

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073021\
 Data File : VD069927.D
 Acq On : 30 Jul 2021 09:38
 Operator : VA/SY
 Sample : VD0730SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBL01

Quant Time: Jul 31 00:34:39 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)

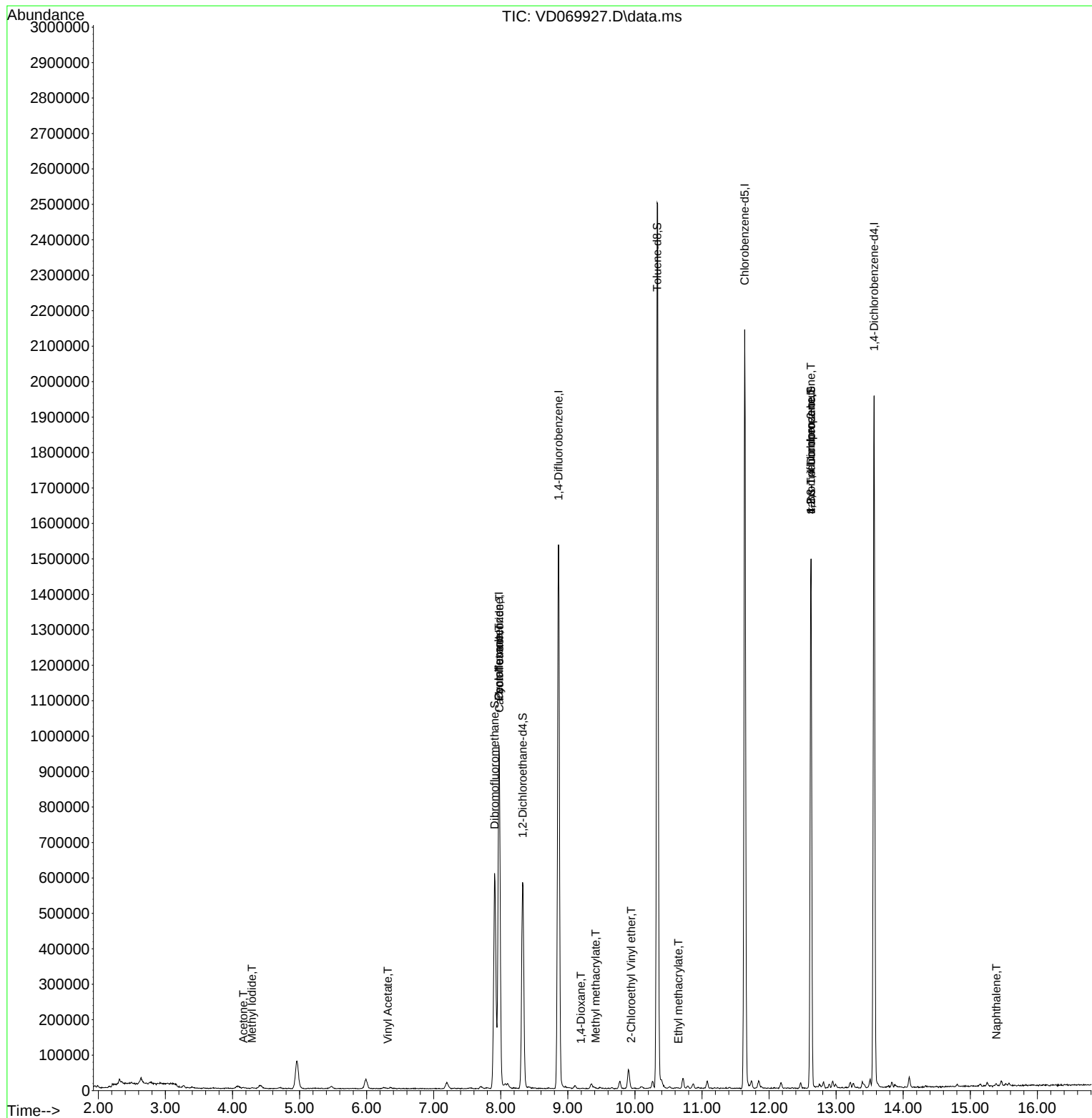
Internal Standards						
1) Pentafluorobenzene	7.973	168	675712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1320425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1219019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	508375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	468107	60.235	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.480%			
35) Dibromofluoromethane	7.908	113	444271	53.373	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.740%			
50) Toluene-d8	10.332	98	1722321	53.660	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.320%			
62) 4-Bromofluorobenzene	12.626	95	512962	47.821	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.640%			
Target Compounds						
5) Bromomethane	2.779	94	5358	Below Cal		97
10) Methyl Iodide	4.291	142	1415	3.619 ug/l #		61
16) Acetone	4.162	43	3282	2.338 ug/l		91
23) Vinyl Acetate	6.314	43	1495	20.451 ug/l #		71
31) Cyclohexane	7.973	56	20619	1.358 ug/l #		2
38) Carbon Tetrachloride	7.979	117	73630	5.657 ug/l #		17
48) Methyl methacrylate	9.414	41	637	2.868 ug/l #		13
49) 1,4-Dioxane	9.197	88	57	1.012 ug/l #		21
56) Ethyl methacrylate	10.649	69	203	3.916 ug/l #		1
58) 2-Chloroethyl Vinyl ether	9.944	63	1041	21.103 ug/l #		89
76) 1,2,3-Trichloropropane	12.626	75	249048	46.089 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	249048	139.821 ug/l #		16
95) Naphthalene	15.390	128	5160	5.278 ug/l #		90

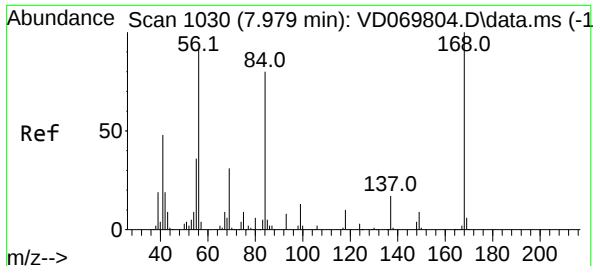
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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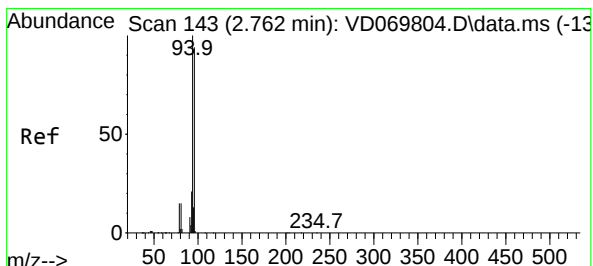
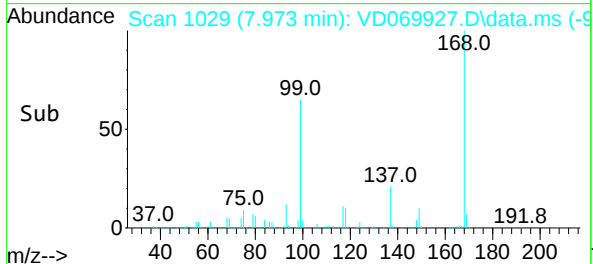
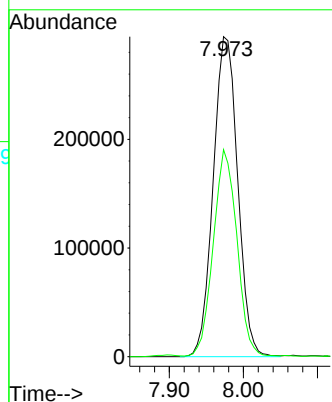
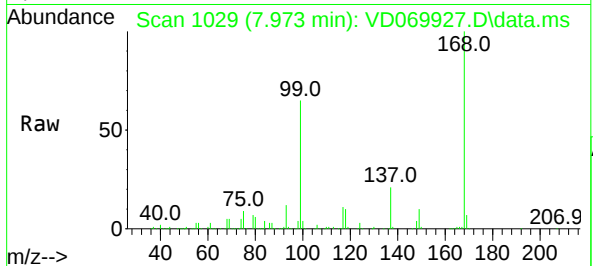




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD069927.D
Acq: 30 Jul 2021 09:38

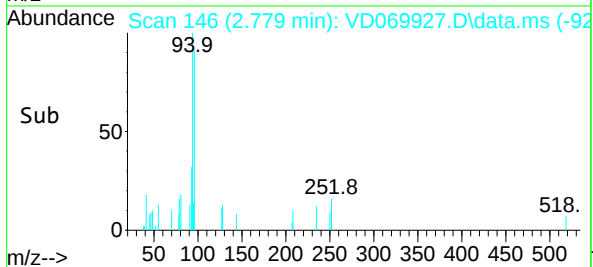
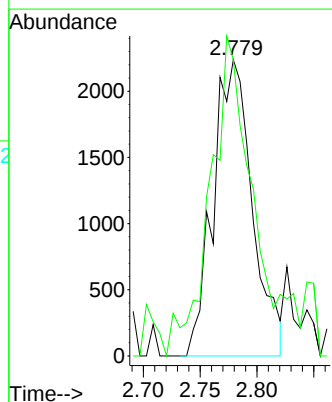
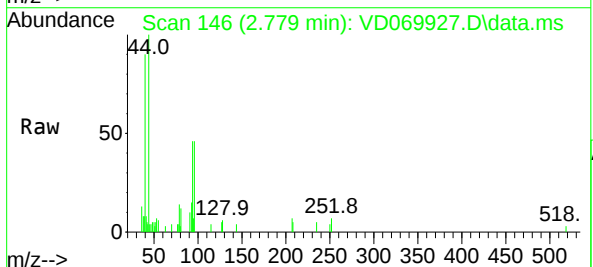
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBL01

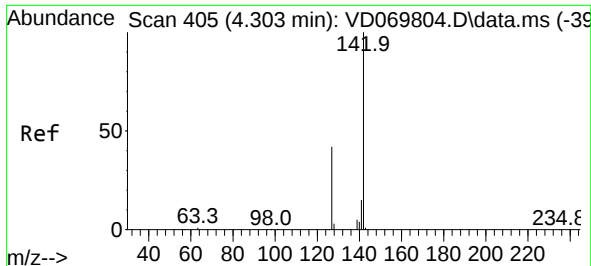
Tgt Ion:168 Resp: 675712
Ion Ratio Lower Upper
168 100
99 64.5 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069927.D
Acq: 30 Jul 2021 09:38

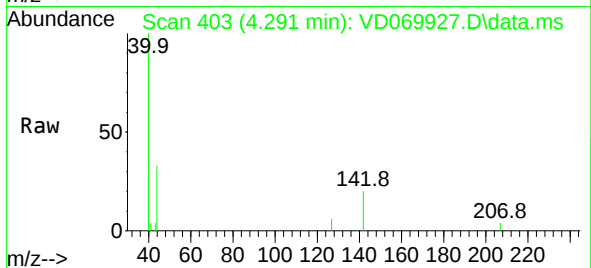
Tgt Ion: 94 Resp: 5358
Ion Ratio Lower Upper
94 100
96 90.4 74.8 112.2



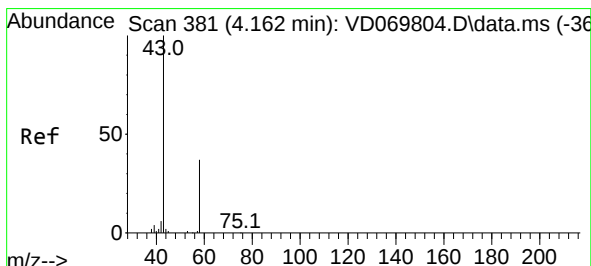
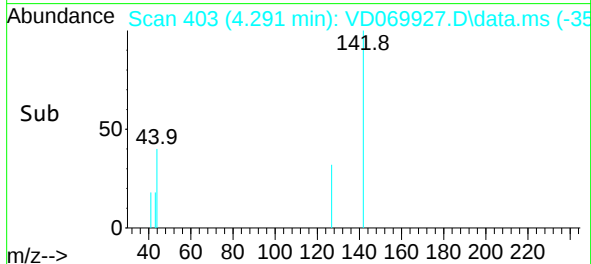
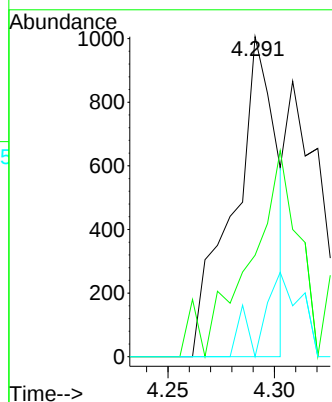


#10
Methyl Iodide
Concen: 3.619 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD069927.D
Acq: 30 Jul 2021 09:38

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBL01

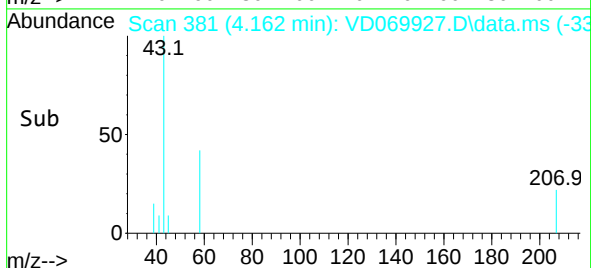
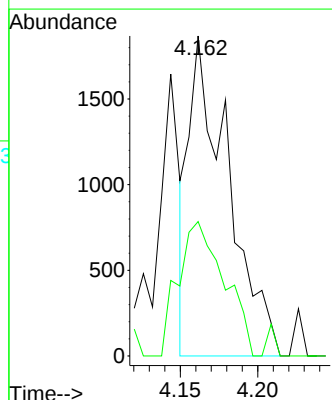
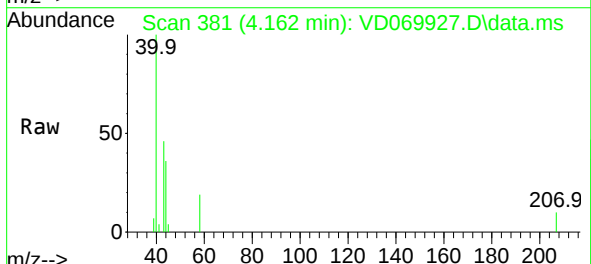


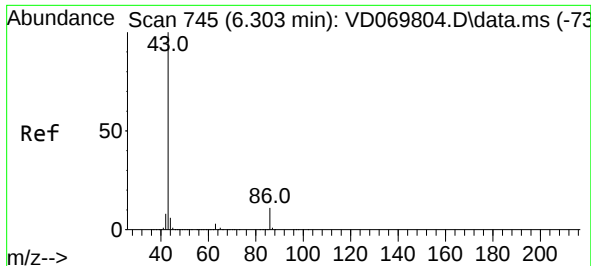
Tgt Ion:142 Resp: 1415
Ion Ratio Lower Upper
142 100
127 73.9 35.7 53.5#
141 23.9 12.0 18.0#



#16
Acetone
Concen: 2.338 ug/l
RT: 4.162 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069927.D
Acq: 30 Jul 2021 09:38

Tgt Ion: 43 Resp: 3282
Ion Ratio Lower Upper
43 100
58 42.0 29.4 44.0

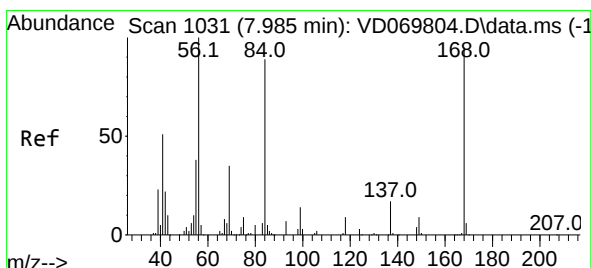
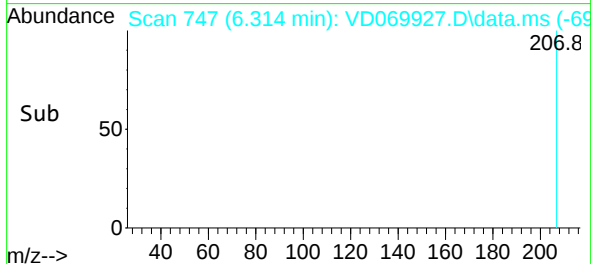
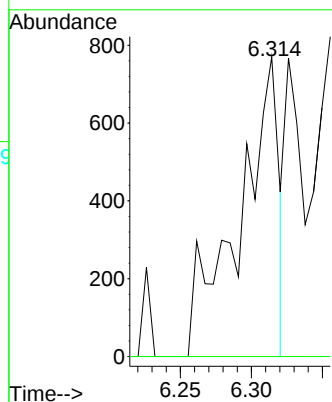
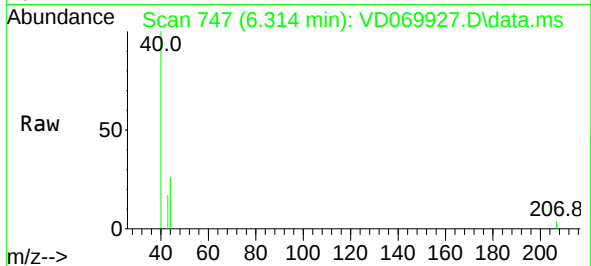




#23
 Vinyl Acetate
 Concen: 20.451 ug/l
 RT: 6.314 min Scan# 747
 Delta R.T. 0.011 min
 Lab File: VD069927.D
 Acq: 30 Jul 2021 09:38

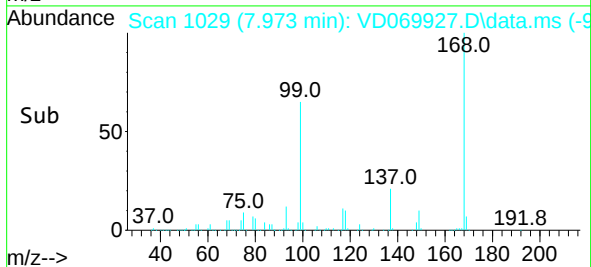
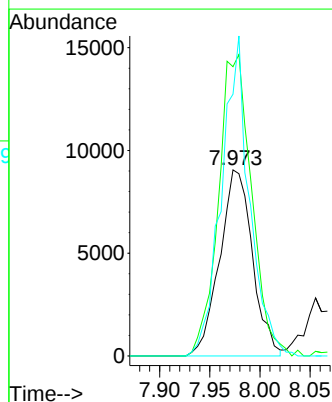
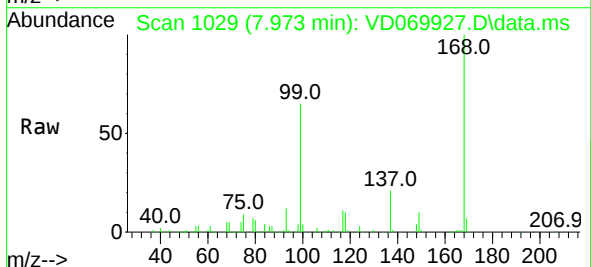
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBL01

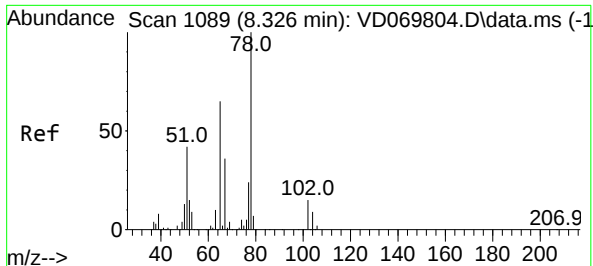
Tgt Ion: 43 Resp: 1495
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#31
 Cyclohexane
 Concen: 1.358 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD069927.D
 Acq: 30 Jul 2021 09:38

Tgt Ion: 56 Resp: 20619
 Ion Ratio Lower Upper
 56 100
 69 155.5 27.9 41.9#
 84 140.7 71.4 107.2#

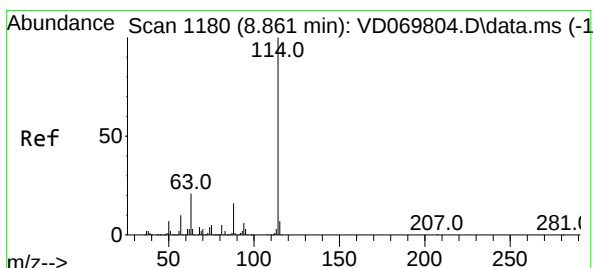
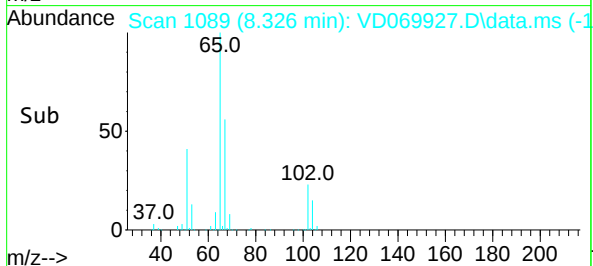
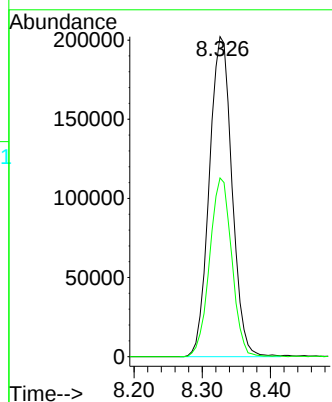
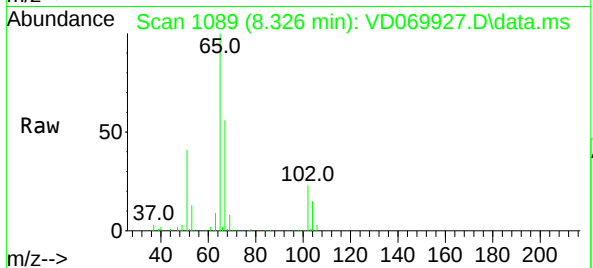




#33
1,2-Dichloroethane-d4
Concen: 60.235 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069927.D
Acq: 30 Jul 2021 09:38

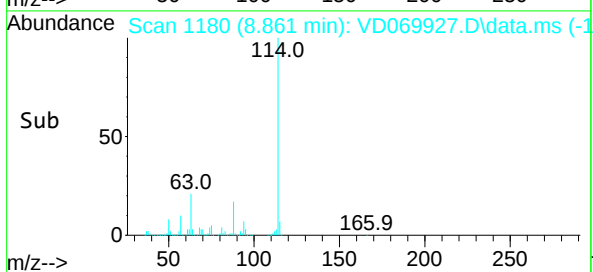
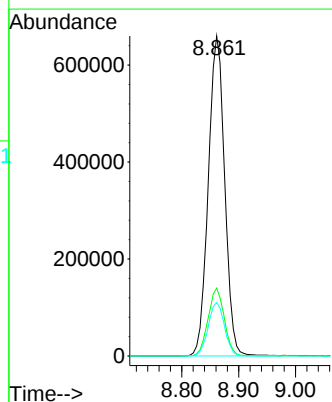
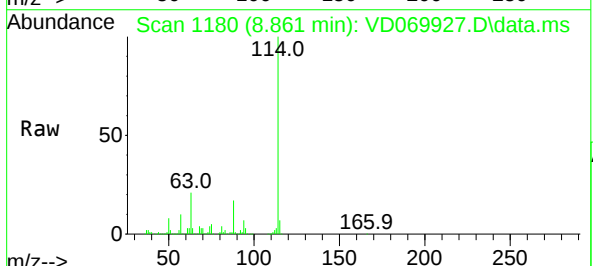
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBL01

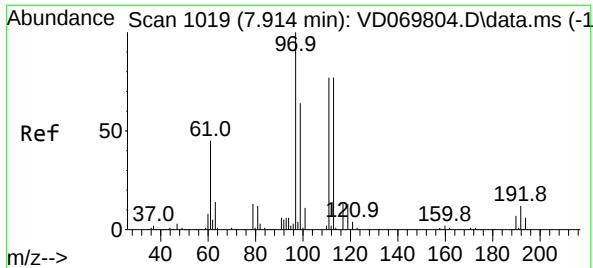
Tgt Ion: 65 Resp: 468107
Ion Ratio Lower Upper
65 100
67 54.5 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069927.D
Acq: 30 Jul 2021 09:38

Tgt Ion: 114 Resp: 1320425
Ion Ratio Lower Upper
114 100
63 21.2 0.0 41.6
88 16.7 0.0 31.4

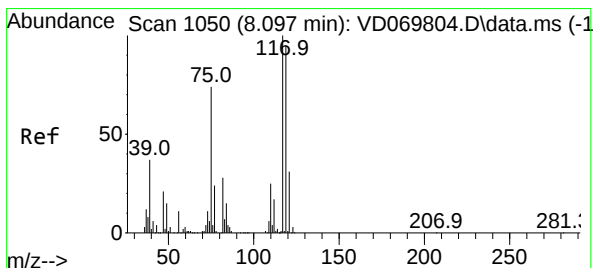
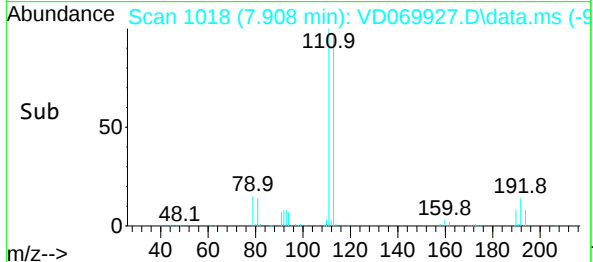
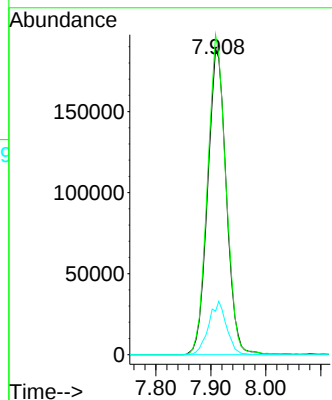
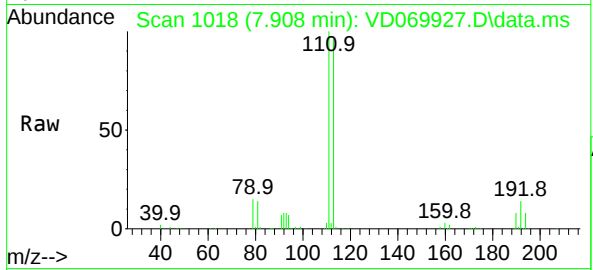




#35
Dibromofluoromethane
Concen: 53.373 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069927.D
Acq: 30 Jul 2021 09:38

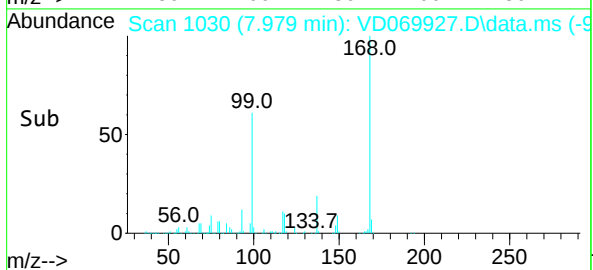
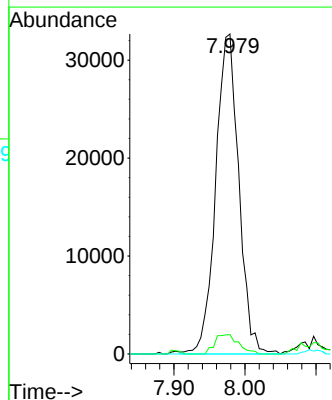
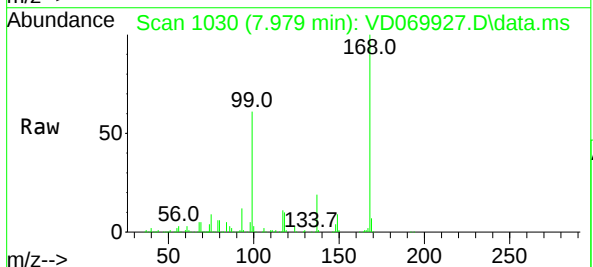
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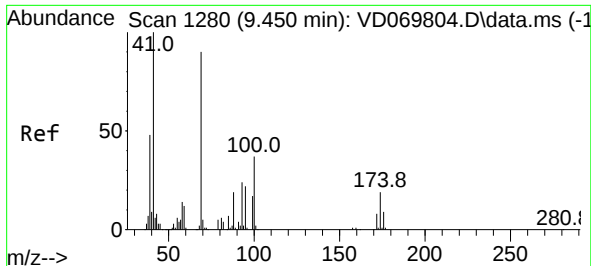
Tgt Ion:113 Resp: 444271
Ion Ratio Lower Upper
113 100
111 103.3 80.5 120.7
192 16.8 12.6 19.0



#38
Carbon Tetrachloride
Concen: 5.657 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069927.D
Acq: 30 Jul 2021 09:38

Tgt Ion:117 Resp: 73630
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.2#
121 0.0 24.5 36.7#

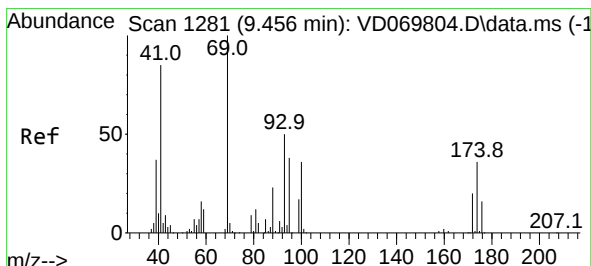
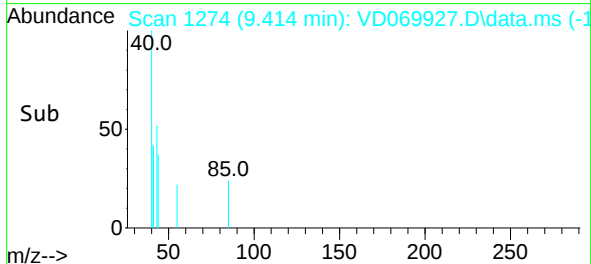
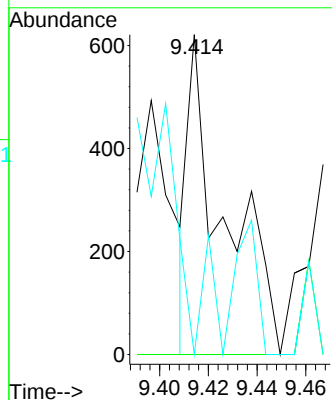
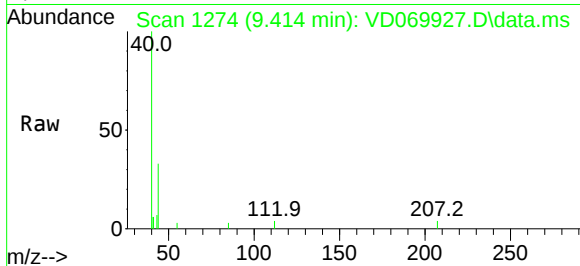




#48
Methyl methacrylate
Concen: 2.868 ug/l
RT: 9.414 min Scan# 1274
Delta R.T. -0.036 min
Lab File: VD069927.D
Acq: 30 Jul 2021 09:38

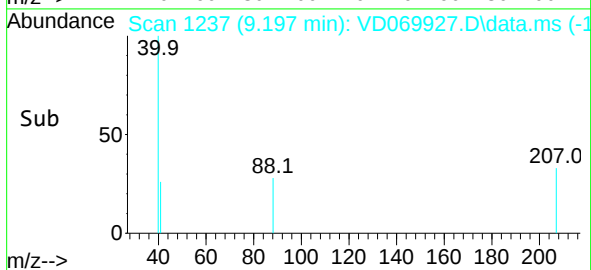
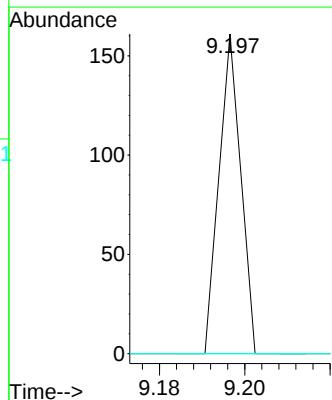
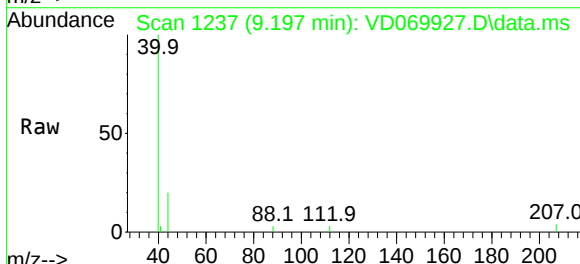
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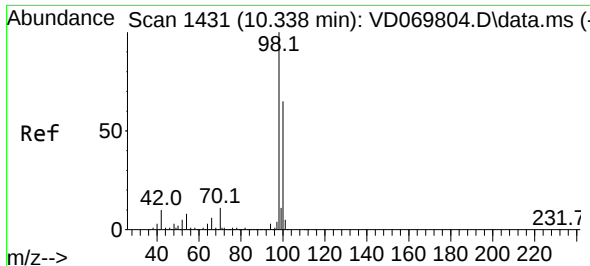
Tgt Ion: 41 Resp: 637
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#



#49
1,4-Dioxane
Concen: 1.012 ug/l
RT: 9.197 min Scan# 1237
Delta R.T. -0.259 min
Lab File: VD069927.D
Acq: 30 Jul 2021 09:38

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 0.0 26.8 40.2#
58 0.0 59.8 89.6#

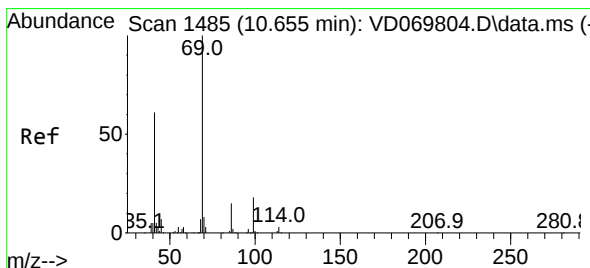
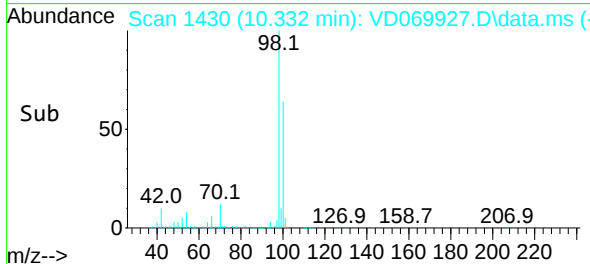
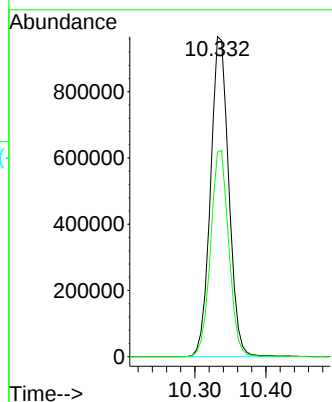
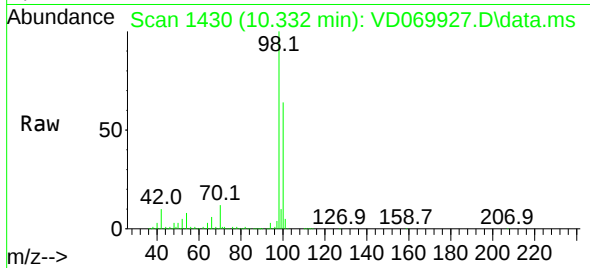




#50
Toluene-d8
Concen: 53.660 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD069927.D
Acq: 30 Jul 2021 09:38

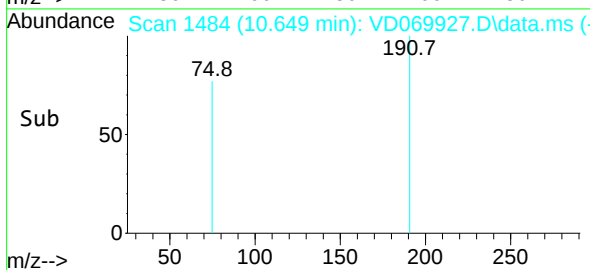
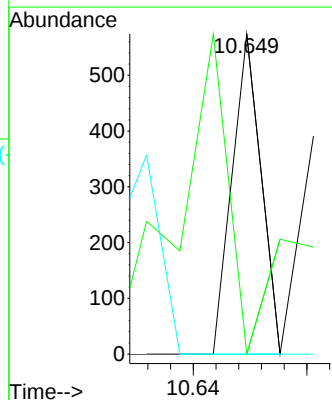
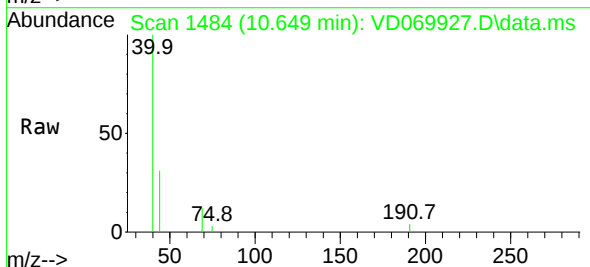
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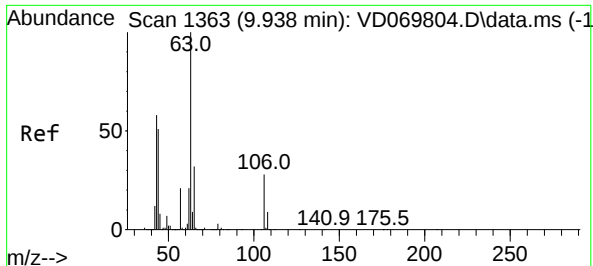
Tgt Ion: 98 Resp: 1722321
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.916 ug/l
RT: 10.649 min Scan# 1484
Delta R.T. -0.006 min
Lab File: VD069927.D
Acq: 30 Jul 2021 09:38

Tgt Ion: 69 Resp: 203
Ion Ratio Lower Upper
69 100
41 242.4 50.2 75.2#
39 0.0 22.0 33.0#

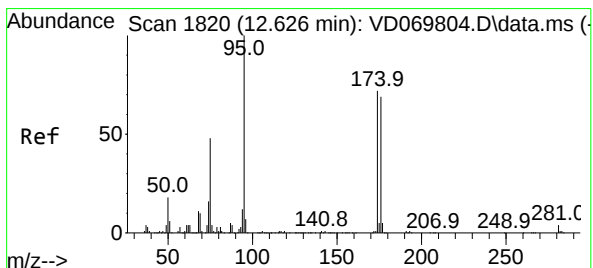
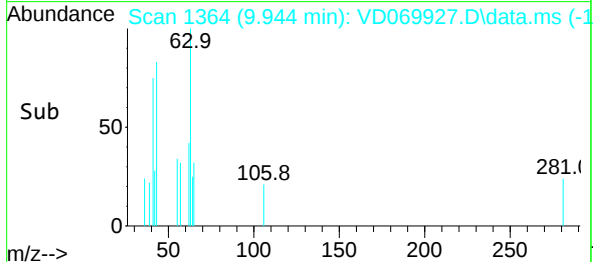
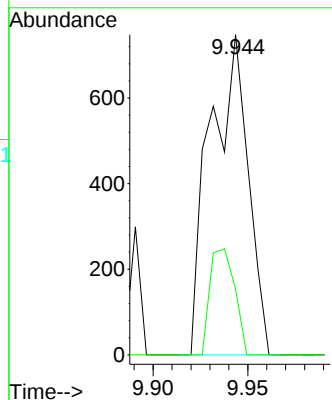
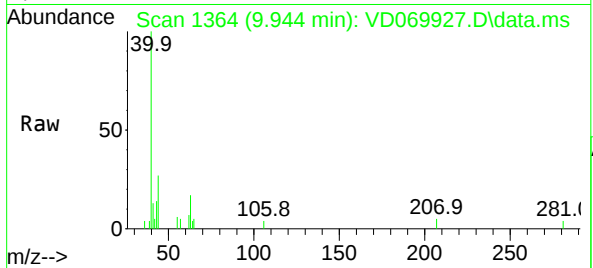




#58
2-Chloroethyl Vinyl ether
Concen: 21.103 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VD069927.D
Acq: 30 Jul 2021 09:38

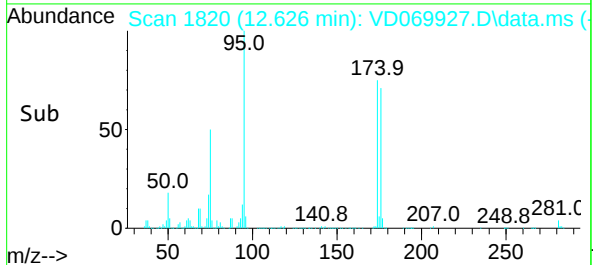
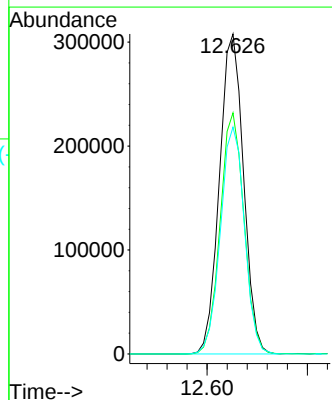
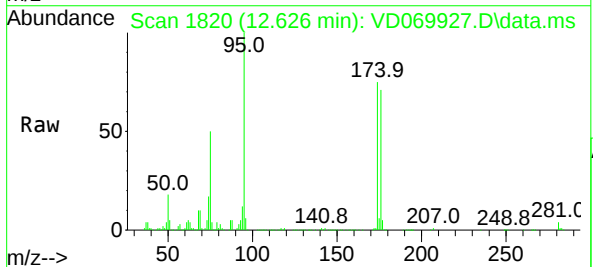
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBL01

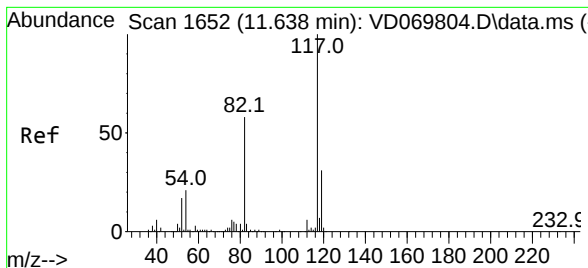
Tgt Ion: 63 Resp: 1041
Ion Ratio Lower Upper
63 100
106 21.7 21.8 32.6#



#62
4-Bromofluorobenzene
Concen: 47.821 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069927.D
Acq: 30 Jul 2021 09:38

Tgt Ion: 95 Resp: 512962
Ion Ratio Lower Upper
95 100
174 74.4 0.0 142.6
176 70.7 0.0 134.2

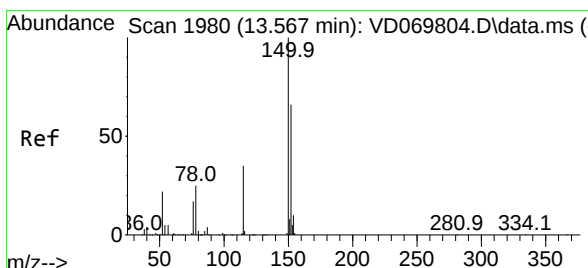
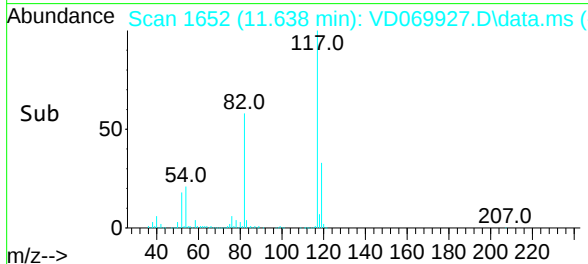
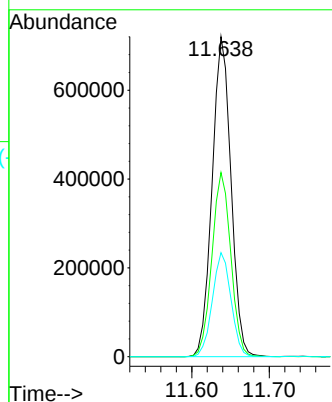
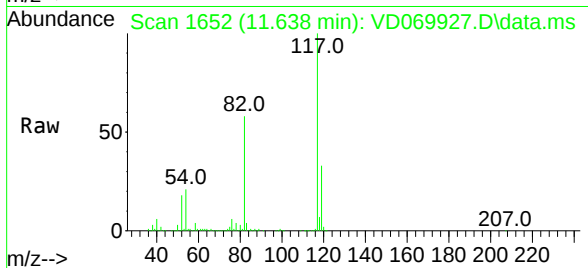




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069927.D
Acq: 30 Jul 2021 09:38

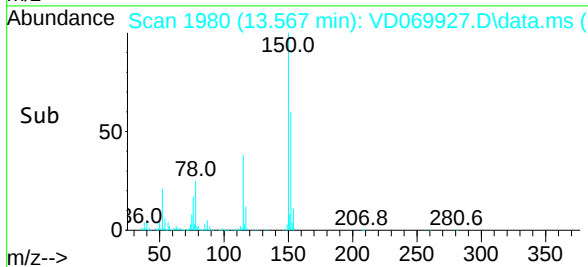
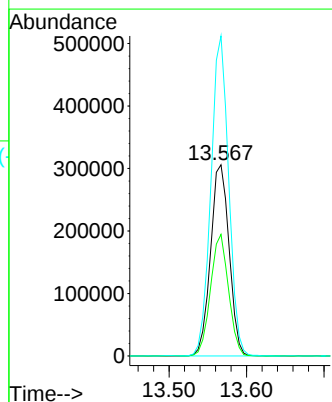
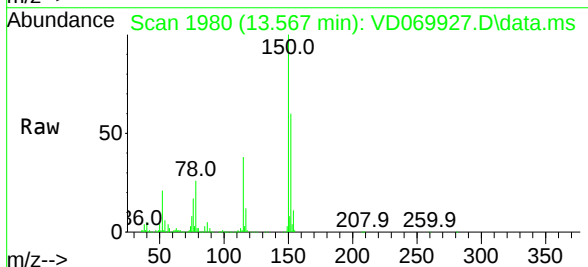
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBL01

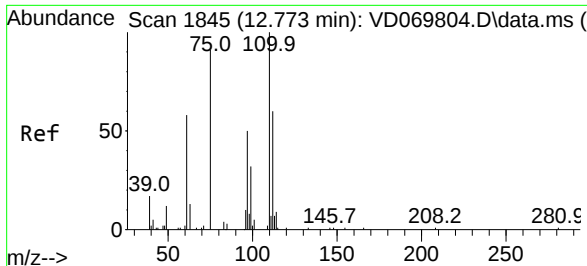
Tgt Ion:117 Resp: 1219019
Ion Ratio Lower Upper
117 100
82 57.5 46.3 69.5
119 32.5 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069927.D
Acq: 30 Jul 2021 09:38

Tgt Ion:152 Resp: 508375
Ion Ratio Lower Upper
152 100
115 61.7 31.1 93.3
150 159.8 0.0 343.0

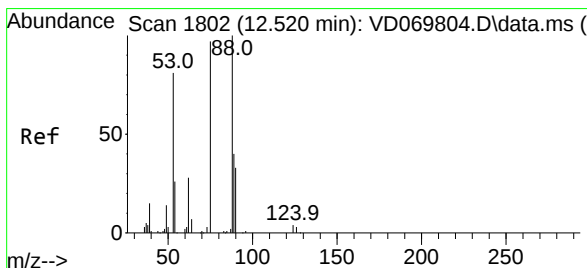
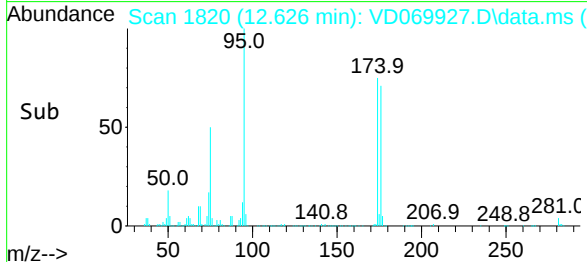
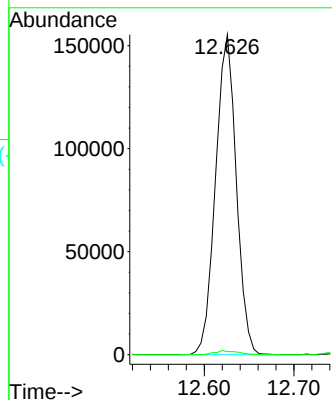
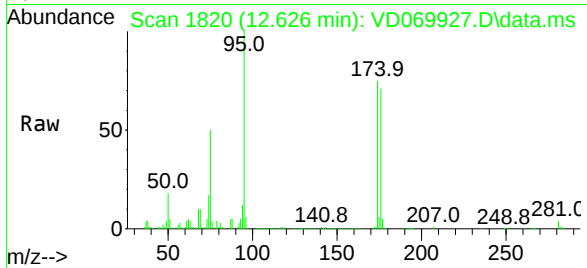




#76
1,2,3-Trichloropropane
Concen: 46.089 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069927.D
Acq: 30 Jul 2021 09:38

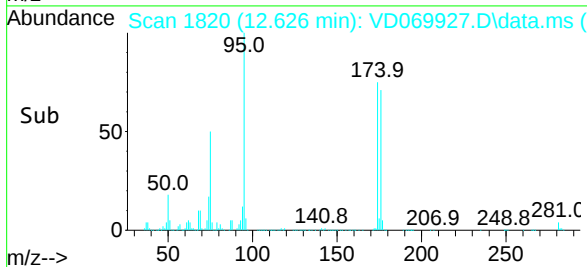
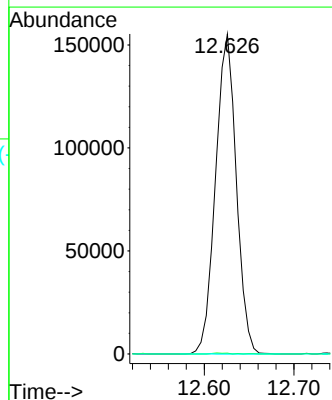
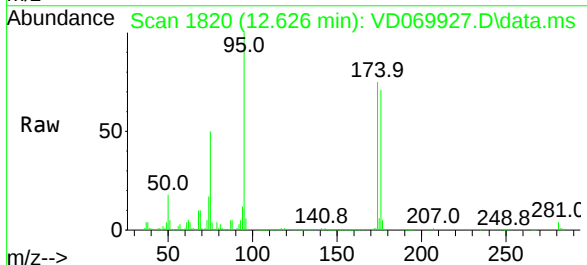
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBL01

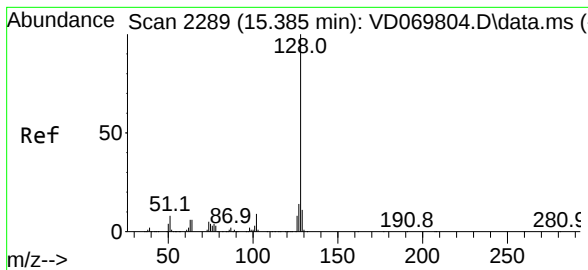
Tgt Ion: 75 Resp: 249048
Ion Ratio Lower Upper
75 100
77 1.4 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 139.821 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069927.D
Acq: 30 Jul 2021 09:38

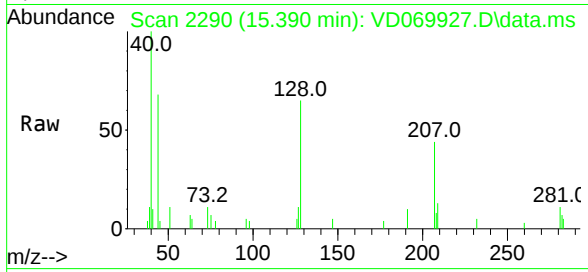
Tgt Ion: 75 Resp: 249048
Ion Ratio Lower Upper
75 100
53 0.2 67.2 100.8#
89 0.0 35.8 53.6#





#95
Naphthalene
Concen: 5.278 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD069927.D
Acq: 30 Jul 2021 09:38

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBL01



Tgt Ion	Ratio	Lower	Upper
128	100		
127	9.6	10.6	16.0#
129	6.5	8.6	12.8#

