

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080321\
 Data File : VD069963.D
 Acq On : 03 Aug 2021 13:48
 Operator : VA/SY
 Sample : M3268-04
 Misc : 5.44G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 01:32:08 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)

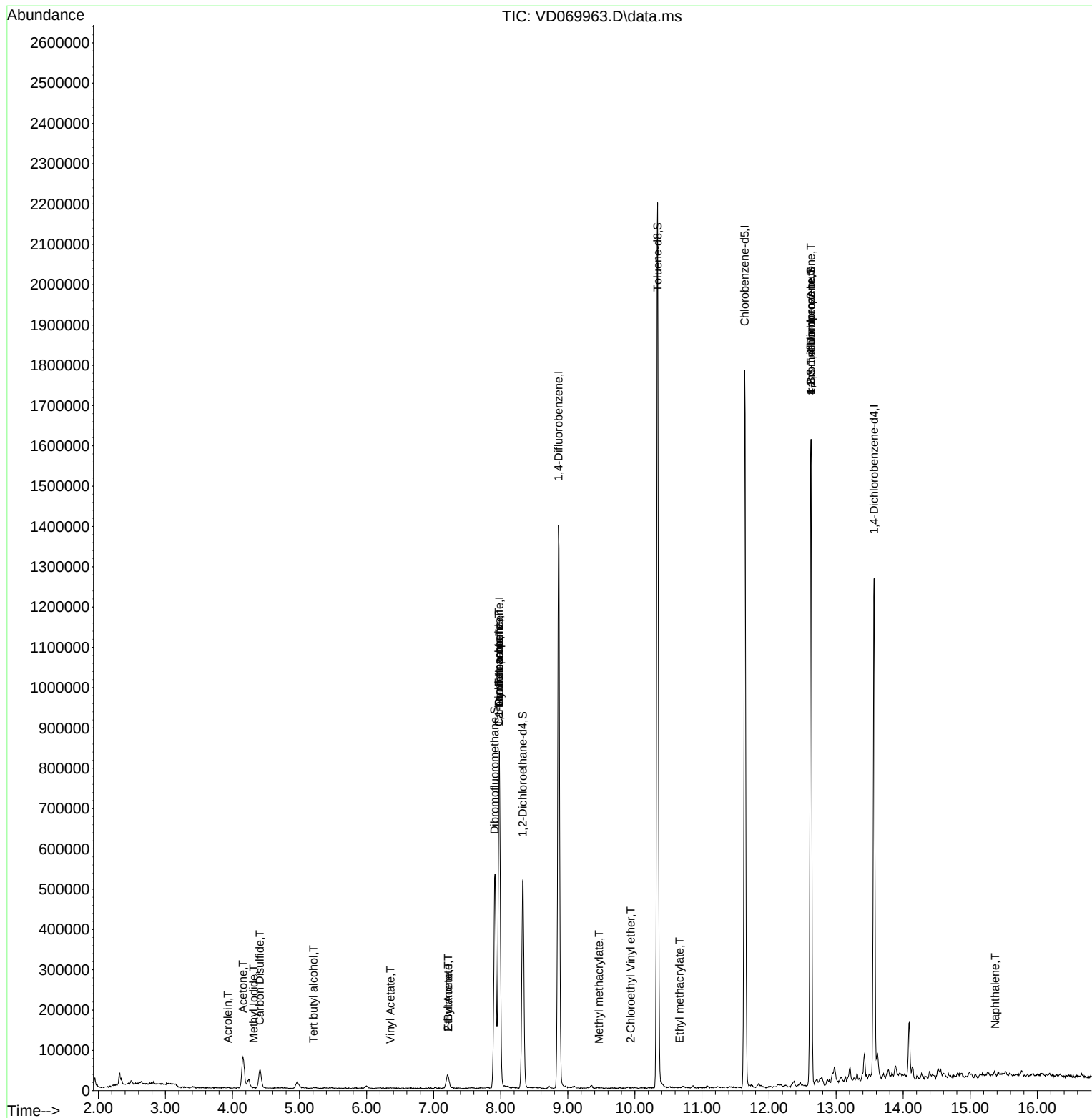
Internal Standards						
1) Pentafluorobenzene	7.979	168	579452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1191376	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1028513	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	329868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	409152	61.395	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.800%			
35) Dibromofluoromethane	7.909	113	399176	53.150	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.300%			
50) Toluene-d8	10.338	98	1500995	51.830	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.660%			
62) 4-Bromofluorobenzene	12.626	95	420924	43.491	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 86.980%			
Target Compounds						Qvalue
5) Bromomethane	2.785	94	2170	Below Cal		98
10) Methyl Iodide	4.315	142	1276	3.627 ug/l #		61
11) Tert butyl alcohol	5.209	59	2422	7.024 ug/l #		73
13) Acrolein	3.932	56	2271	4.705 ug/l		88
16) Acetone	4.156	43	138908	115.385 ug/l		94
17) Carbon Disulfide	4.409	76	97164	4.099 ug/l		96
20) Methylene Chloride	4.962	84	12396	Below Cal #		85
23) Vinyl Acetate	6.356	43	344	20.376 ug/l #		71
25) 2-Butanone	7.214	43	38886	23.819 ug/l		97
31) Cyclohexane	7.979	56	15714	1.207 ug/l #		1
36) 1,1-Dichloropropene	7.973	75	52163	4.057 ug/l #		49
37) Ethyl Acetate	7.214	43	38886	8.308 ug/l #		69
38) Carbon Tetrachloride	7.973	117	63773	5.430 ug/l #		17
48) Methyl methacrylate	9.467	41	305	2.811 ug/l #		69
56) Ethyl methacrylate	10.667	69	74	3.904 ug/l #		1
58) 2-Chloroethyl Vinyl ether	9.938	63	68	20.887 ug/l #		48
76) 1,2,3-Trichloropropane	12.626	75	210088	59.918 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	210088	181.776 ug/l #		16
95) Naphthalene	15.373	128	1966	5.163 ug/l #		68

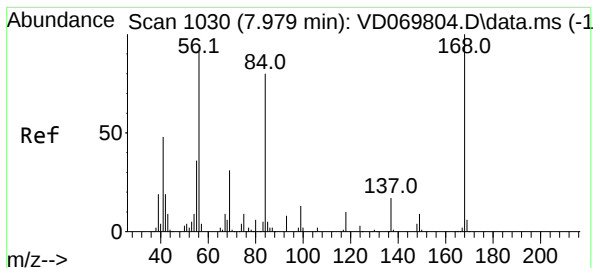
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 23 04:51:13 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: VD069963.D

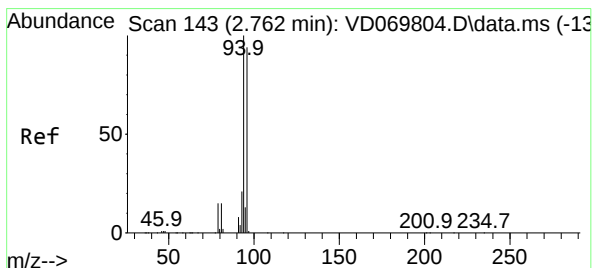
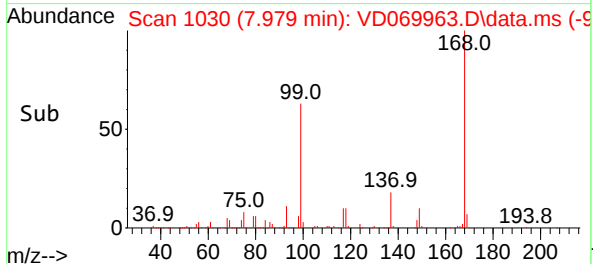
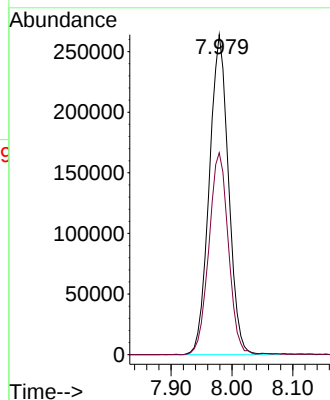
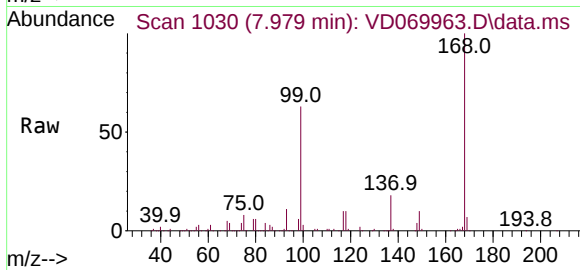
Acq: 03 Aug 2021 13:48

Tgt Ion:168 Resp: 579452

Ion Ratio Lower Upper

168 100

99 63.1 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.785 min Scan# 147

Delta R.T. 0.023 min

Lab File: VD069963.D

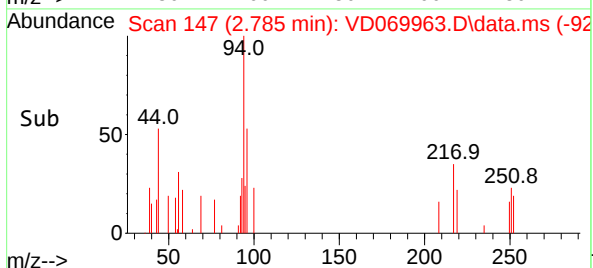
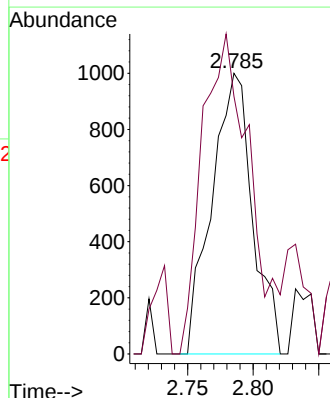
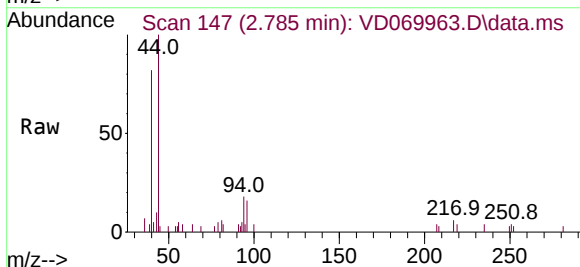
Acq: 03 Aug 2021 13:48

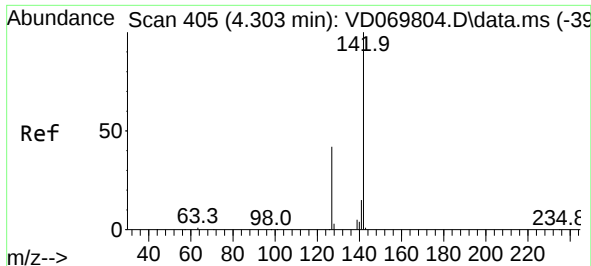
Tgt Ion: 94 Resp: 2170

Ion Ratio Lower Upper

94 100

96 91.8 74.8 112.2

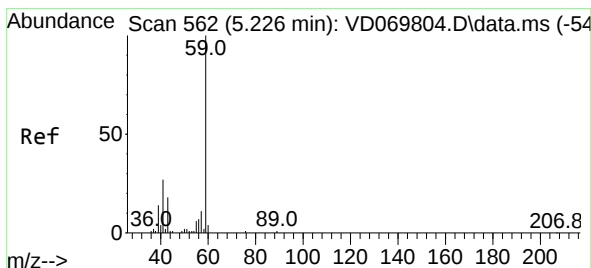
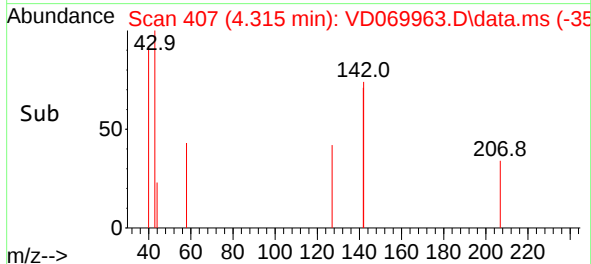
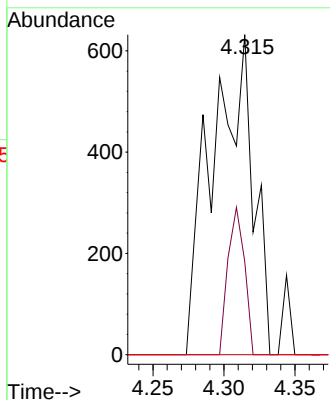
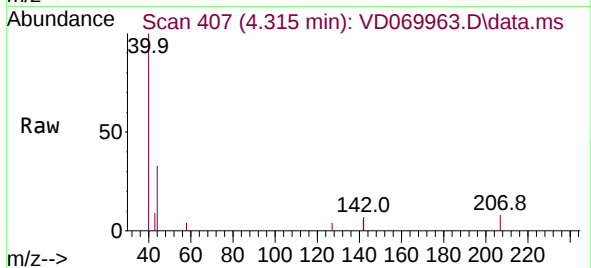




#10
Methyl Iodide
Concen: 3.627 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD069963.D
Acq: 03 Aug 2021 13:48

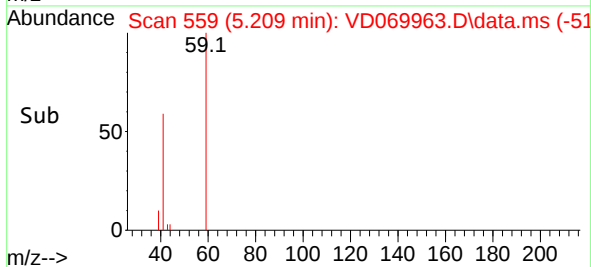
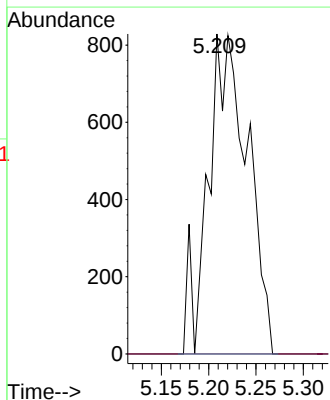
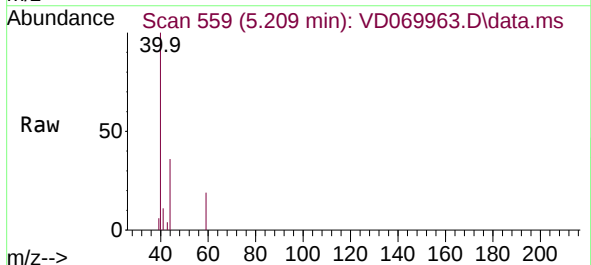
Instrument :
MSVOA_D
ClientSampled :

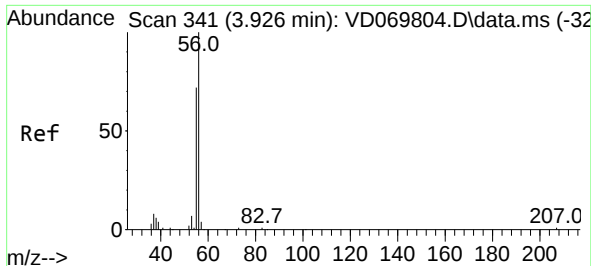
Tgt Ion:142 Resp: 1276
Ion Ratio Lower Upper
142 100
127 18.4 35.7 53.5#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 7.024 ug/l
RT: 5.209 min Scan# 559
Delta R.T. -0.018 min
Lab File: VD069963.D
Acq: 03 Aug 2021 13:48

Tgt Ion: 59 Resp: 2422
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

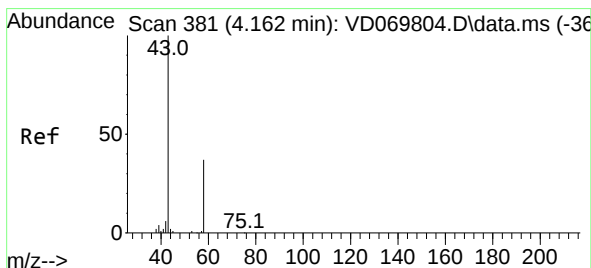
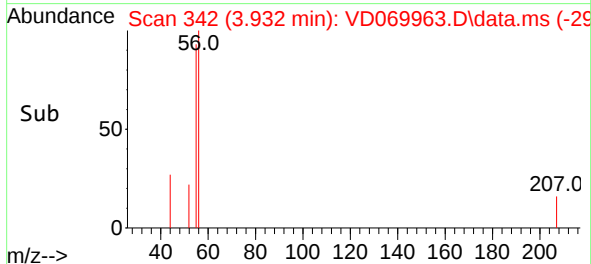
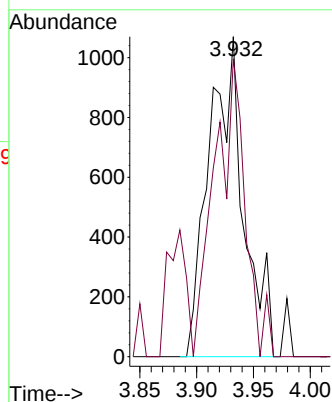
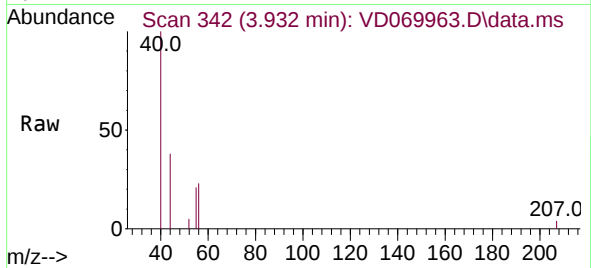




#13
Acrolein
Concen: 4.705 ug/l
RT: 3.932 min Scan# 342
Delta R.T. 0.006 min
Lab File: VD069963.D
Acq: 03 Aug 2021 13:48

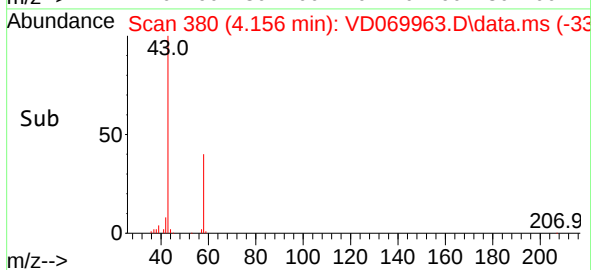
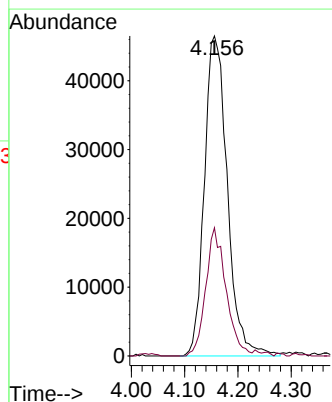
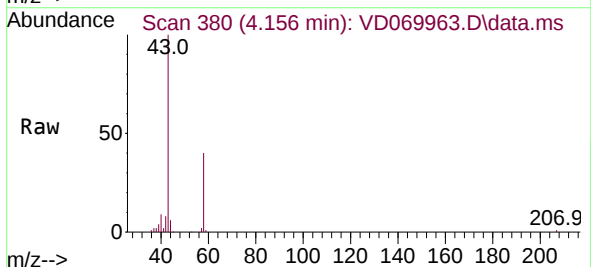
Instrument :
MSVOA_D
ClientSampled :

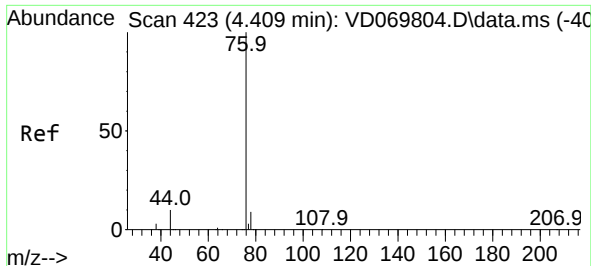
Tgt Ion: 56 Resp: 2271
Ion Ratio Lower Upper
56 100
55 81.6 57.2 85.8



#16
Acetone
Concen: 115.385 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069963.D
Acq: 03 Aug 2021 13:48

Tgt Ion: 43 Resp: 138908
Ion Ratio Lower Upper
43 100
58 40.1 29.4 44.0

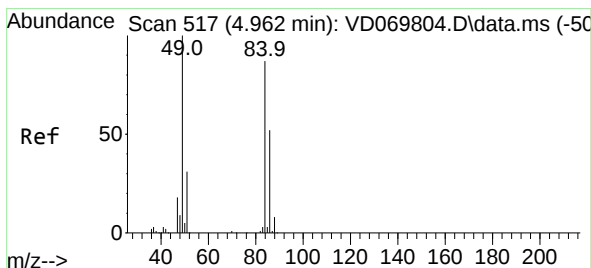
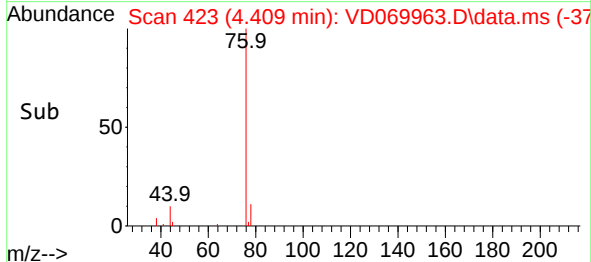
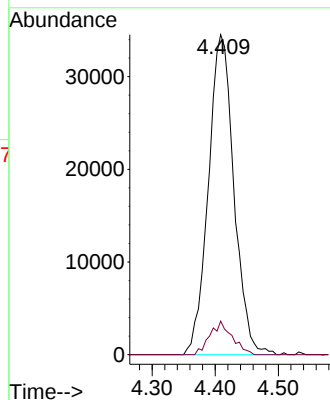
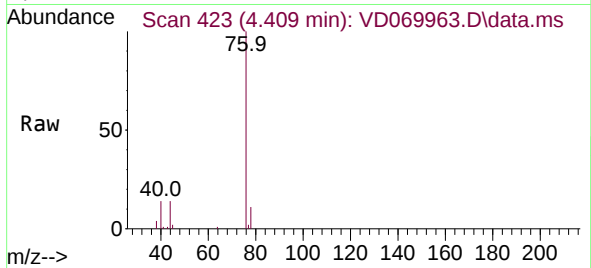




#17
Carbon Disulfide
Concen: 4.099 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069963.D
Acq: 03 Aug 2021 13:48

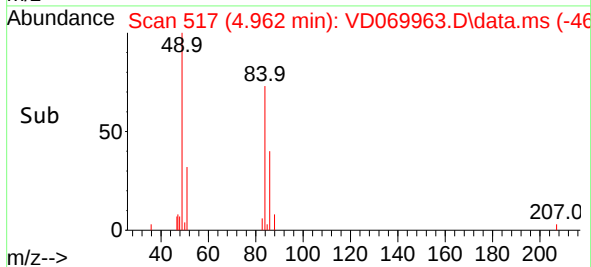
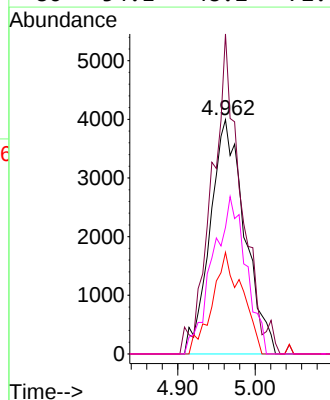
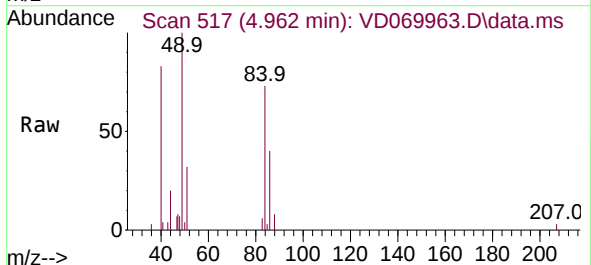
Instrument :
MSVOA_D
ClientSampled :

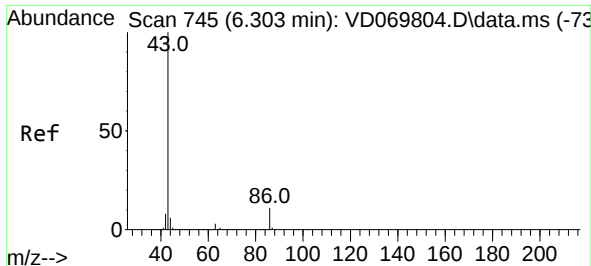
Tgt Ion: 76 Resp: 97164
Ion Ratio Lower Upper
76 100
78 10.5 7.3 10.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069963.D
Acq: 03 Aug 2021 13:48

Tgt Ion: 84 Resp: 12396
Ion Ratio Lower Upper
84 100
49 136.6 92.4 138.6
51 43.4 28.5 42.7#
86 54.1 48.2 72.4

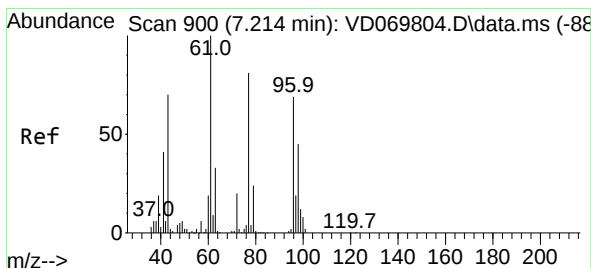
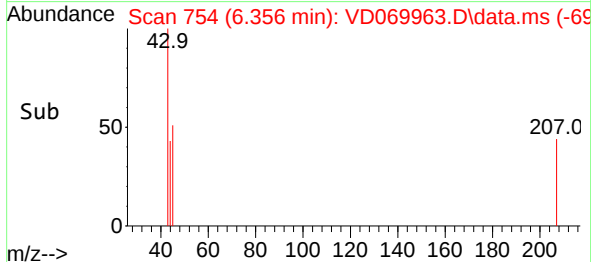
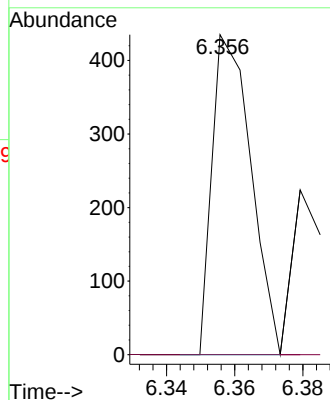
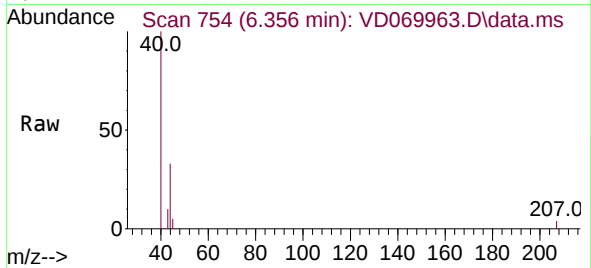




#23
 Vinyl Acetate
 Concen: 20.376 ug/l
 RT: 6.356 min Scan# 754
 Delta R.T. 0.053 min
 Lab File: VD069963.D
 Acq: 03 Aug 2021 13:48

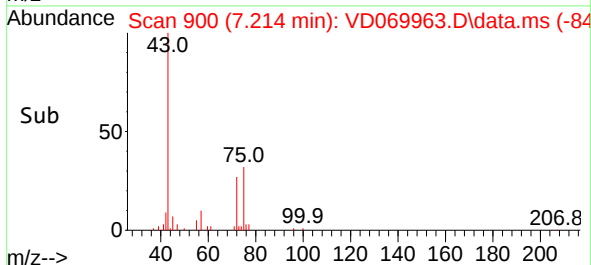
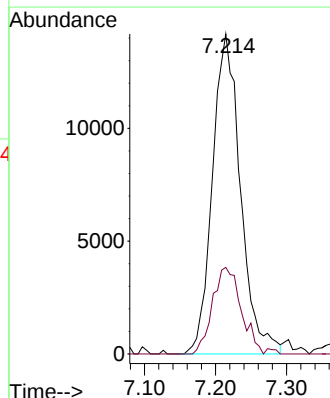
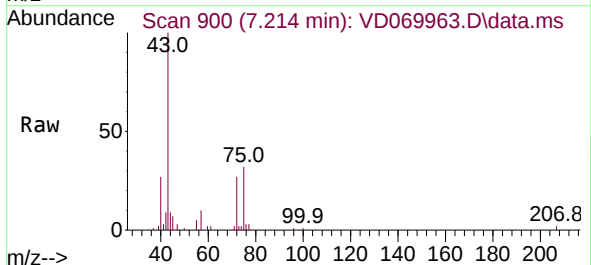
Instrument :
 MSVOA_D
 ClientSampled :

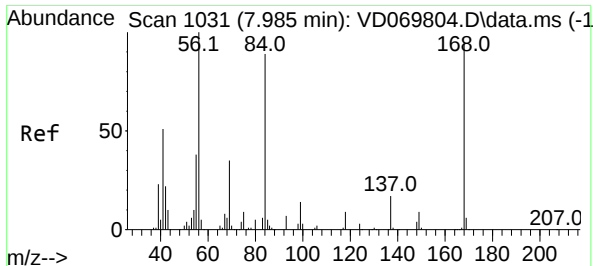
Tgt Ion: 43 Resp: 344
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 23.819 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. -0.000 min
 Lab File: VD069963.D
 Acq: 03 Aug 2021 13:48

Tgt Ion: 43 Resp: 38886
 Ion Ratio Lower Upper
 43 100
 72 27.0 22.8 34.2

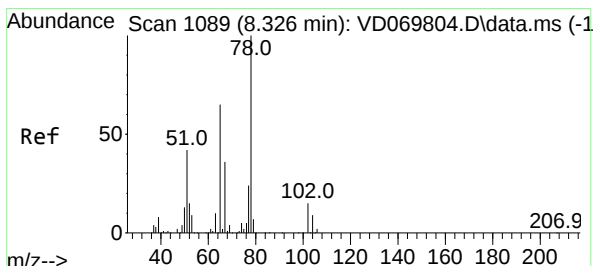
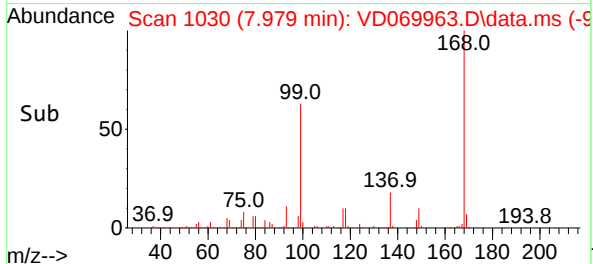
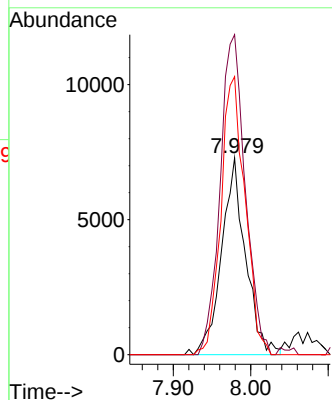
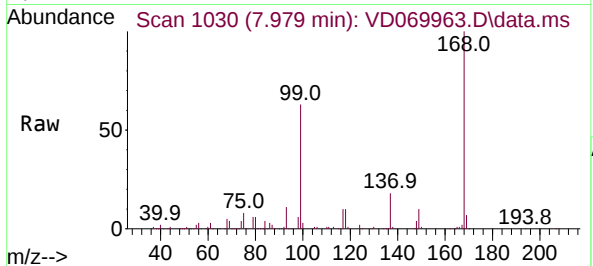




#31
Cyclohexane
Concen: 1.207 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069963.D
Acq: 03 Aug 2021 13:48

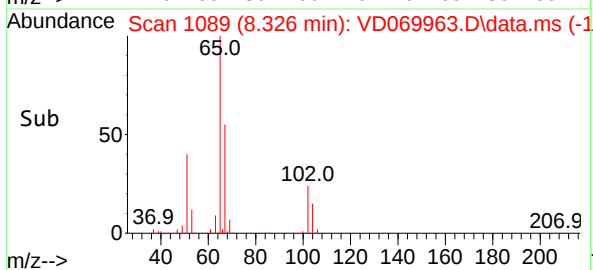
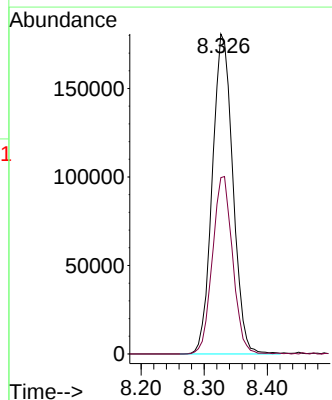
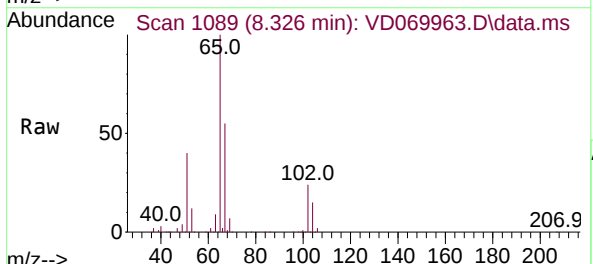
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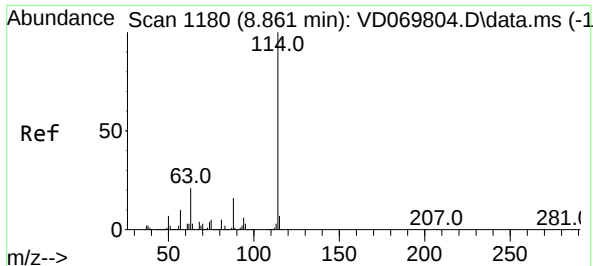
Tgt Ion: 56 Resp: 15714
Ion Ratio Lower Upper
56 100
69 162.6 27.9 41.9#
84 141.3 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 61.395 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069963.D
Acq: 03 Aug 2021 13:48

Tgt Ion: 65 Resp: 409152
Ion Ratio Lower Upper
65 100
67 54.4 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: VD069963.D

Acq: 03 Aug 2021 13:48

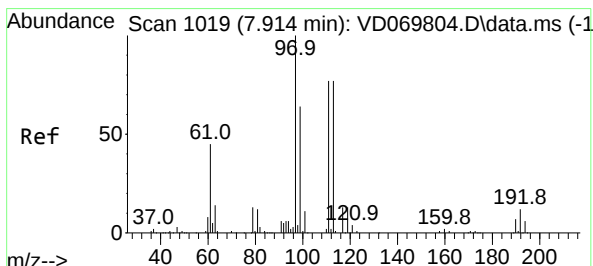
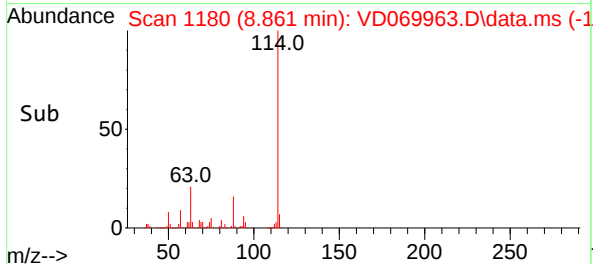
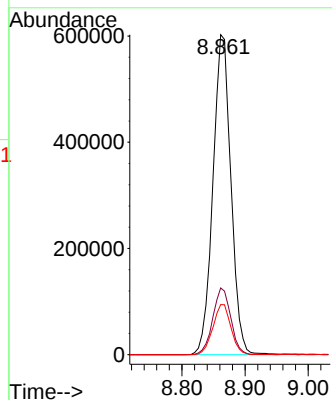
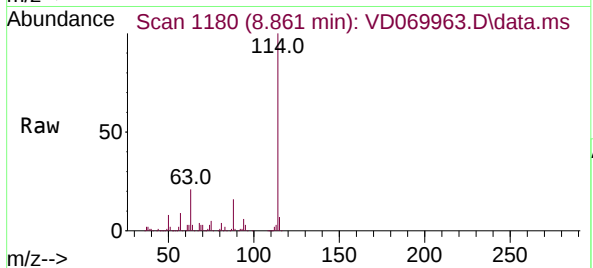
Tgt Ion:114 Resp: 1191376

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.6

88 15.6 0.0 31.4



#35

Dibromofluoromethane

Concen: 53.150 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD069963.D

Acq: 03 Aug 2021 13:48

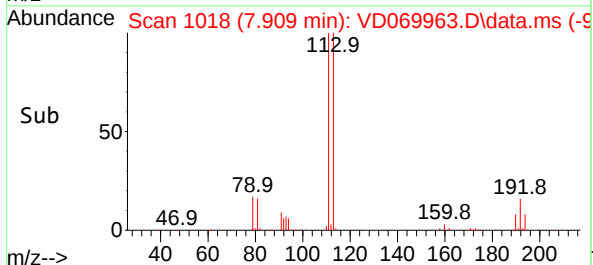
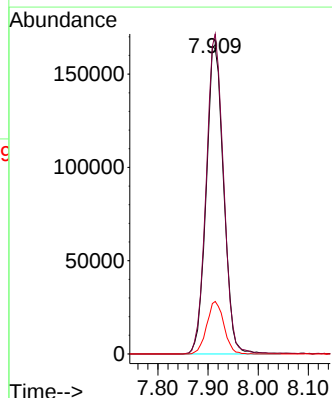
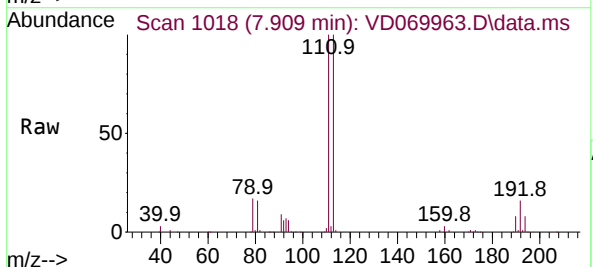
Tgt Ion:113 Resp: 399176

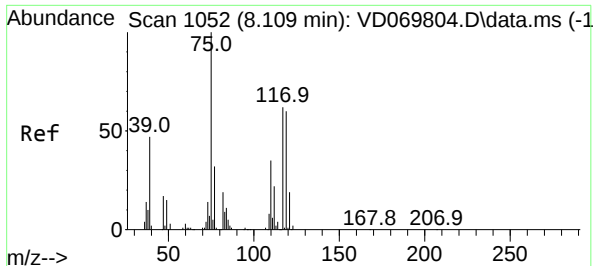
Ion Ratio Lower Upper

113 100

111 103.3 80.5 120.7

192 16.7 12.6 19.0

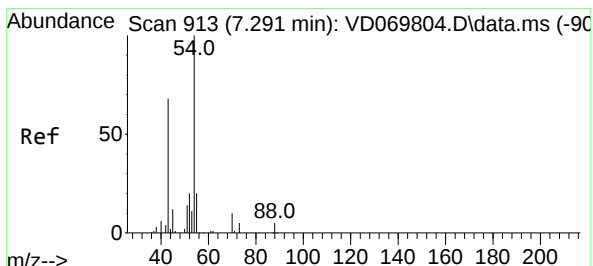
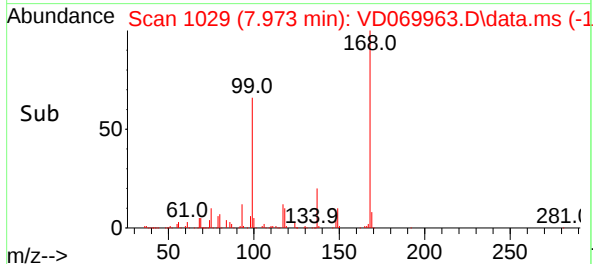
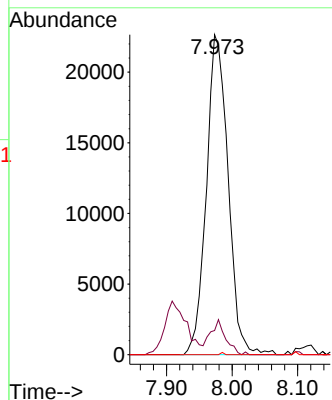
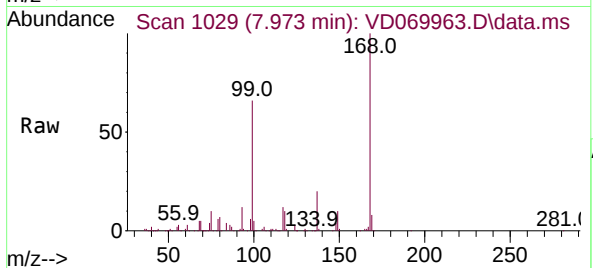




#36
1,1-Dichloropropene
Concen: 4.057 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069963.D
Acq: 03 Aug 2021 13:48

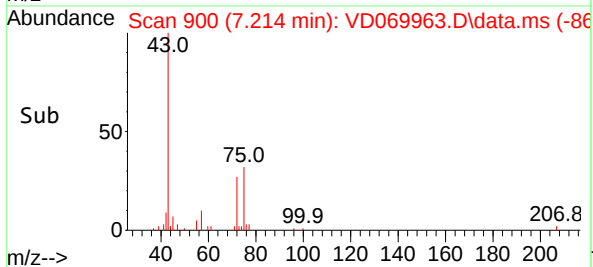
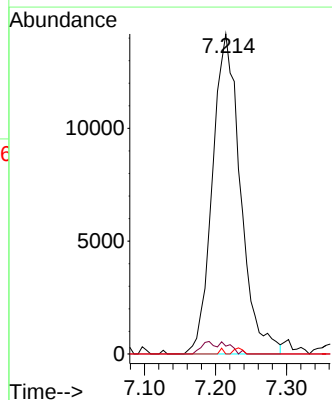
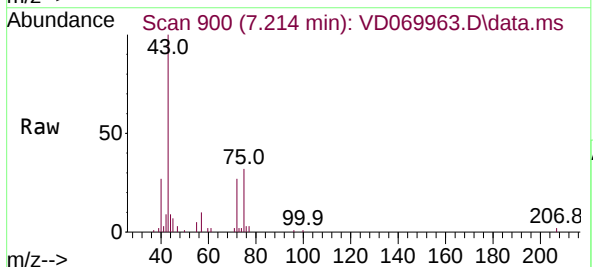
Instrument :
MSVOA_D
ClientSampleId :

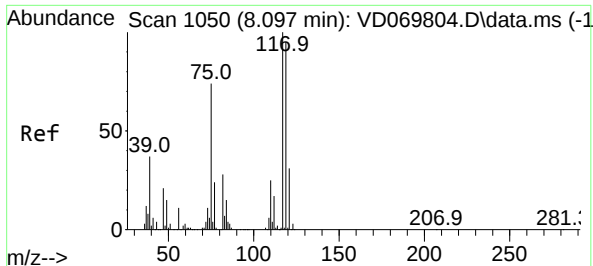
Tgt Ion: 75 Resp: 52163
Ion Ratio Lower Upper
75 100
110 7.6 16.9 50.7#
77 0.1 24.9 37.3#



#37
Ethyl Acetate
Concen: 8.308 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.076 min
Lab File: VD069963.D
Acq: 03 Aug 2021 13:48

Tgt Ion: 43 Resp: 38886
Ion Ratio Lower Upper
43 100
61 1.6 11.8 17.8#
70 0.2 8.9 13.3#

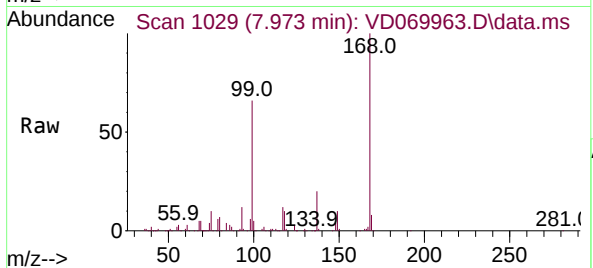




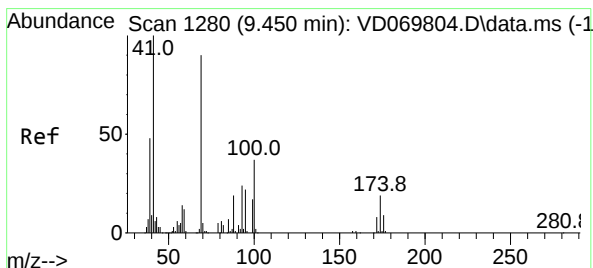
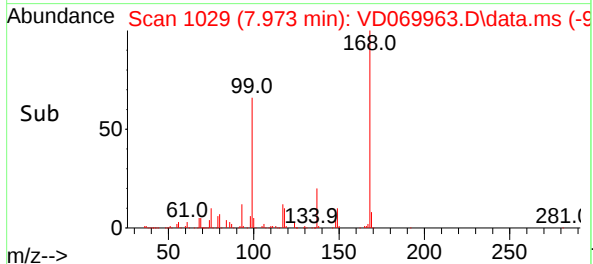
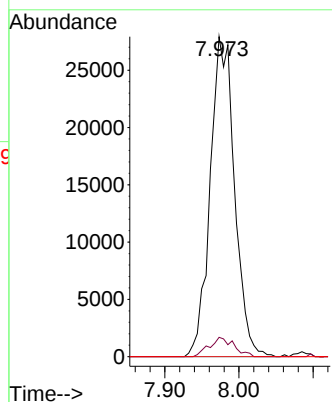
#38

Carbon Tetrachloride
Concen: 5.430 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069963.D
Acq: 03 Aug 2021 13:48

Instrument :
MSVOA_D
ClientSampled :



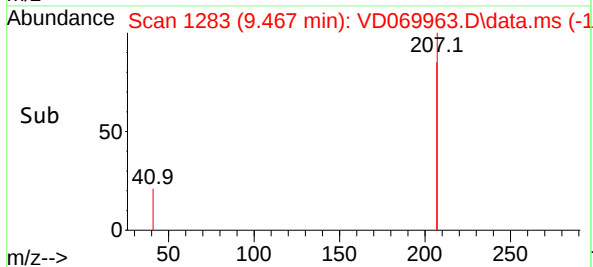
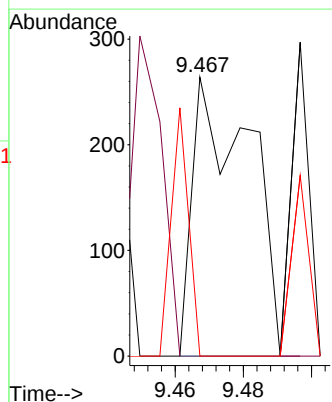
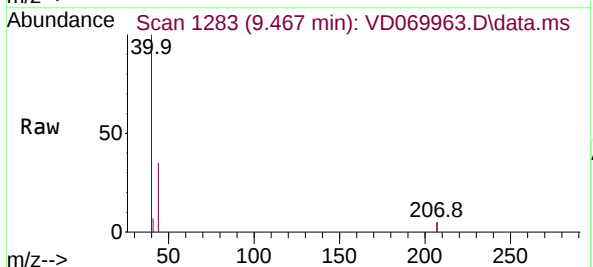
Tgt Ion:117 Resp: 63773
Ion Ratio Lower Upper
117 100
119 6.0 76.2 114.2#
121 0.0 24.5 36.7#

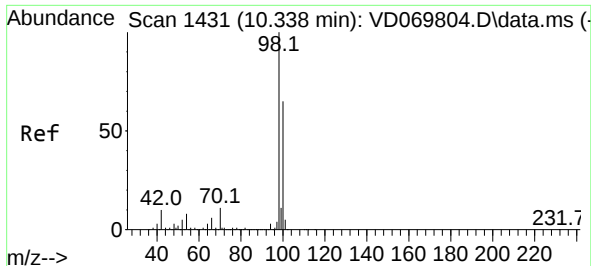


#48

Methyl methacrylate
Concen: 2.811 ug/l
RT: 9.467 min Scan# 1283
Delta R.T. 0.017 min
Lab File: VD069963.D
Acq: 03 Aug 2021 13:48

Tgt Ion: 41 Resp: 305
Ion Ratio Lower Upper
41 100
69 60.7 73.4 110.2#
39 27.2 36.6 55.0#

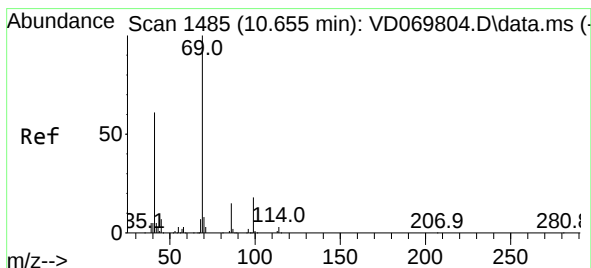
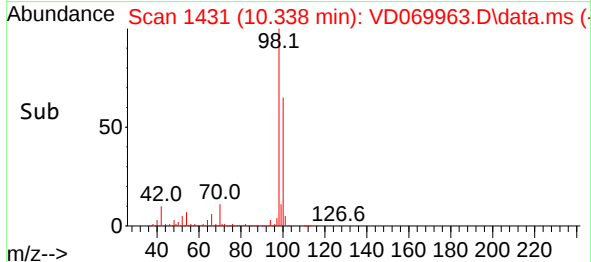
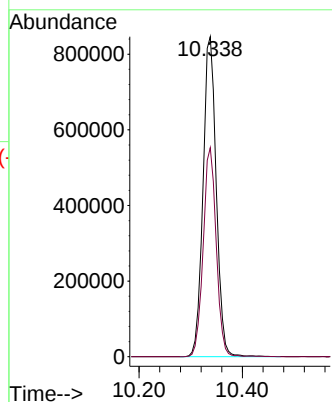
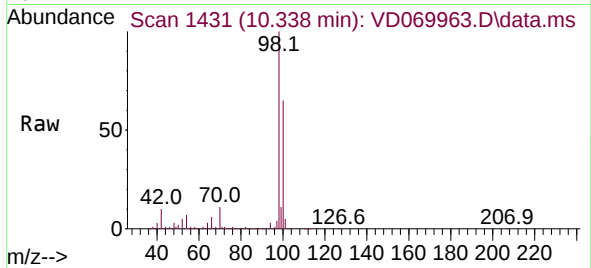




#50
Toluene-d8
Concen: 51.830 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069963.D
Acq: 03 Aug 2021 13:48

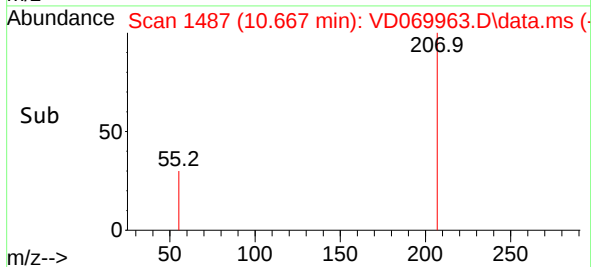
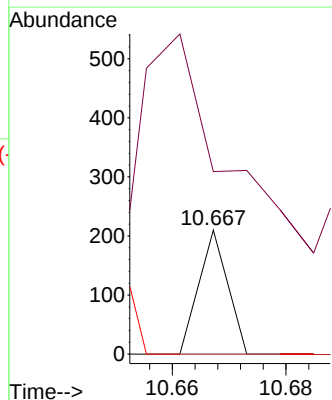
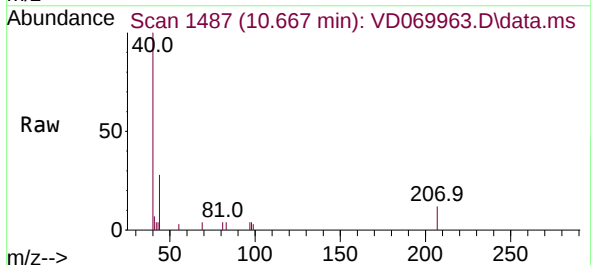
Instrument :
MSVOA_D
ClientSampleId :

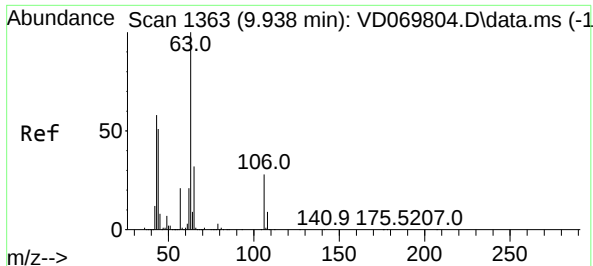
Tgt Ion: 98 Resp: 1500995
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.904 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD069963.D
Acq: 03 Aug 2021 13:48

Tgt Ion: 69 Resp: 74
Ion Ratio Lower Upper
69 100
41 982.4 50.2 75.2#
39 213.5 22.0 33.0#

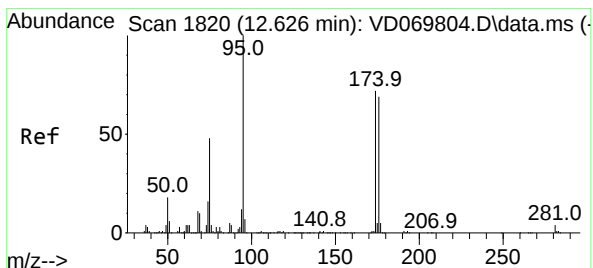
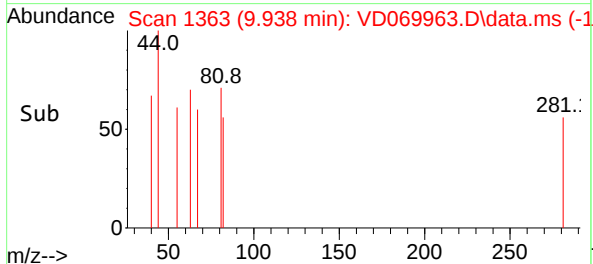
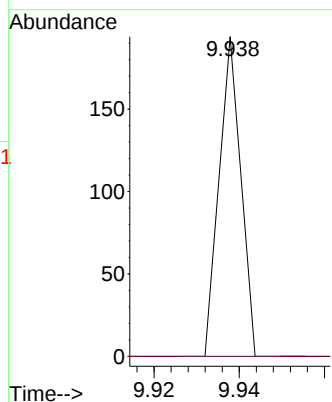
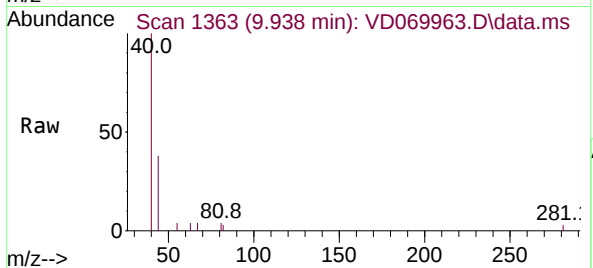




#58
2-Chloroethyl Vinyl ether
Concen: 20.887 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069963.D
Acq: 03 Aug 2021 13:48

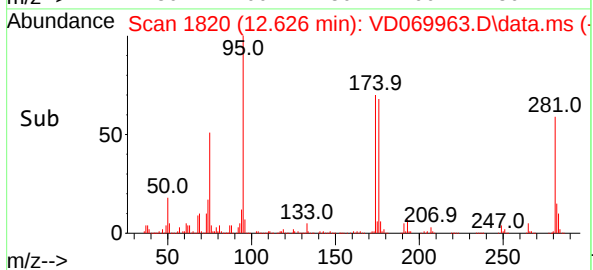
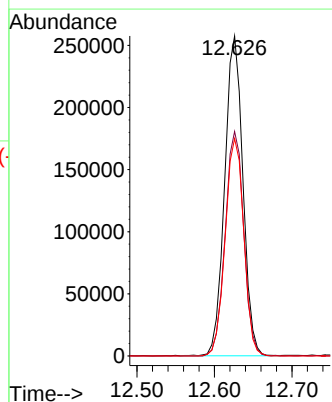
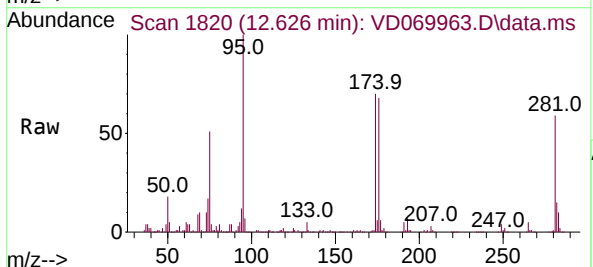
Instrument :
MSVOA_D
ClientSampled :

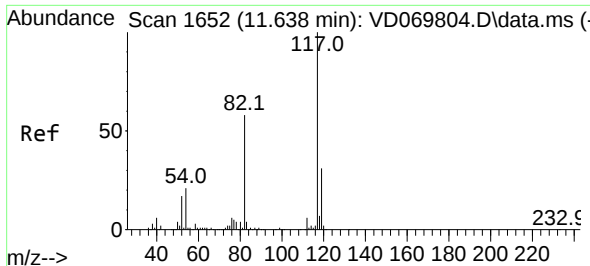
Tgt Ion: 63 Resp: 68
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#



#62
4-Bromofluorobenzene
Concen: 43.491 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069963.D
Acq: 03 Aug 2021 13:48

Tgt Ion: 95 Resp: 420924
Ion Ratio Lower Upper
95 100
174 71.3 0.0 142.6
176 69.4 0.0 134.2

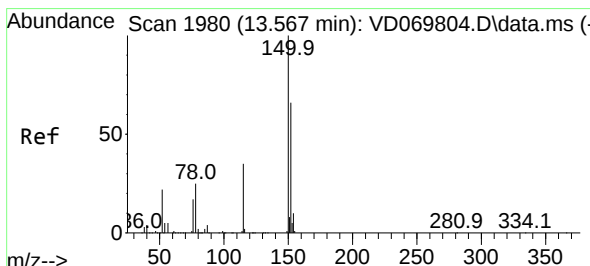
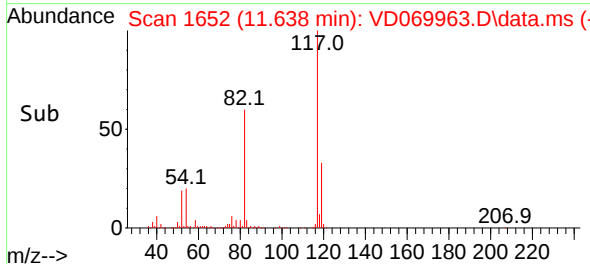
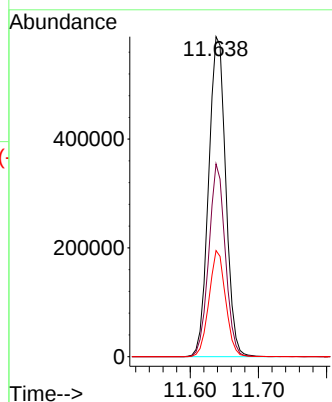
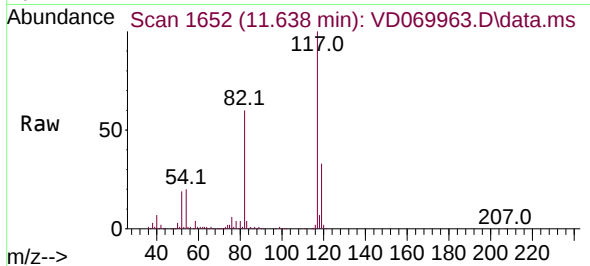




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069963.D
Acq: 03 Aug 2021 13:48

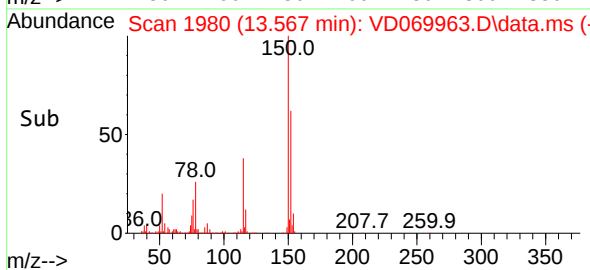
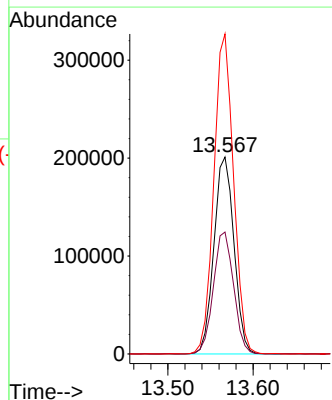
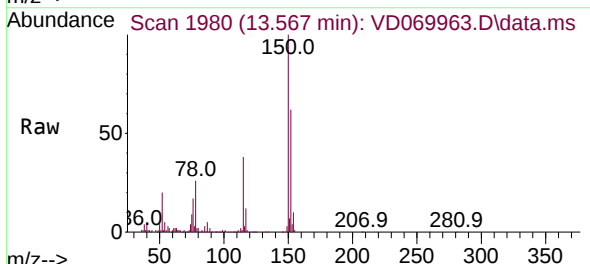
Instrument :
MSVOA_D
ClientSampleId :

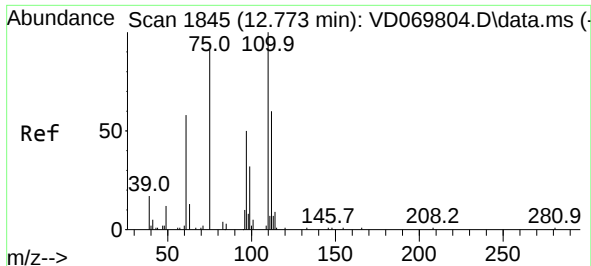
Tgt Ion:117 Resp: 1028513
Ion Ratio Lower Upper
117 100
82 60.2 46.3 69.5
119 33.1 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069963.D
Acq: 03 Aug 2021 13:48

Tgt Ion:152 Resp: 329868
Ion Ratio Lower Upper
152 100
115 62.3 31.1 93.3
150 159.2 0.0 343.0

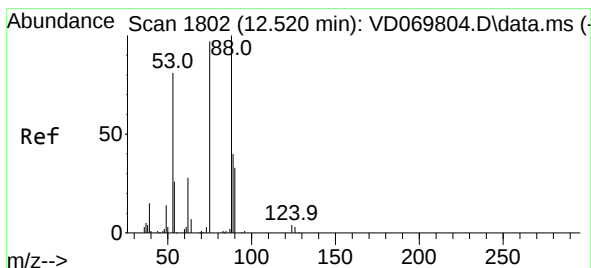
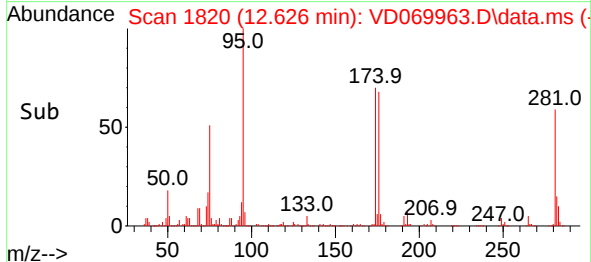
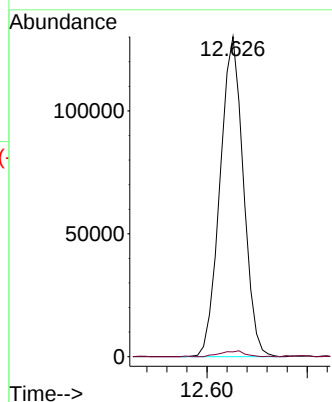
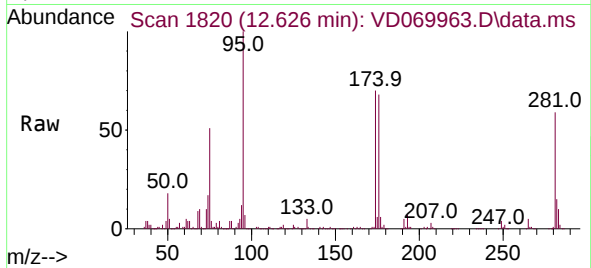




#76
1,2,3-Trichloropropane
Concen: 59.918 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069963.D
Acq: 03 Aug 2021 13:48

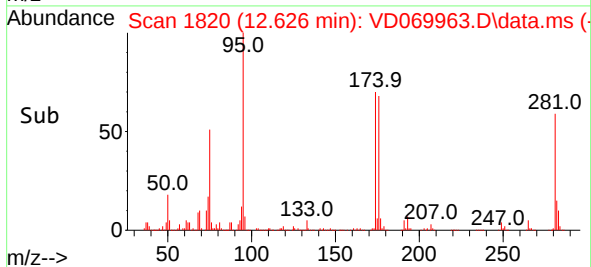
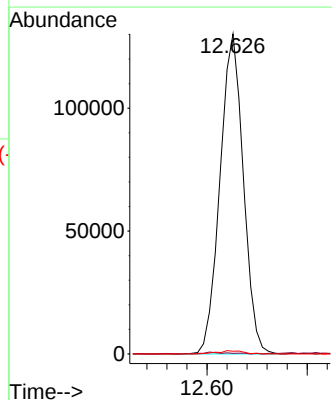
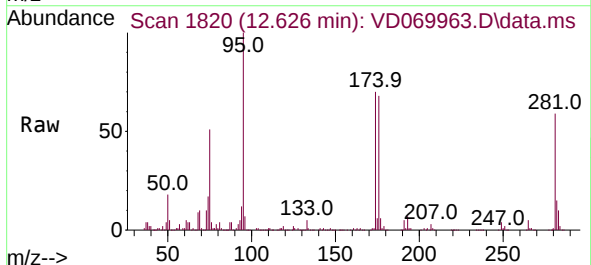
Instrument :
MSVOA_D
ClientSampled :

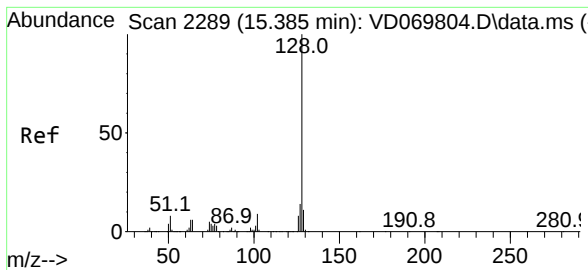
Tgt Ion: 75 Resp: 210088
Ion Ratio Lower Upper
75 100
77 1.9 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 181.776 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069963.D
Acq: 03 Aug 2021 13:48

Tgt Ion: 75 Resp: 210088
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 1.1 35.8 53.6#





#95
Naphthalene
Concen: 5.163 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.012 min
Lab File: VD069963.D
Acq: 03 Aug 2021 13:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	33.3	10.6	16.0#
129	14.6	8.6	12.8#

