

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062321\
 Data File : VD069543.D
 Acq On : 23 Jun 2021 14:21
 Operator : VA/SY
 Sample : M2810-01RE
 Misc : 6.74G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 24 06:08:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

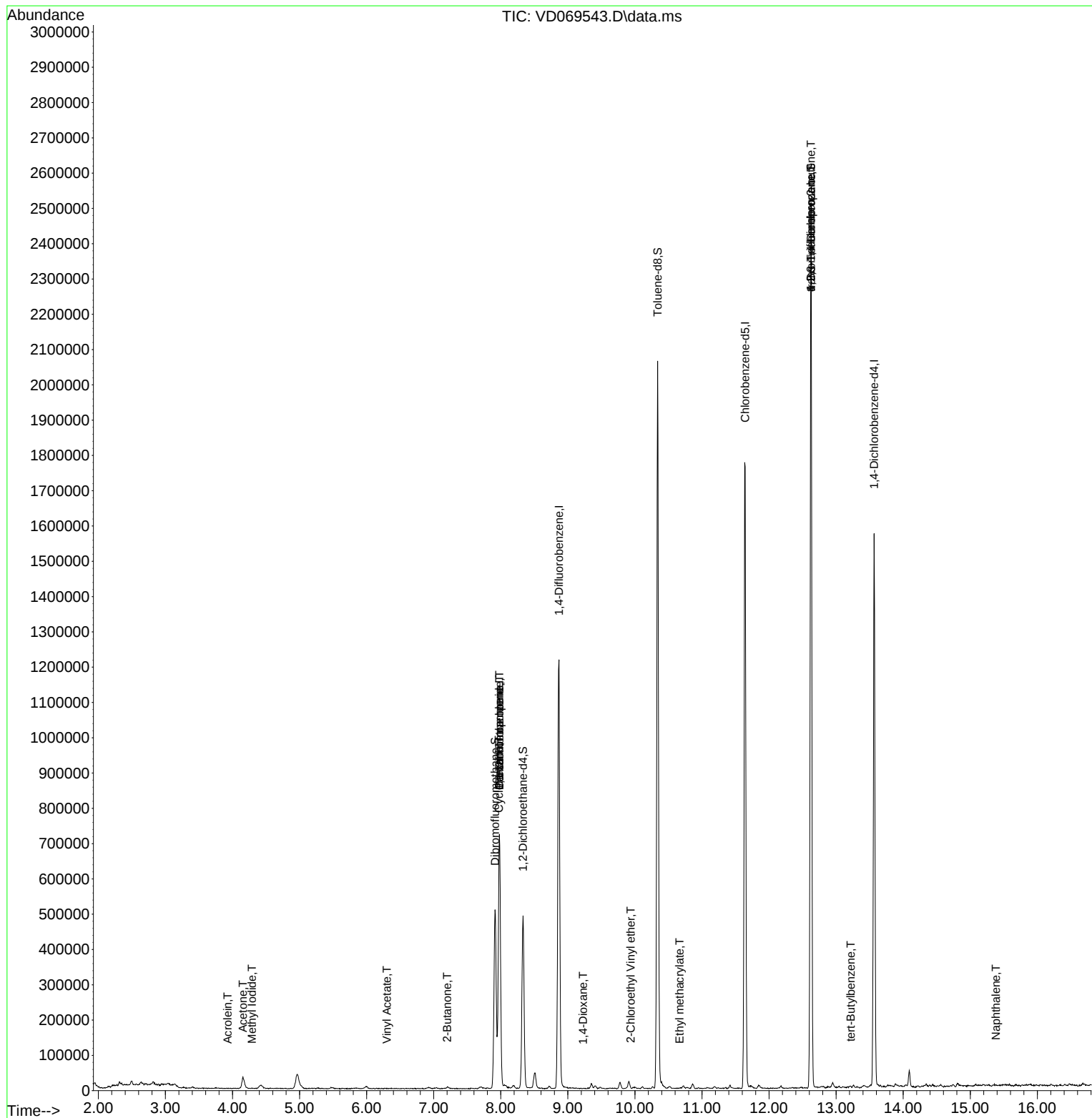
Internal Standards						
1) Pentafluorobenzene	7.979	168	502585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1034404	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	1031018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	395826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	391362	62.472	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.940%			
35) Dibromofluoromethane	7.914	113	371028	53.062	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.120%			
50) Toluene-d8	10.338	98	1340719	51.118	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.240%			
62) 4-Bromofluorobenzene	12.626	95	477565	55.385	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.780%			
Target Compounds			Qvalue			
5) Bromomethane	2.779	94	929	Below Cal		94
10) Methyl Iodide	4.291	142	327	3.997 ug/l #		39
11) Tert butyl alcohol	5.203	59	282	Below Cal #		83
13) Acrolein	3.926	56	355	1.018 ug/l #		65
16) Acetone	4.156	43	53347	50.593 ug/l		92
18) Methyl Acetate	4.726	43	1000	Below Cal #		49
20) Methylene Chloride	4.967	84	31931	Below Cal		90
23) Vinyl Acetate	6.303	43	61	19.017 ug/l #		70
25) 2-Butanone	7.203	43	4929	3.679 ug/l #		82
31) Cyclohexane	7.973	56	16157	1.915 ug/l #		19
36) 1,1-Dichloropropene	7.979	75	46879	4.618 ug/l #		50
38) Carbon Tetrachloride	7.979	117	55574	5.531 ug/l #		16
49) 1,4-Dioxane	9.226	88	79	2.038 ug/l #		23
56) Ethyl methacrylate	10.667	69	333	2.630 ug/l #		47
58) 2-Chloroethyl Vinyl ether	9.938	63	56	10.616 ug/l #		47
76) 1,2,3-Trichloropropane	12.626	75	256191	65.934 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	256191	164.629 ug/l #		13
83) tert-Butylbenzene	13.220	119	579	2.019 ug/l #		26
95) Naphthalene	15.384	128	2575	3.549 ug/l #		88

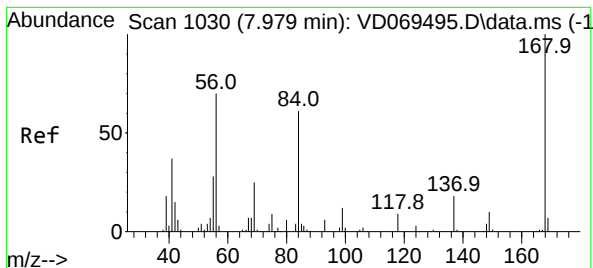
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 24 06:08:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 22 04:33:24 2021
Response via : Initial Calibration

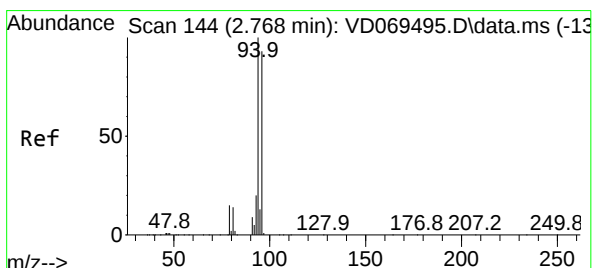
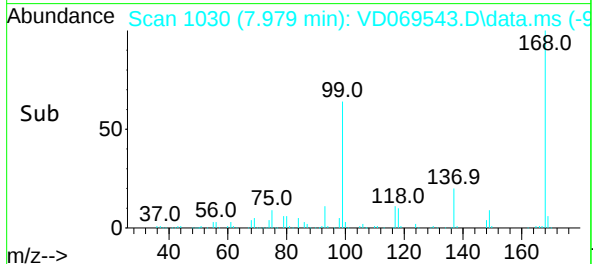
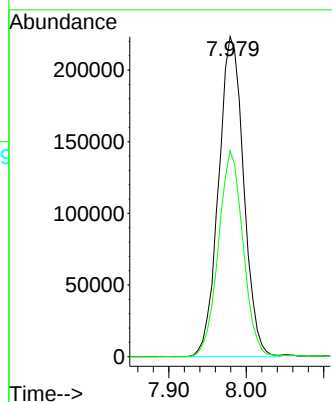
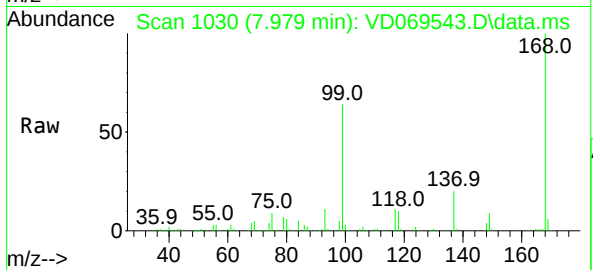




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069543.D
Acq: 23 Jun 2021 14:21

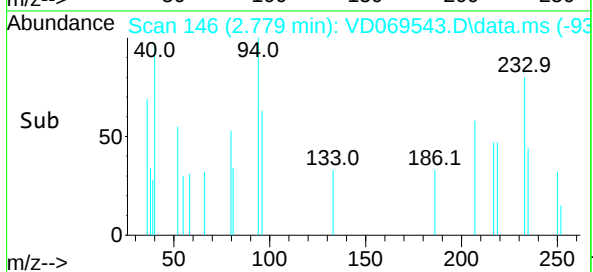
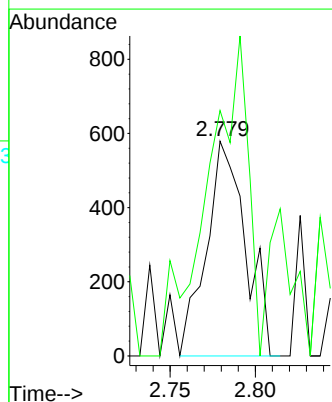
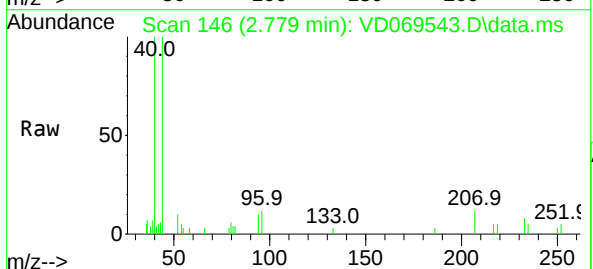
Instrument :
MSVOA_D
ClientSampled :

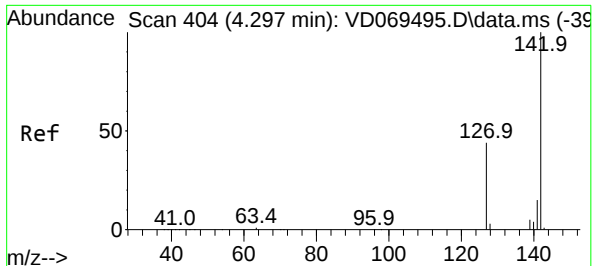
Tgt Ion:168 Resp: 502585
Ion Ratio Lower Upper
168 100
99 64.3 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD069543.D
Acq: 23 Jun 2021 14:21

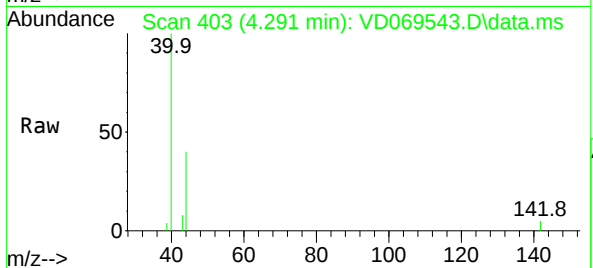
Tgt Ion: 94 Resp: 929
Ion Ratio Lower Upper
94 100
96 87.4 74.6 111.8



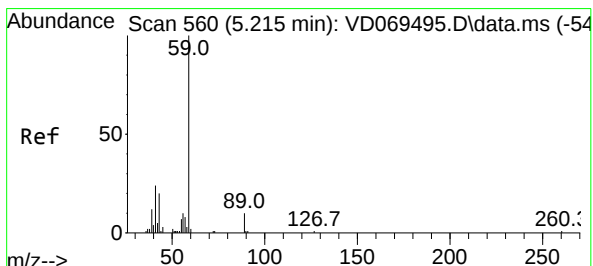
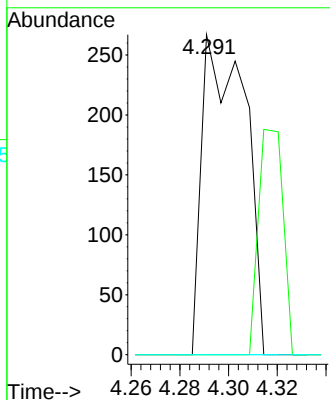
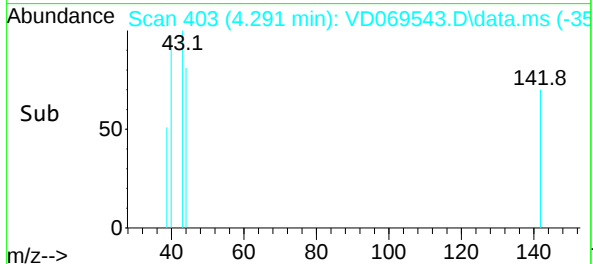


#10
Methyl Iodide
Concen: 3.997 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD069543.D
Acq: 23 Jun 2021 14:21

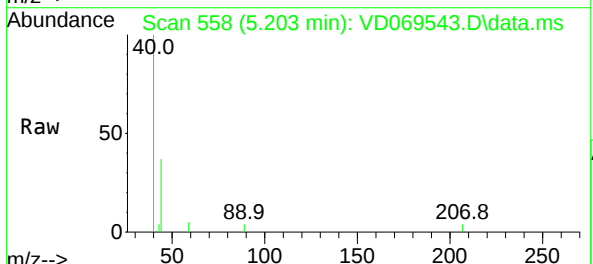
Instrument :
MSVOA_D
ClientSampled :



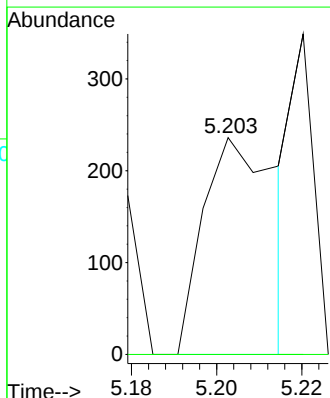
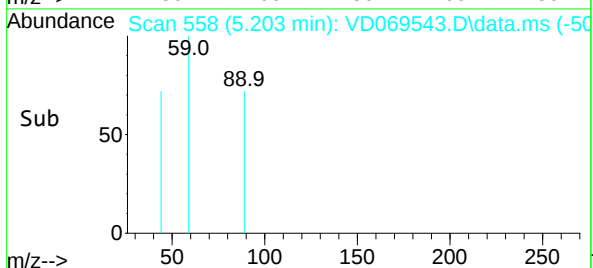
Tgt Ion:142 Resp: 327
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#

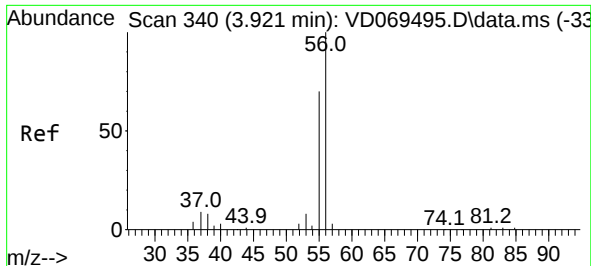


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.203 min Scan# 558
Delta R.T. -0.012 min
Lab File: VD069543.D
Acq: 23 Jun 2021 14:21



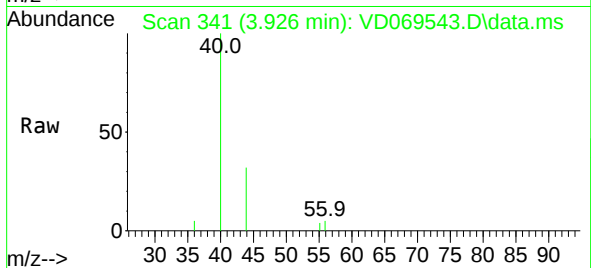
Tgt Ion: 59 Resp: 282
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#



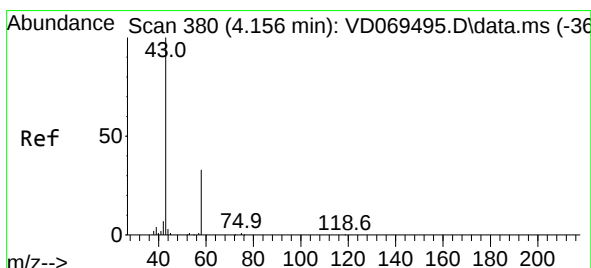
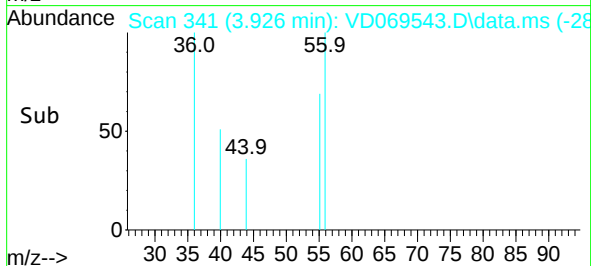
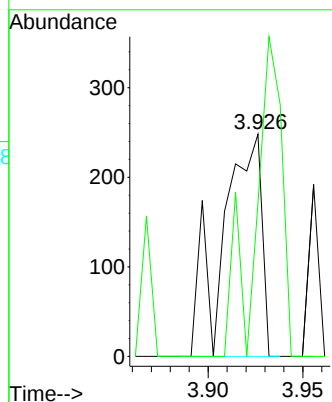


#13
Acrolein
Concen: 1.018 ug/l
RT: 3.926 min Scan# 341
Delta R.T. 0.006 min
Lab File: VD069543.D
Acq: 23 Jun 2021 14:21

Instrument :
MSVOA_D
ClientSampled :

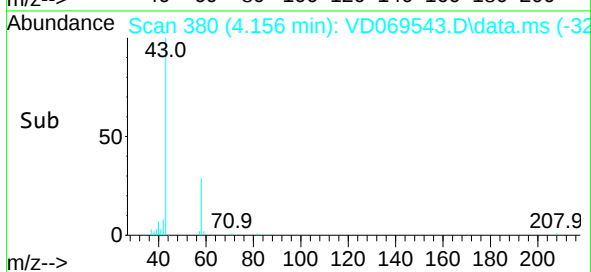
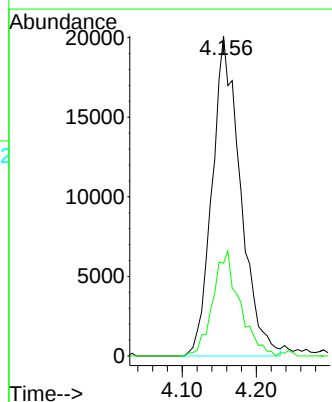
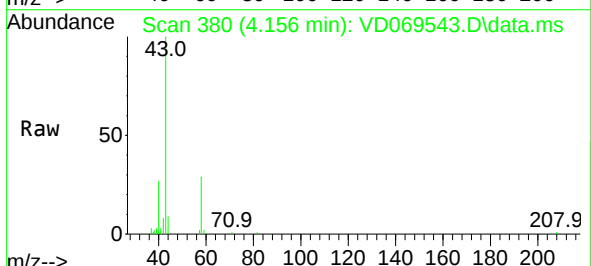


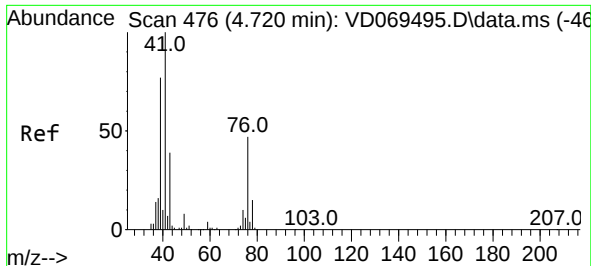
Tgt Ion: 56 Resp: 355
Ion Ratio Lower Upper
56 100
55 98.6 56.0 84.0#



#16
Acetone
Concen: 50.593 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069543.D
Acq: 23 Jun 2021 14:21

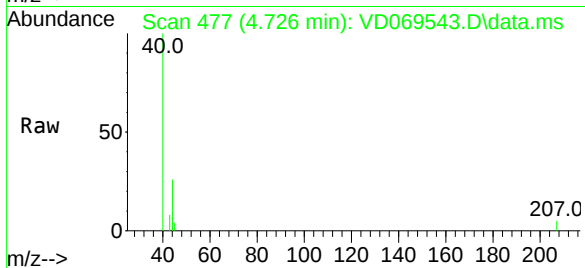
Tgt Ion: 43 Resp: 53347
Ion Ratio Lower Upper
43 100
58 29.0 26.8 40.2



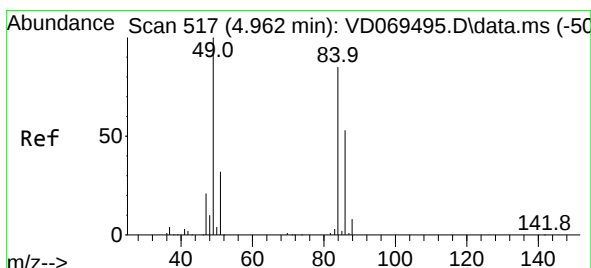
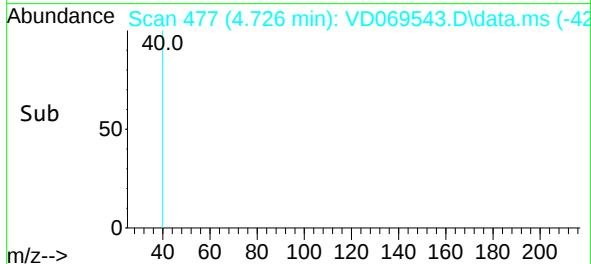
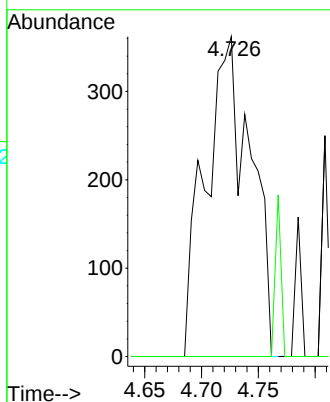


#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD069543.D
Acq: 23 Jun 2021 14:21

Instrument :
MSVOA_D
ClientSampled :

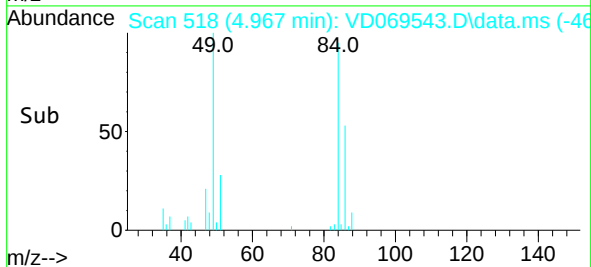
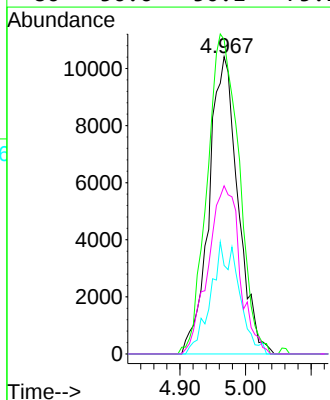
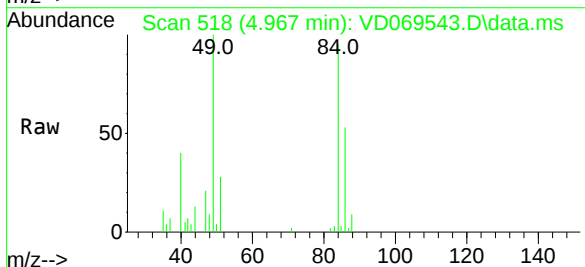


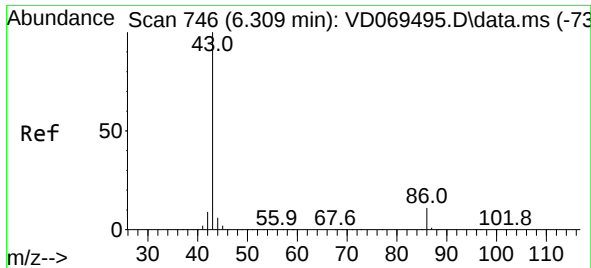
Tgt Ion: 43 Resp: 1000
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069543.D
Acq: 23 Jun 2021 14:21

Tgt Ion: 84 Resp: 31931
Ion Ratio Lower Upper
84 100
49 105.7 94.0 141.0
51 29.7 29.7 44.5
86 56.6 50.1 75.1

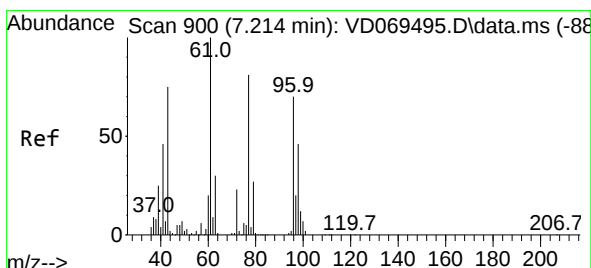
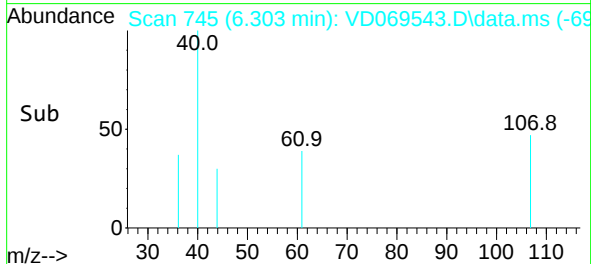
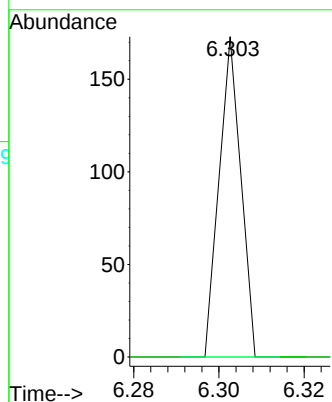
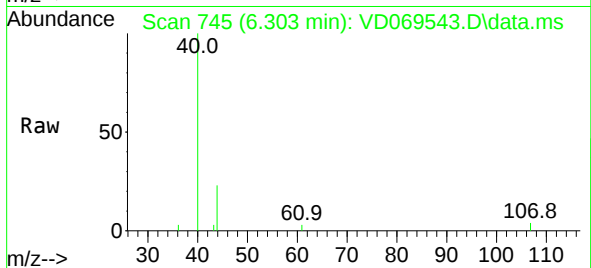




#23
 Vinyl Acetate
 Concen: 19.017 ug/l
 RT: 6.303 min Scan# 745
 Delta R.T. -0.006 min
 Lab File: VD069543.D
 Acq: 23 Jun 2021 14:21

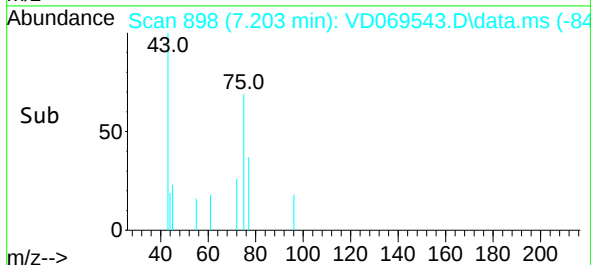
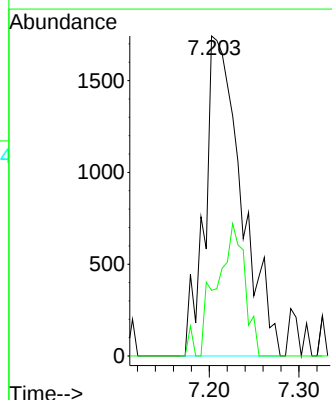
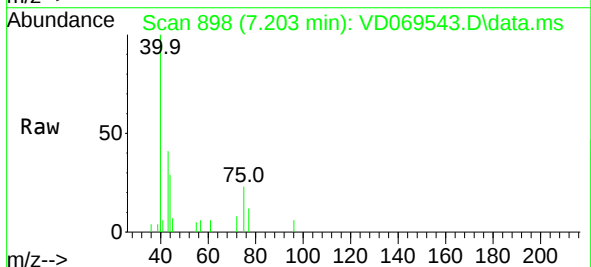
Instrument :
 MSVOA_D
 ClientSampleId :

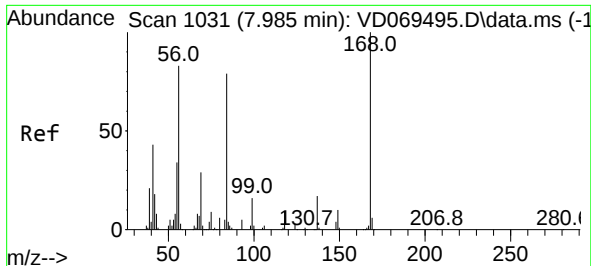
Tgt Ion: 43 Resp: 61
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#25
 2-Butanone
 Concen: 3.679 ug/l
 RT: 7.203 min Scan# 898
 Delta R.T. -0.012 min
 Lab File: VD069543.D
 Acq: 23 Jun 2021 14:21

Tgt Ion: 43 Resp: 4929
 Ion Ratio Lower Upper
 43 100
 72 20.5 24.3 36.5#

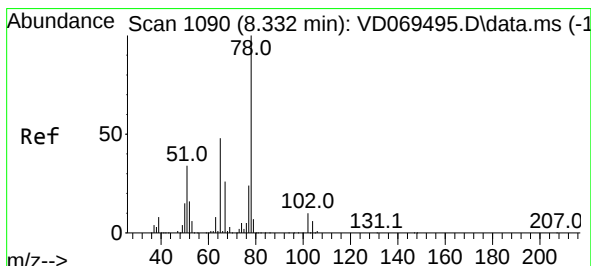
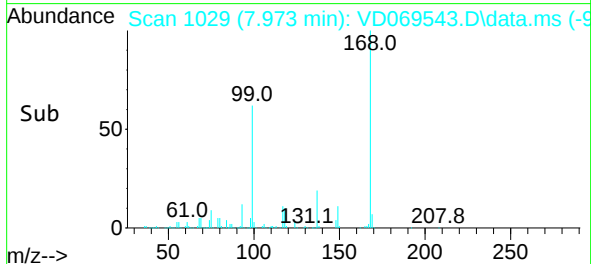
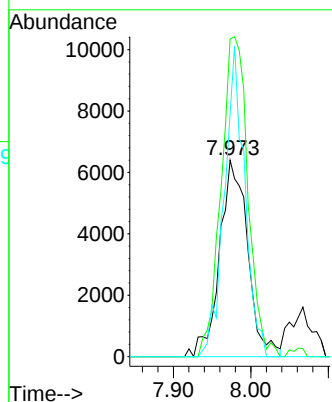
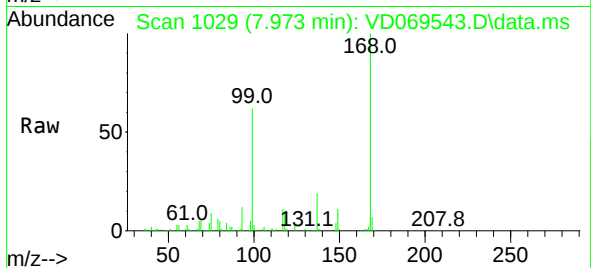




#31
Cyclohexane
Concen: 1.915 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069543.D
Acq: 23 Jun 2021 14:21

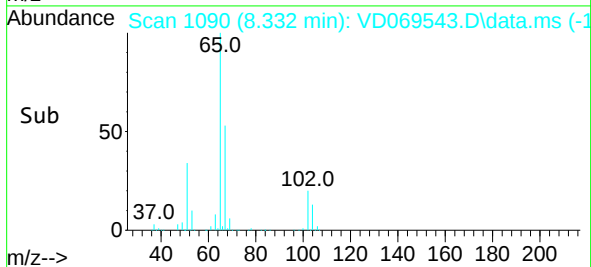
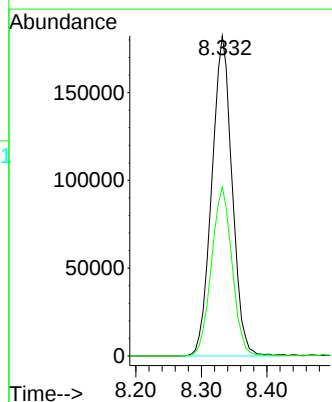
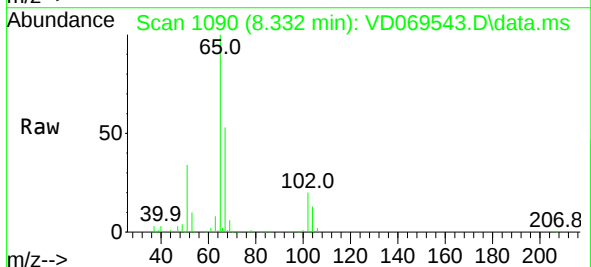
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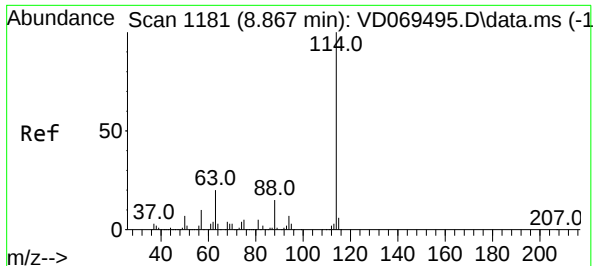
Tgt Ion: 56 Resp: 16157
Ion Ratio Lower Upper
56 100
69 161.7 28.0 42.0#
84 123.9 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 62.472 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069543.D
Acq: 23 Jun 2021 14:21

Tgt Ion: 65 Resp: 391362
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.6

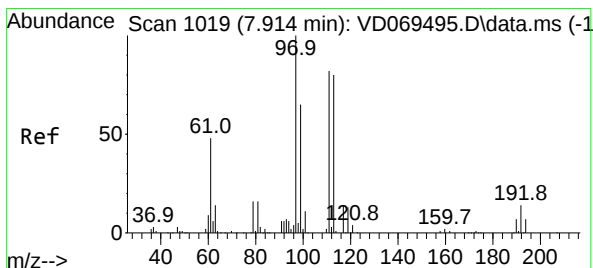
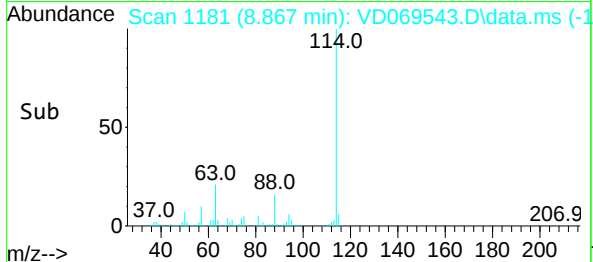
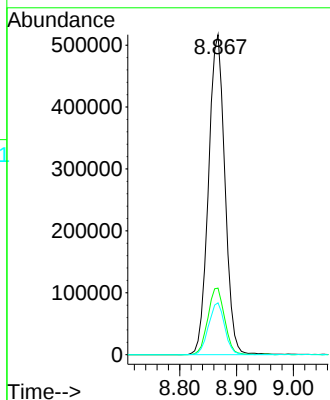
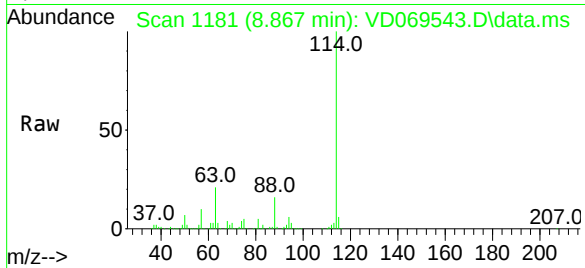




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069543.D
Acq: 23 Jun 2021 14:21

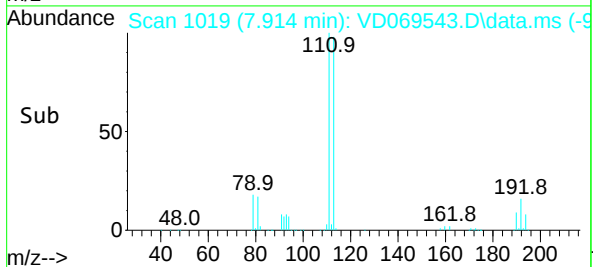
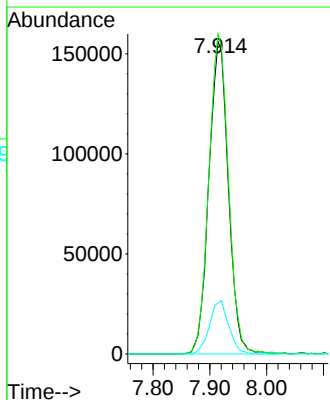
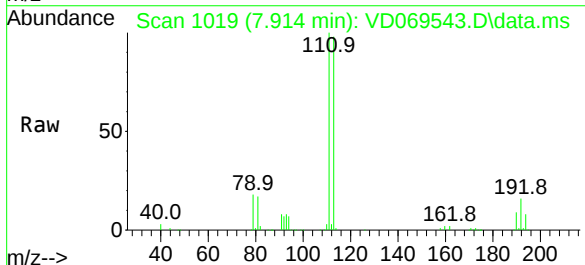
Instrument :
MSVOA_D
ClientSampled :

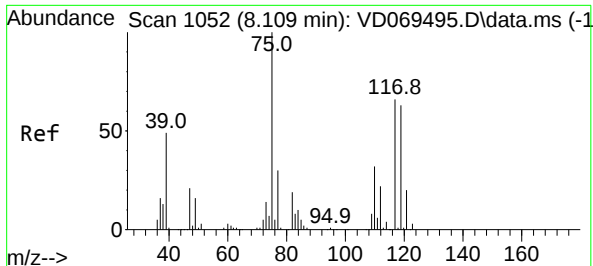
Tgt Ion:114 Resp: 1034404
Ion Ratio Lower Upper
114 100
63 20.8 0.0 39.6
88 16.2 0.0 29.8



#35
Dibromofluoromethane
Concen: 53.062 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069543.D
Acq: 23 Jun 2021 14:21

Tgt Ion:113 Resp: 371028
Ion Ratio Lower Upper
113 100
111 103.3 81.8 122.8
192 16.7 13.8 20.6

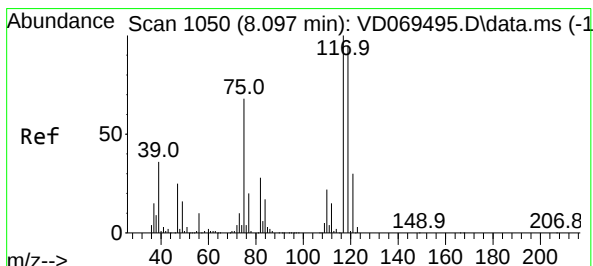
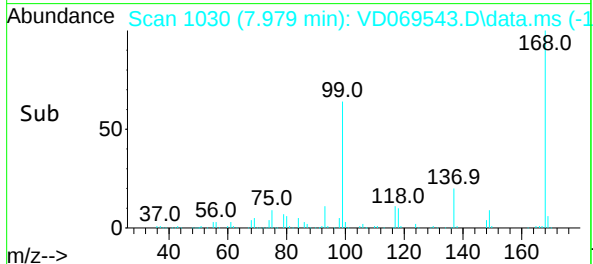
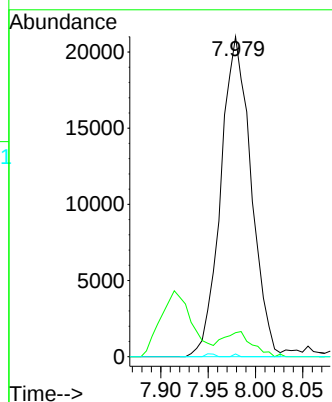
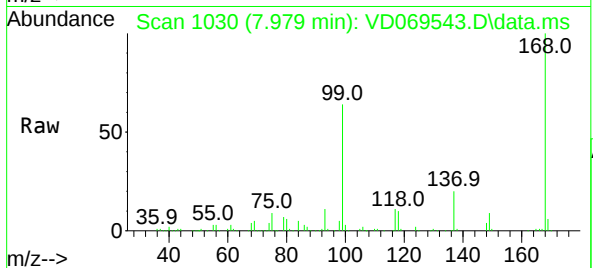




#36
1,1-Dichloropropene
Concen: 4.618 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069543.D
Acq: 23 Jun 2021 14:21

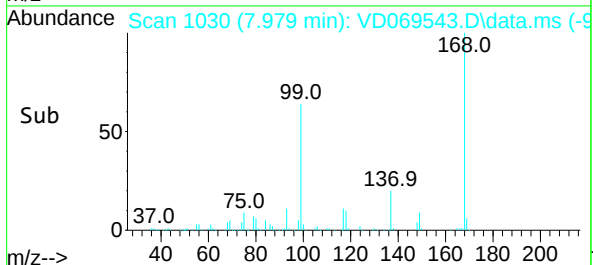
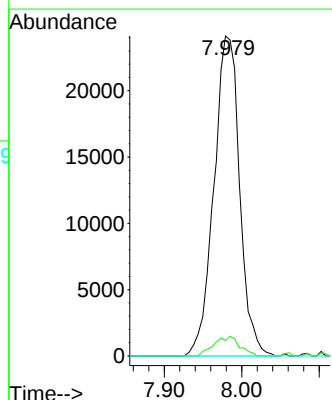
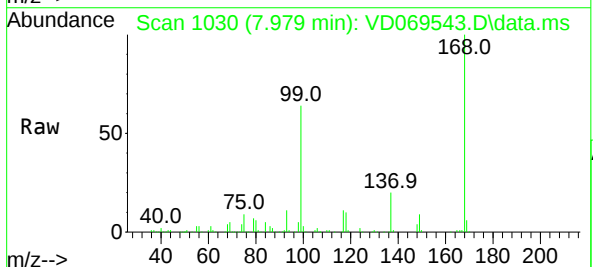
Instrument :
MSVOA_D
ClientSampled :

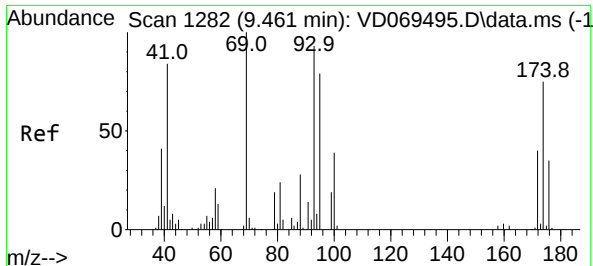
Tgt Ion: 75 Resp: 46879
Ion Ratio Lower Upper
75 100
110 7.7 16.8 50.4#
77 0.1 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.531 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069543.D
Acq: 23 Jun 2021 14:21

Tgt Ion: 117 Resp: 55574
Ion Ratio Lower Upper
117 100
119 4.9 75.6 113.4#
121 0.0 23.8 35.8#

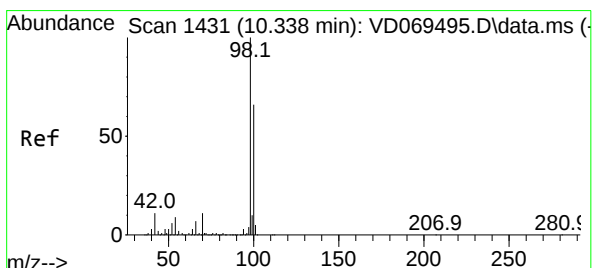
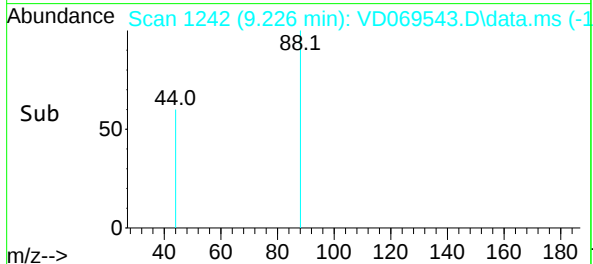
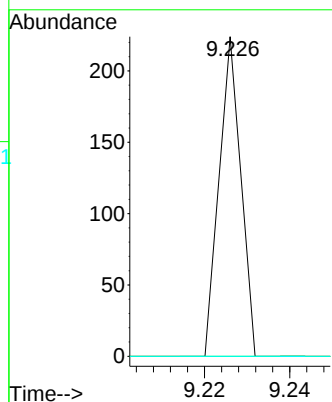
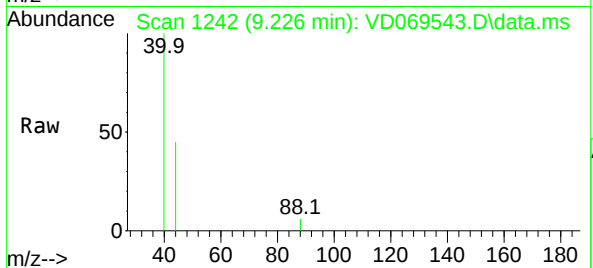




#49
1,4-Dioxane
Concen: 2.038 ug/l
RT: 9.226 min Scan# 1242
Delta R.T. -0.235 min
Lab File: VD069543.D
Acq: 23 Jun 2021 14:21

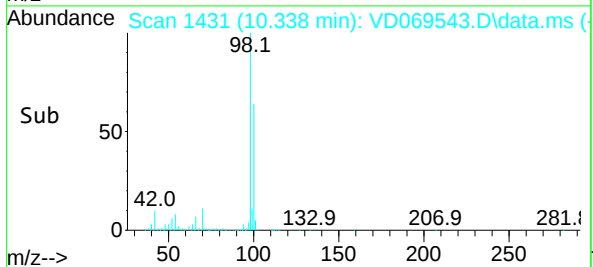
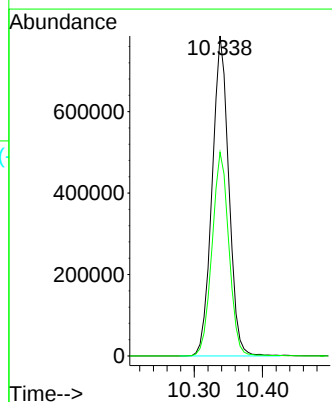
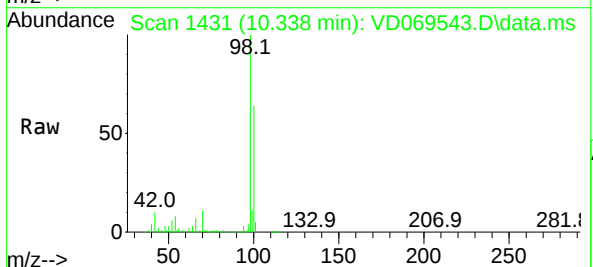
Instrument :
MSVOA_D
ClientSampled :

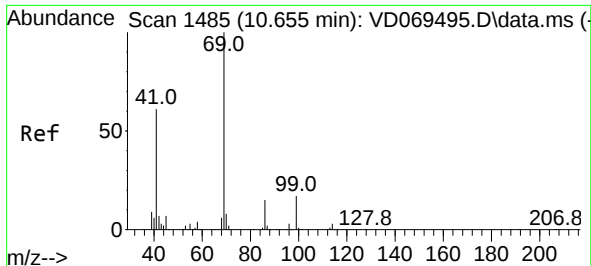
Tgt Ion: 88 Resp: 79
Ion Ratio Lower Upper
88 100
43 0.0 26.5 39.7#
58 0.0 56.0 84.0#



#50
Toluene-d8
Concen: 51.118 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069543.D
Acq: 23 Jun 2021 14:21

Tgt Ion: 98 Resp: 1340719
Ion Ratio Lower Upper
98 100
100 64.3 52.3 78.5

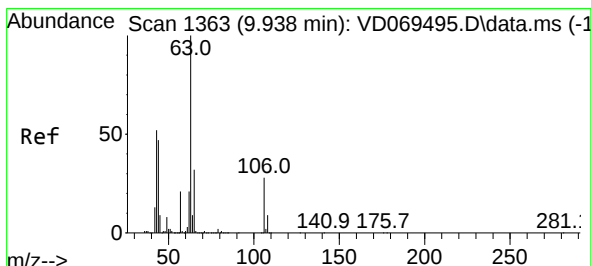
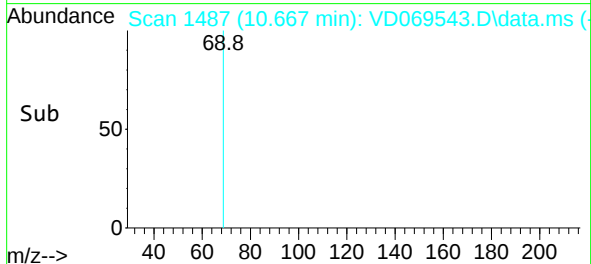
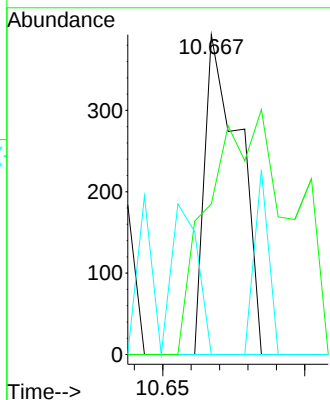
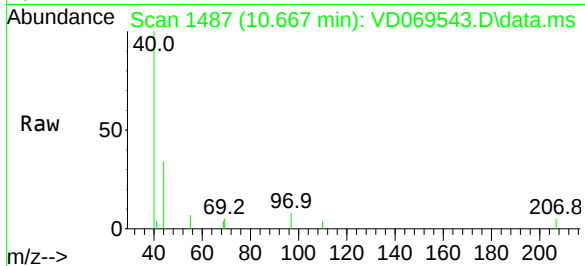




#56
Ethyl methacrylate
Concen: 2.630 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD069543.D
Acq: 23 Jun 2021 14:21

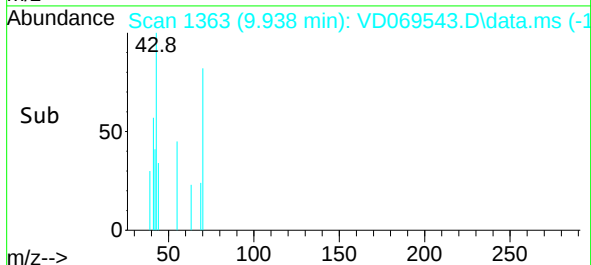
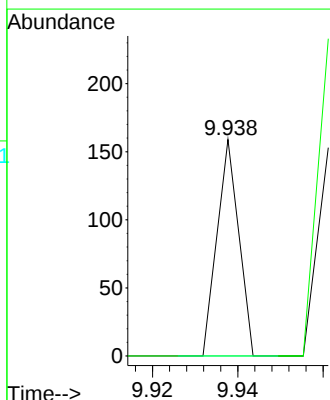
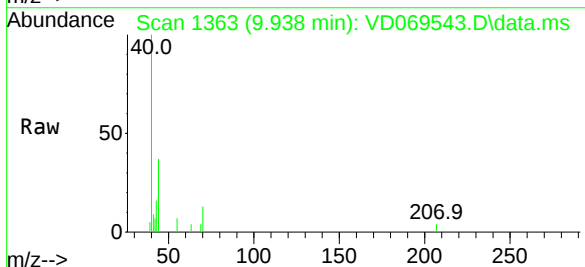
Instrument :
MSVOA_D
ClientSampled :

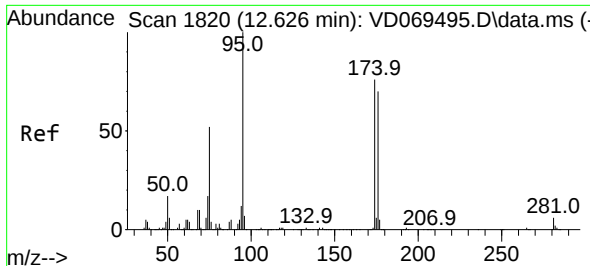
Tgt Ion: 69 Resp: 333
Ion Ratio Lower Upper
69 100
41 0.0 49.4 74.0#
39 35.7 26.9 40.3



#58
2-Chloroethyl Vinyl ether
Concen: 10.616 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069543.D
Acq: 23 Jun 2021 14:21

Tgt Ion: 63 Resp: 56
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#

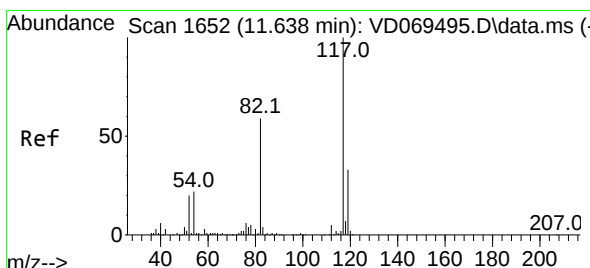
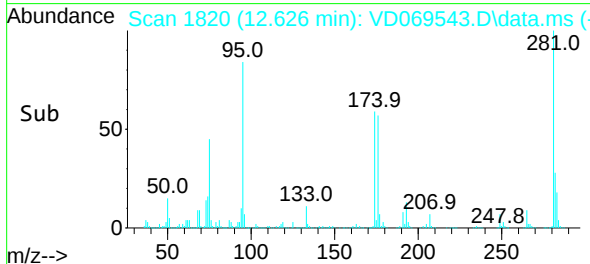
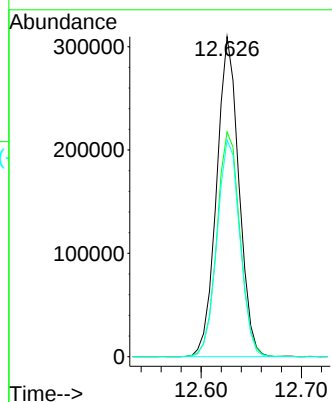
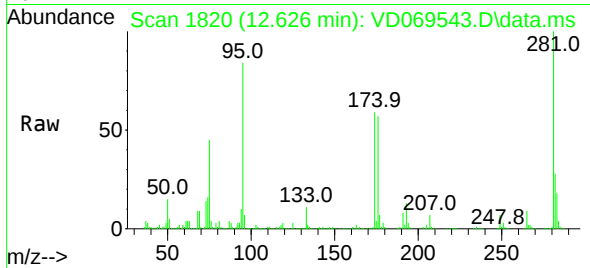




#62
4-Bromofluorobenzene
Concen: 55.385 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069543.D
Acq: 23 Jun 2021 14:21

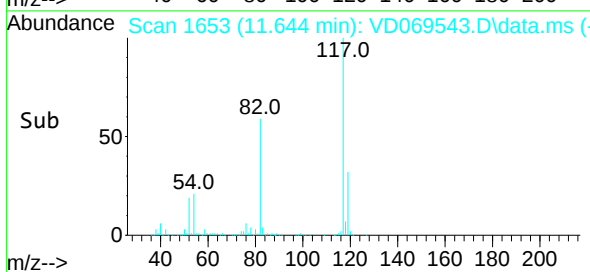
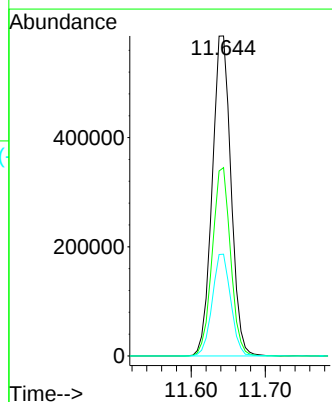
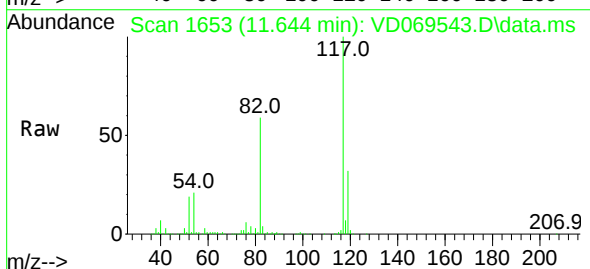
Instrument :
MSVOA_D
ClientSampleId :

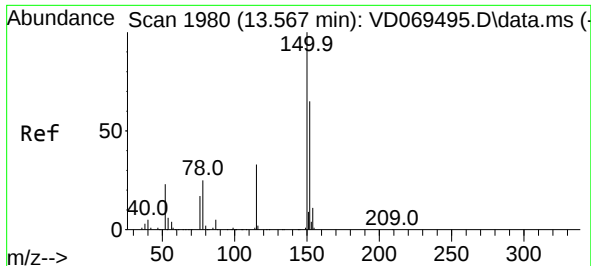
Tgt Ion: 95 Resp: 477565
Ion Ratio Lower Upper
95 100
174 72.6 0.0 148.0
176 69.7 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069543.D
Acq: 23 Jun 2021 14:21

Tgt Ion: 117 Resp: 1031018
Ion Ratio Lower Upper
117 100
82 58.9 46.8 70.2
119 31.8 26.2 39.2

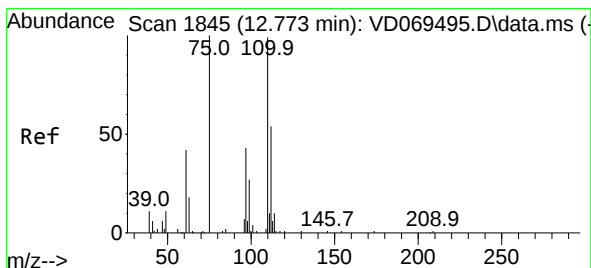
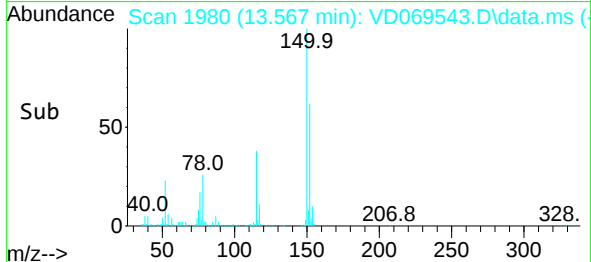
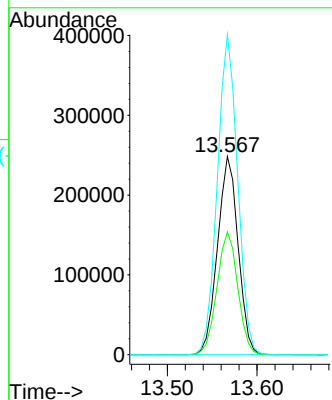
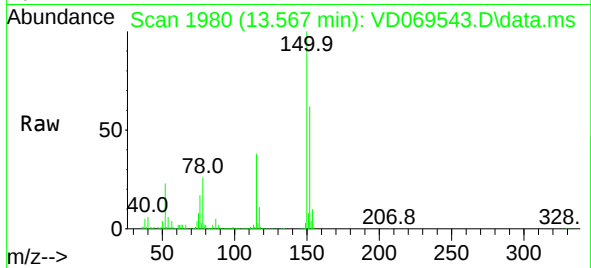




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069543.D
Acq: 23 Jun 2021 14:21

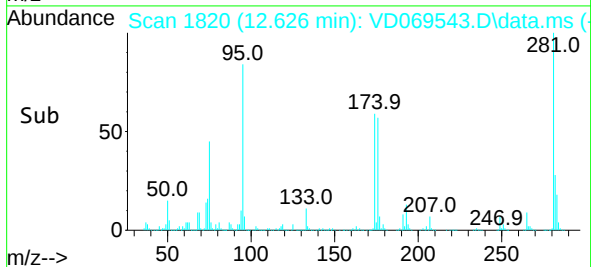
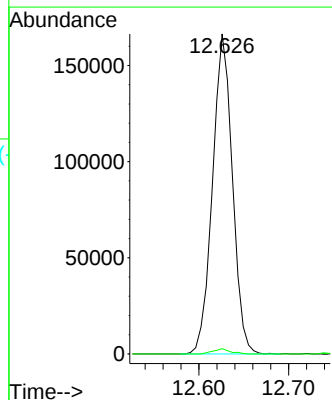
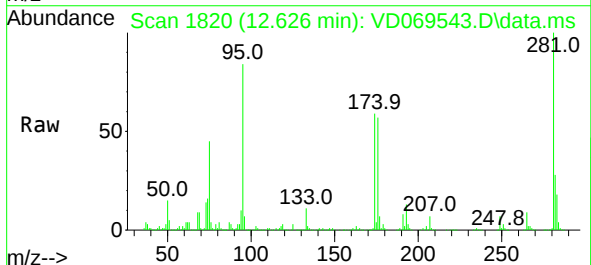
Instrument :
MSVOA_D
ClientSampleId :

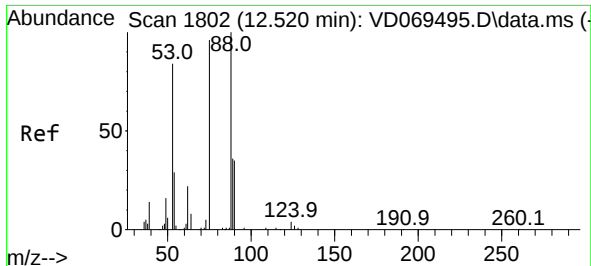
Tgt Ion:152 Resp: 395826
Ion Ratio Lower Upper
152 100
115 62.6 31.7 95.1
150 159.1 0.0 350.8



#76
1,2,3-Trichloropropane
Concen: 65.934 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069543.D
Acq: 23 Jun 2021 14:21

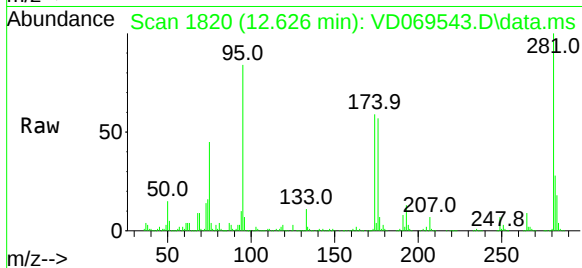
Tgt Ion: 75 Resp: 256191
Ion Ratio Lower Upper
75 100
77 1.4 162.6 487.8#



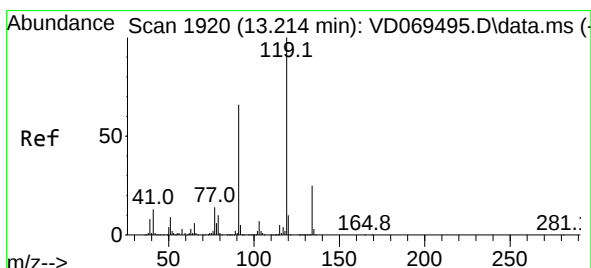
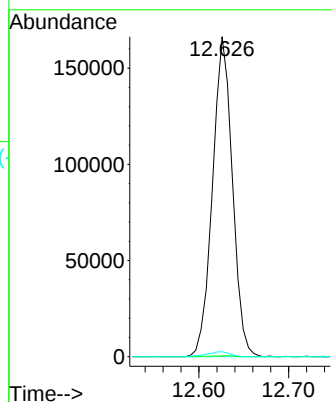
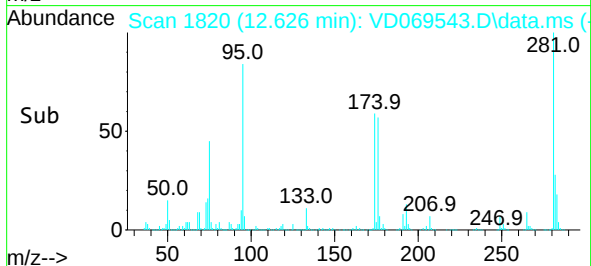


#81
 trans-1,4-Dichloro-2-butene
 Concen: 164.629 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069543.D
 Acq: 23 Jun 2021 14:21

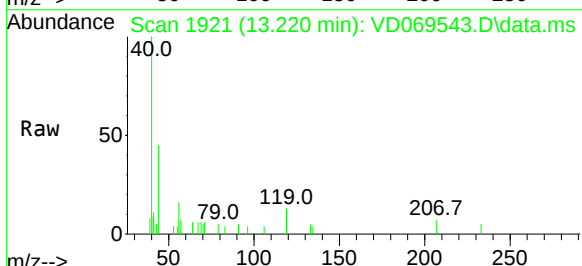
Instrument :
 MSVOA_D
 ClientSampleId :



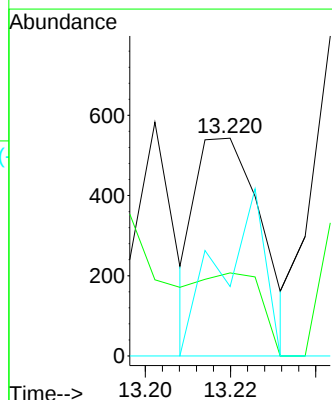
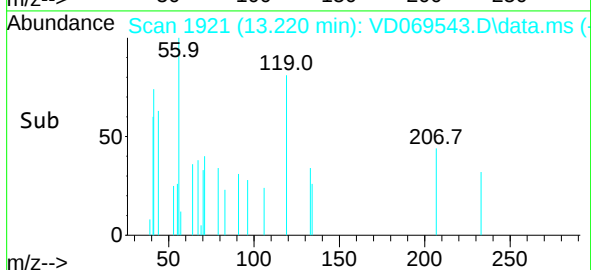
Tgt Ion: 75 Resp: 256191
 Ion Ratio Lower Upper
 75 100
 53 0.3 74.6 112.0#
 89 1.8 35.3 52.9#

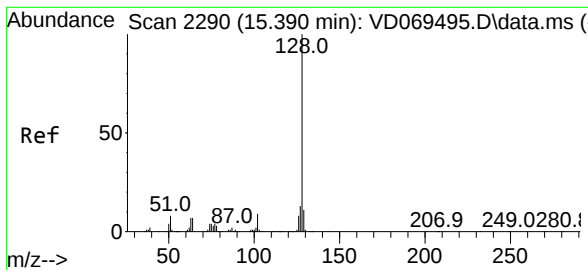


#83
 tert-Butylbenzene
 Concen: 2.019 ug/l
 RT: 13.220 min Scan# 1921
 Delta R.T. 0.006 min
 Lab File: VD069543.D
 Acq: 23 Jun 2021 14:21



Tgt Ion: 119 Resp: 579
 Ion Ratio Lower Upper
 119 100
 91 0.0 32.5 97.4#
 134 52.0 12.9 38.7#





#95
Naphthalene
Concen: 3.549 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069543.D
Acq: 23 Jun 2021 14:21

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 2575
Ion Ratio Lower Upper
128 100
127 5.0 10.6 16.0#
129 10.2 8.7 13.1

