

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080321\
 Data File : VD069973.D
 Acq On : 03 Aug 2021 18:33
 Operator : VA/SY
 Sample : M3256-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 01:33:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

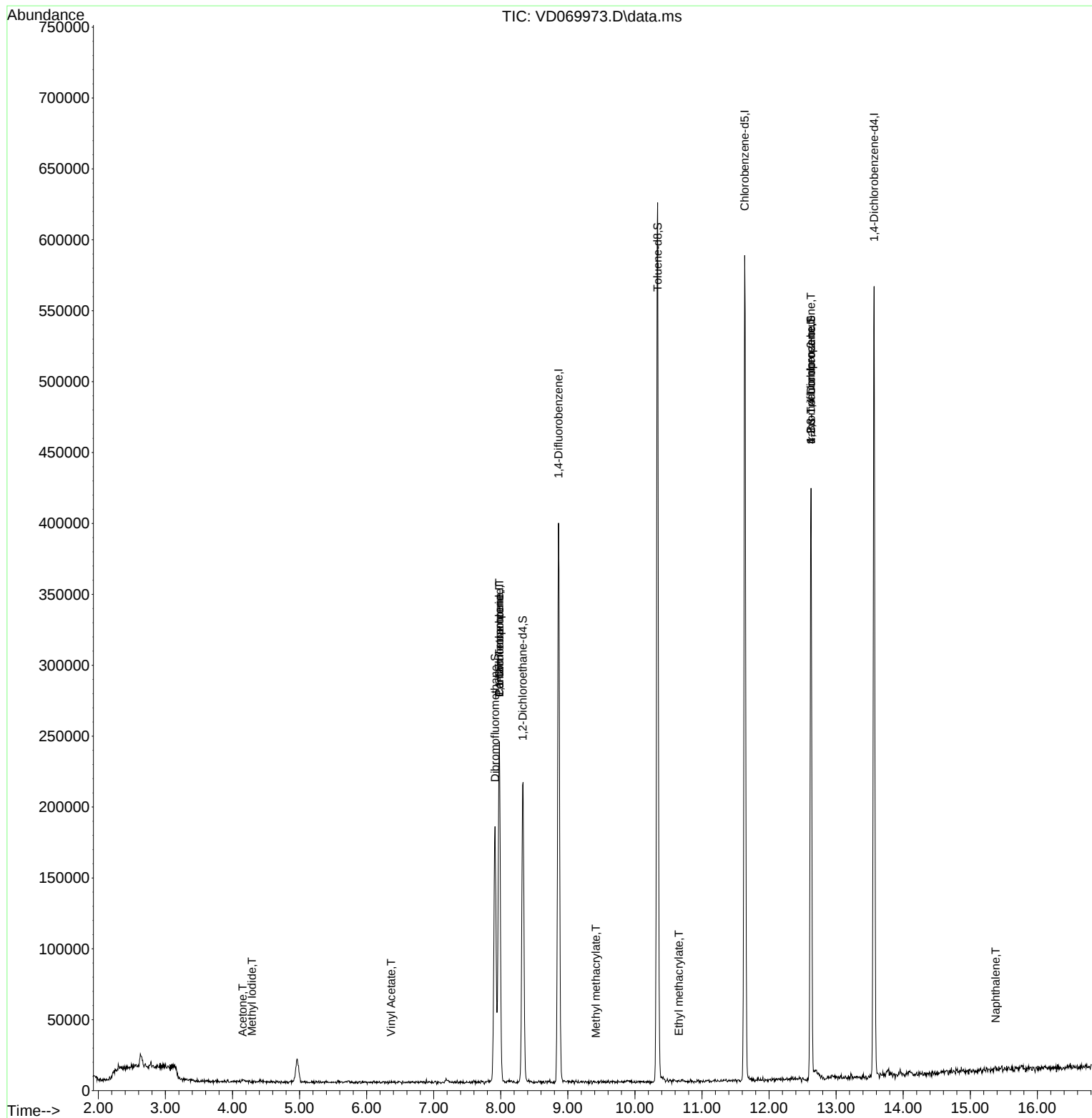
Internal Standards						
1) Pentafluorobenzene	7.979	168	172369	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	333197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	346894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	145979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	166683	84.081	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 168.160%#			
35) Dibromofluoromethane	7.914	113	131920	62.805	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 125.600%			
50) Toluene-d8	10.338	98	429209	52.993	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.980%			
62) 4-Bromofluorobenzene	12.626	95	144713	53.463	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.920%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	1525	Below Cal	#	59
10) Methyl Iodide	4.291	142	196	3.548	ug/l #	72
16) Acetone	4.150	43	2599	7.257	ug/l #	73
20) Methylene Chloride	4.956	84	13009	Below Cal		88
23) Vinyl Acetate	6.367	43	56	20.364	ug/l #	71
36) 1,1-Dichloropropene	7.979	75	14556	4.048	ug/l #	48
38) Carbon Tetrachloride	7.979	117	18849	5.739	ug/l #	18
48) Methyl methacrylate	9.420	41	92	2.816	ug/l #	13
56) Ethyl methacrylate	10.655	69	100	3.935	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	70448	45.402	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	70448	137.738	ug/l #	16
95) Naphthalene	15.379	128	72	5.012	ug/l #	1

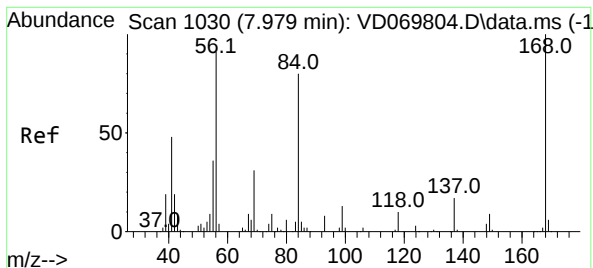
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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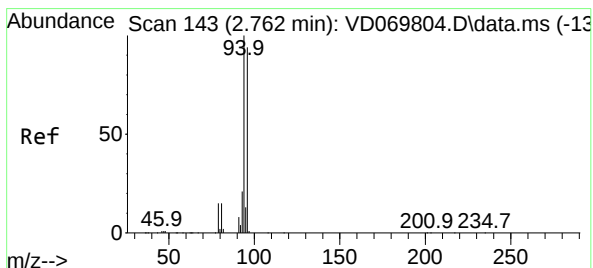
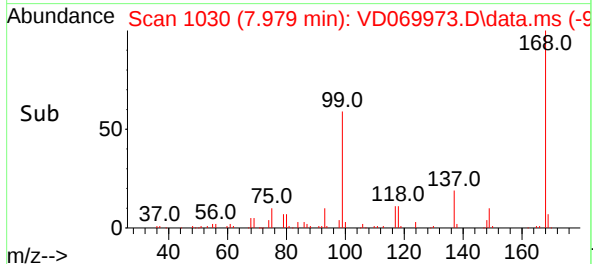
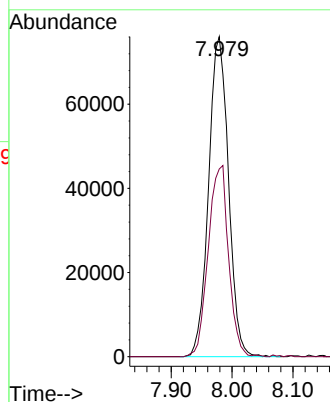
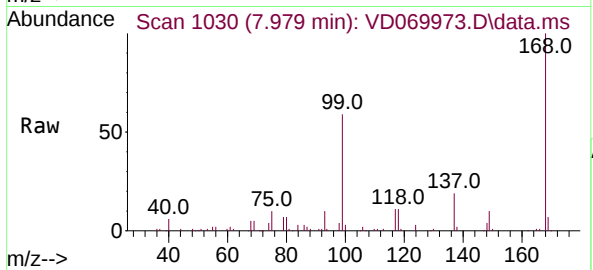




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069973.D
Acq: 03 Aug 2021 18:33

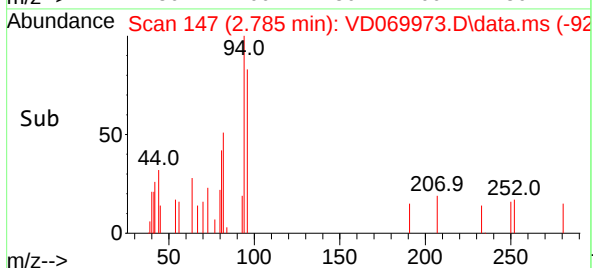
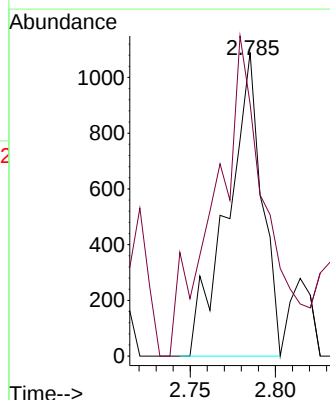
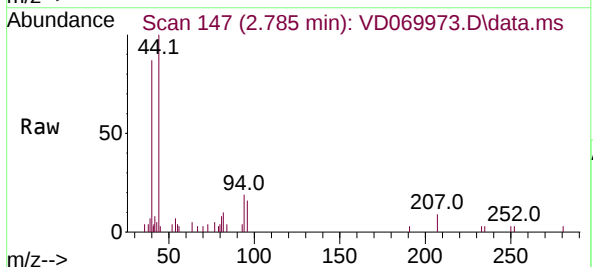
Instrument :
MSVOA_D
ClientSampleId :

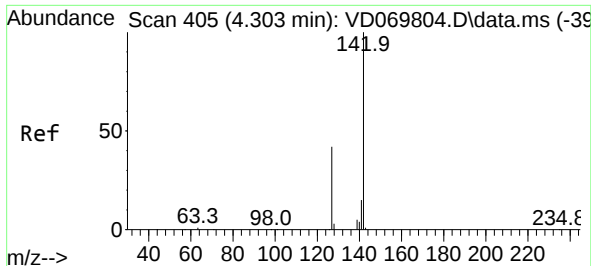
Tgt Ion:168 Resp: 172369
Ion Ratio Lower Upper
168 100
99 58.6 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD069973.D
Acq: 03 Aug 2021 18:33

Tgt Ion: 94 Resp: 1525
Ion Ratio Lower Upper
94 100
96 54.1 74.8 112.2#

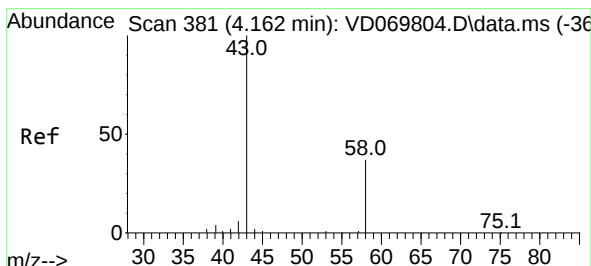
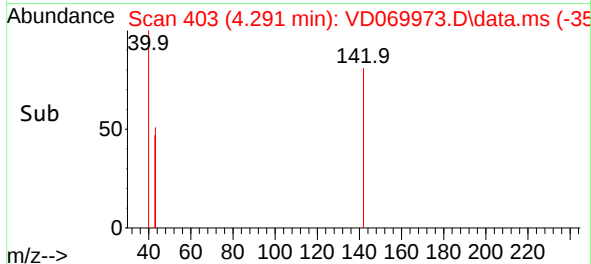
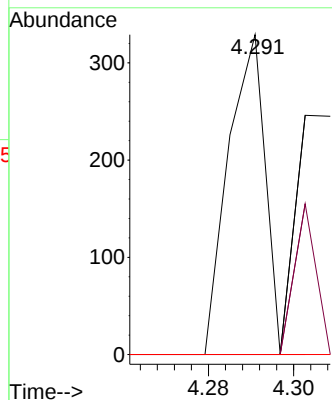
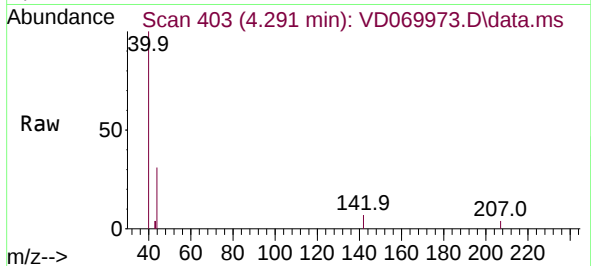




#10
Methyl Iodide
Concen: 3.548 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD069973.D
Acq: 03 Aug 2021 18:33

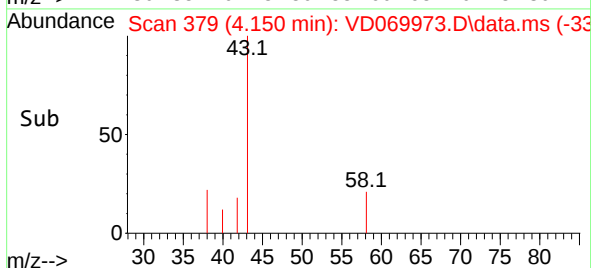
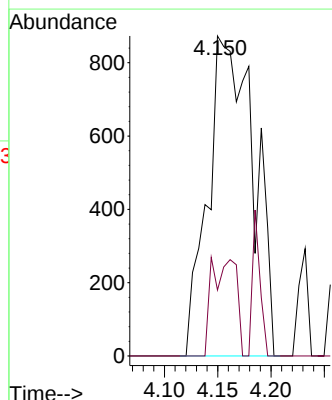
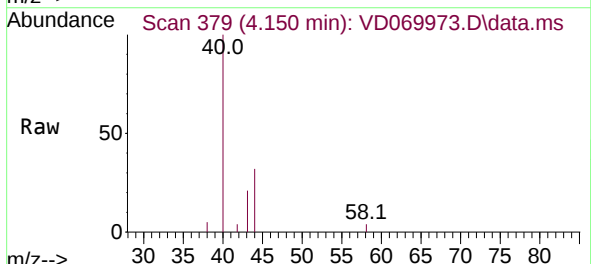
Instrument :
MSVOA_D
ClientSampled :

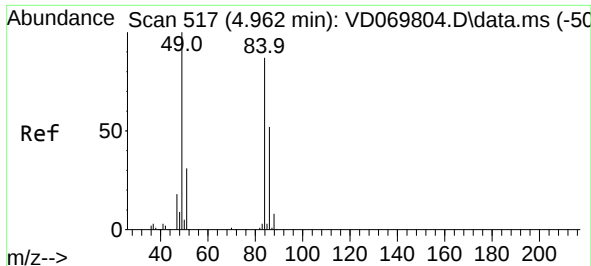
Tgt Ion:142 Resp: 196
Ion Ratio Lower Upper
142 100
127 28.1 35.7 53.5#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 7.257 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.012 min
Lab File: VD069973.D
Acq: 03 Aug 2021 18:33

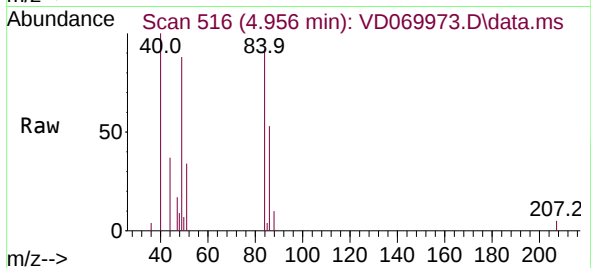
Tgt Ion: 43 Resp: 2599
Ion Ratio Lower Upper
43 100
58 20.6 29.4 44.0#



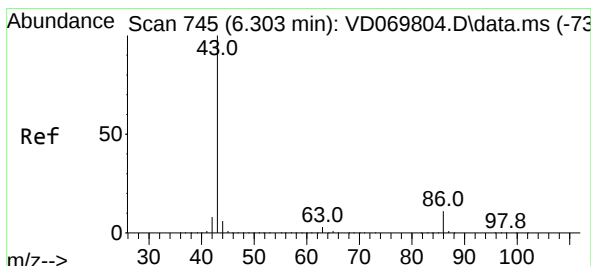
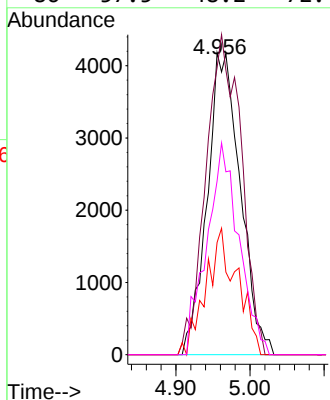
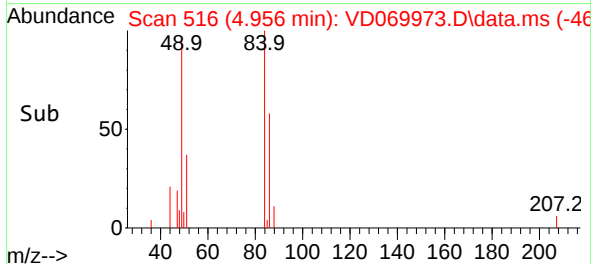


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD069973.D
Acq: 03 Aug 2021 18:33

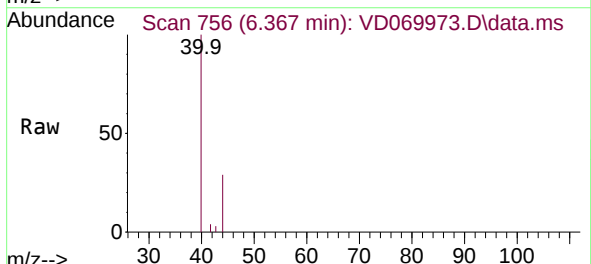
Instrument :
MSVOA_D
ClientSampleId :



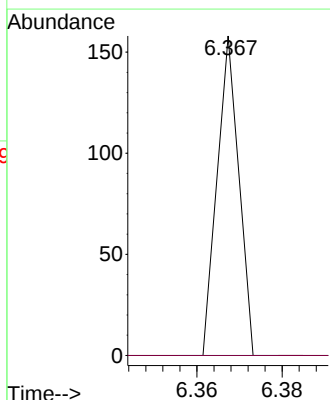
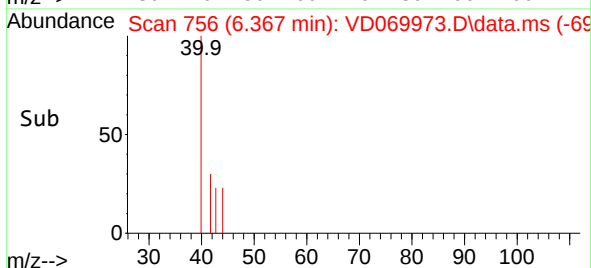
Tgt Ion:	84	Resp:	13009
Ion	Ratio	Lower	Upper
84	100		
49	95.1	92.4	138.6
51	37.1	28.5	42.7
86	57.5	48.2	72.4

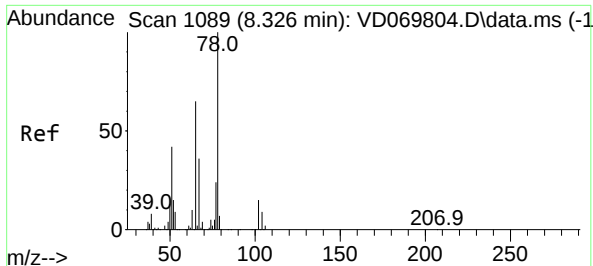


#23
Vinyl Acetate
Concen: 20.364 ug/l
RT: 6.367 min Scan# 756
Delta R.T. 0.064 min
Lab File: VD069973.D
Acq: 03 Aug 2021 18:33



Tgt Ion:	43	Resp:	56
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#

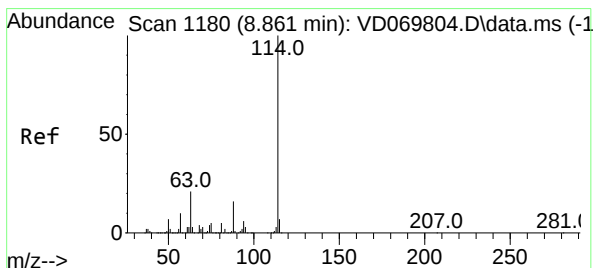
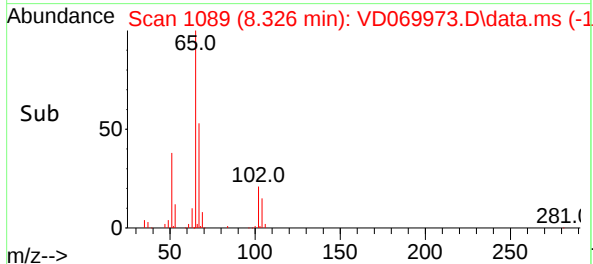
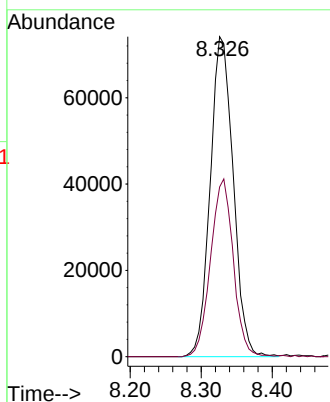
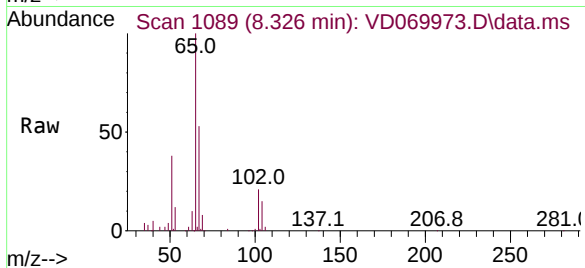




#33
1,2-Dichloroethane-d4
Concen: 84.081 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069973.D
Acq: 03 Aug 2021 18:33

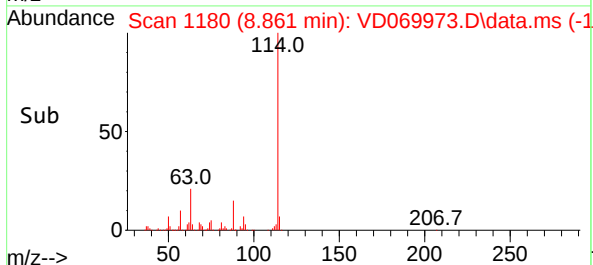
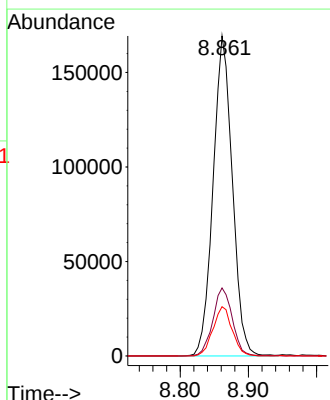
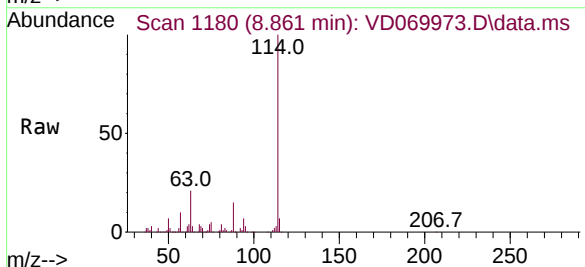
Instrument :
MSVOA_D
ClientSampleId :

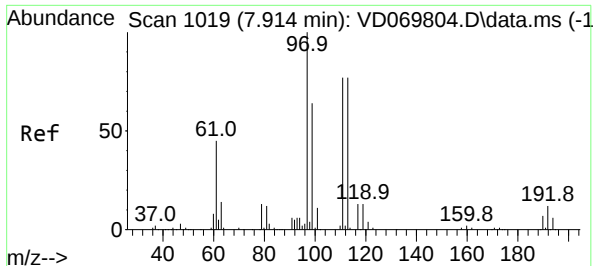
Tgt Ion: 65 Resp: 166683
Ion Ratio Lower Upper
65 100
67 54.8 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069973.D
Acq: 03 Aug 2021 18:33

Tgt Ion:114 Resp: 333197
Ion Ratio Lower Upper
114 100
63 21.2 0.0 41.6
88 15.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 62.805 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069973.D

Acq: 03 Aug 2021 18:33

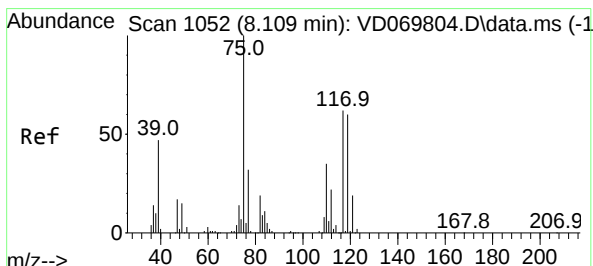
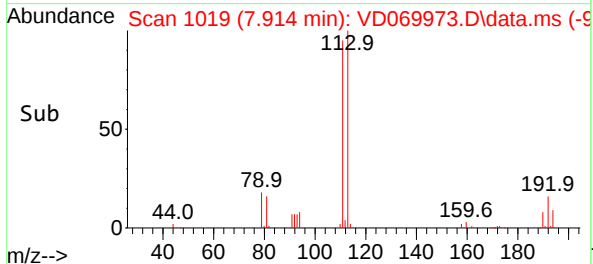
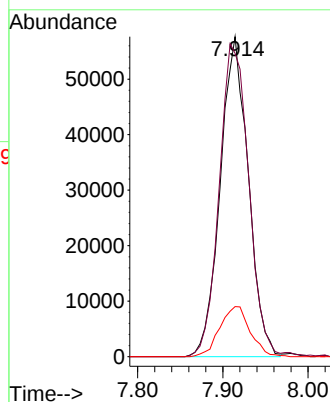
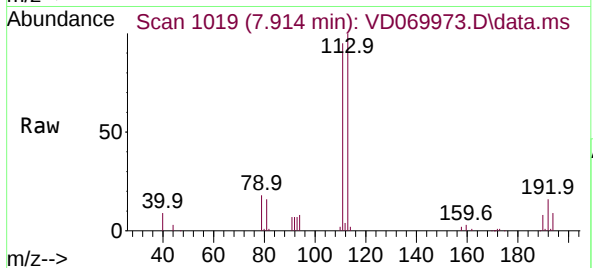
Tgt Ion:113 Resp: 131920

Ion Ratio Lower Upper

113 100

111 103.5 80.5 120.7

192 17.0 12.6 19.0



#36

1,1-Dichloropropene

Concen: 4.048 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD069973.D

Acq: 03 Aug 2021 18:33

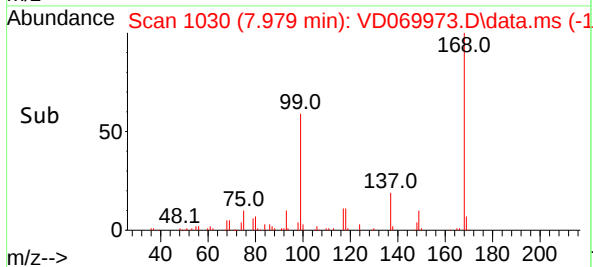
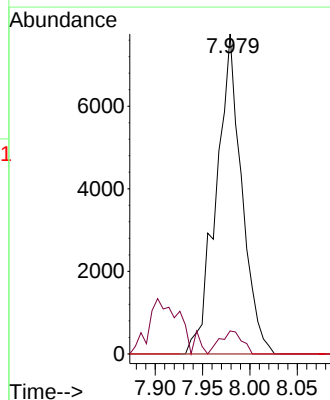
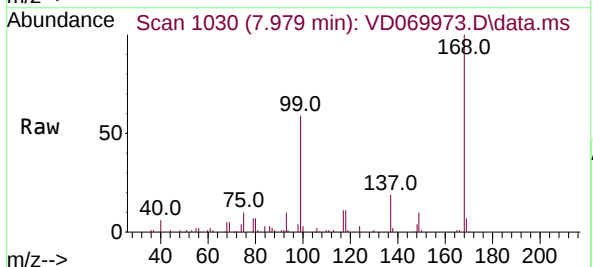
Tgt Ion: 75 Resp: 14556

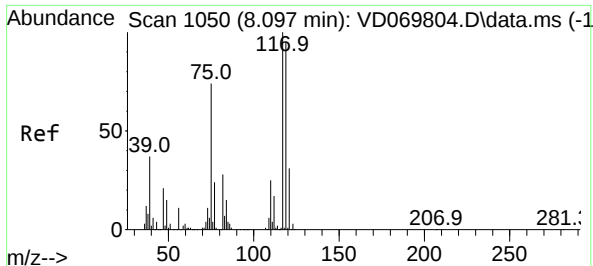
Ion Ratio Lower Upper

75 100

110 6.2 16.9 50.7#

77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.739 ug/l

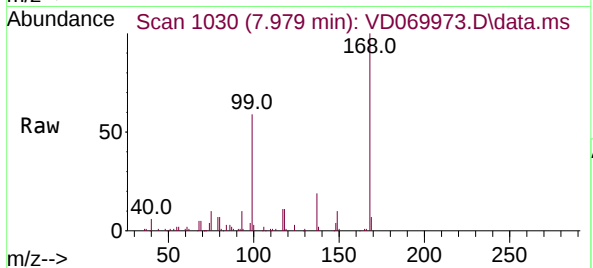
RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

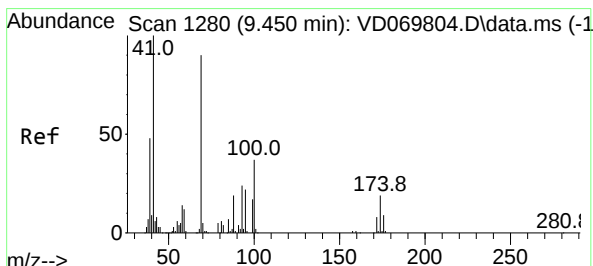
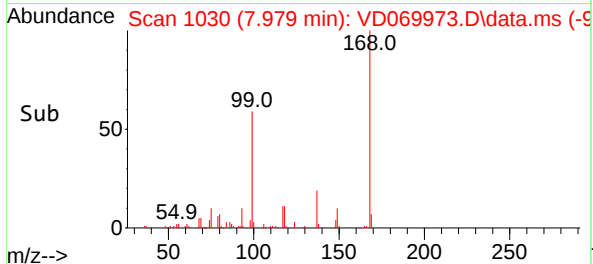
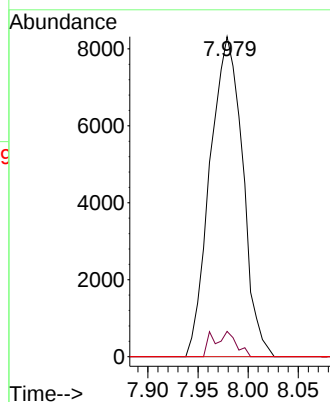
Lab File: VD069973.D

Acq: 03 Aug 2021 18:33

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	117	Resp:	18849
Ion	Ratio	Lower	Upper
117	100		
119	7.9	76.2	114.2#
121	0.0	24.5	36.7#



#48

Methyl methacrylate

Concen: 2.816 ug/l

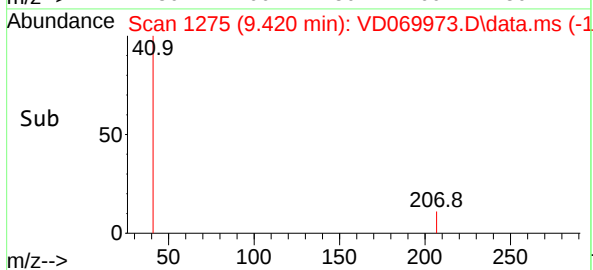
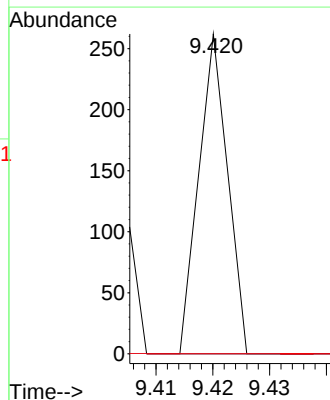
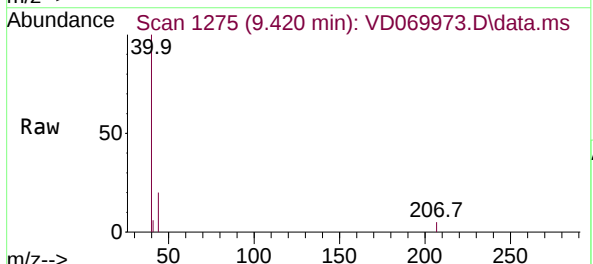
RT: 9.420 min Scan# 1275

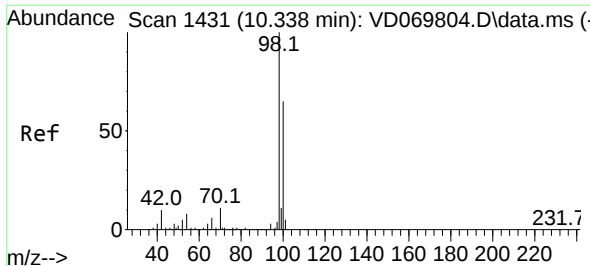
Delta R.T. -0.030 min

Lab File: VD069973.D

Acq: 03 Aug 2021 18:33

Tgt Ion:	41	Resp:	92
Ion	Ratio	Lower	Upper
41	100		
69	0.0	73.4	110.2#
39	0.0	36.6	55.0#

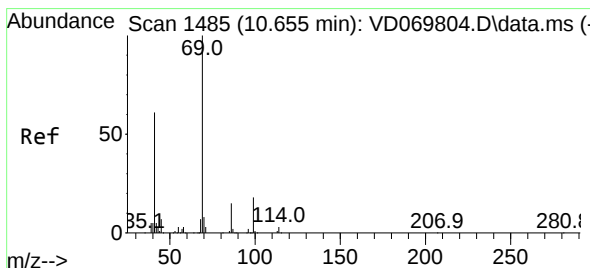
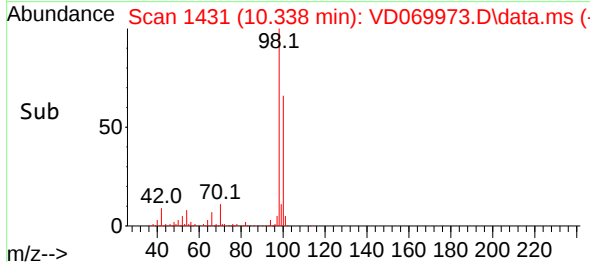
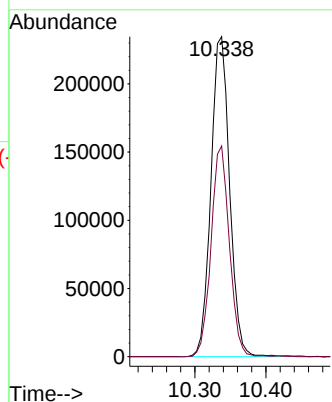
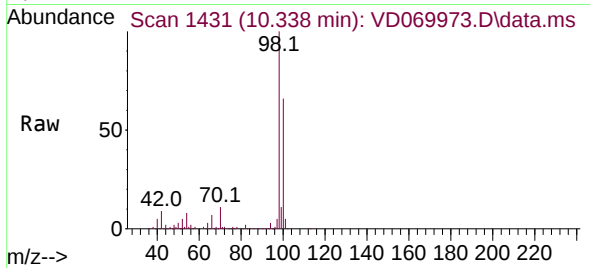




#50
Toluene-d8
Concen: 52.993 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069973.D
Acq: 03 Aug 2021 18:33

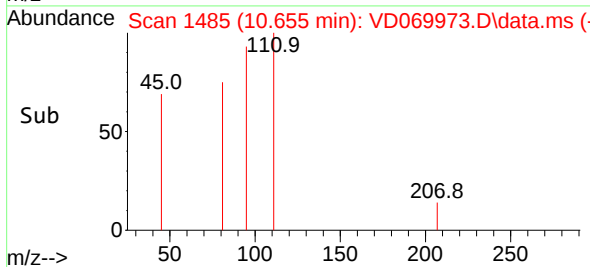
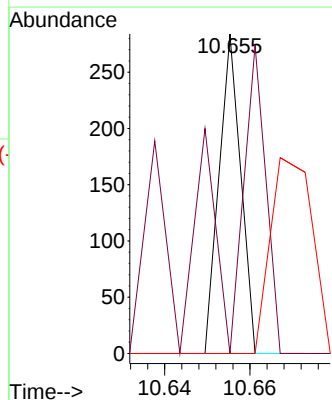
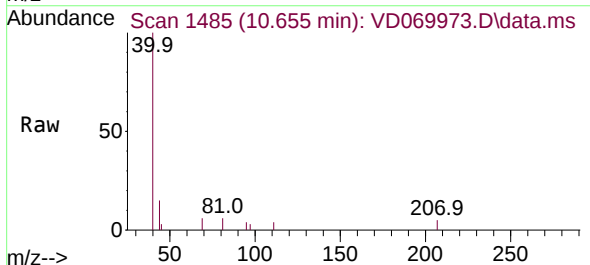
Instrument :
MSVOA_D
ClientSampleId :

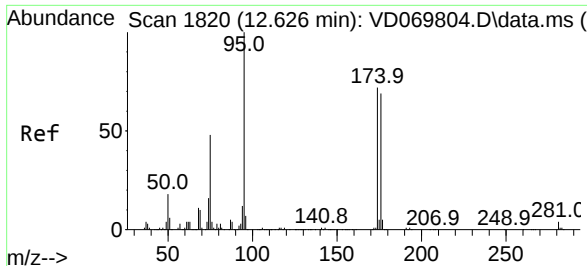
Tgt Ion: 98 Resp: 429209
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.935 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD069973.D
Acq: 03 Aug 2021 18:33

Tgt Ion: 69 Resp: 100
Ion Ratio Lower Upper
69 100
41 71.0 50.2 75.2
39 118.0 22.0 33.0#

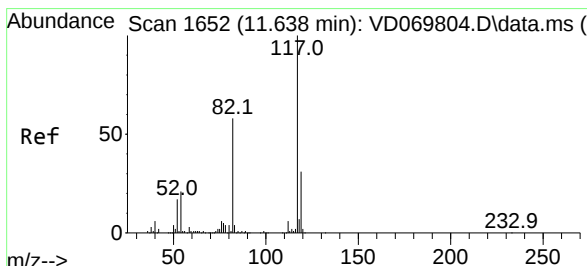
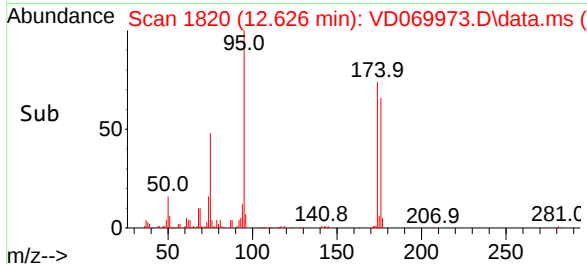
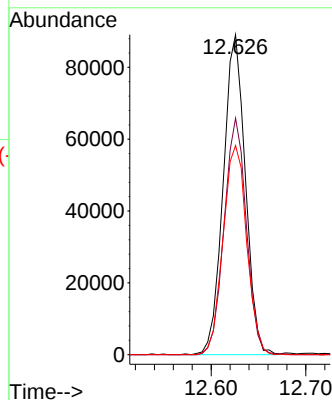
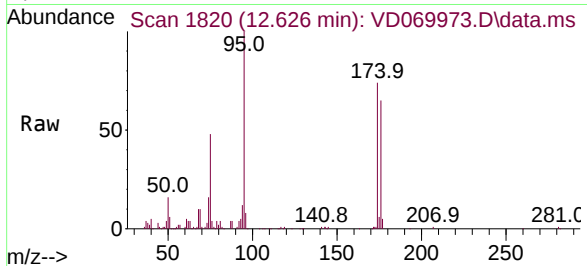




#62
4-Bromofluorobenzene
Concen: 53.463 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069973.D
Acq: 03 Aug 2021 18:33

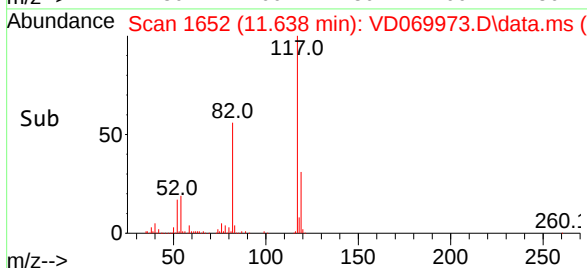
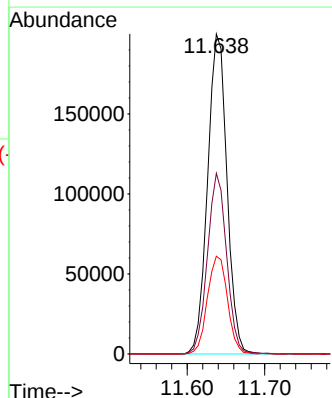
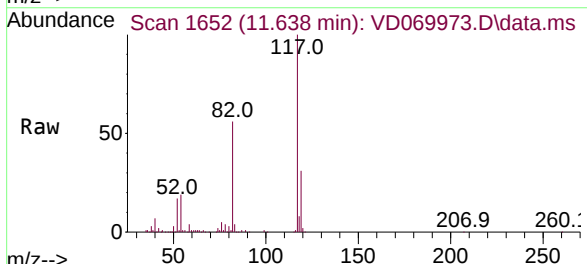
Instrument :
MSVOA_D
ClientSampleId :

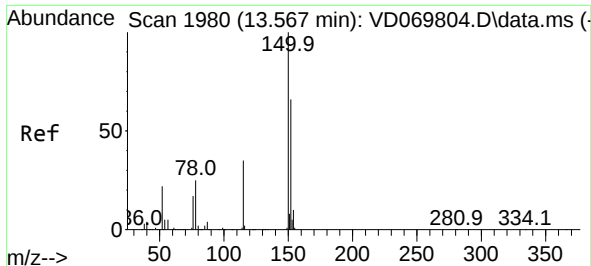
Tgt Ion: 95 Resp: 144713
Ion Ratio Lower Upper
95 100
174 74.0 0.0 142.6
176 69.7 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069973.D
Acq: 03 Aug 2021 18:33

Tgt Ion: 117 Resp: 346894
Ion Ratio Lower Upper
117 100
82 56.4 46.3 69.5
119 30.6 24.7 37.1

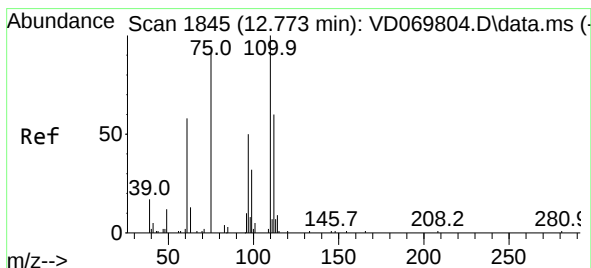
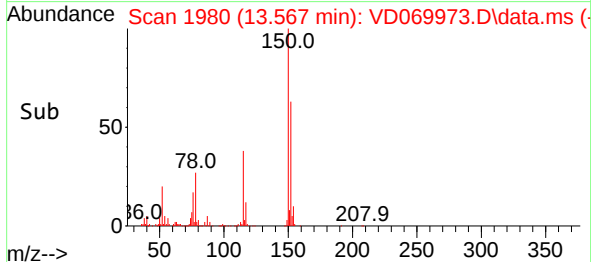
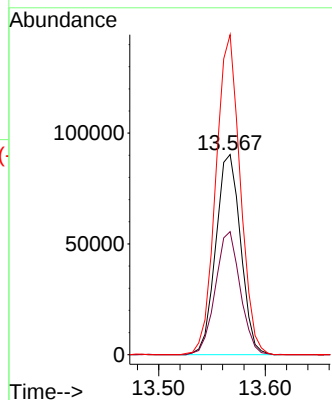
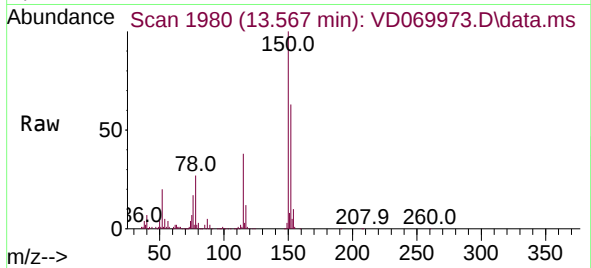




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069973.D
 Acq: 03 Aug 2021 18:33

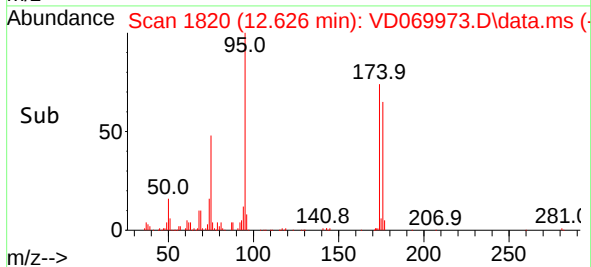
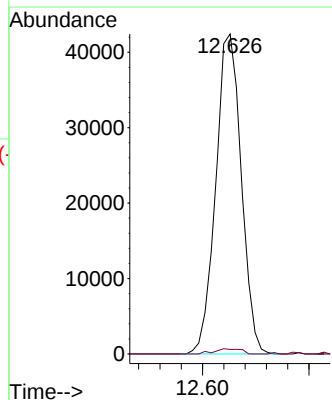
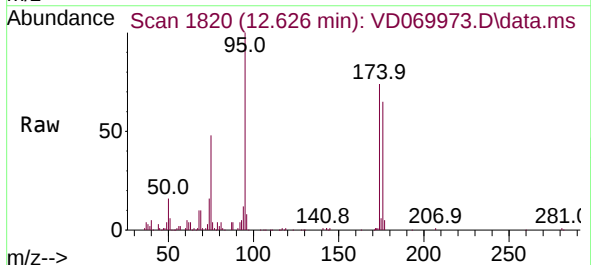
Instrument :
 MSVOA_D
 ClientSampled :

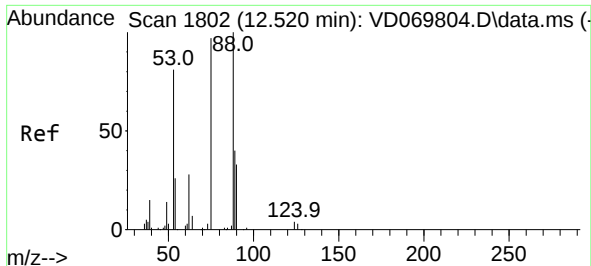
Tgt Ion:152 Resp: 145979
 Ion Ratio Lower Upper
 152 100
 115 61.5 31.1 93.3
 150 156.9 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 45.402 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069973.D
 Acq: 03 Aug 2021 18:33

Tgt Ion: 75 Resp: 70448
 Ion Ratio Lower Upper
 75 100
 77 1.7 181.5 544.5#

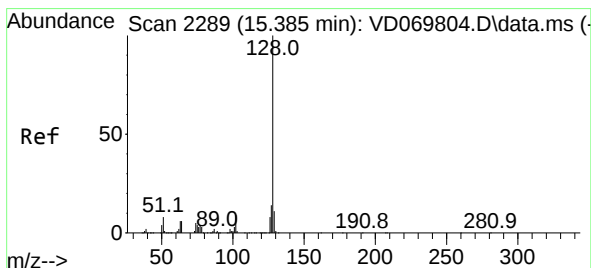
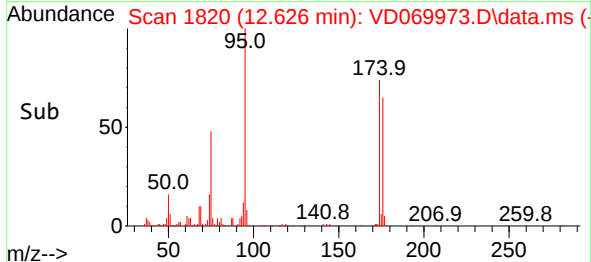
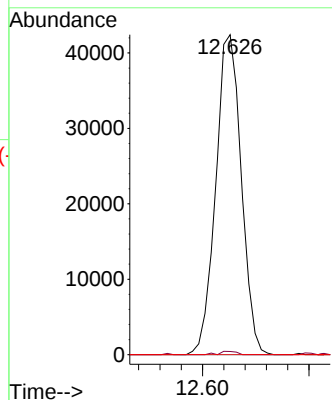
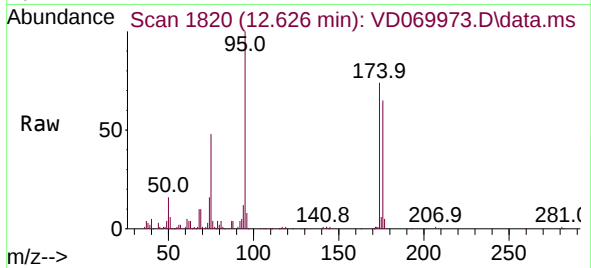




#81
trans-1,4-Dichloro-2-butene
Concen: 137.738 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069973.D
Acq: 03 Aug 2021 18:33

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 70448
Ion Ratio Lower Upper
75 100
53 0.7 67.2 100.8#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 5.012 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD069973.D
Acq: 03 Aug 2021 18:33

Tgt Ion:128 Resp: 72
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 330.6 8.6 12.8#

