

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071421\
 Data File : VD069696.D
 Acq On : 14 Jul 2021 19:05
 Operator : VA/SY
 Sample : M3002-01
 Misc : 3.80G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 15 03:32:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

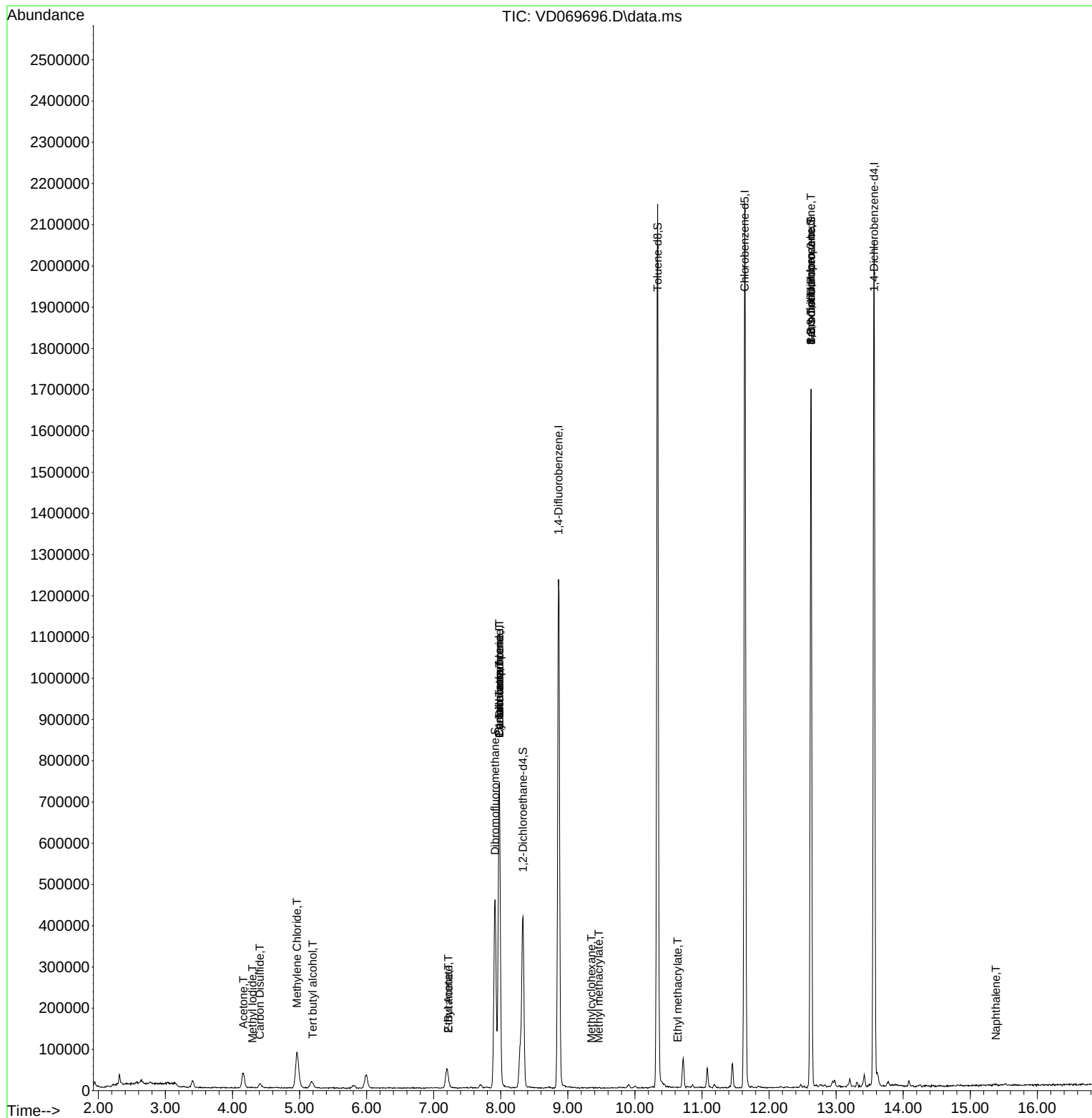
Internal Standards						
1) Pentafluorobenzene	7.979	168	516186	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1067331	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1204934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	539870	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	328299	50.937	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.880%			
35) Dibromofluoromethane	7.914	113	348348	48.648	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.300%			
50) Toluene-d8	10.338	98	1426600	51.282	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.560%			
62) 4-Bromofluorobenzene	12.626	95	557622	60.103	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 120.200%			
Target Compounds						
3) Chloromethane	2.203	50	1840	Below Cal		92
5) Bromomethane	2.779	94	2682	Below Cal		99
10) Methyl Iodide	4.297	142	1735	2.726 ug/l #		54
11) Tert butyl alcohol	5.197	59	14315	16.623 ug/l #		79
16) Acetone	4.161	43	66425	58.129 ug/l		92
17) Carbon Disulfide	4.409	76	18762	1.372 ug/l #		94
18) Methyl Acetate	4.732	43	223	Below Cal #		49
20) Methylene Chloride	4.961	84	67222	2.846 ug/l		94
25) 2-Butanone	7.220	43	14754	9.685 ug/l		95
31) Cyclohexane	7.979	56	12839	1.566 ug/l #		1
36) 1,1-Dichloropropene	7.979	75	47451	4.309 ug/l #		48
37) Ethyl Acetate	7.220	43	14754	3.542 ug/l #		67
38) Carbon Tetrachloride	7.979	117	58801	5.832 ug/l #		17
39) Methylcyclohexane	9.349	83	626	2.004 ug/l #		19
48) Methyl methacrylate	9.461	41	190	1.149 ug/l #		13
56) Ethyl methacrylate	10.638	69	421	1.721 ug/l #		62
71) Bromoform	12.626	173	4618	1.108 ug/l #		1
76) 1,2,3-Trichloropropane	12.626	75	279170	53.229 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.626	75	279170	143.051 ug/l #		14
95) Naphthalene	15.384	128	1954	2.314 ug/l #		87

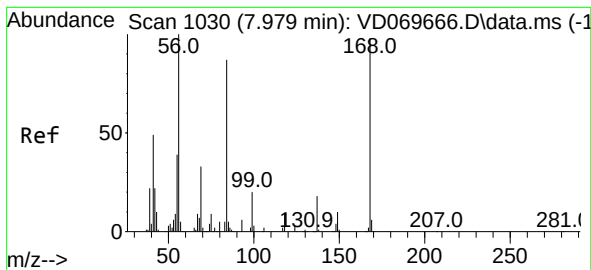
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 15 03:32:27 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 14 06:00:31 2021
Response via : Initial Calibration

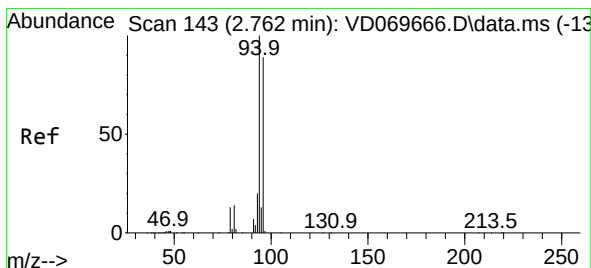
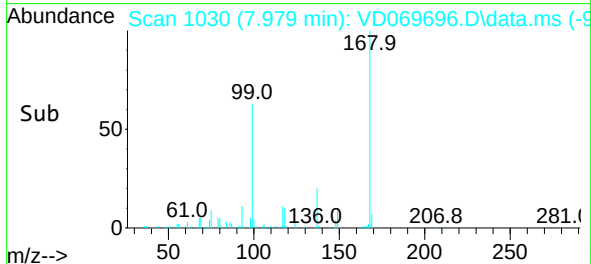
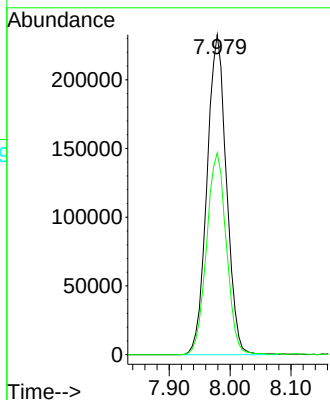
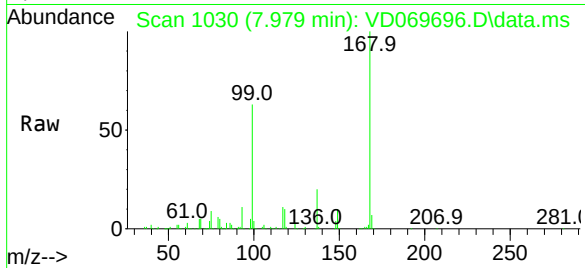




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069696.D
Acq: 14 Jul 2021 19:05

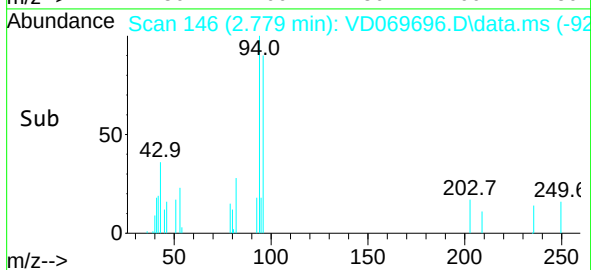
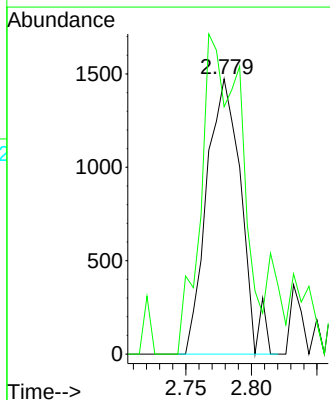
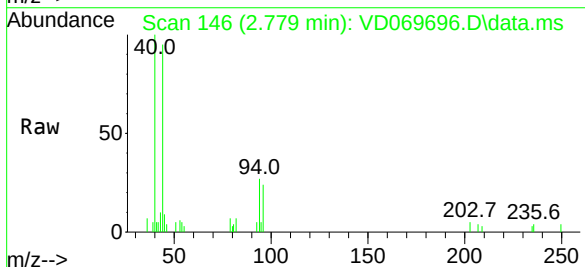
Instrument :
MSVOA_D
ClientSampleId :

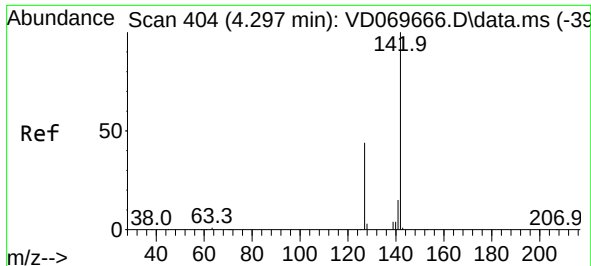
Tgt Ion:168 Resp: 516186
Ion Ratio Lower Upper
168 100
99 63.1 51.8 77.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069696.D
Acq: 14 Jul 2021 19:05

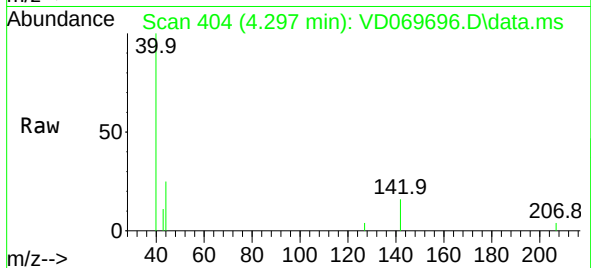
Tgt Ion: 94 Resp: 2682
Ion Ratio Lower Upper
94 100
96 89.9 71.2 106.8



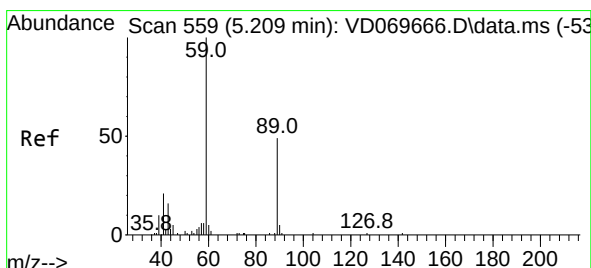
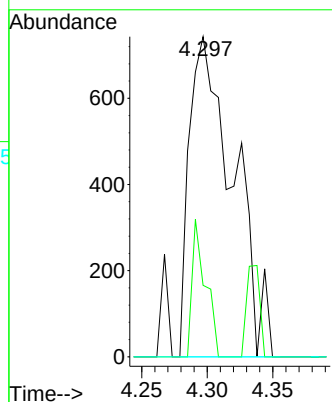
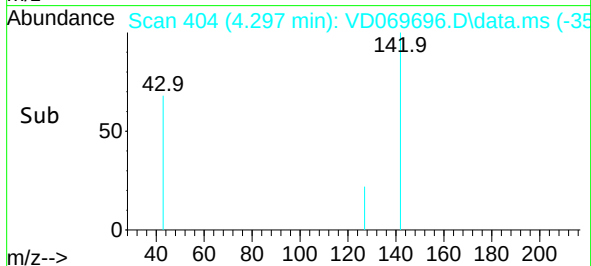


#10
Methyl Iodide
Concen: 2.726 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069696.D
Acq: 14 Jul 2021 19:05

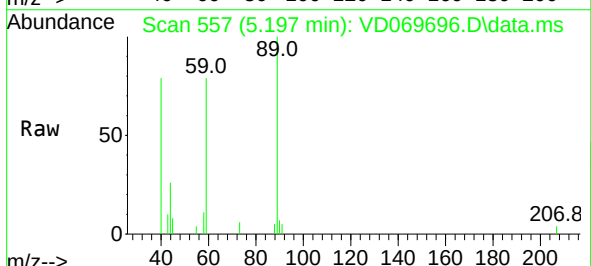
Instrument :
MSVOA_D
ClientSampled :



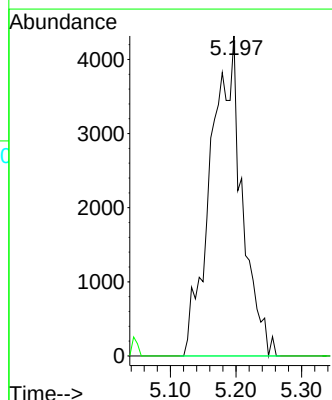
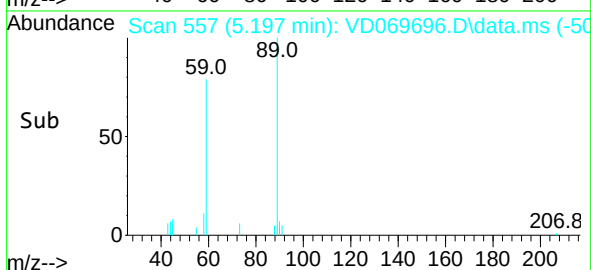
Tgt Ion:142 Resp: 1735
Ion Ratio Lower Upper
142 100
127 13.1 36.1 54.1#
141 0.0 11.6 17.4#

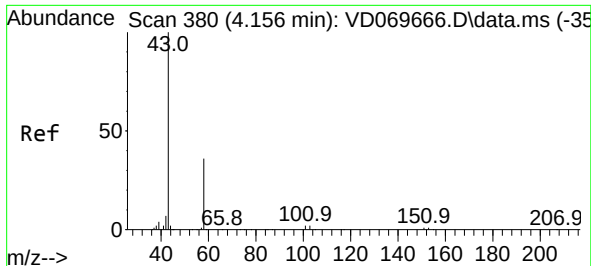


#11
Tert butyl alcohol
Concen: 16.623 ug/l
RT: 5.197 min Scan# 557
Delta R.T. -0.012 min
Lab File: VD069696.D
Acq: 14 Jul 2021 19:05



Tgt Ion: 59 Resp: 14315
Ion Ratio Lower Upper
59 100
57 0.0 5.7 8.5#

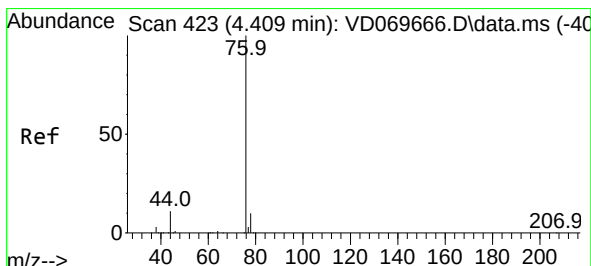
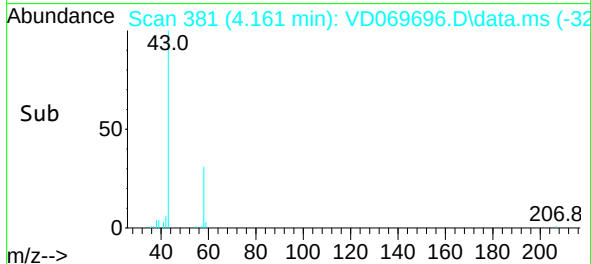
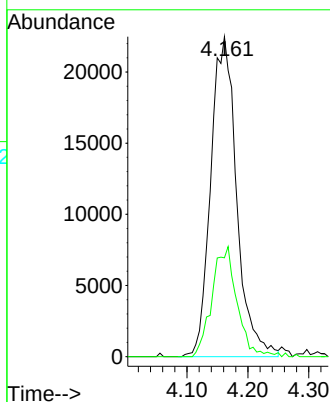
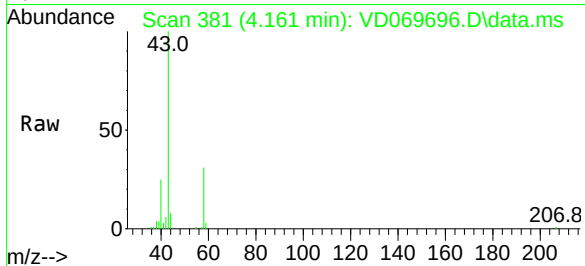




#16
Acetone
Concen: 58.129 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD069696.D
Acq: 14 Jul 2021 19:05

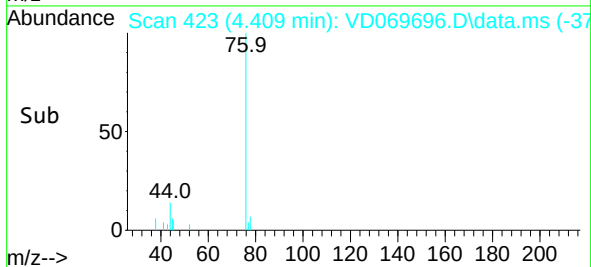
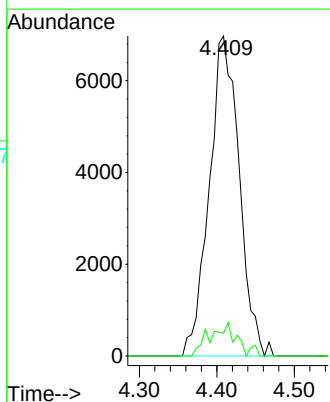
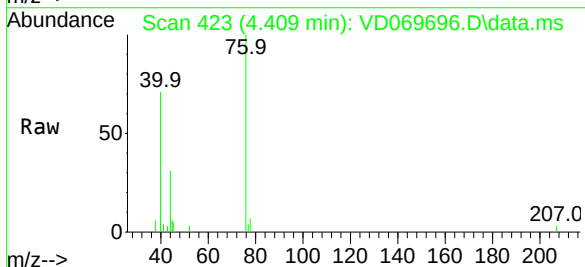
Instrument :
MSVOA_D
ClientSampled :

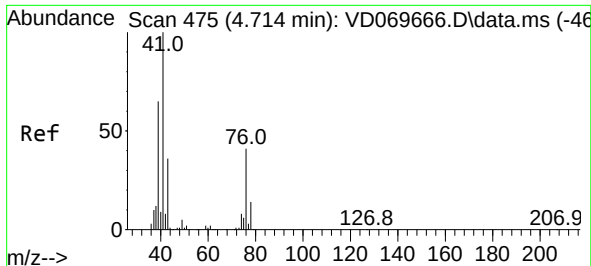
Tgt Ion: 43 Resp: 66425
Ion Ratio Lower Upper
43 100
58 30.9 28.6 42.8



#17
Carbon Disulfide
Concen: 1.372 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069696.D
Acq: 14 Jul 2021 19:05

Tgt Ion: 76 Resp: 18762
Ion Ratio Lower Upper
76 100
78 7.2 7.6 11.4#

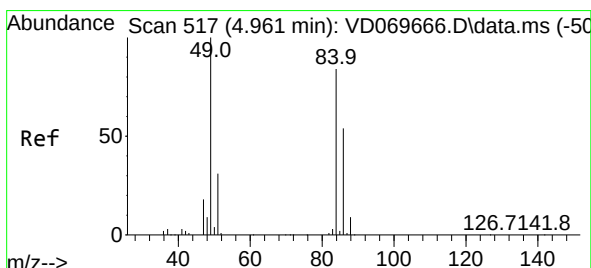
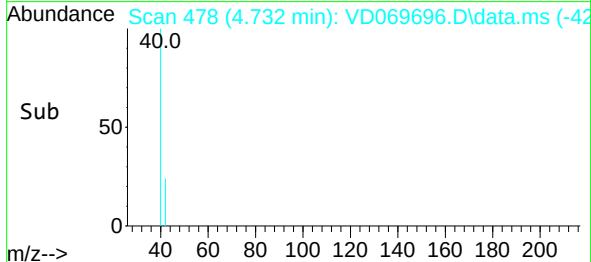
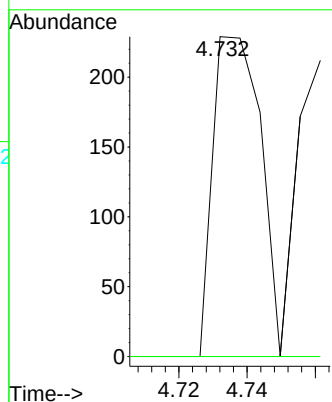
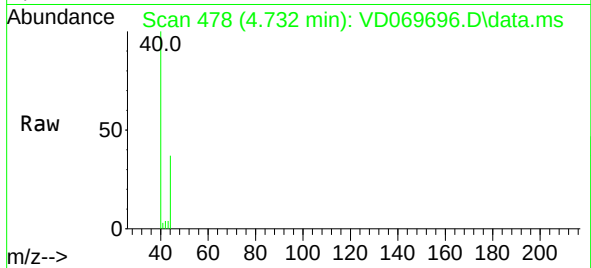




#18
Methyl Acetate
Concen: Below Cal
RT: 4.732 min Scan# 478
Delta R.T. 0.018 min
Lab File: VD069696.D
Acq: 14 Jul 2021 19:05

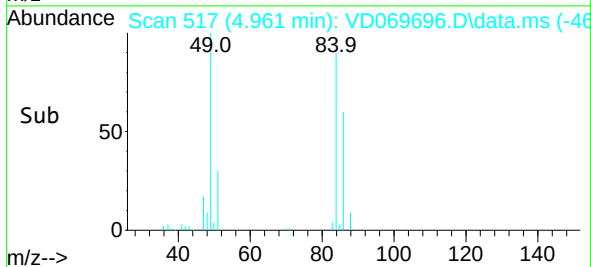
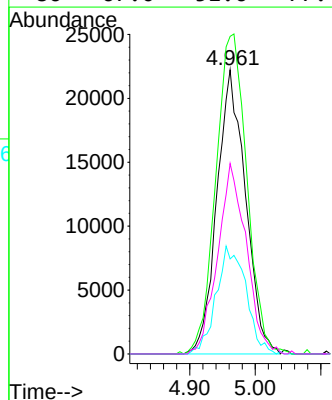
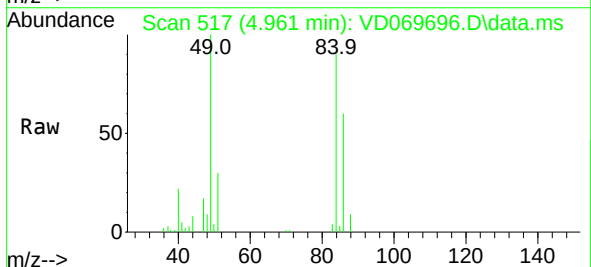
Instrument :
MSVOA_D
ClientSampled :

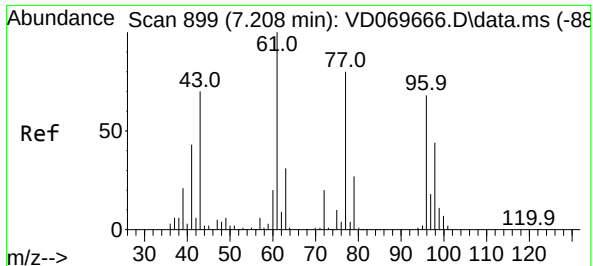
Tgt Ion: 43 Resp: 223
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#20
Methylene Chloride
Concen: 2.846 ug/l
RT: 4.961 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD069696.D
Acq: 14 Jul 2021 19:05

Tgt Ion: 84 Resp: 67222
Ion Ratio Lower Upper
84 100
49 110.9 95.5 143.3
51 33.4 29.7 44.5
86 67.0 51.6 77.4

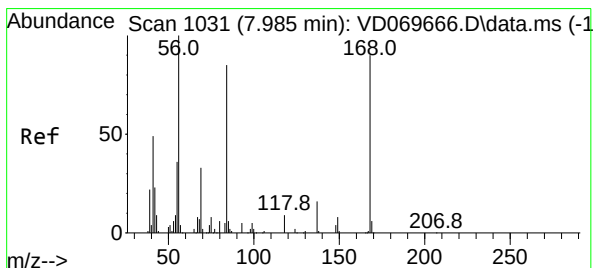
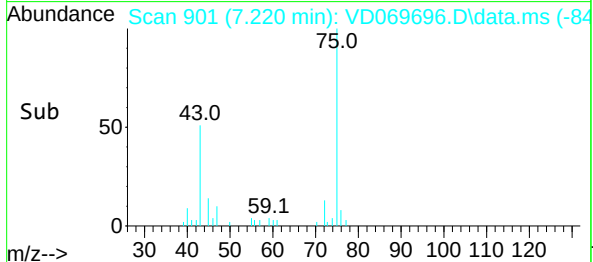
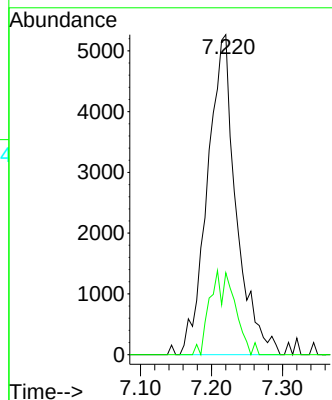
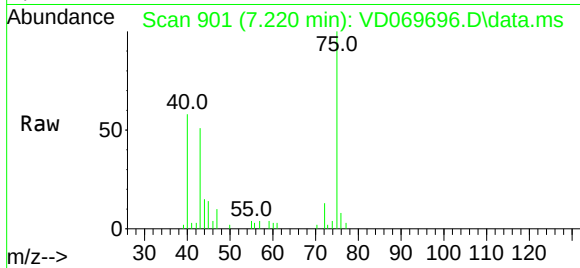




#25
2-Butanone
Concen: 9.685 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.012 min
Lab File: VD069696.D
Acq: 14 Jul 2021 19:05

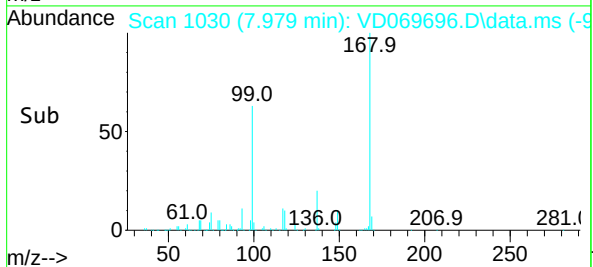
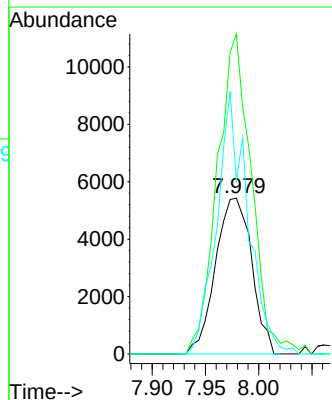
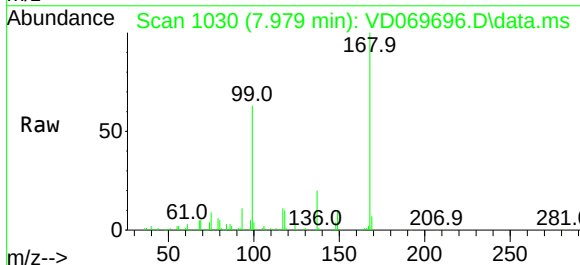
Instrument :
MSVOA_D
ClientSampled :

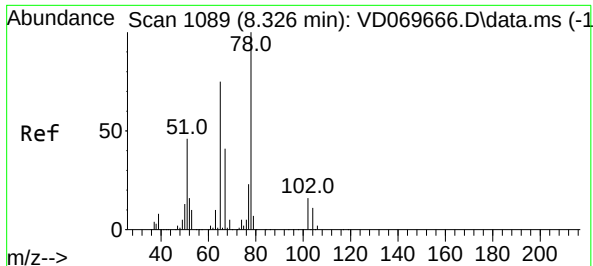
Tgt Ion: 43 Resp: 14754
Ion Ratio Lower Upper
43 100
72 25.6 22.6 33.8



#31
Cyclohexane
Concen: 1.566 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069696.D
Acq: 14 Jul 2021 19:05

Tgt Ion: 56 Resp: 12839
Ion Ratio Lower Upper
56 100
69 205.3 26.6 39.8#
84 111.4 68.2 102.2#



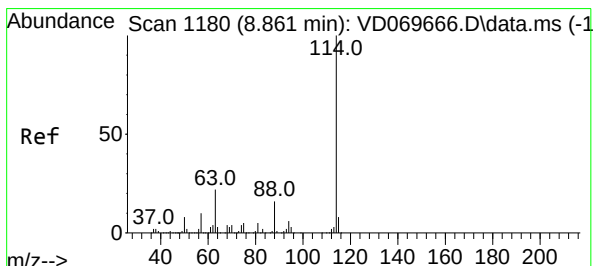
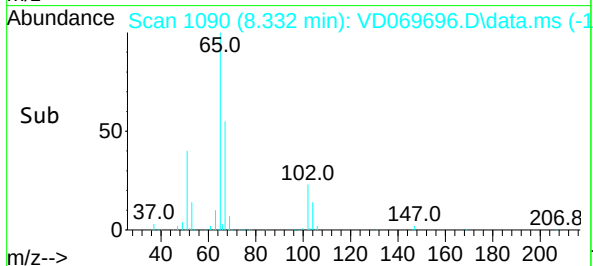
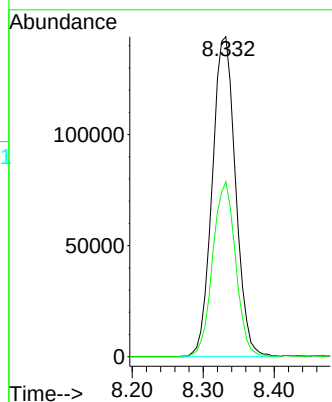
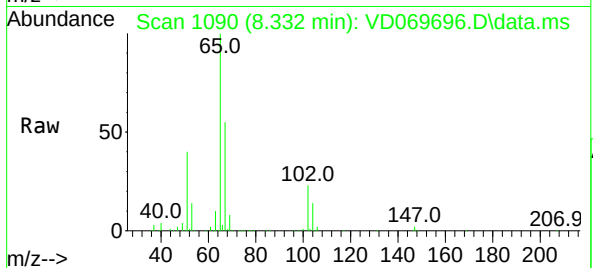


#33

1,2-Dichloroethane-d4
Concen: 50.937 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069696.D
Acq: 14 Jul 2021 19:05

Instrument :
MSVOA_D
ClientSampled :

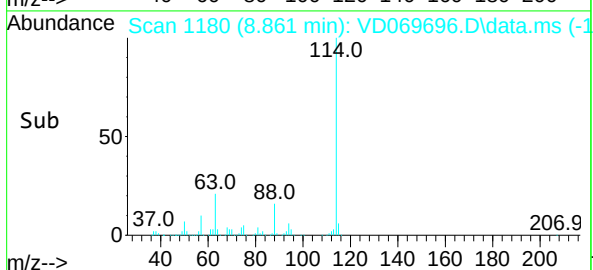
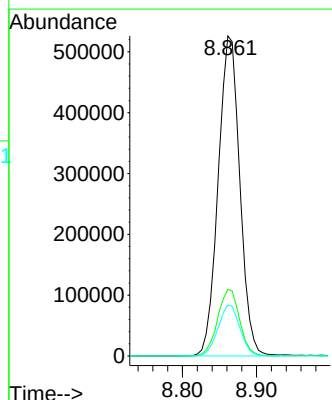
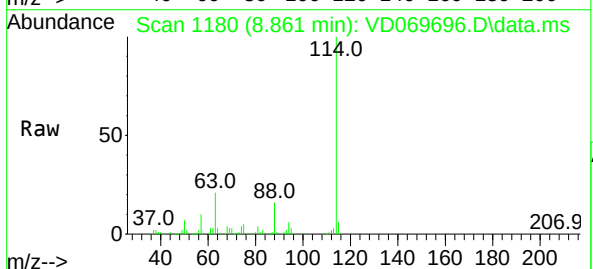
Tgt Ion: 65 Resp: 328299
Ion Ratio Lower Upper
65 100
67 53.8 0.0 107.2

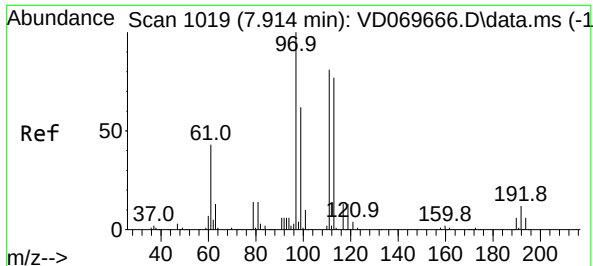


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069696.D
Acq: 14 Jul 2021 19:05

Tgt Ion:114 Resp: 1067331
Ion Ratio Lower Upper
114 100
63 20.8 0.0 43.4
88 15.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.648 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069696.D

Acq: 14 Jul 2021 19:05

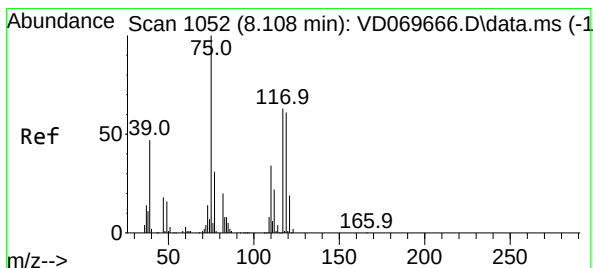
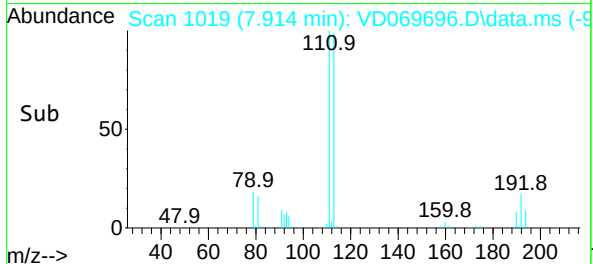
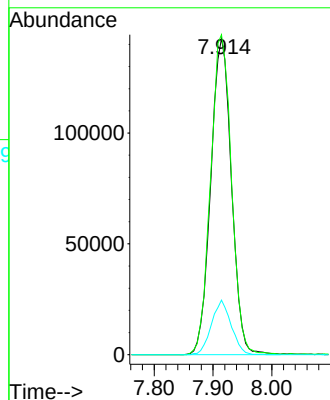
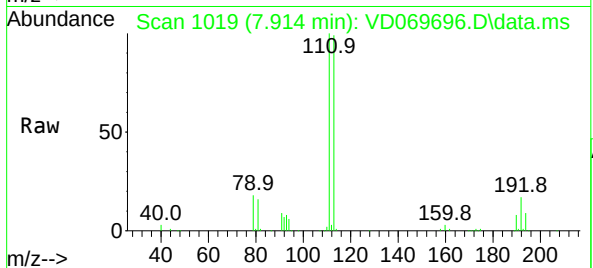
Tgt Ion:113 Resp: 348348

Ion Ratio Lower Upper

113 100

111 102.2 82.6 123.8

192 16.5 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.309 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD069696.D

Acq: 14 Jul 2021 19:05

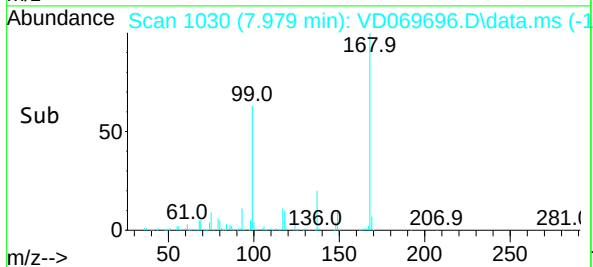
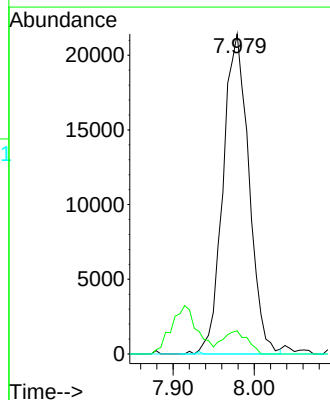
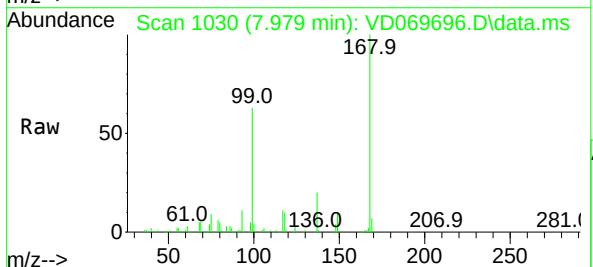
Tgt Ion: 75 Resp: 47451

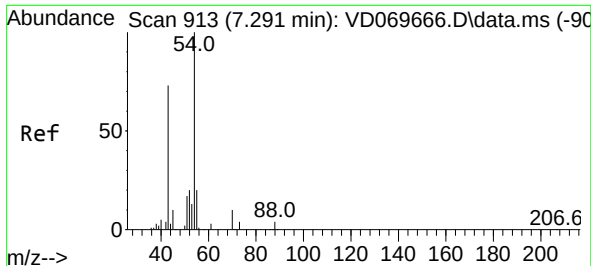
Ion Ratio Lower Upper

75 100

110 6.9 16.7 50.0#

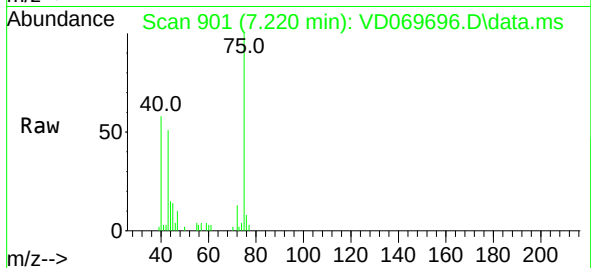
77 0.0 25.3 37.9#



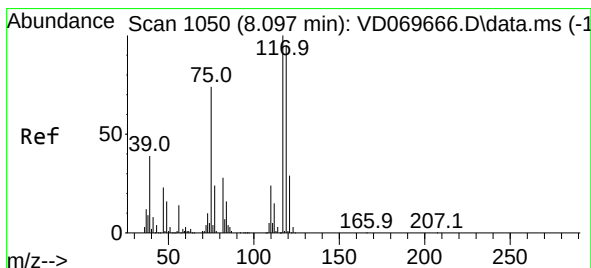
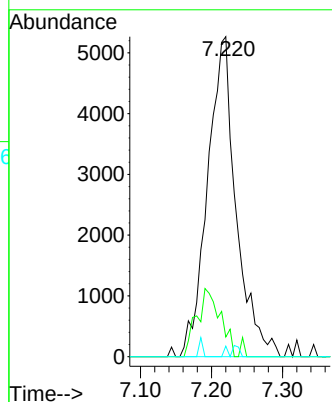
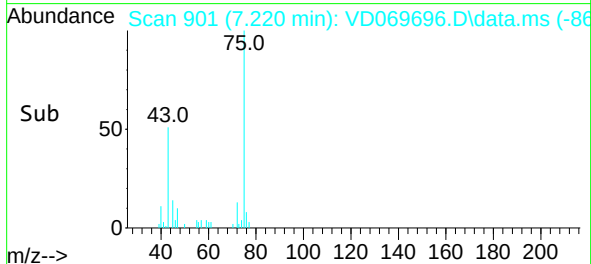


#37
Ethyl Acetate
Concen: 3.542 ug/l
RT: 7.220 min Scan# 901
Delta R.T. -0.071 min
Lab File: VD069696.D
Acq: 14 Jul 2021 19:05

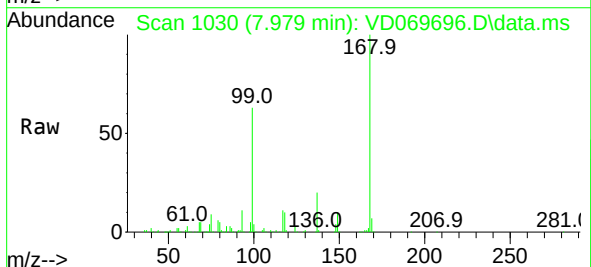
Instrument :
MSVOA_D
ClientSampled :



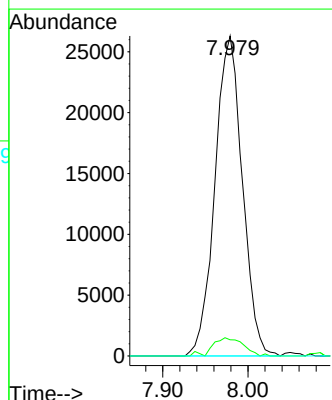
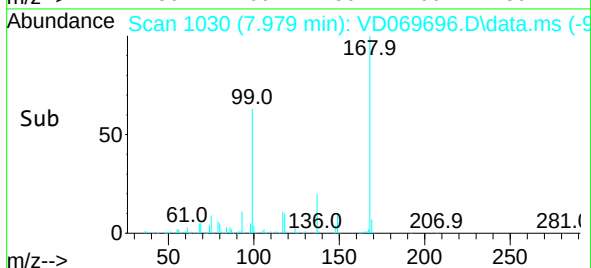
Tgt Ion: 43 Resp: 14754
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.0 8.4 12.6#

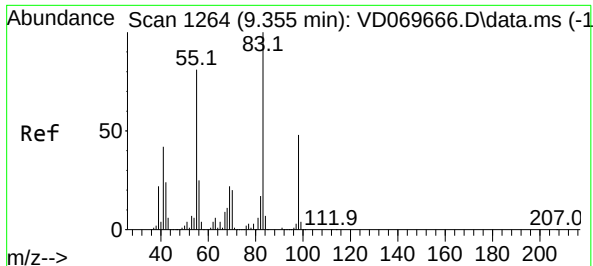


#38
Carbon Tetrachloride
Concen: 5.832 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069696.D
Acq: 14 Jul 2021 19:05



Tgt Ion: 117 Resp: 58801
Ion Ratio Lower Upper
117 100
119 5.0 75.7 113.5#
121 0.0 23.0 34.6#





#39

Methylcyclohexane

Concen: 2.004 ug/l

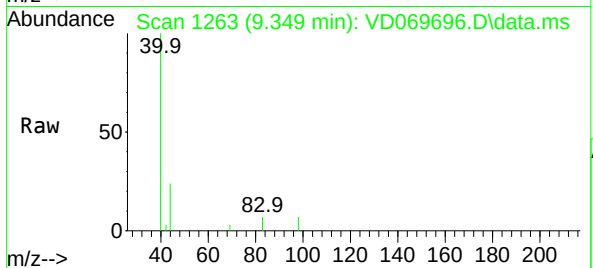
RT: 9.349 min Scan# 1263

Delta R.T. -0.006 min

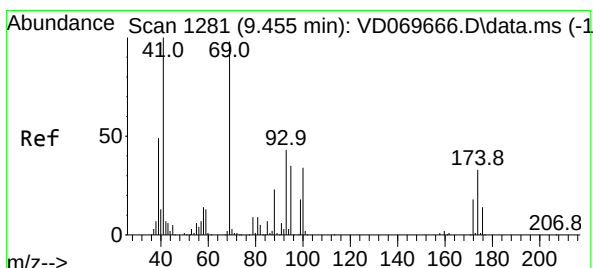
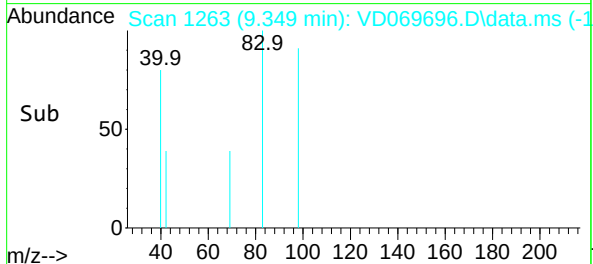
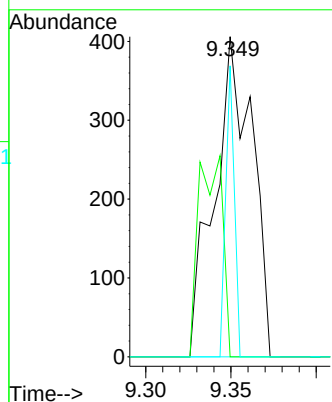
Lab File: VD069696.D

Acq: 14 Jul 2021 19:05

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion: 83	Resp: 626
Ion Ratio	Lower Upper
83 100	
55 0.0	64.6 97.0#
98 90.9	38.4 57.6#



#48

Methyl methacrylate

Concen: 1.149 ug/l

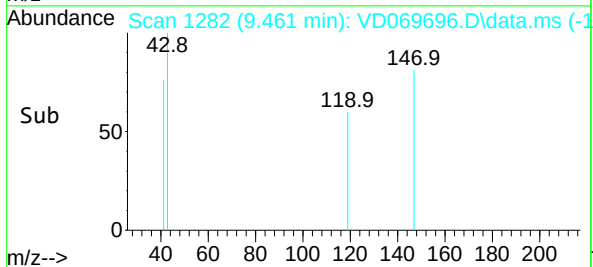
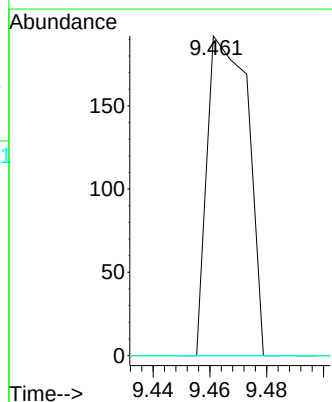
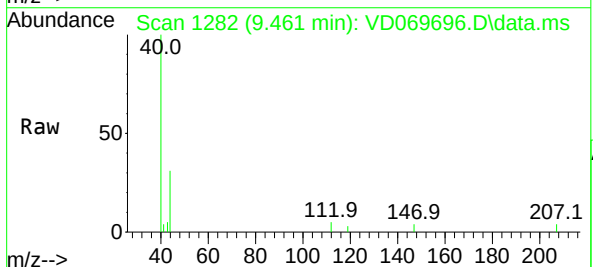
RT: 9.461 min Scan# 1282

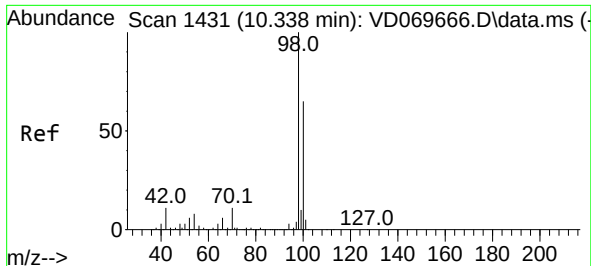
Delta R.T. 0.006 min

Lab File: VD069696.D

Acq: 14 Jul 2021 19:05

Tgt Ion: 41	Resp: 190
Ion Ratio	Lower Upper
41 100	
69 0.0	71.6 107.4#
39 0.0	36.7 55.1#

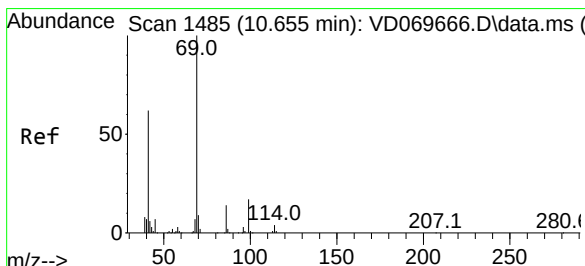
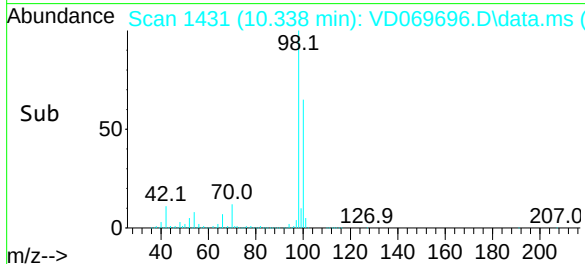
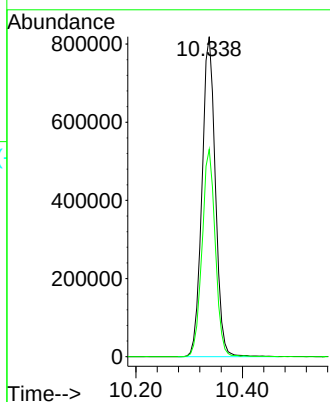
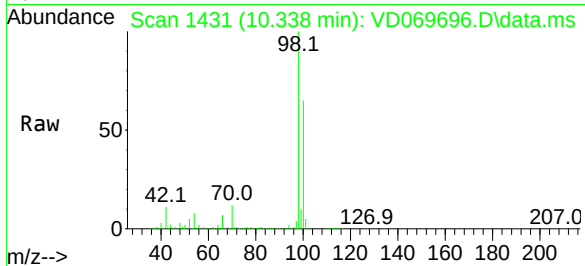




#50
Toluene-d8
Concen: 51.282 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069696.D
Acq: 14 Jul 2021 19:05

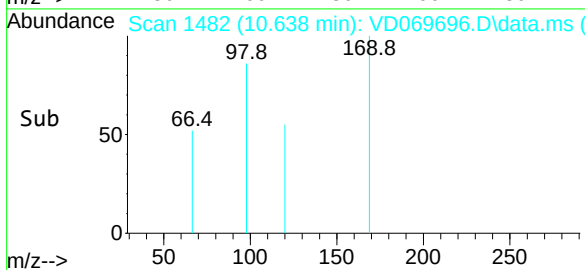
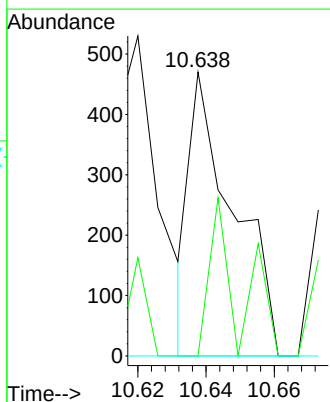
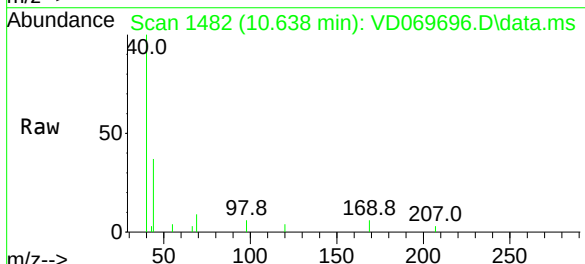
Instrument :
MSVOA_D
ClientSampled :

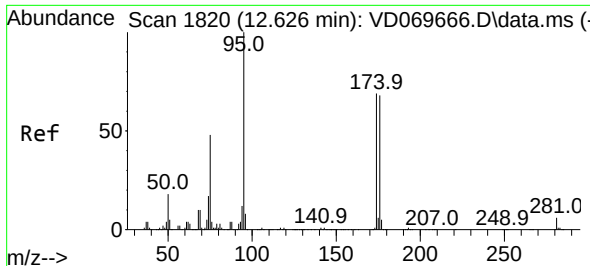
Tgt Ion: 98 Resp: 1426600
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.2



#56
Ethyl methacrylate
Concen: 1.721 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.017 min
Lab File: VD069696.D
Acq: 14 Jul 2021 19:05

Tgt Ion: 69 Resp: 421
Ion Ratio Lower Upper
69 100
41 37.5 49.5 74.3#
39 0.0 22.5 33.7#

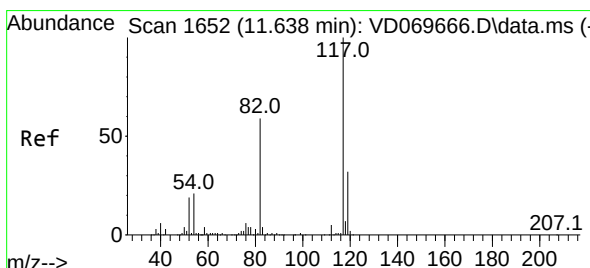
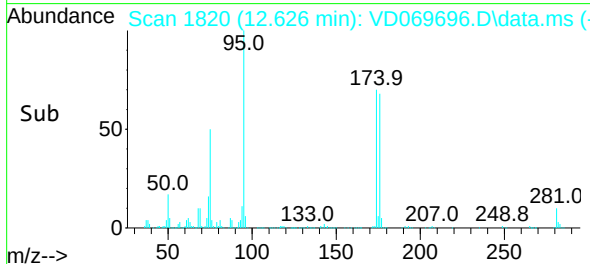
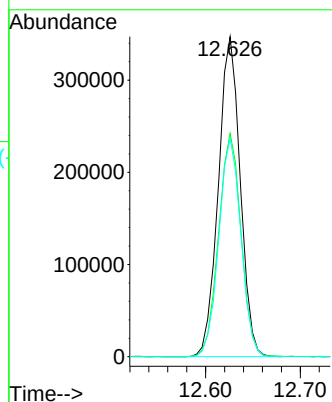
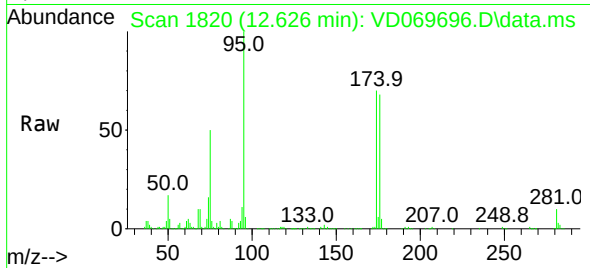




#62
4-Bromofluorobenzene
Concen: 60.103 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069696.D
Acq: 14 Jul 2021 19:05

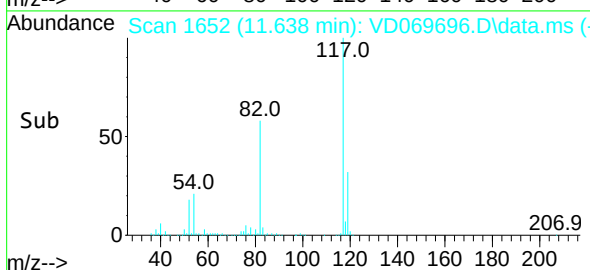
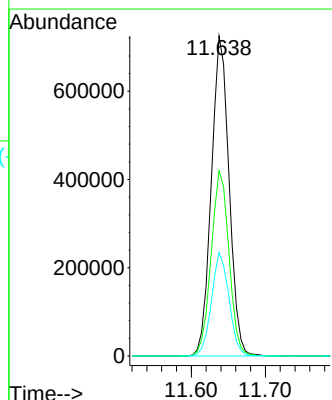
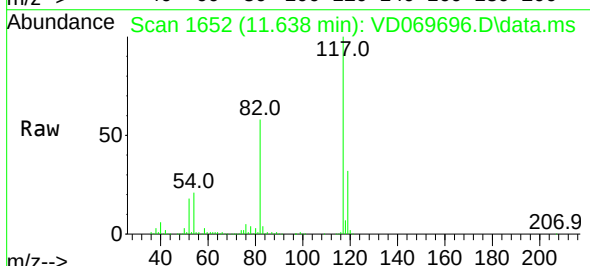
Instrument :
MSVOA_D
ClientSampleId :

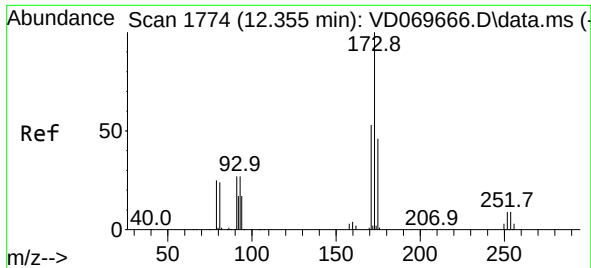
Tgt Ion: 95 Resp: 557622
Ion Ratio Lower Upper
95 100
174 71.5 0.0 140.0
176 69.0 0.0 136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069696.D
Acq: 14 Jul 2021 19:05

Tgt Ion: 117 Resp: 1204934
Ion Ratio Lower Upper
117 100
82 57.9 47.4 71.2
119 32.3 25.5 38.3

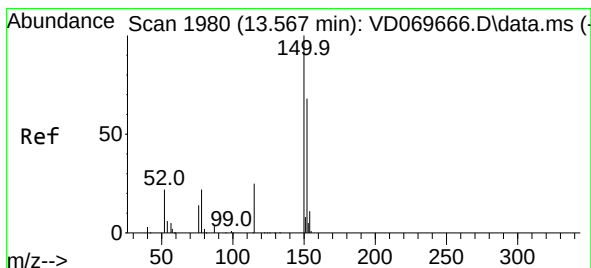
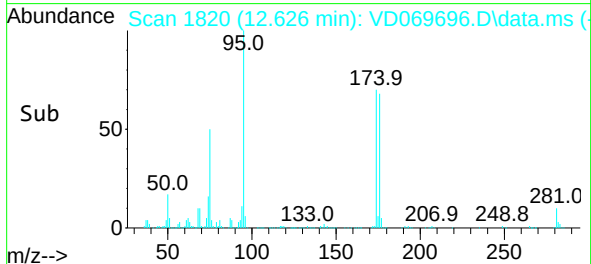
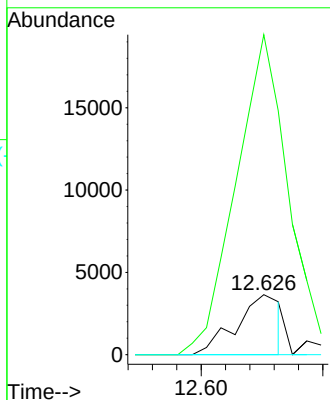
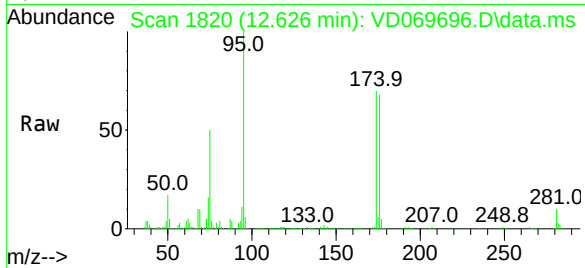




#71
Bromoform
Concen: 1.108 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069696.D
Acq: 14 Jul 2021 19:05

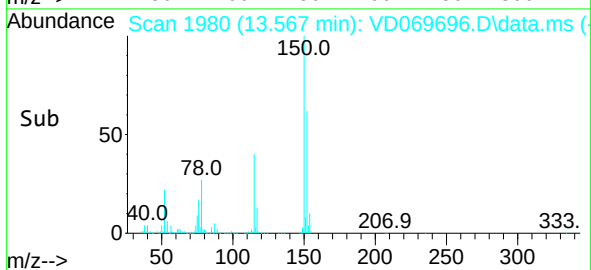
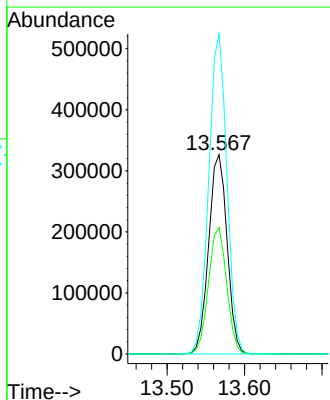
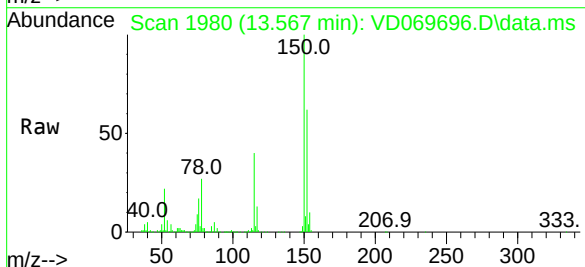
Instrument :
MSVOA_D
ClientSampleId :

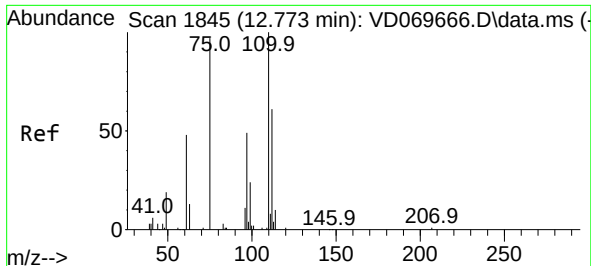
Tgt Ion:173 Resp: 4618
Ion Ratio Lower Upper
173 100
175 517.0 24.2 72.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069696.D
Acq: 14 Jul 2021 19:05

Tgt Ion:152 Resp: 539870
Ion Ratio Lower Upper
152 100
115 62.7 31.7 95.1
150 157.9 0.0 350.4

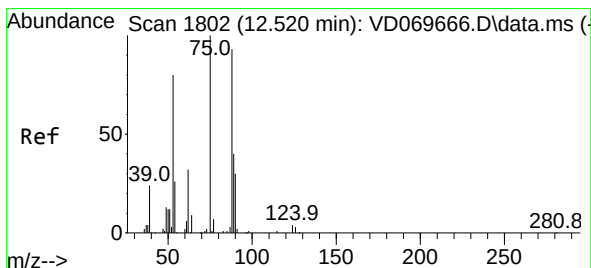
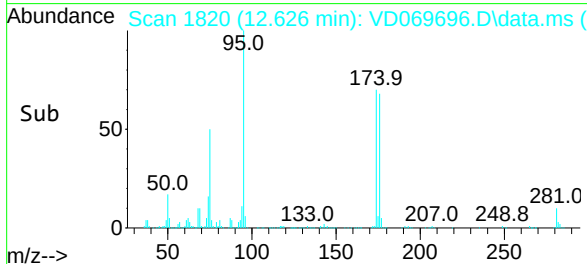
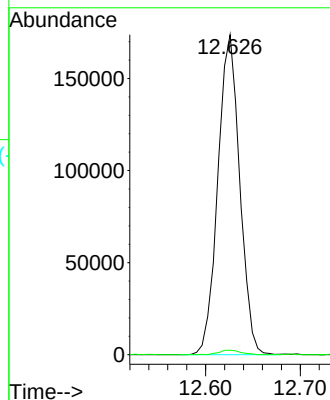
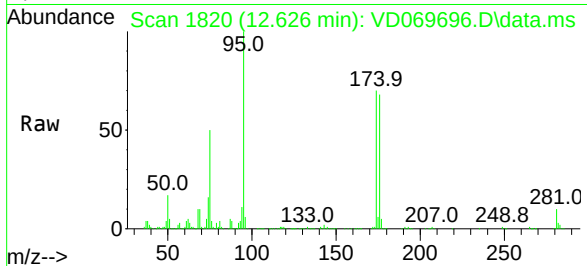




#76
1,2,3-Trichloropropane
Concen: 53.229 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069696.D
Acq: 14 Jul 2021 19:05

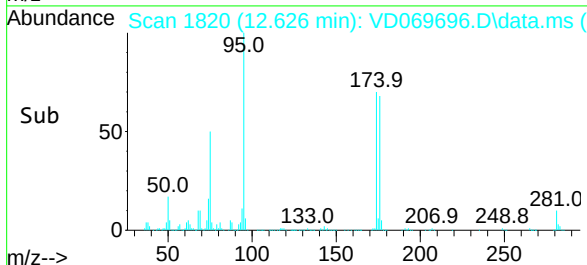
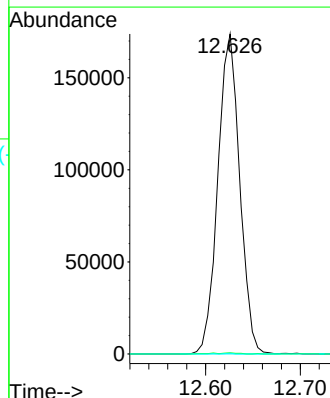
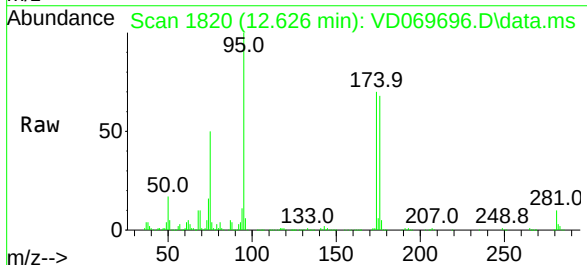
Instrument :
MSVOA_D
ClientSampleId :

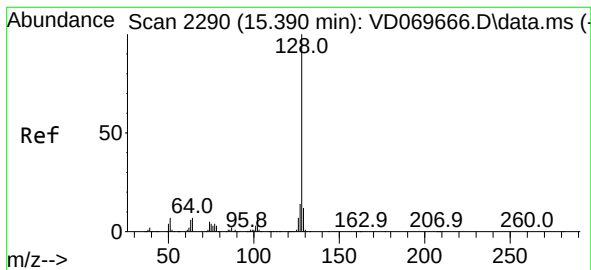
Tgt Ion: 75 Resp: 279170
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 143.051 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069696.D
Acq: 14 Jul 2021 19:05

Tgt Ion: 75 Resp: 279170
Ion Ratio Lower Upper
75 100
53 0.4 70.6 106.0#
89 0.1 35.1 52.7#





#95
Naphthalene
Concen: 2.314 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069696.D
Acq: 14 Jul 2021 19:05

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 1954
Ion Ratio Lower Upper
128 100
127 9.0 10.6 16.0#
129 4.6 8.8 13.2#

