

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072621\
 Data File : VD069842.D
 Acq On : 26 Jul 2021 12:08
 Operator : VA/SY
 Sample : VD0726SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 27 05:08:58 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)

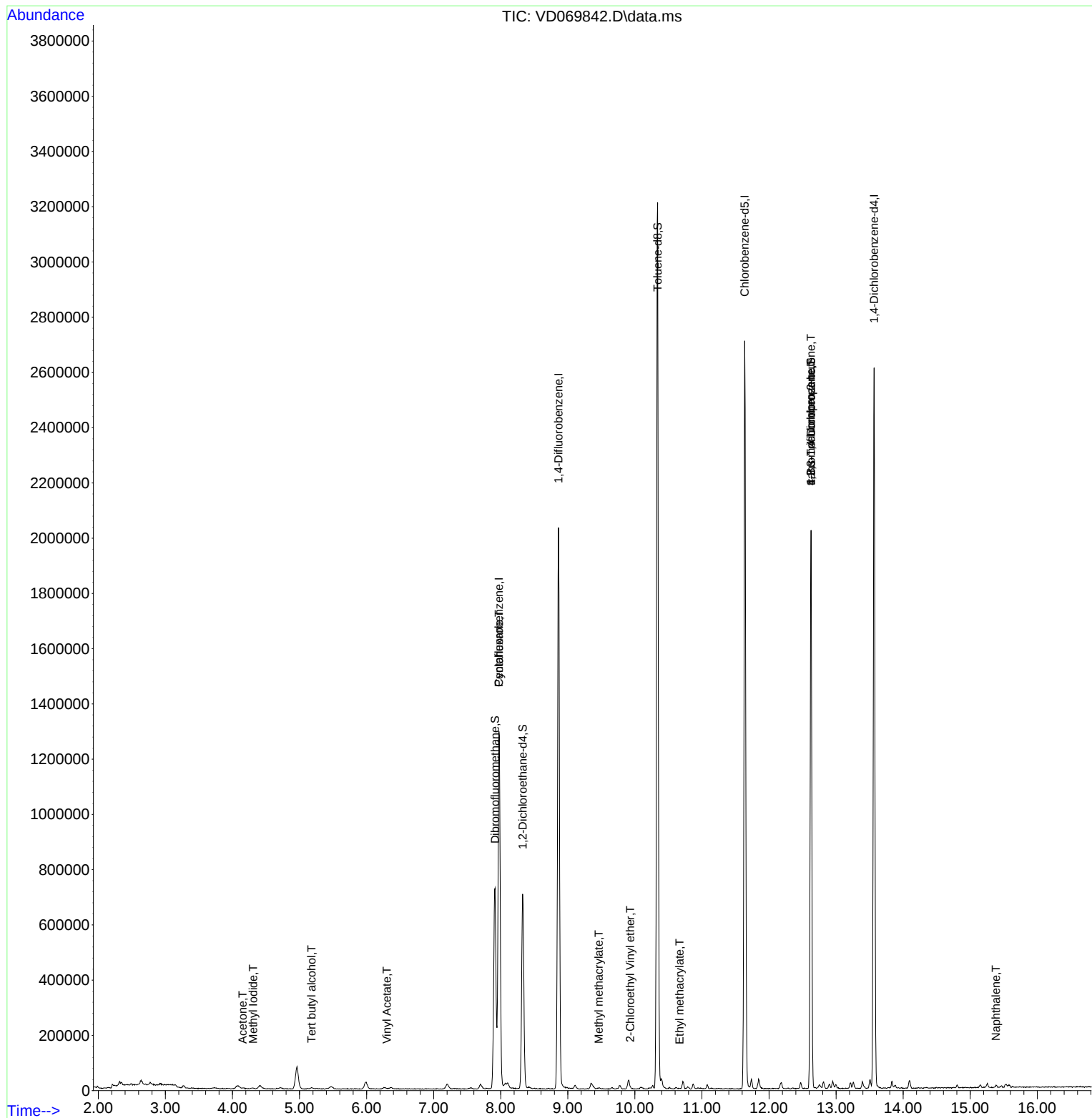
Internal Standards						
1) Pentafluorobenzene	7.973	168	893431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1703418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1576774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	681126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	561070	54.604	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.200%	
35) Dibromofluoromethane	7.914	113	546452	50.888	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.780%	
50) Toluene-d8	10.338	98	2178849	52.621	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.240%	
62) 4-Bromofluorobenzene	12.626	95	706183	51.032	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.060%	
Target Compounds						Qvalue
5) Bromomethane	2.774	94	6966	Below Cal	95	
10) Methyl Iodide	4.309	142	5310	3.907	ug/l #	40
11) Tert butyl alcohol	5.179	59	3508	6.598	ug/l #	73
16) Acetone	4.150	43	6475	3.488	ug/l #	72
20) Methylene Chloride	4.962	84	61694	Below Cal	95	
23) Vinyl Acetate	6.303	43	2661	20.486	ug/l #	79
31) Cyclohexane	7.973	56	28712	1.430	ug/l #	16
48) Methyl methacrylate	9.461	41	419	2.809	ug/l #	36
56) Ethyl methacrylate	10.667	69	1099	3.980	ug/l #	87
58) 2-Chloroethyl Vinyl ether	9.932	63	1419	21.116	ug/l	96
76) 1,2,3-Trichloropropane	12.626	75	346390	47.845	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	346390	145.149	ug/l #	16
95) Naphthalene	15.385	128	6964	5.280	ug/l	99

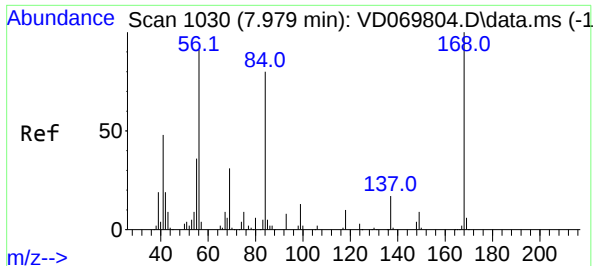
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 27 05:08:58 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
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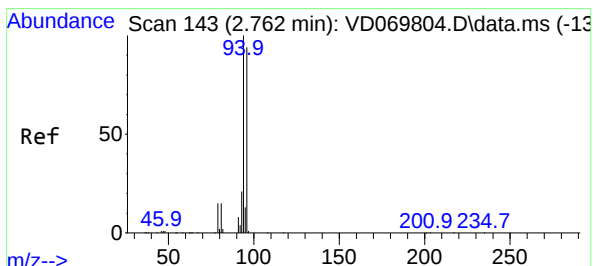
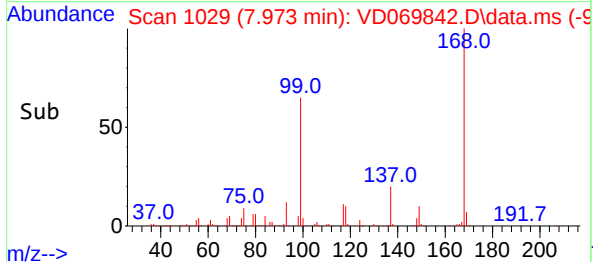
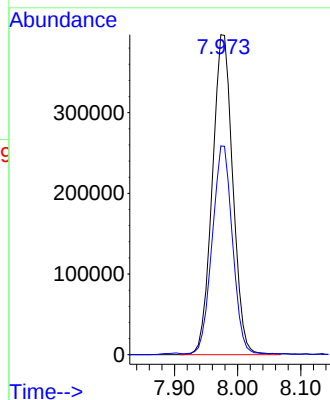
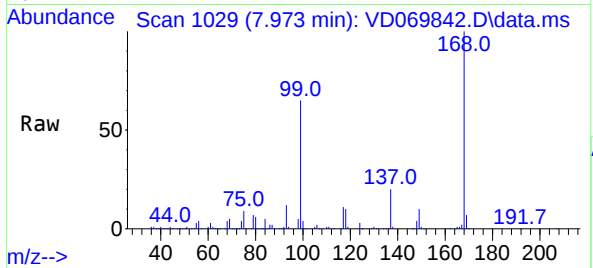




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD069842.D
Acq: 26 Jul 2021 12:08

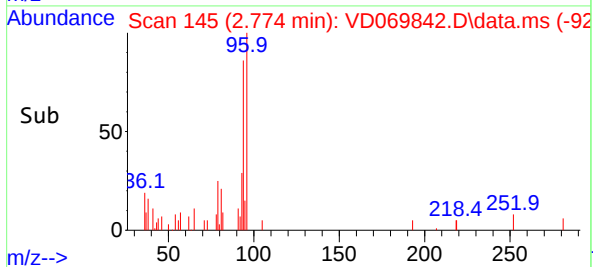
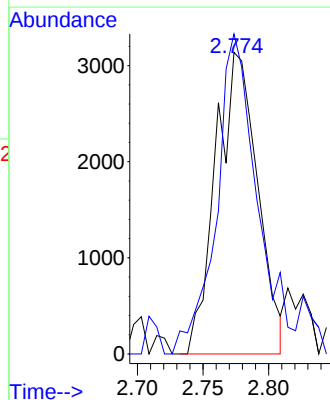
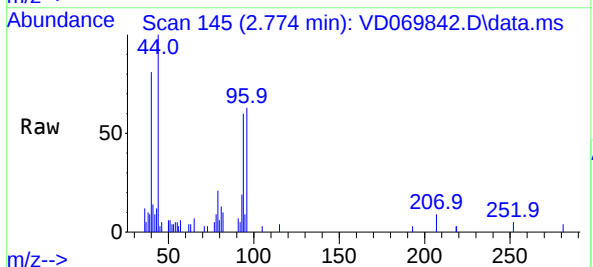
Instrument :
MSVOA_D
ClientSampleId :

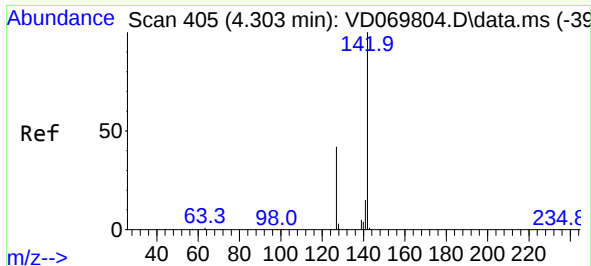
Tgt Ion:168 Resp: 893431
Ion Ratio Lower Upper
168 100
99 65.0 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.012 min
Lab File: VD069842.D
Acq: 26 Jul 2021 12:08

Tgt Ion: 94 Resp: 6966
Ion Ratio Lower Upper
94 100
96 98.4 74.8 112.2

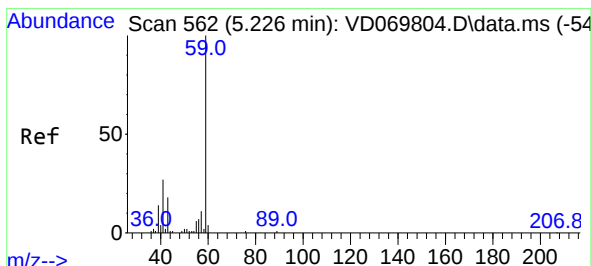
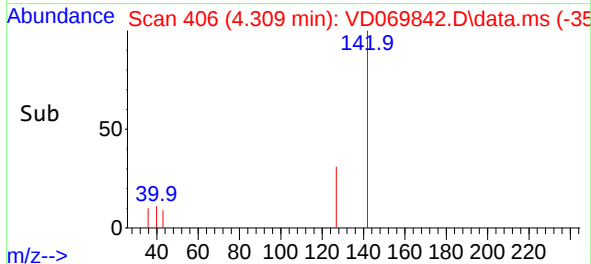
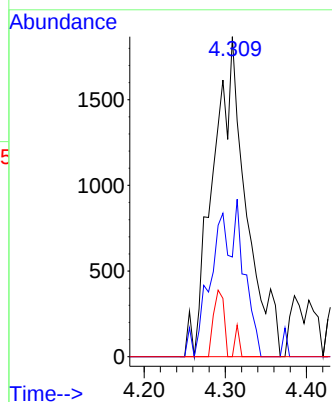
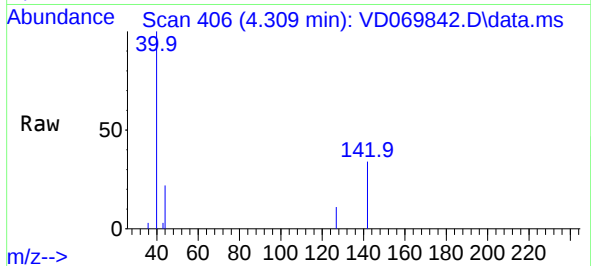




#10
Methyl Iodide
Concen: 3.907 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD069842.D
Acq: 26 Jul 2021 12:08

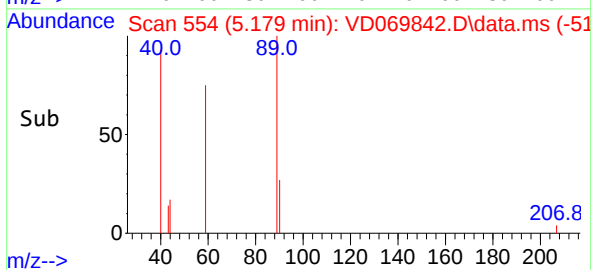
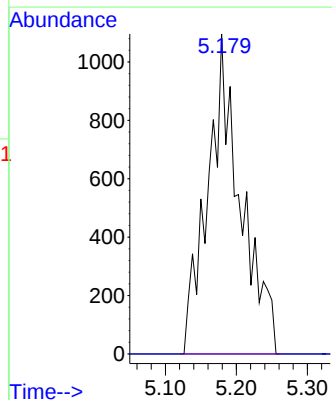
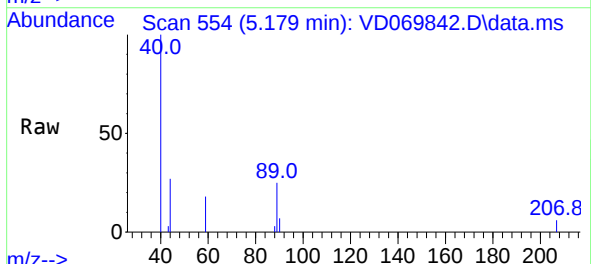
Instrument :
MSVOA_D
ClientSampled :

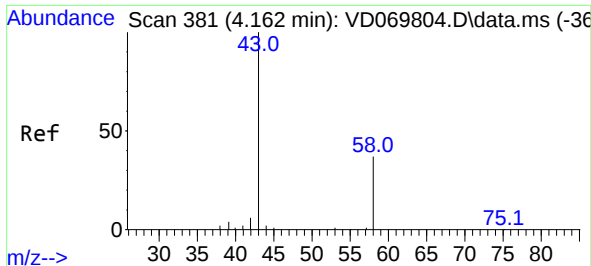
Tgt Ion:142 Resp: 5310
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 1.2 12.0 18.0#



#11
Tert butyl alcohol
Concen: 6.598 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.047 min
Lab File: VD069842.D
Acq: 26 Jul 2021 12:08

Tgt Ion: 59 Resp: 3508
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

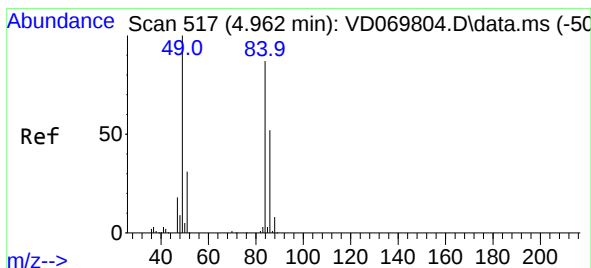
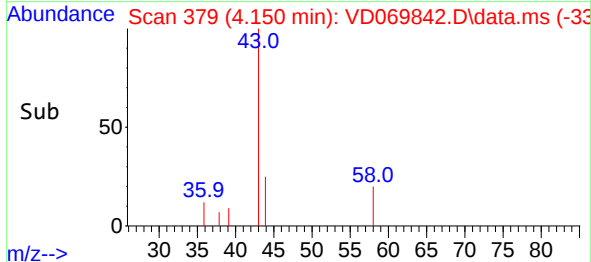
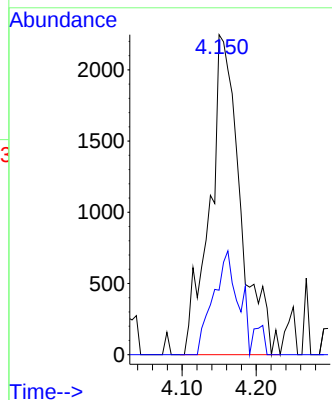
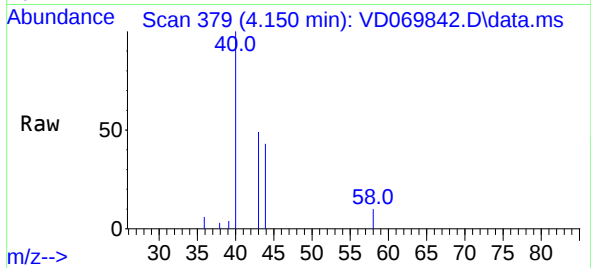




#16
Acetone
Concen: 3.488 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.012 min
Lab File: VD069842.D
Acq: 26 Jul 2021 12:08

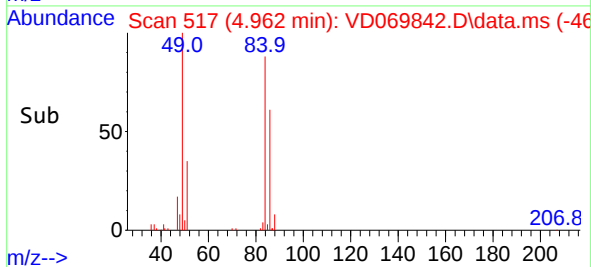
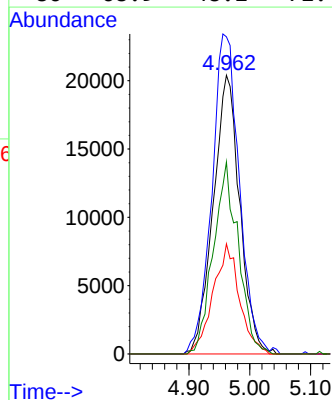
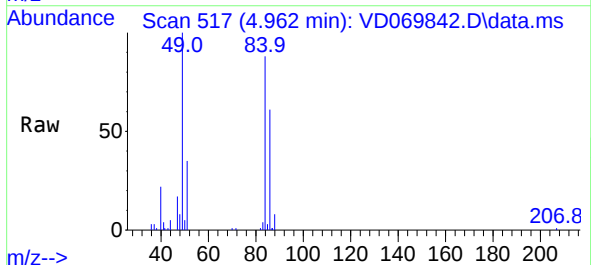
Instrument :
MSVOA_D
ClientSampled :

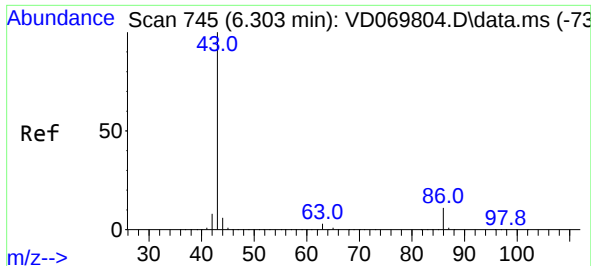
Tgt Ion: 43 Resp: 6475
Ion Ratio Lower Upper
43 100
58 20.2 29.4 44.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069842.D
Acq: 26 Jul 2021 12:08

Tgt Ion: 84 Resp: 61694
Ion Ratio Lower Upper
84 100
49 113.8 92.4 138.6
51 39.5 28.5 42.7
86 68.9 48.2 72.4

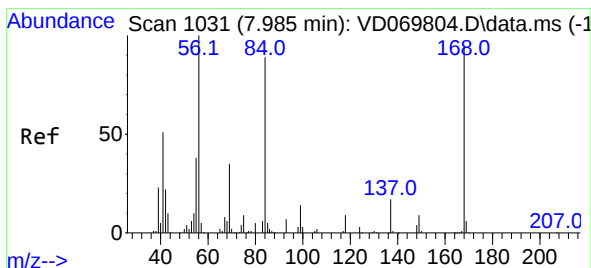
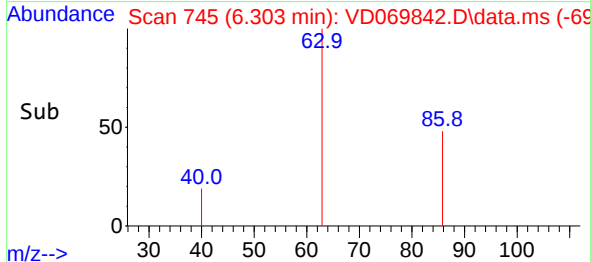
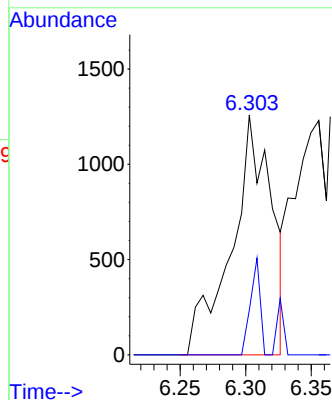
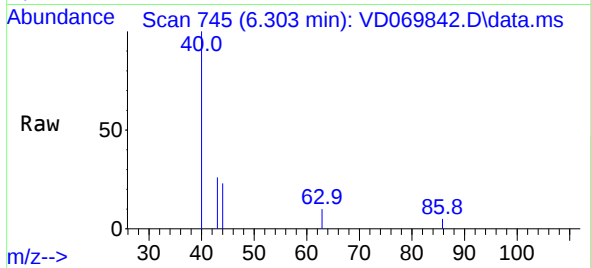




#23
 Vinyl Acetate
 Concen: 20.486 ug/l
 RT: 6.303 min Scan# 745
 Delta R.T. -0.000 min
 Lab File: VD069842.D
 Acq: 26 Jul 2021 12:08

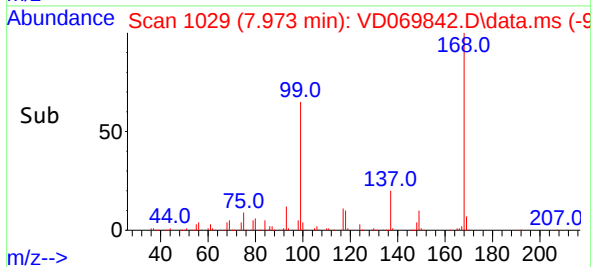
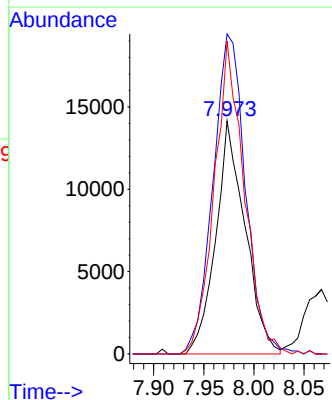
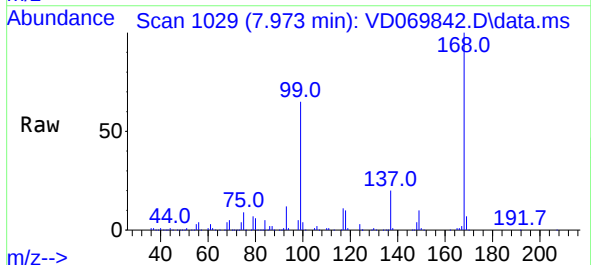
Instrument :
 MSVOA_D
 ClientSampled :

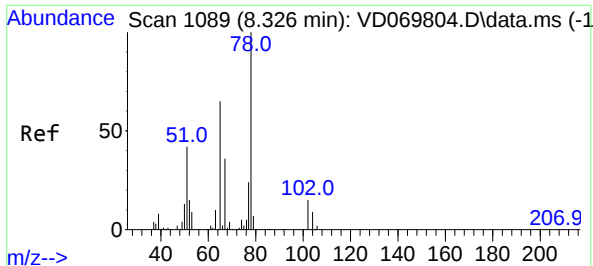
Tgt Ion: 43 Resp: 2661
 Ion Ratio Lower Upper
 43 100
 86 18.7 8.6 13.0#



#31
 Cyclohexane
 Concen: 1.430 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD069842.D
 Acq: 26 Jul 2021 12:08

Tgt Ion: 56 Resp: 28712
 Ion Ratio Lower Upper
 56 100
 69 137.4 27.9 41.9#
 84 134.3 71.4 107.2#

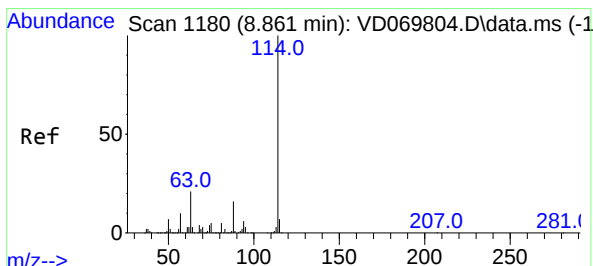
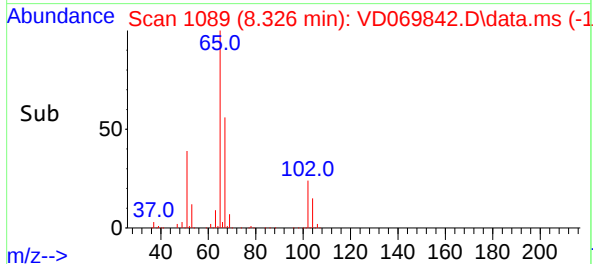
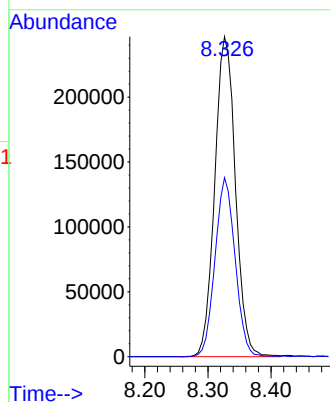
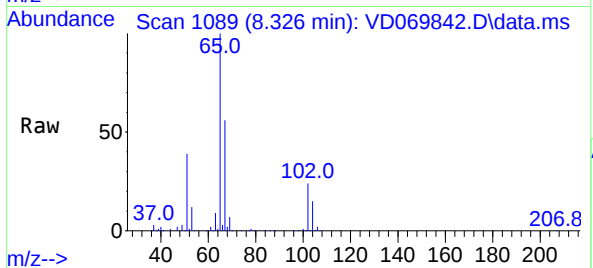




#33
1,2-Dichloroethane-d4
Concen: 54.604 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069842.D
Acq: 26 Jul 2021 12:08

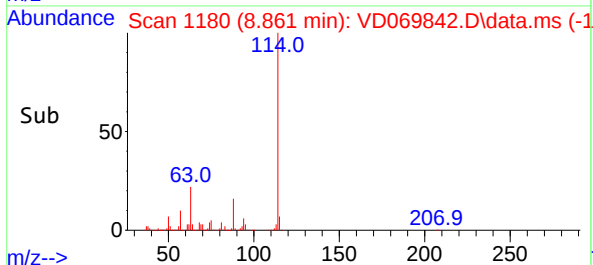
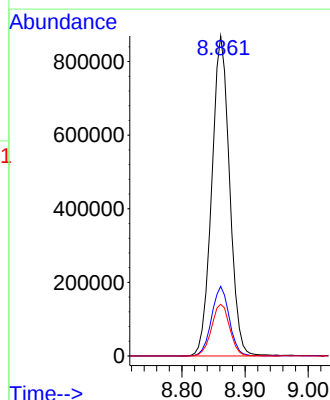
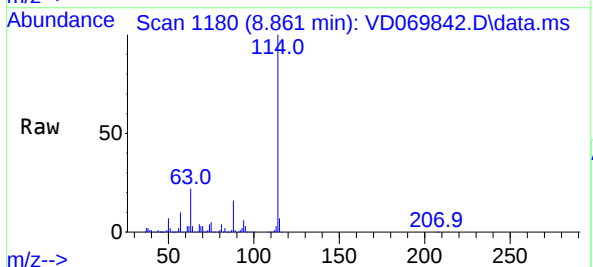
Instrument :
MSVOA_D
ClientSampleId :

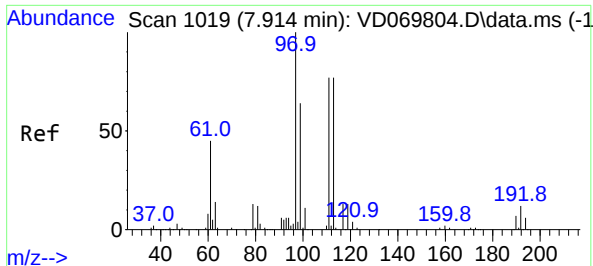
Tgt Ion: 65 Resp: 561070
Ion Ratio Lower Upper
65 100
67 54.3 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069842.D
Acq: 26 Jul 2021 12:08

Tgt Ion:114 Resp: 1703418
Ion Ratio Lower Upper
114 100
63 21.8 0.0 41.6
88 16.2 0.0 31.4

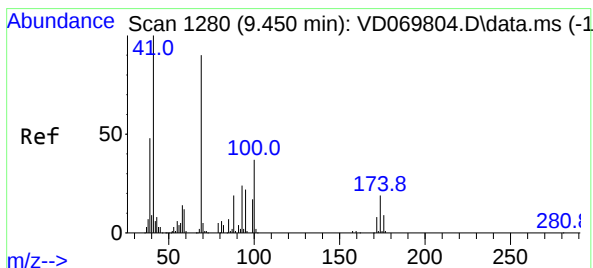
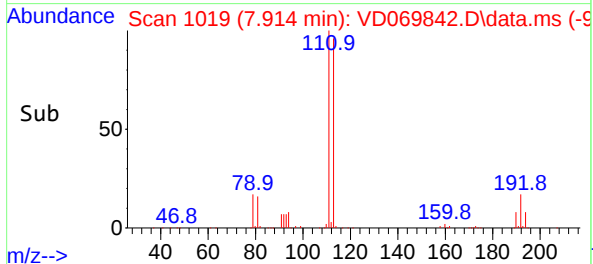
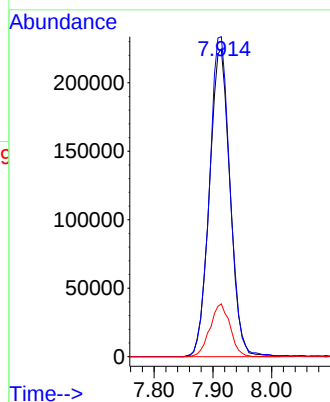
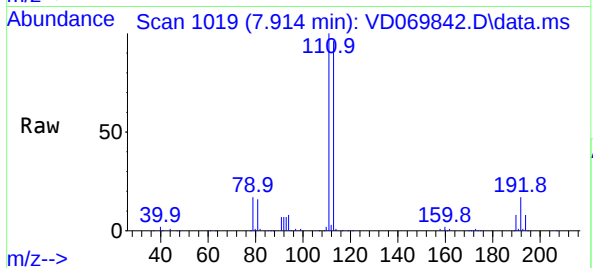




#35
Dibromofluoromethane
Concen: 50.888 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069842.D
Acq: 26 Jul 2021 12:08

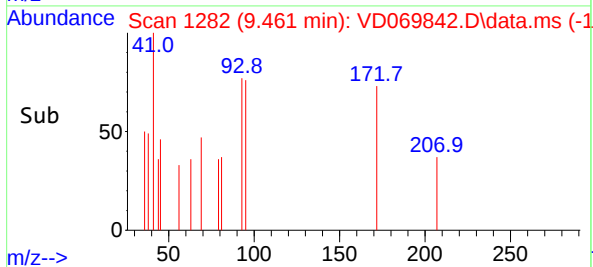
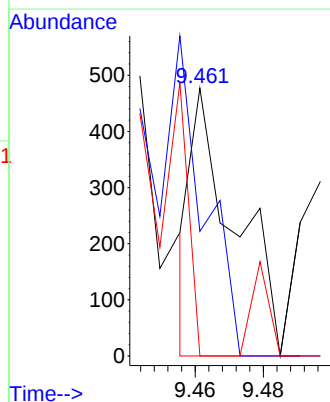
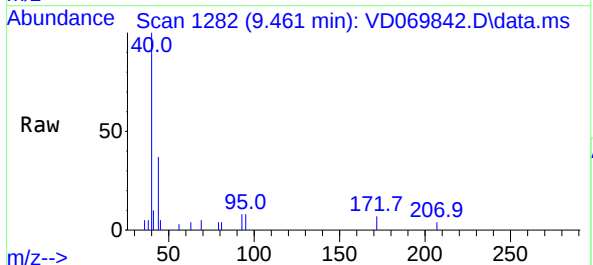
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MSVOA_D
ClientSampled :

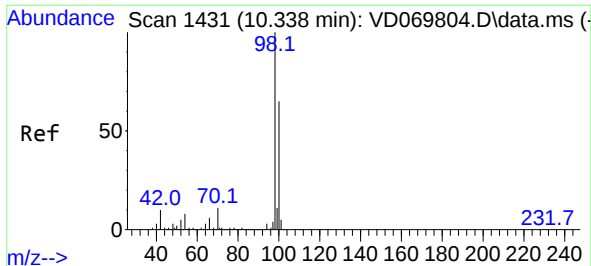
Tgt Ion:113 Resp: 546452
Ion Ratio Lower Upper
113 100
111 103.7 80.5 120.7
192 16.8 12.6 19.0



#48
Methyl methacrylate
Concen: 2.809 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. 0.011 min
Lab File: VD069842.D
Acq: 26 Jul 2021 12:08

Tgt Ion: 41 Resp: 419
Ion Ratio Lower Upper
41 100
69 148.2 73.4 110.2#
39 93.8 36.6 55.0#

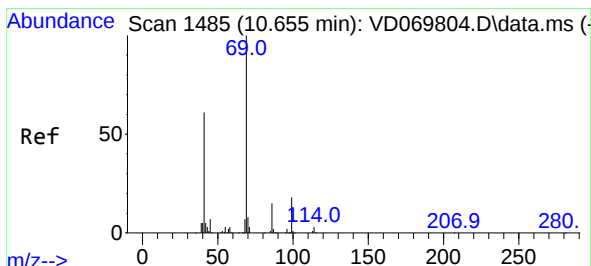
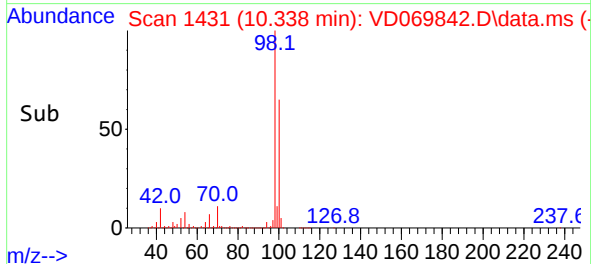
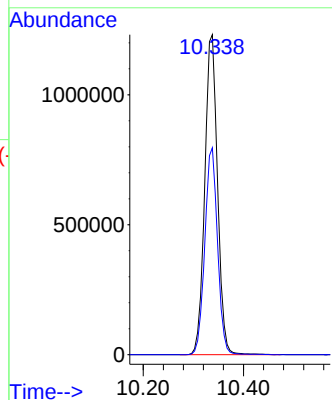
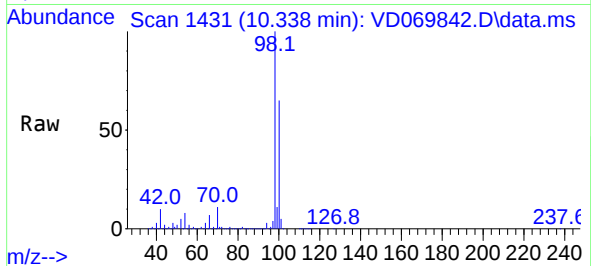




#50
Toluene-d8
Concen: 52.621 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069842.D
Acq: 26 Jul 2021 12:08

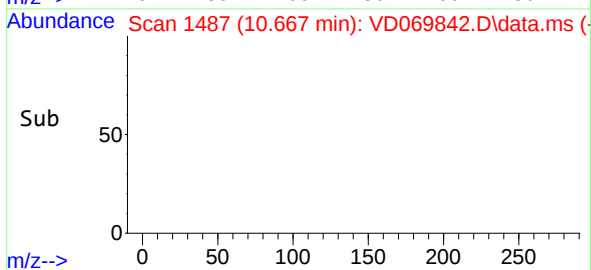
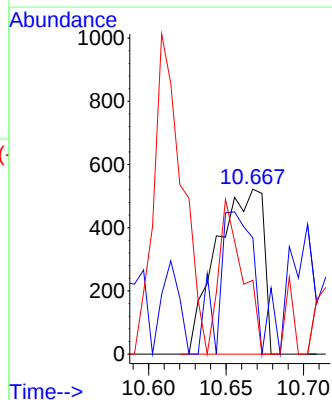
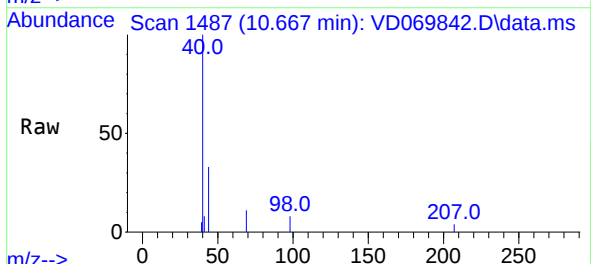
Instrument :
MSVOA_D
ClientSampled :

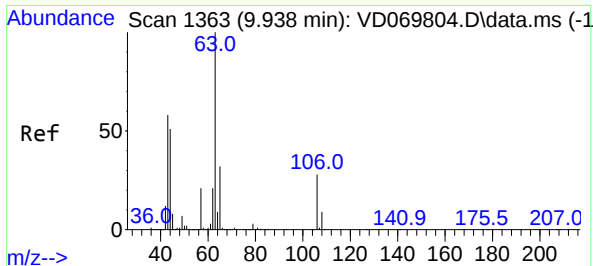
Tgt Ion: 98 Resp: 2178849
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.980 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD069842.D
Acq: 26 Jul 2021 12:08

Tgt Ion: 69 Resp: 1099
Ion Ratio Lower Upper
69 100
41 61.7 50.2 75.2
39 48.0 22.0 33.0#

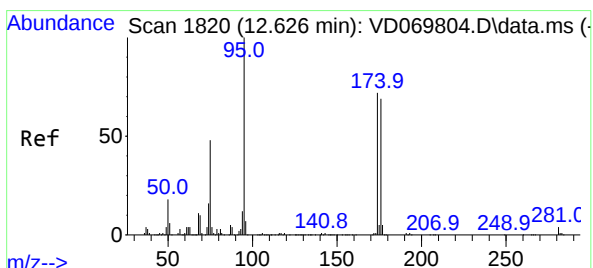
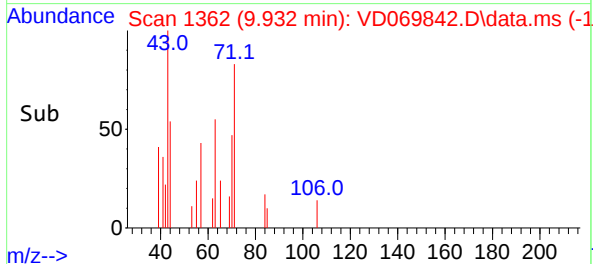
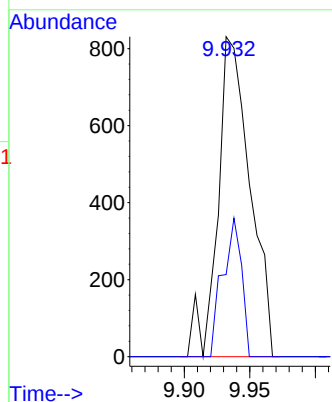
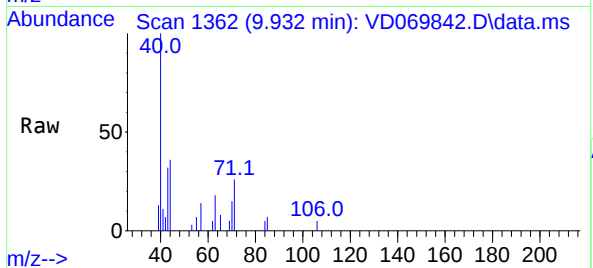




#58
2-Chloroethyl Vinyl ether
Concen: 21.116 ug/l
RT: 9.932 min Scan# 1362
Delta R.T. -0.006 min
Lab File: VD069842.D
Acq: 26 Jul 2021 12:08

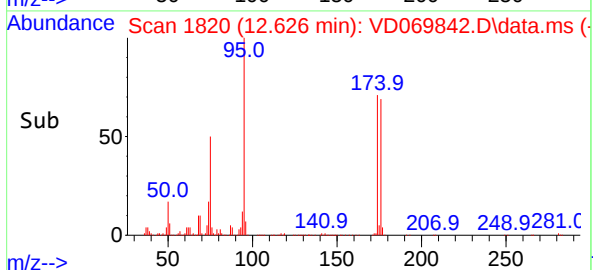
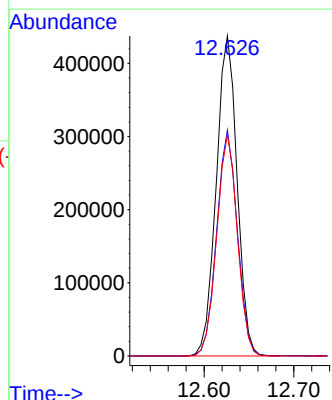
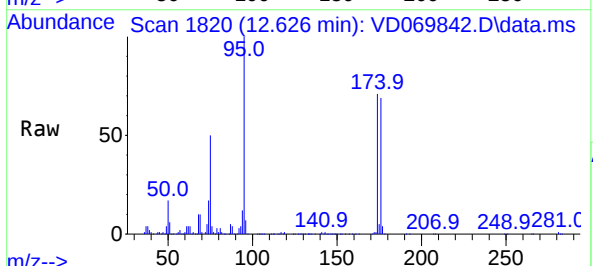
Instrument :
MSVOA_D
ClientSampled :

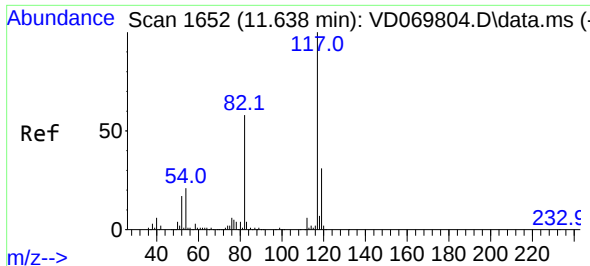
Tgt Ion: 63 Resp: 1419
Ion Ratio Lower Upper
63 100
106 25.4 21.8 32.6



#62
4-Bromofluorobenzene
Concen: 51.032 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069842.D
Acq: 26 Jul 2021 12:08

Tgt Ion: 95 Resp: 706183
Ion Ratio Lower Upper
95 100
174 70.2 0.0 142.6
176 68.2 0.0 134.2



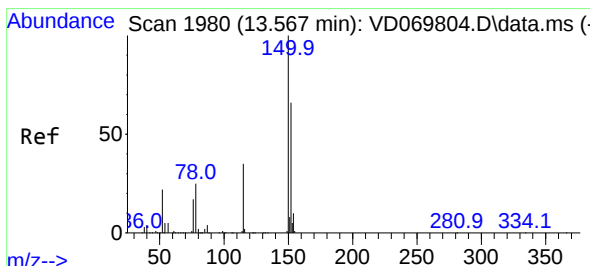
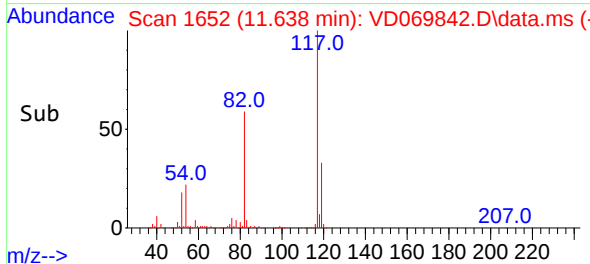
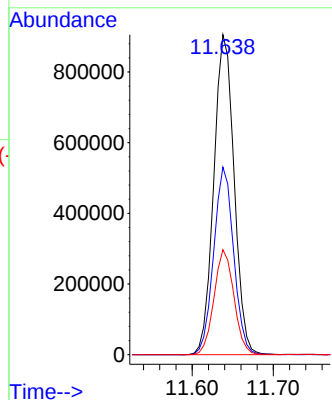
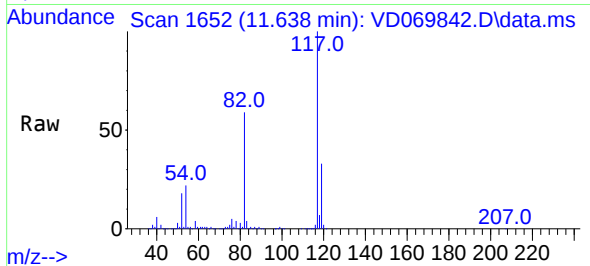


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069842.D
Acq: 26 Jul 2021 12:08

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:117 Resp: 1576774

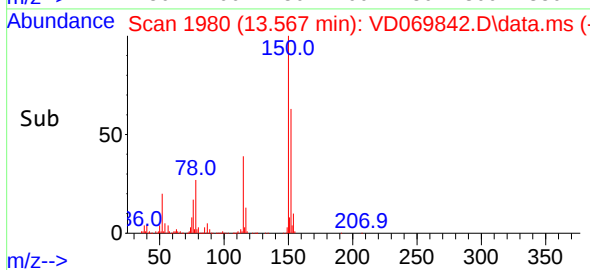
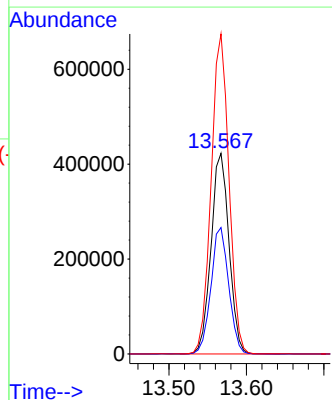
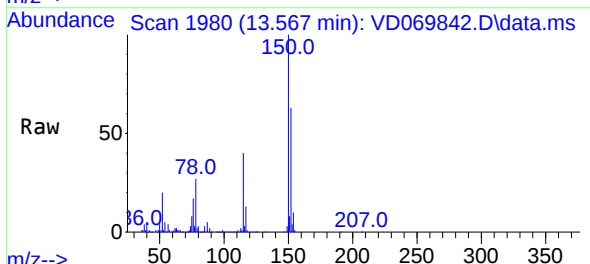
Ion	Ratio	Lower	Upper
117	100		
82	58.6	46.3	69.5
119	32.8	24.7	37.1

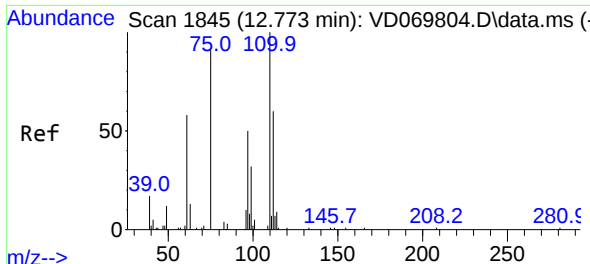


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069842.D
Acq: 26 Jul 2021 12:08

Tgt Ion:152 Resp: 681126

Ion	Ratio	Lower	Upper
152	100		
115	62.3	31.1	93.3
150	158.0	0.0	343.0

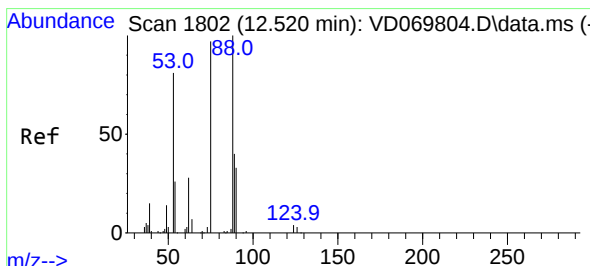
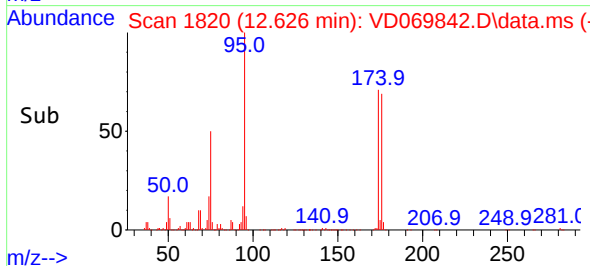
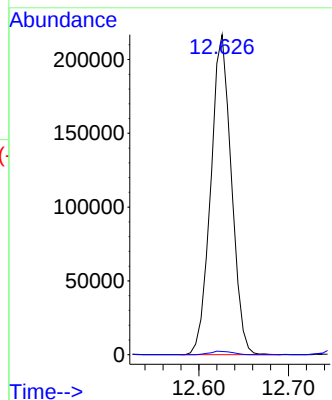
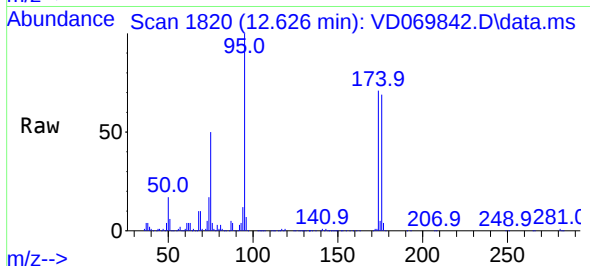




#76
1,2,3-Trichloropropane
Concen: 47.845 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069842.D
Acq: 26 Jul 2021 12:08

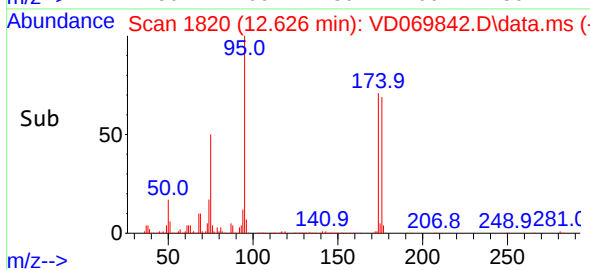
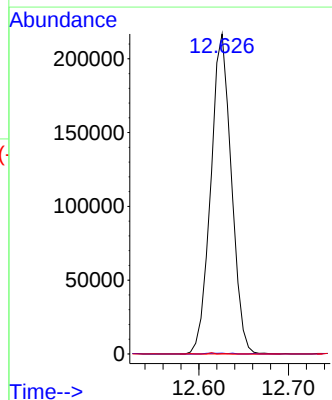
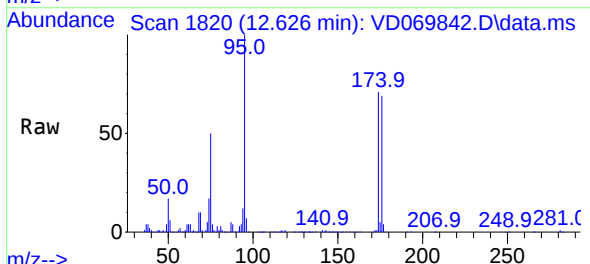
Instrument :
MSVOA_D
ClientSampleId :

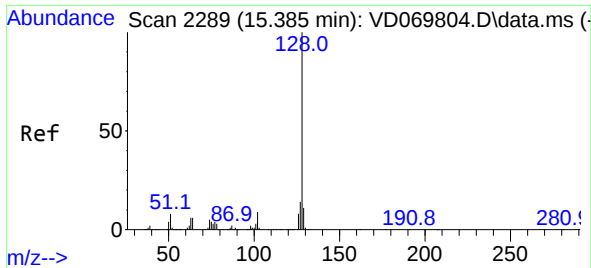
Tgt Ion: 75 Resp: 346390
Ion Ratio Lower Upper
75 100
77 1.2 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 145.149 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069842.D
Acq: 26 Jul 2021 12:08

Tgt Ion: 75 Resp: 346390
Ion Ratio Lower Upper
75 100
53 0.3 67.2 100.8#
89 0.0 35.8 53.6#





#95
Naphthalene
Concen: 5.280 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD069842.D
Acq: 26 Jul 2021 12:08

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	128	Resp:	6964
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	16.0
129	11.1	8.6	12.8

