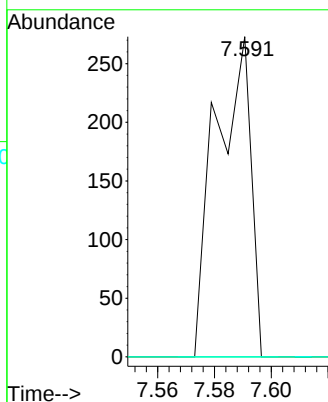
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	234
Ion Ratio	Lower	Upper	
42	100		
72	0.0	36.5	54.7#
71	0.0	33.4	50.0#



#31

Cyclohexane

Concen: 1.688 ug/l

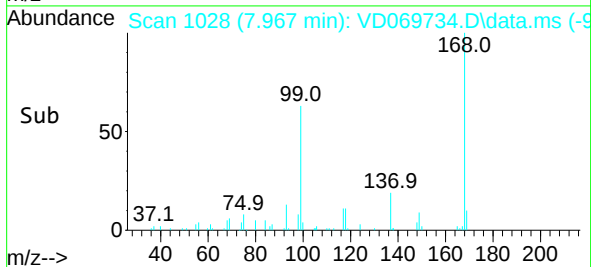
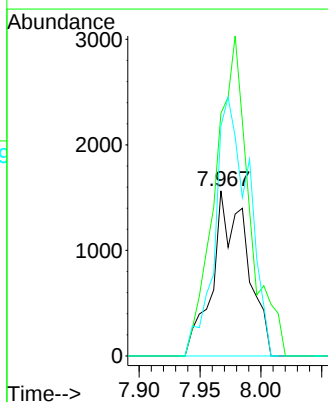
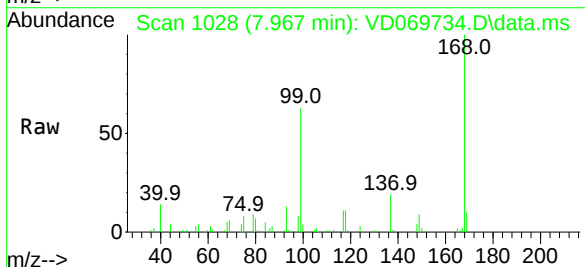
RT: 7.967 min Scan# 1028

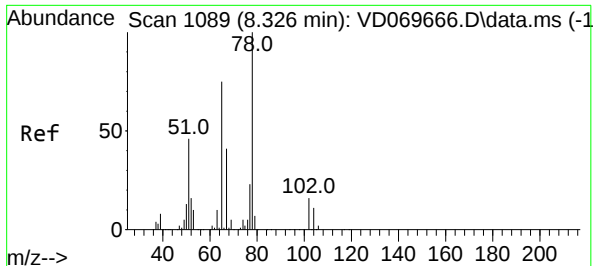
Delta R.T. -0.018 min

Lab File: VD069734.D

Acq: 16 Jul 2021 19:28

Tgt Ion:	56	Resp:	3086
Ion Ratio	Lower	Upper	
56	100		
69	147.0	26.6	39.8#
84	139.2	68.2	102.2#

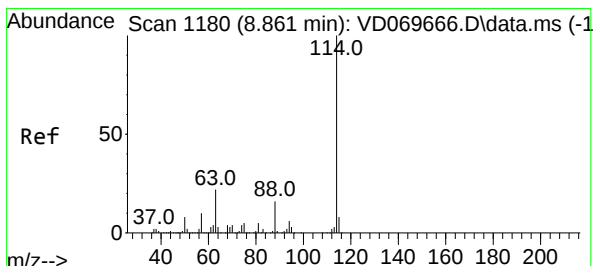
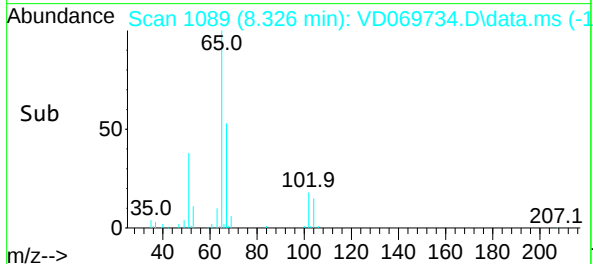
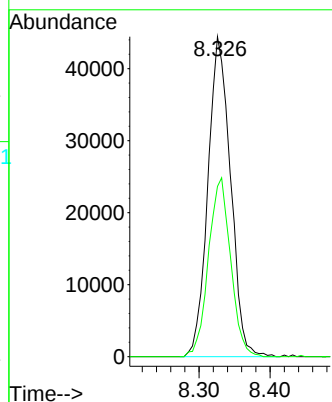
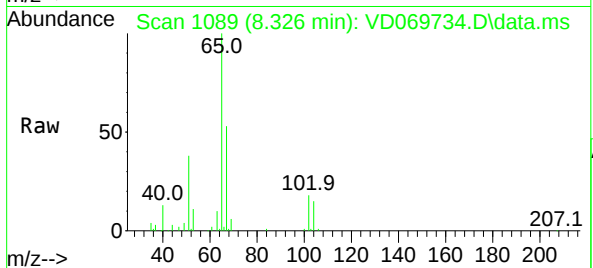




#33
1,2-Dichloroethane-d4
Concen: 70.105 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069734.D
Acq: 16 Jul 2021 19:28

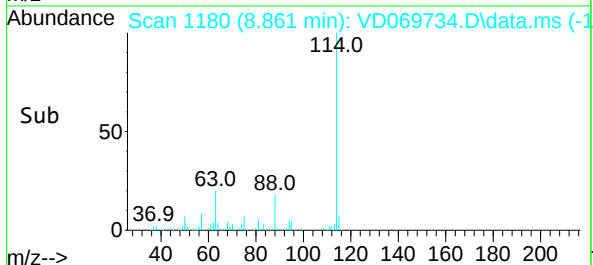
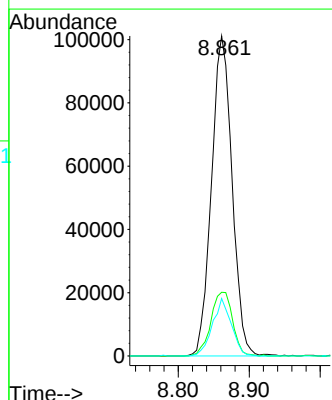
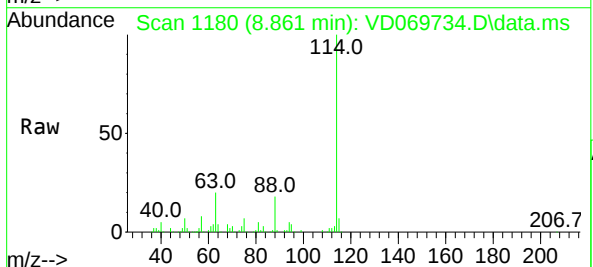
Instrument :
MSVOA_D
ClientSampleId :

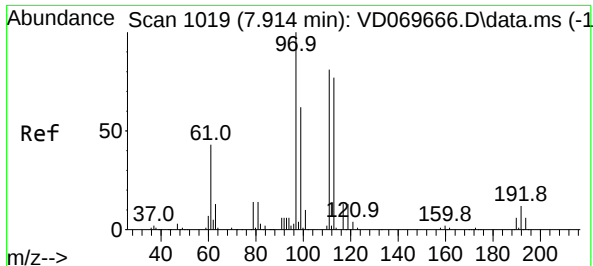
Tgt Ion: 65 Resp: 98283
Ion Ratio Lower Upper
65 100
67 54.8 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069734.D
Acq: 16 Jul 2021 19:28

Tgt Ion:114 Resp: 203451
Ion Ratio Lower Upper
114 100
63 19.9 0.0 43.4
88 17.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 57.241 ug/l

RT: 7.908 min Scan# 1018

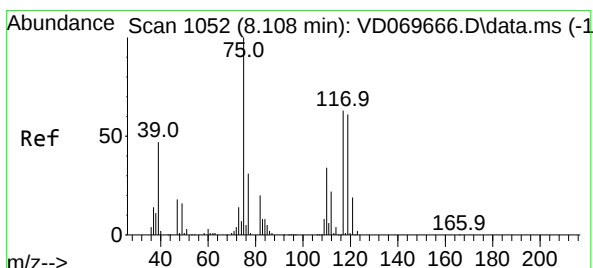
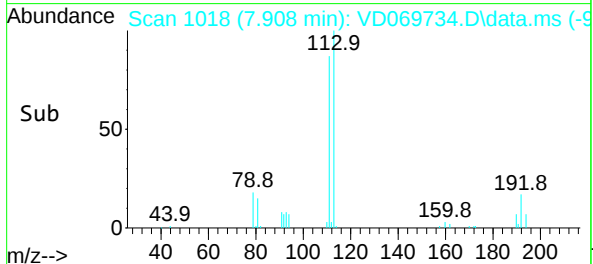
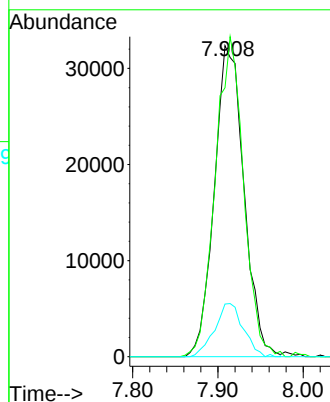
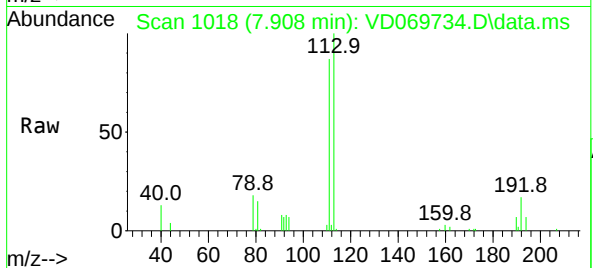
Delta R.T. -0.006 min

Lab File: VD069734.D

Acq: 16 Jul 2021 19:28

Tgt Ion:	113	Resp:	78129
Ion Ratio	Lower	Upper	
113	100		
111	98.7	82.6	123.8
192	16.6	12.7	19.1

Instrument :
MSVOA_D
ClientSampled :



#36

1,1-Dichloropropene

Concen: 4.932 ug/l

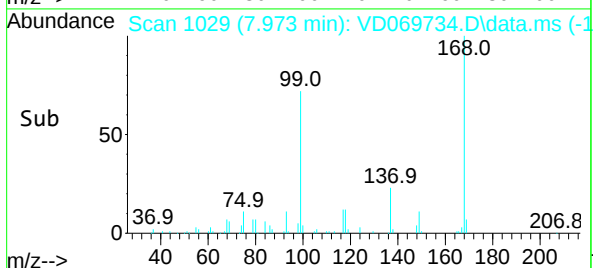
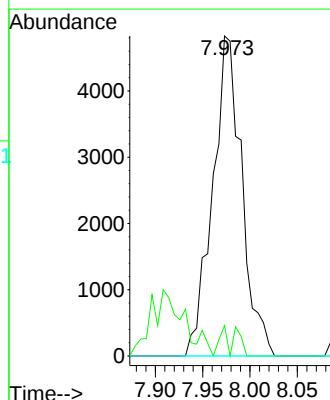
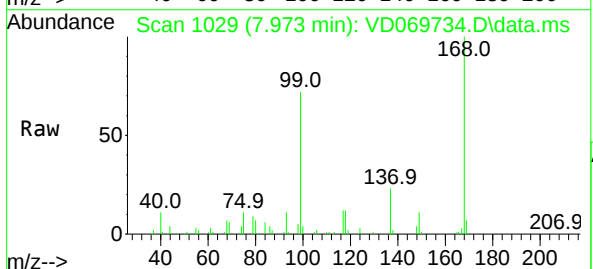
RT: 7.973 min Scan# 1029

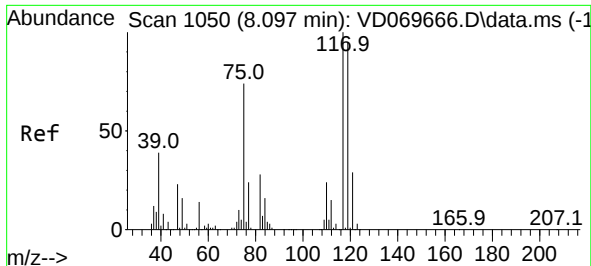
Delta R.T. -0.135 min

Lab File: VD069734.D

Acq: 16 Jul 2021 19:28

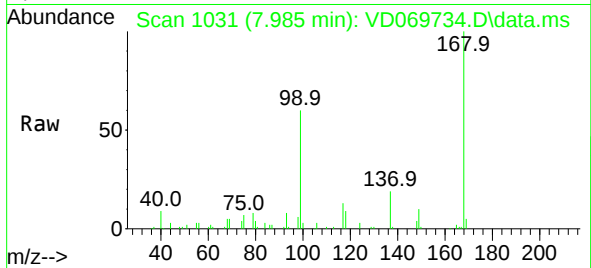
Tgt Ion:	75	Resp:	10351
Ion Ratio	Lower	Upper	
75	100		
110	2.4	16.7	50.0#
77	0.0	25.3	37.9#



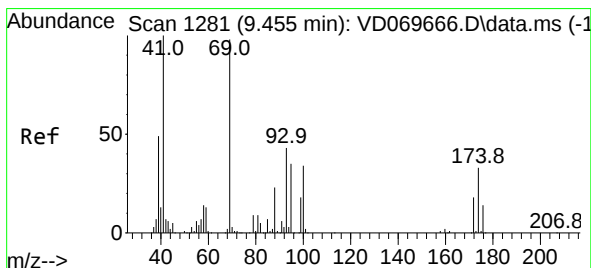
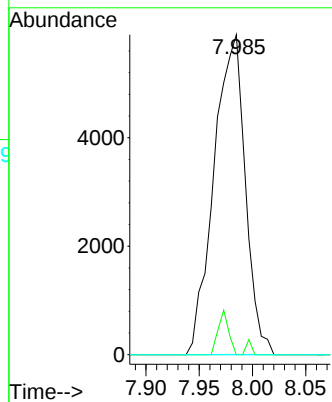
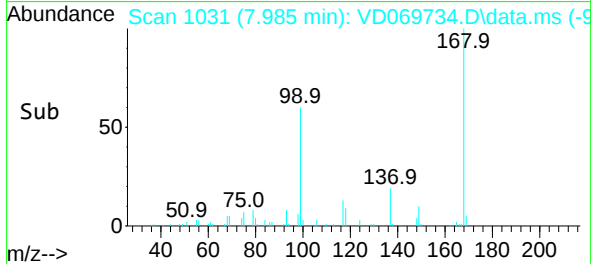


#38
Carbon Tetrachloride
Concen: 6.287 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD069734.D
Acq: 16 Jul 2021 19:28

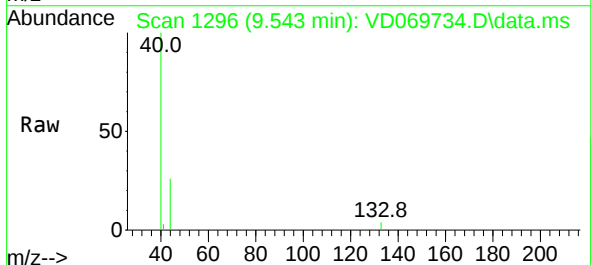
Instrument :
MSVOA_D
ClientSampled :



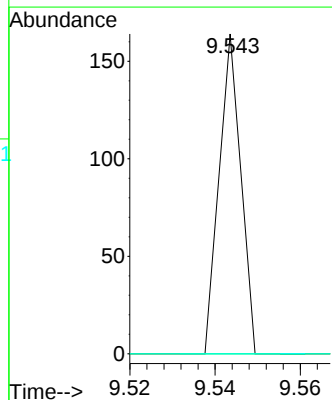
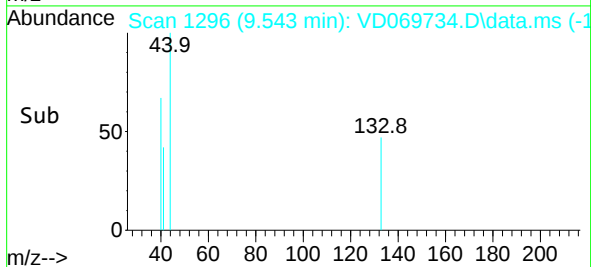
Tgt Ion:117 Resp: 12084
Ion Ratio Lower Upper
117 100
119 0.0 75.7 113.5#
121 0.0 23.0 34.6#

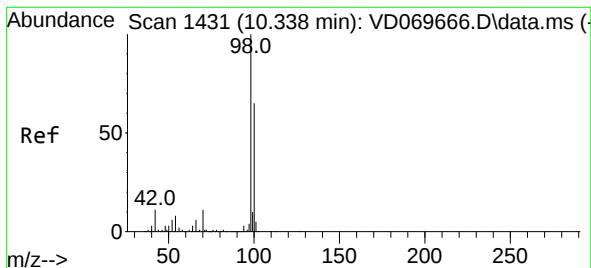


#48
Methyl methacrylate
Concen: 1.178 ug/l
RT: 9.543 min Scan# 1296
Delta R.T. 0.088 min
Lab File: VD069734.D
Acq: 16 Jul 2021 19:28



Tgt Ion: 41 Resp: 58
Ion Ratio Lower Upper
41 100
69 0.0 71.6 107.4#
39 0.0 36.7 55.1#

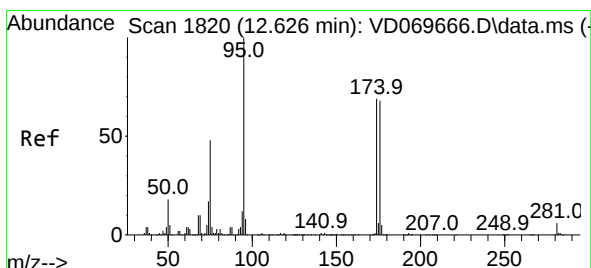
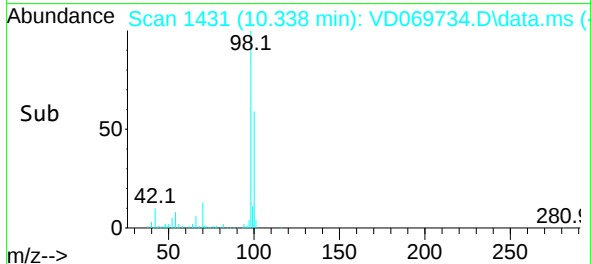
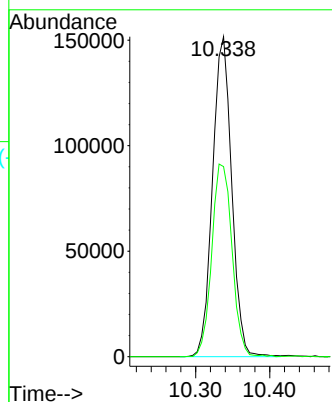
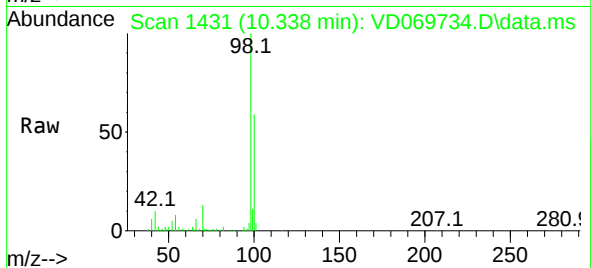




#50
Toluene-d8
Concen: 51.316 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069734.D
Acq: 16 Jul 2021 19:28

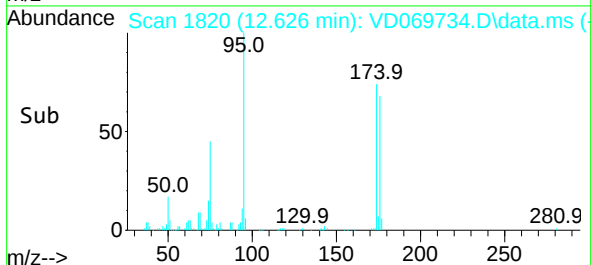
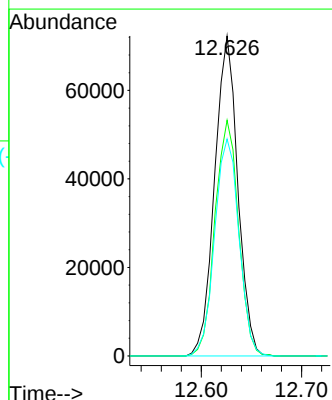
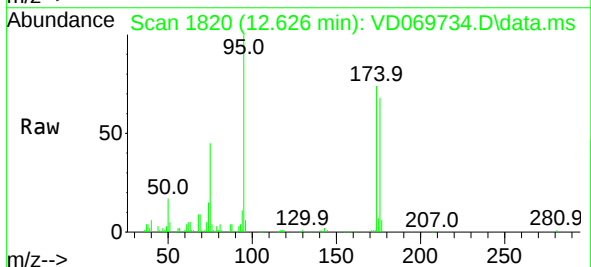
Instrument :
MSVOA_D
ClientSampled :

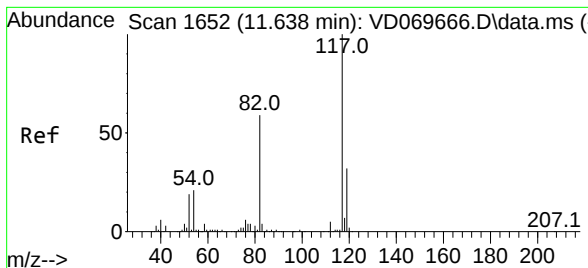
Tgt Ion: 98 Resp: 272111
Ion Ratio Lower Upper
98 100
100 63.7 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 65.669 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069734.D
Acq: 16 Jul 2021 19:28

Tgt Ion: 95 Resp: 116135
Ion Ratio Lower Upper
95 100
174 74.8 0.0 140.0
176 71.0 0.0 136.2

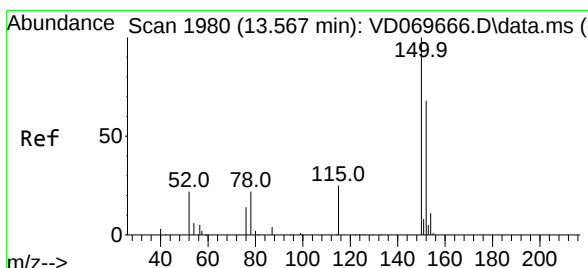
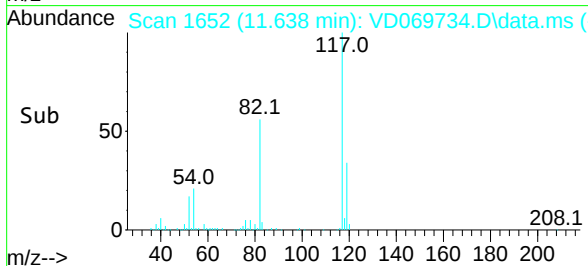
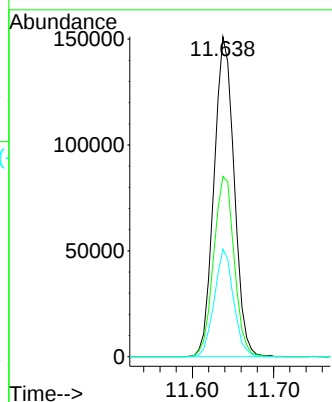
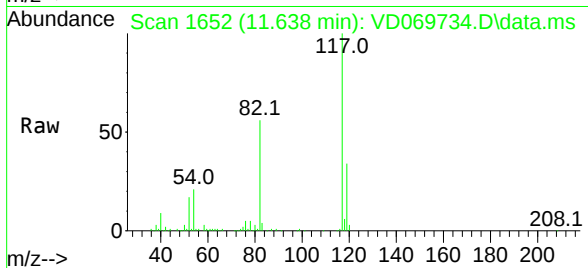




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069734.D
Acq: 16 Jul 2021 19:28

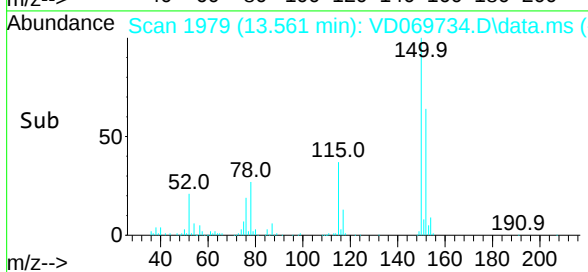
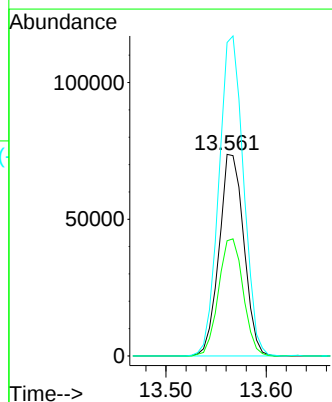
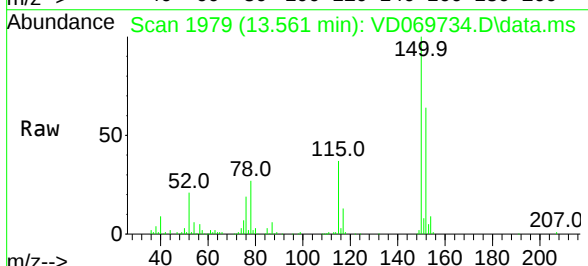
Instrument :
MSVOA_D
ClientSampleId :

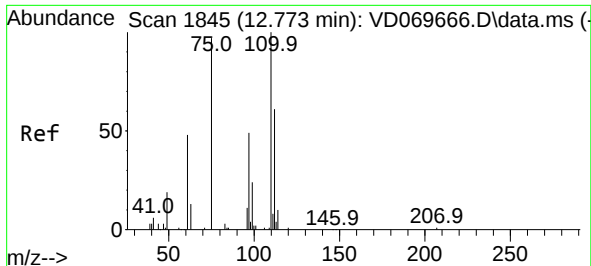
Tgt Ion:117 Resp: 260913
Ion Ratio Lower Upper
117 100
82 56.3 47.4 71.2
119 33.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD069734.D
Acq: 16 Jul 2021 19:28

Tgt Ion:152 Resp: 126259
Ion Ratio Lower Upper
152 100
115 57.8 31.7 95.1
150 158.3 0.0 350.4

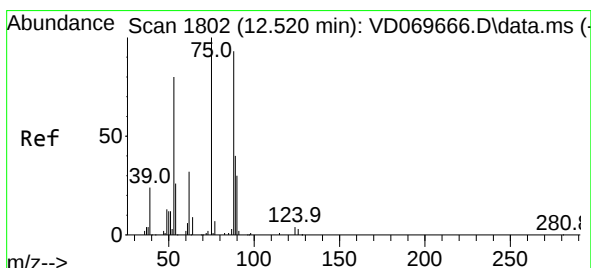
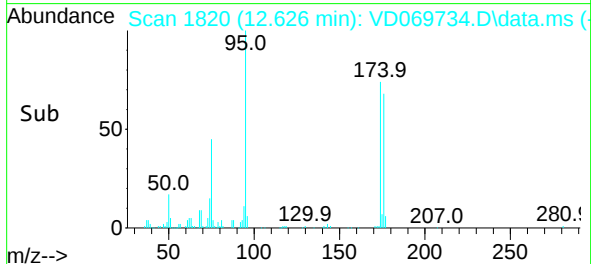
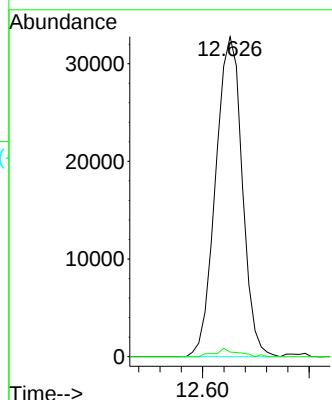
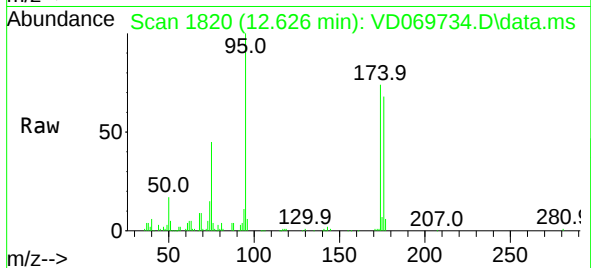




#76
1,2,3-Trichloropropane
Concen: 46.264 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069734.D
Acq: 16 Jul 2021 19:28

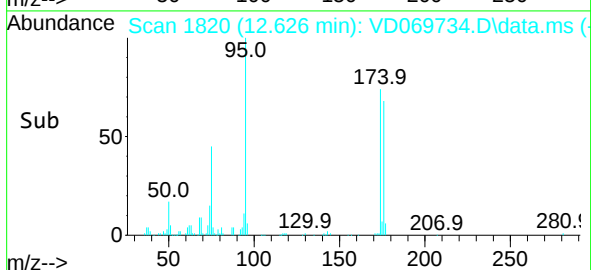
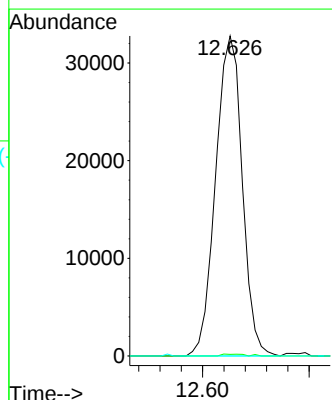
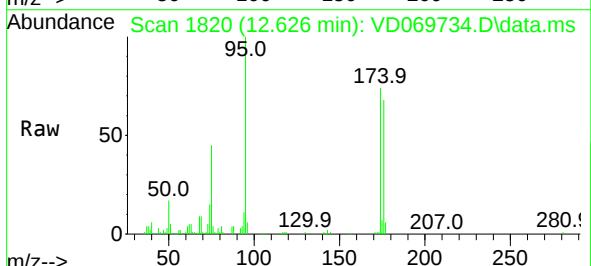
Instrument :
MSVOA_D
ClientSampleId :

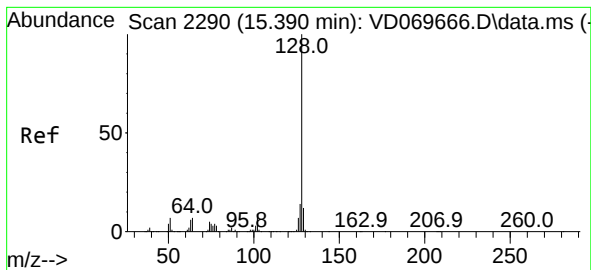
Tgt Ion: 75 Resp: 56746
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.332 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069734.D
Acq: 16 Jul 2021 19:28

Tgt Ion: 75 Resp: 56746
Ion Ratio Lower Upper
75 100
53 0.5 70.6 106.0#
89 0.0 35.1 52.7#





#95
Naphthalene
Concen: 2.223 ug/l
RT: 15.378 min Scan# 2288
Delta R.T. -0.012 min
Lab File: VD069734.D
Acq: 16 Jul 2021 19:28

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 74
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

