

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071421\
 Data File : VD069697.D
 Acq On : 14 Jul 2021 19:34
 Operator : VA/SY
 Sample : M3002-04
 Misc : 5.27G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 15 03:32:46 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)

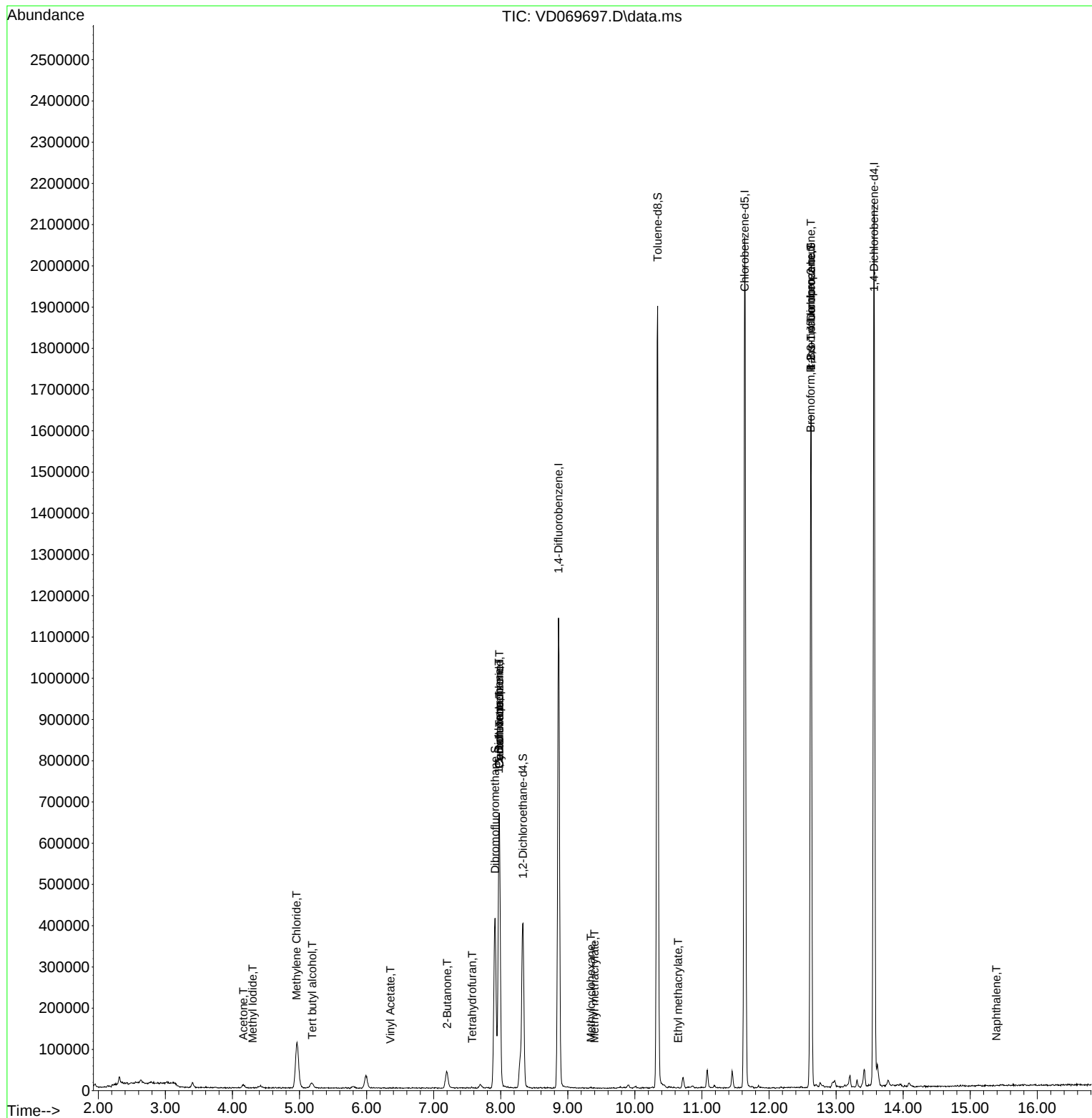
Internal Standards						
1) Pentafluorobenzene	7.979	168	467263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	960362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1198534	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	546914	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	314645	53.929	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.860%			
35) Dibromofluoromethane	7.914	113	310266	48.156	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.320%			
50) Toluene-d8	10.338	98	1284315	51.310	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.620%			
62) 4-Bromofluorobenzene	12.626	95	546737	65.494	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 130.980%			
Target Compounds						Qvalue
3) Chloromethane	2.209	50	1784	Below Cal	#	67
5) Bromomethane	2.785	94	2774	Below Cal		95
10) Methyl Iodide	4.303	142	1034	2.638	ug/l #	60
11) Tert butyl alcohol	5.191	59	11728	15.045	ug/l #	81
16) Acetone	4.162	43	13680	23.199	ug/l #	87
18) Methyl Acetate	4.726	43	222	Below Cal	#	49
20) Methylene Chloride	4.956	84	91419	6.736	ug/l #	93
23) Vinyl Acetate	6.356	43	111	15.436	ug/l #	72
25) 2-Butanone	7.203	43	2441	1.770	ug/l #	47
29) Tetrahydrofuran	7.573	42	965	1.130	ug/l #	72
31) Cyclohexane	7.979	56	11910	1.594	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	42712	4.311	ug/l #	50
38) Carbon Tetrachloride	7.979	117	50563	5.573	ug/l #	17
39) Methylcyclohexane	9.344	83	358	1.987	ug/l #	50
48) Methyl methacrylate	9.397	41	142	1.141	ug/l #	74
56) Ethyl methacrylate	10.644	69	511	1.740	ug/l #	37
71) Bromoform	12.620	173	4286	1.034	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	270937	50.994	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	270937	137.044	ug/l #	15
95) Naphthalene	15.390	128	428	2.229	ug/l #	87

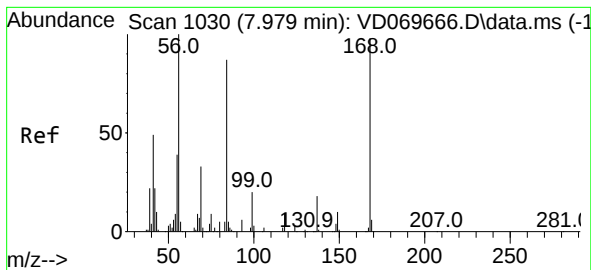
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

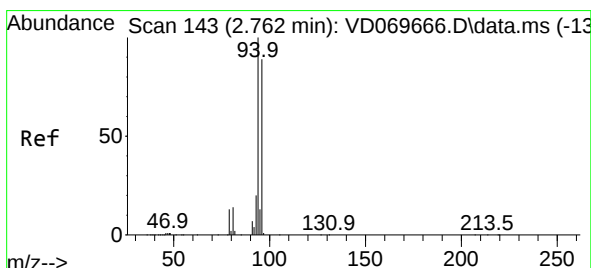
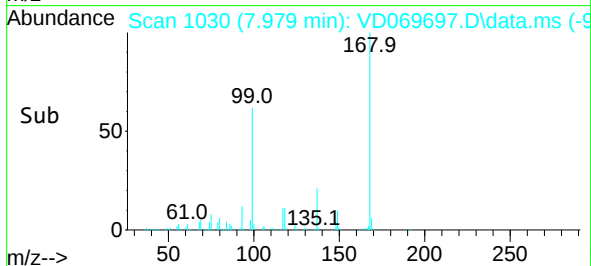
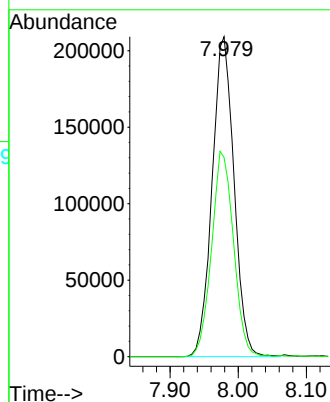
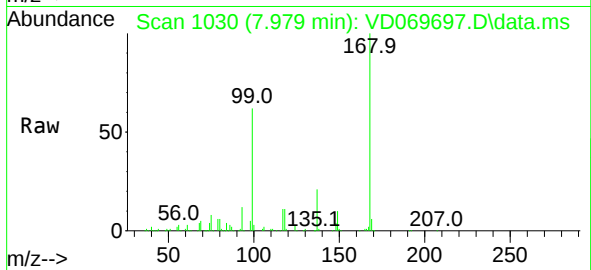




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069697.D
Acq: 14 Jul 2021 19:34

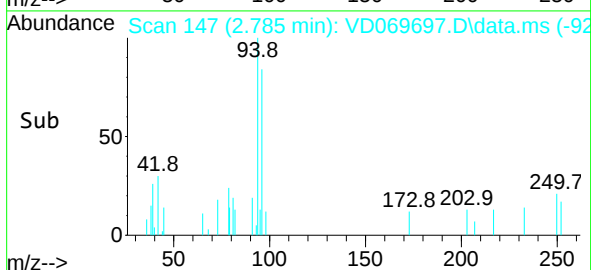
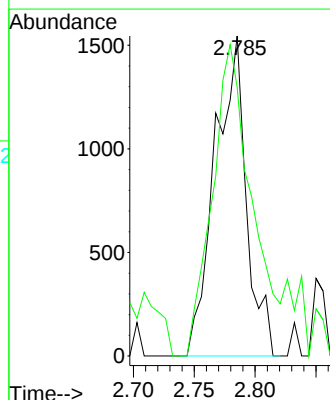
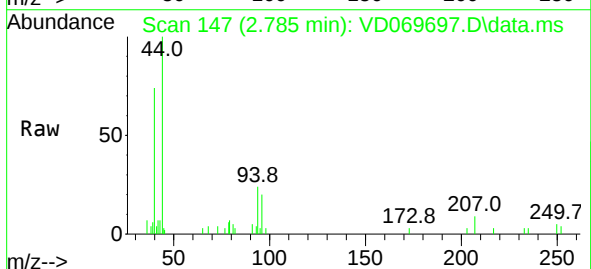
Instrument :
MSVOA_D
ClientSampled :

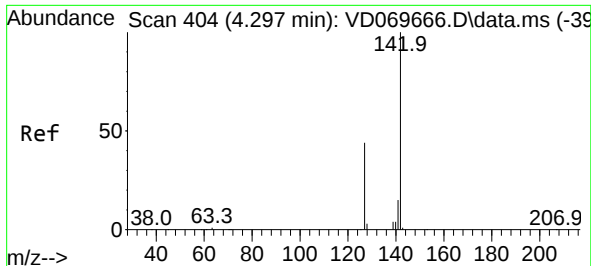
Tgt Ion:168 Resp: 467263
Ion Ratio Lower Upper
168 100
99 62.3 51.8 77.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD069697.D
Acq: 14 Jul 2021 19:34

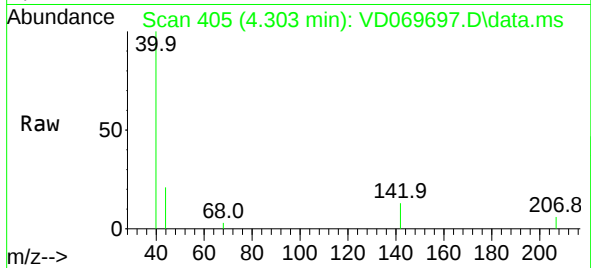
Tgt Ion: 94 Resp: 2774
Ion Ratio Lower Upper
94 100
96 84.1 71.2 106.8



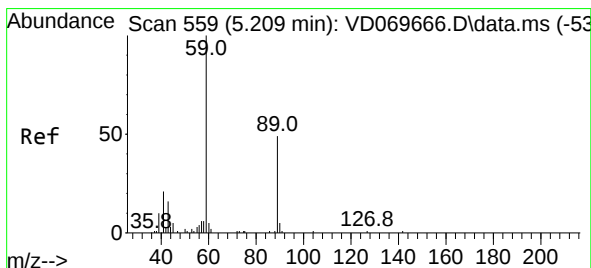
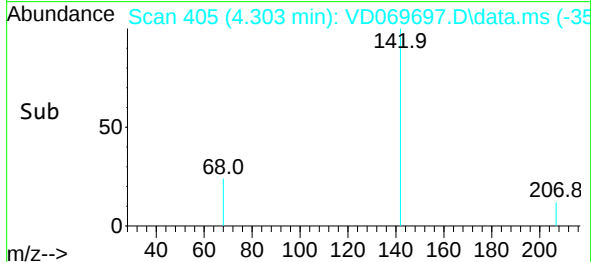
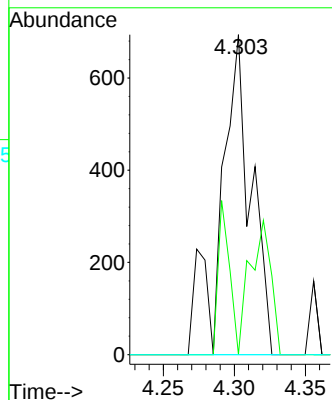


#10
Methyl Iodide
Concen: 2.638 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069697.D
Acq: 14 Jul 2021 19:34

Instrument :
MSVOA_D
ClientSampled :

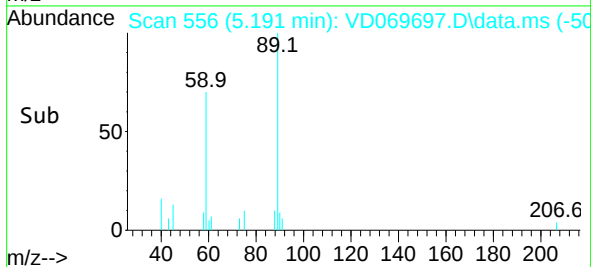
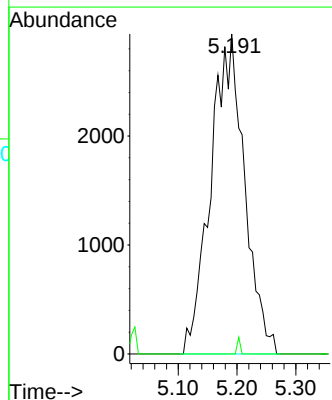
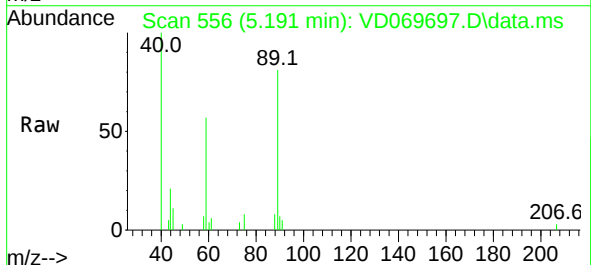


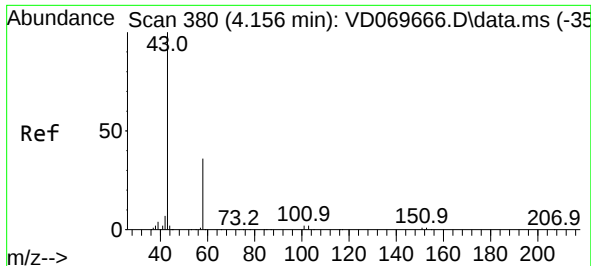
Tgt Ion:142 Resp: 1034
Ion Ratio Lower Upper
142 100
127 17.6 36.1 54.1#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 15.045 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.018 min
Lab File: VD069697.D
Acq: 14 Jul 2021 19:34

Tgt Ion: 59 Resp: 11728
Ion Ratio Lower Upper
59 100
57 0.5 5.7 8.5#

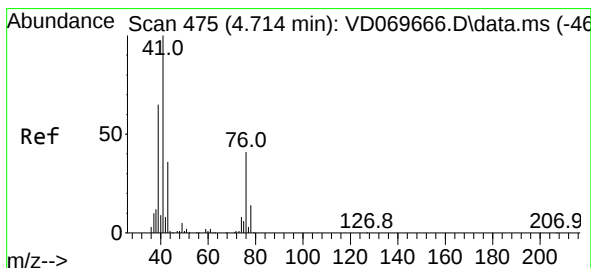
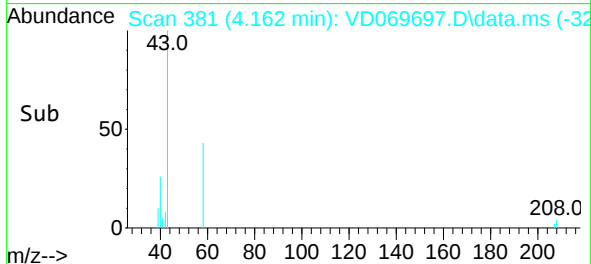
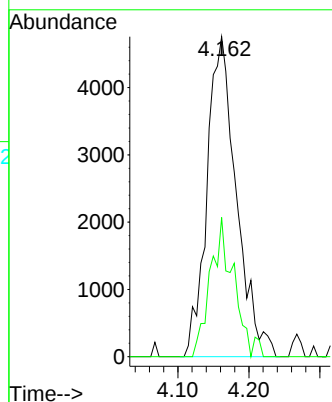
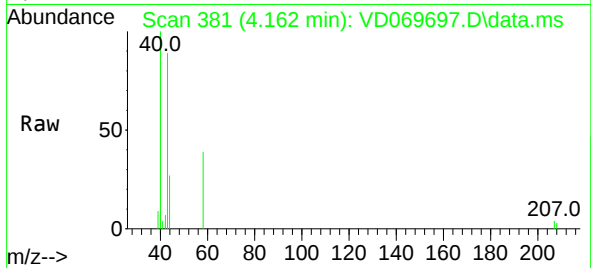




#16
Acetone
Concen: 23.199 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069697.D
Acq: 14 Jul 2021 19:34

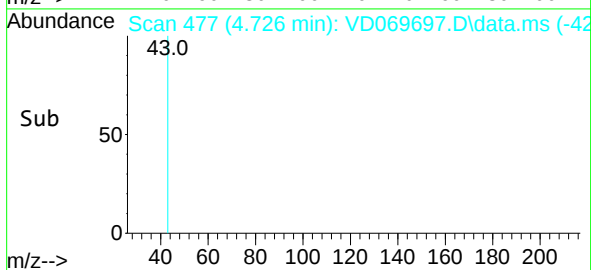
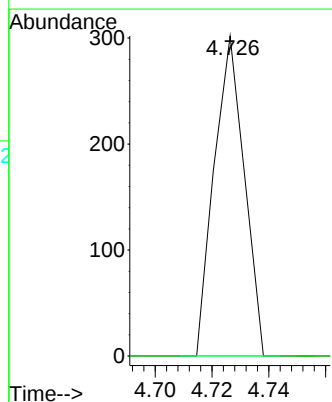
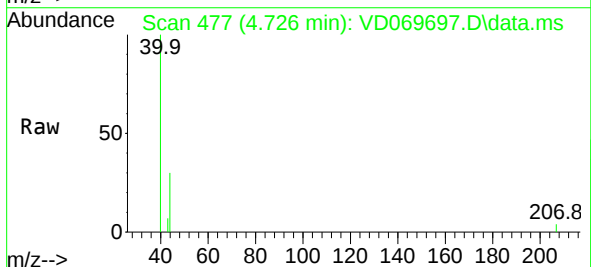
Instrument :
MSVOA_D
ClientSampled :

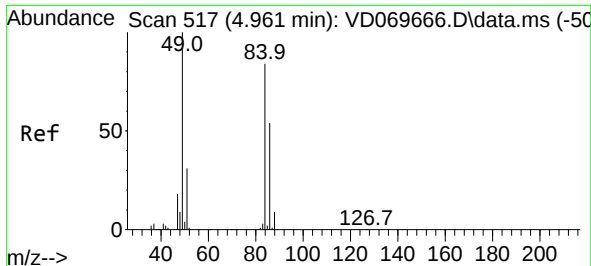
Tgt Ion: 43 Resp: 13680
Ion Ratio Lower Upper
43 100
58 43.5 28.6 42.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.012 min
Lab File: VD069697.D
Acq: 14 Jul 2021 19:34

Tgt Ion: 43 Resp: 222
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#





#20

Methylene Chloride

Concen: 6.736 ug/l

RT: 4.956 min Scan# 516

Delta R.T. -0.005 min

Lab File: VD069697.D

Acq: 14 Jul 2021 19:34

Tgt Ion: 84 Resp: 91419

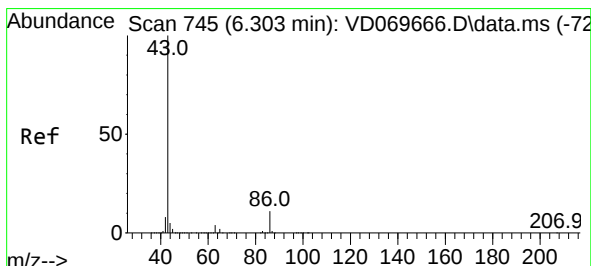
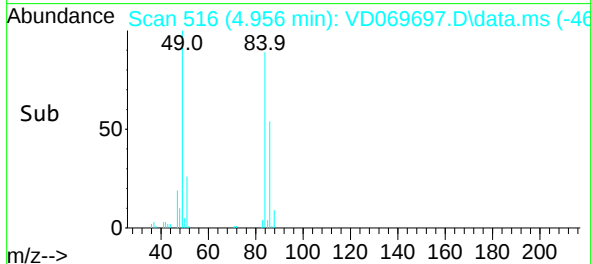
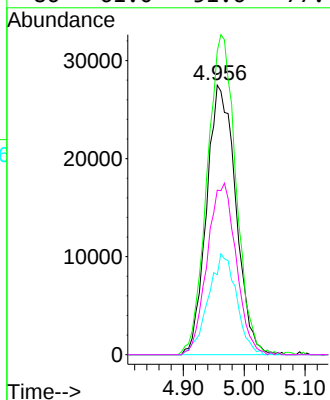
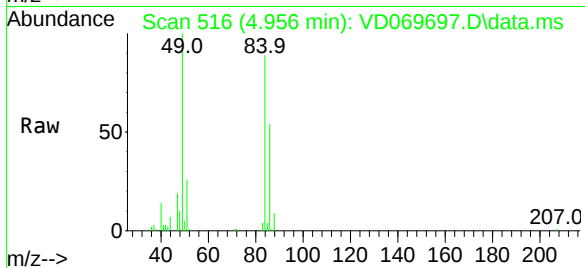
Ion Ratio Lower Upper

84 100

49 112.5 95.5 143.3

51 29.7 29.7 44.5#

86 61.0 51.6 77.4



#23

Vinyl Acetate

Concen: 15.436 ug/l

RT: 6.356 min Scan# 754

Delta R.T. 0.053 min

Lab File: VD069697.D

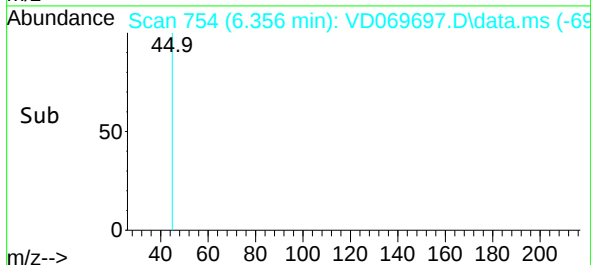
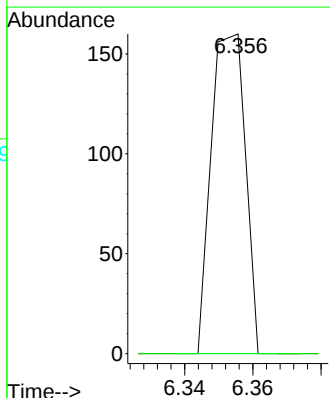
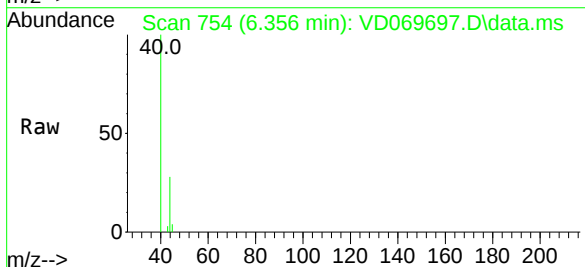
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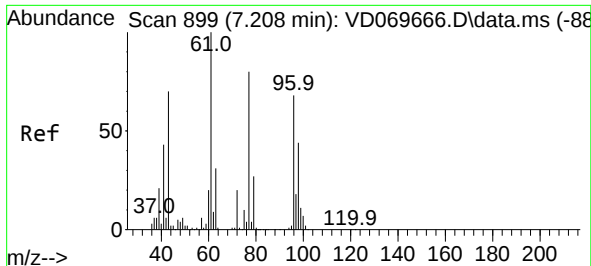
Tgt Ion: 43 Resp: 111

Ion Ratio Lower Upper

43 100

86 0.0 8.6 12.8#

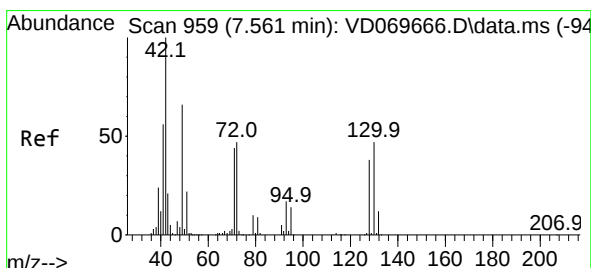
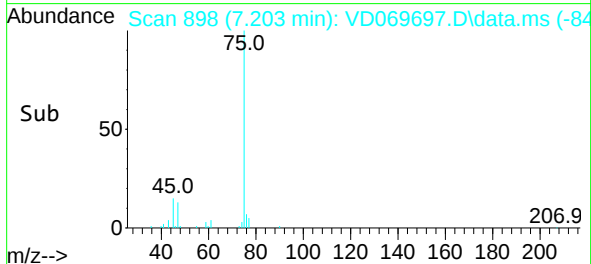
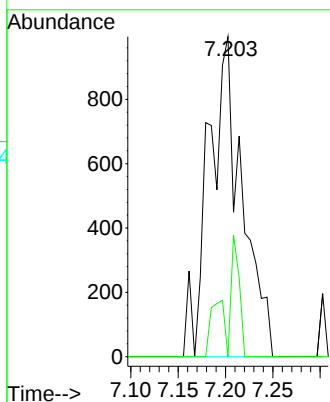
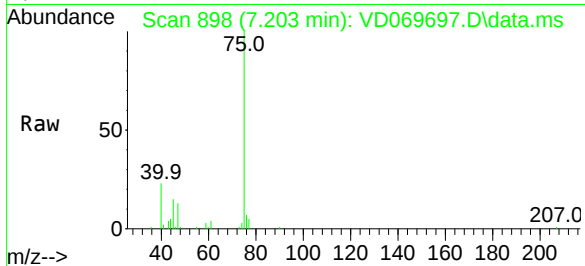




#25
2-Butanone
Concen: 1.770 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.005 min
Lab File: VD069697.D
Acq: 14 Jul 2021 19:34

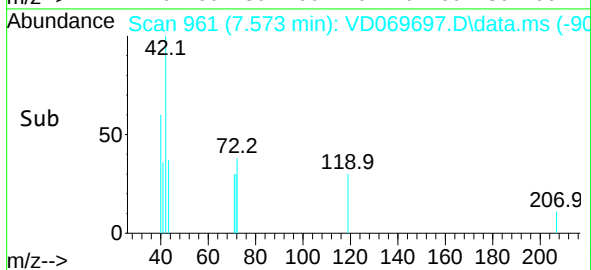
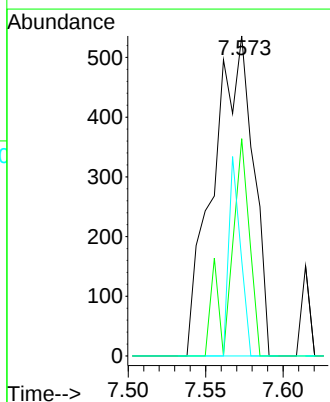
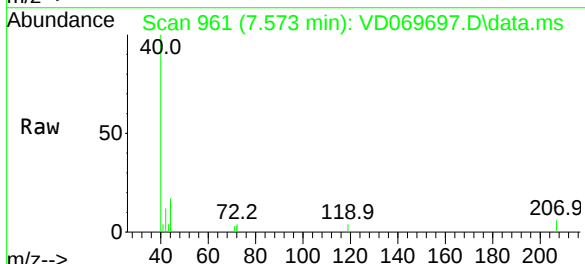
Instrument :
MSVOA_D
ClientSampled :

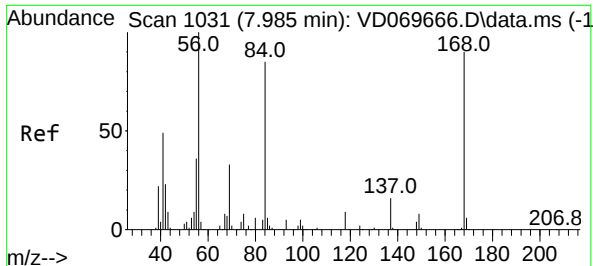
Tgt Ion: 43 Resp: 2441
Ion Ratio Lower Upper
43 100
72 0.0 22.6 33.8#



#29
Tetrahydrofuran
Concen: 1.130 ug/l
RT: 7.573 min Scan# 961
Delta R.T. 0.012 min
Lab File: VD069697.D
Acq: 14 Jul 2021 19:34

Tgt Ion: 42 Resp: 965
Ion Ratio Lower Upper
42 100
72 32.5 36.5 54.7#
71 18.0 33.4 50.0#





#31

Cyclohexane

Concen: 1.594 ug/l

RT: 7.979 min Scan# 1030

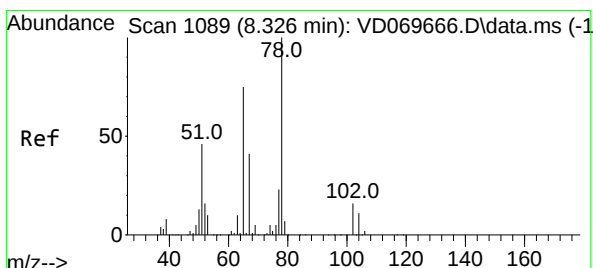
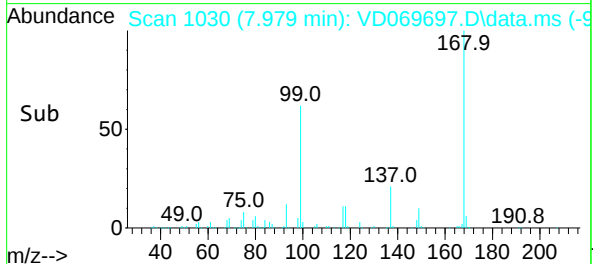
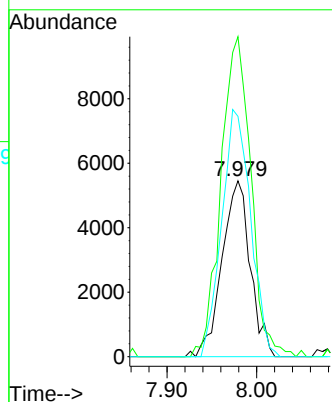
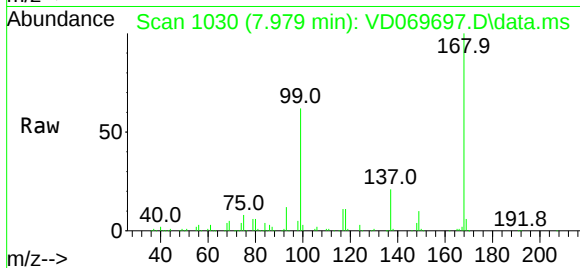
Delta R.T. -0.006 min

Lab File: VD069697.D

Acq: 14 Jul 2021 19:34

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	56	Resp:	11910
Ion	Ratio	Lower	Upper
56	100		
69	182.0	26.6	39.8#
84	136.7	68.2	102.2#



#33

1,2-Dichloroethane-d4

Concen: 53.929 ug/l

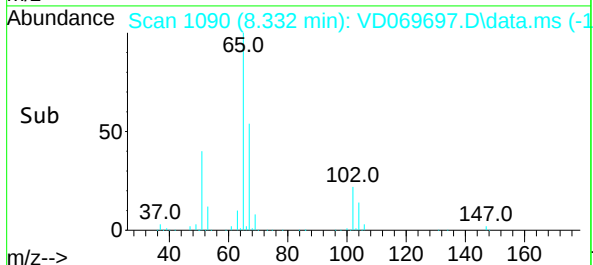
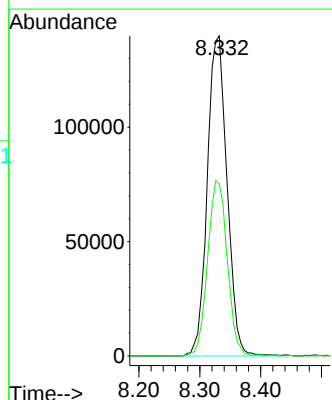
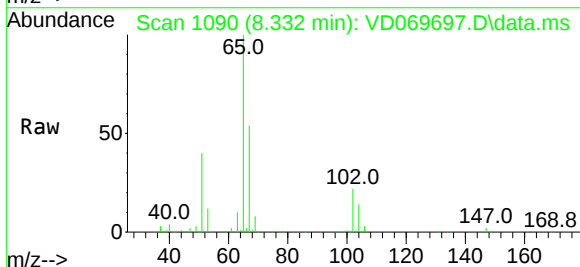
RT: 8.332 min Scan# 1090

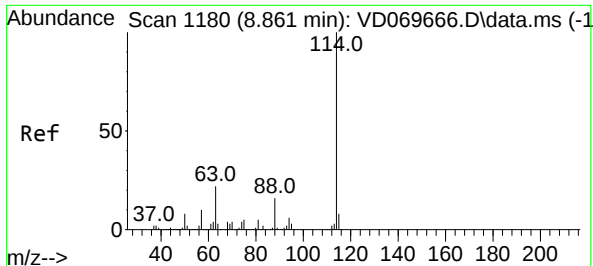
Delta R.T. 0.006 min

Lab File: VD069697.D

Acq: 14 Jul 2021 19:34

Tgt Ion:	65	Resp:	314645
Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	107.2



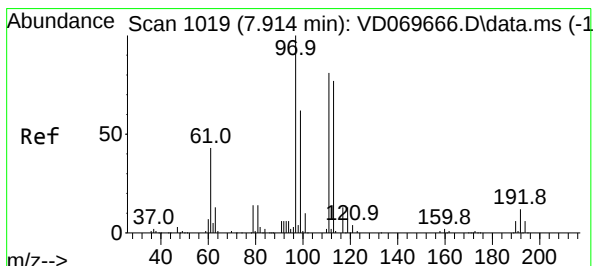
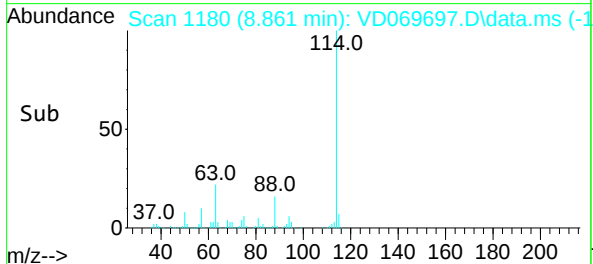
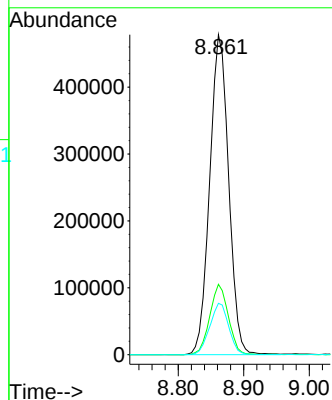
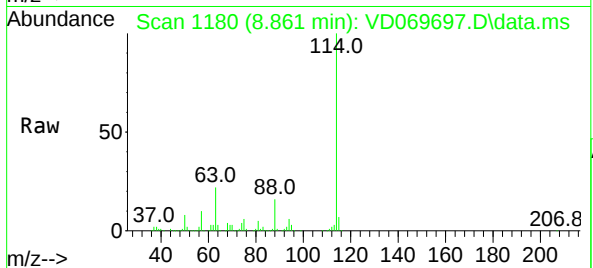


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069697.D
Acq: 14 Jul 2021 19:34

Instrument :
MSVOA_D
ClientSampled :

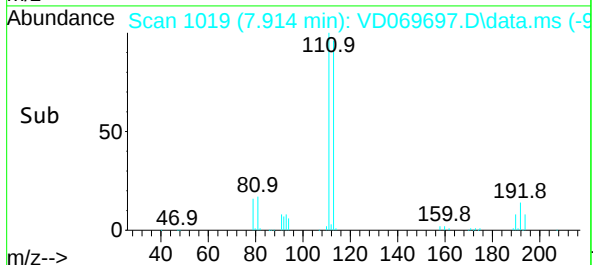
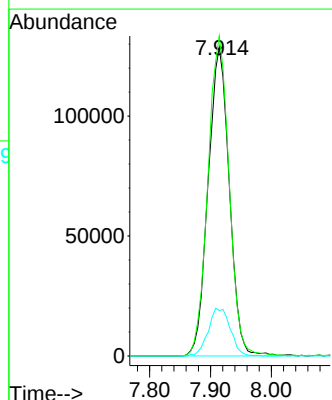
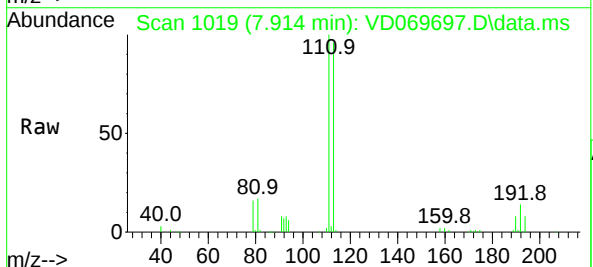
Tgt Ion:114 Resp: 960362
Ion Ratio Lower Upper
114 100
63 22.0 0.0 43.4
88 16.0 0.0 32.0

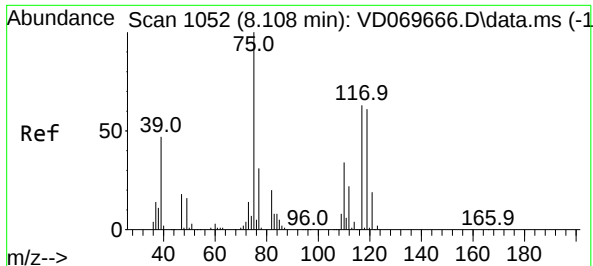


#35

Dibromofluoromethane
Concen: 48.156 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069697.D
Acq: 14 Jul 2021 19:34

Tgt Ion:113 Resp: 310266
Ion Ratio Lower Upper
113 100
111 103.9 82.6 123.8
192 16.1 12.7 19.1

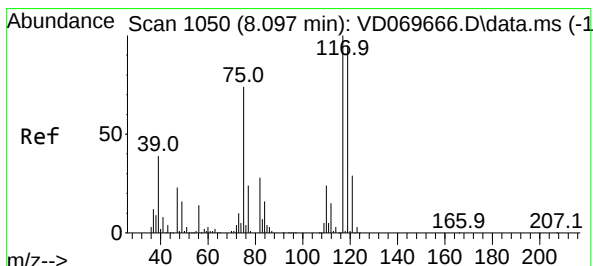
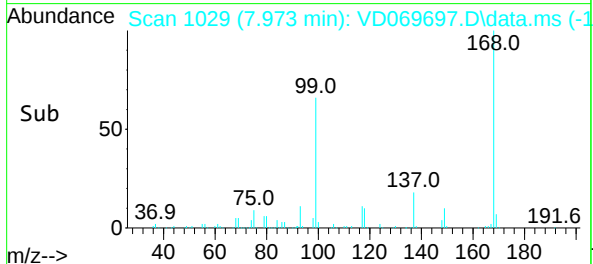
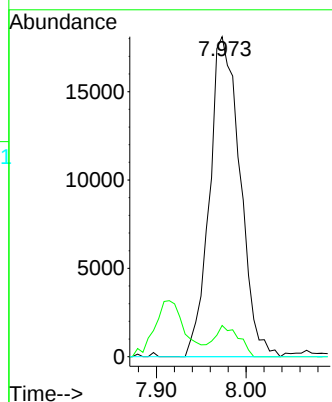
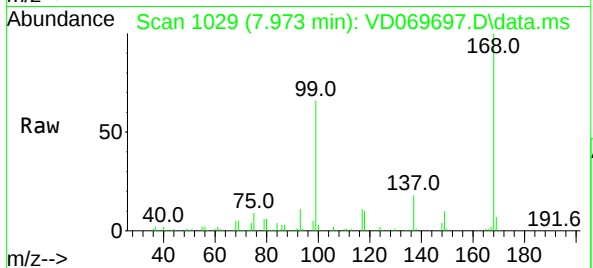




#36
1,1-Dichloropropene
Concen: 4.311 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069697.D
Acq: 14 Jul 2021 19:34

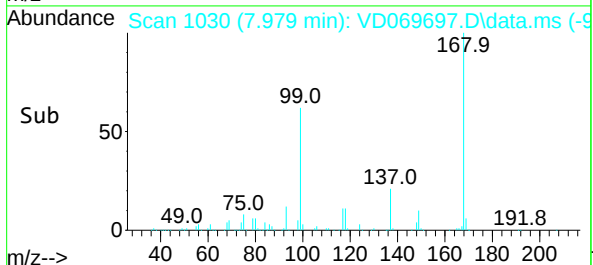
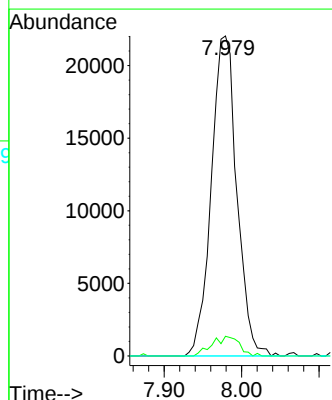
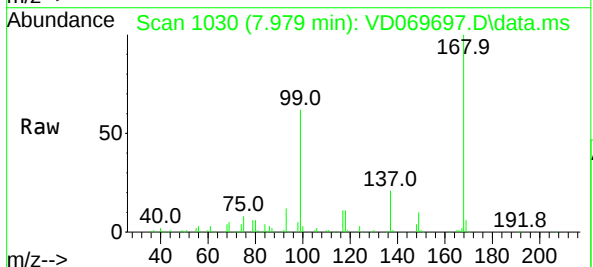
Instrument :
MSVOA_D
ClientSampled :

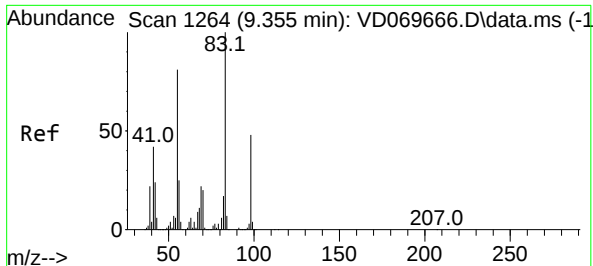
Tgt Ion: 75 Resp: 42712
Ion Ratio Lower Upper
75 100
110 8.2 16.7 50.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.573 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069697.D
Acq: 14 Jul 2021 19:34

Tgt Ion: 117 Resp: 50563
Ion Ratio Lower Upper
117 100
119 6.2 75.7 113.5#
121 0.0 23.0 34.6#





#39

Methylcyclohexane

Concen: 1.987 ug/l

RT: 9.344 min Scan# 1262

Delta R.T. -0.011 min

Lab File: VD069697.D

Acq: 14 Jul 2021 19:34

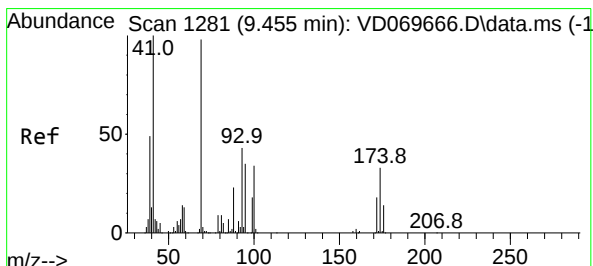
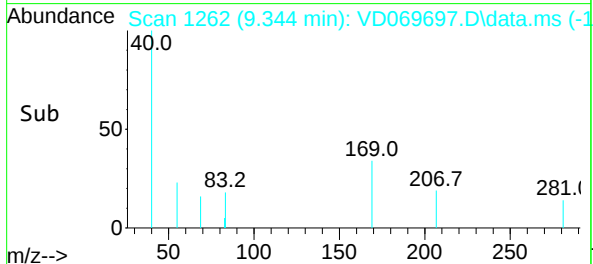
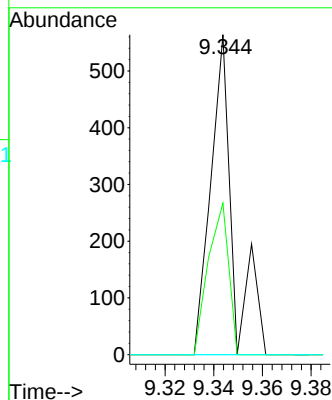
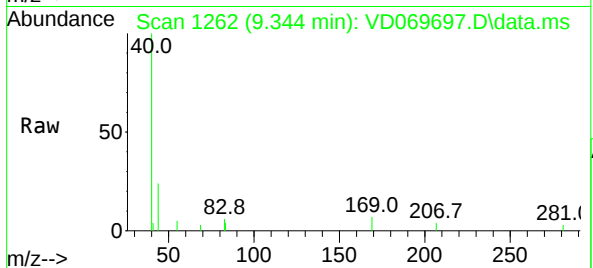
Tgt Ion: 83 Resp: 358

Ion Ratio Lower Upper

83 100

55 47.3 64.6 97.0#

98 0.0 38.4 57.6#



#48

Methyl methacrylate

Concen: 1.141 ug/l

RT: 9.397 min Scan# 1271

Delta R.T. -0.058 min

Lab File: VD069697.D

Acq: 14 Jul 2021 19:34

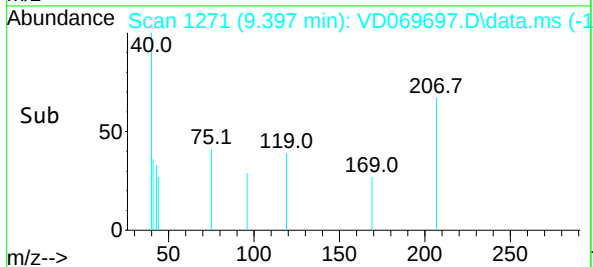
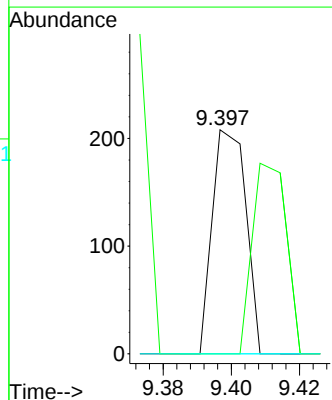
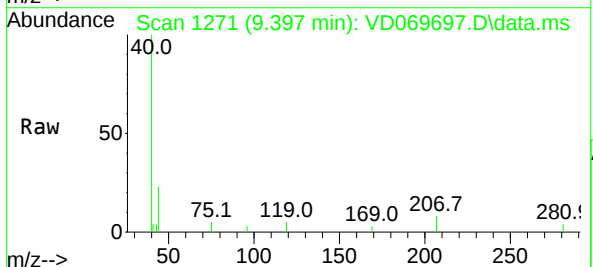
Tgt Ion: 41 Resp: 142

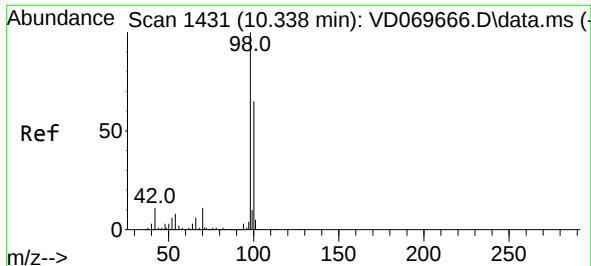
Ion Ratio Lower Upper

41 100

69 85.9 71.6 107.4

39 0.0 36.7 55.1#

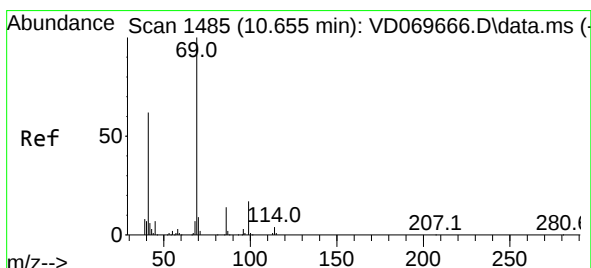
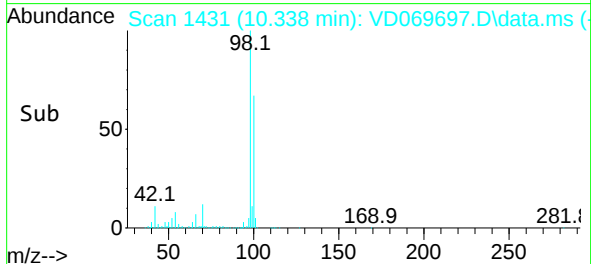
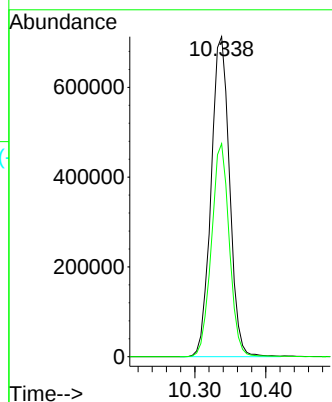
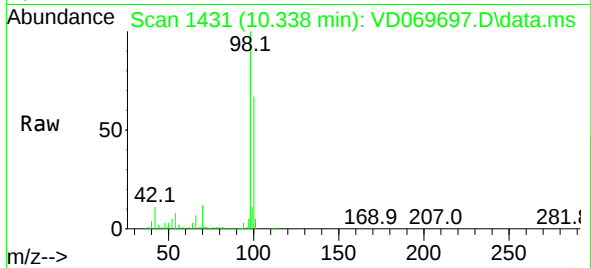




#50
Toluene-d8
Concen: 51.310 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069697.D
Acq: 14 Jul 2021 19:34

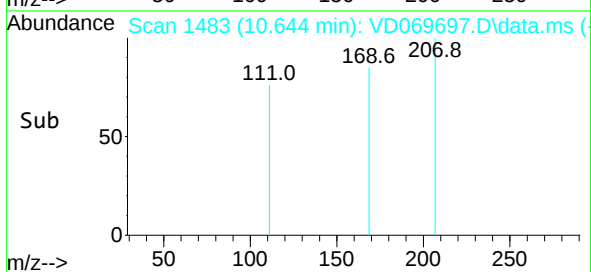
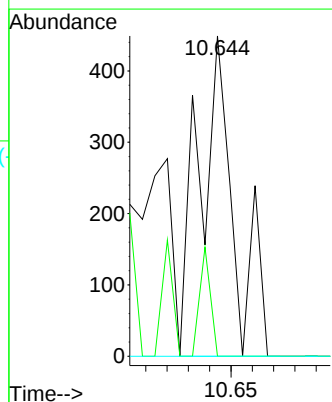
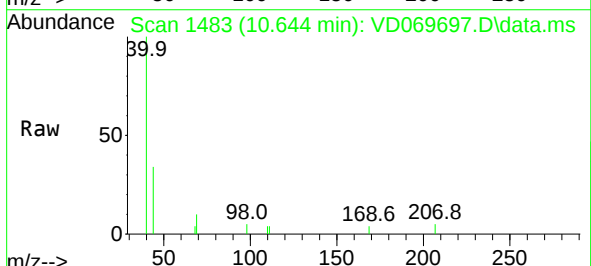
Instrument :
MSVOA_D
ClientSampleId :

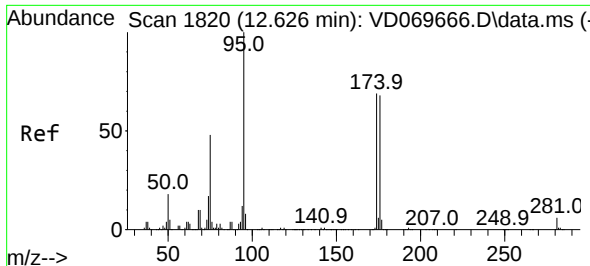
Tgt Ion: 98 Resp: 1284315
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2



#56
Ethyl methacrylate
Concen: 1.740 ug/l
RT: 10.644 min Scan# 1483
Delta R.T. -0.011 min
Lab File: VD069697.D
Acq: 14 Jul 2021 19:34

Tgt Ion: 69 Resp: 511
Ion Ratio Lower Upper
69 100
41 10.6 49.5 74.3#
39 0.0 22.5 33.7#

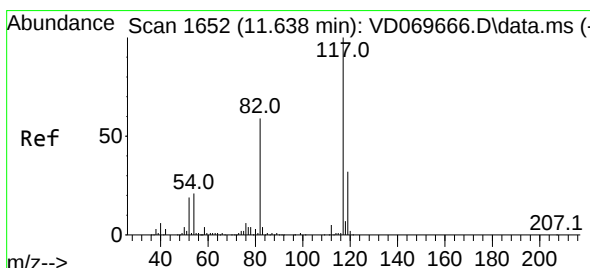
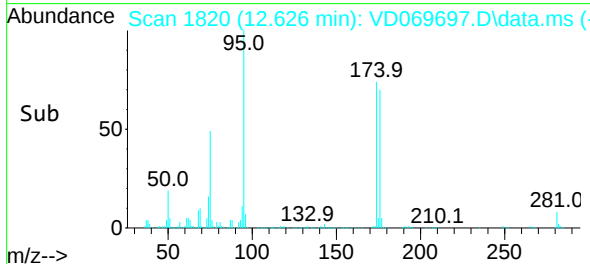
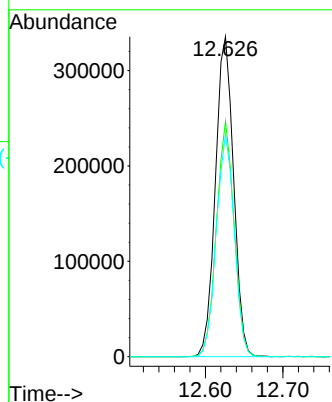
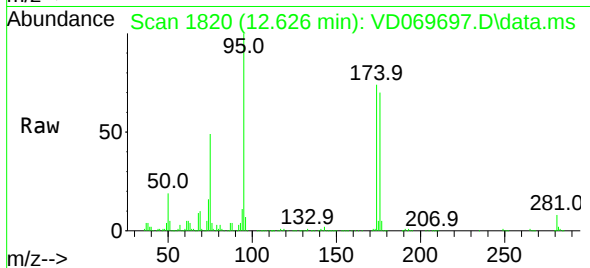




#62
4-Bromofluorobenzene
Concen: 65.494 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069697.D
Acq: 14 Jul 2021 19:34

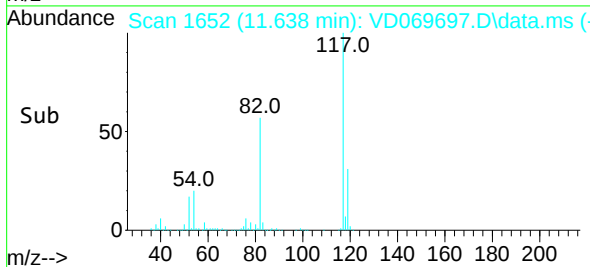
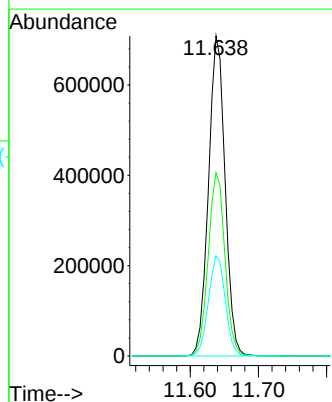
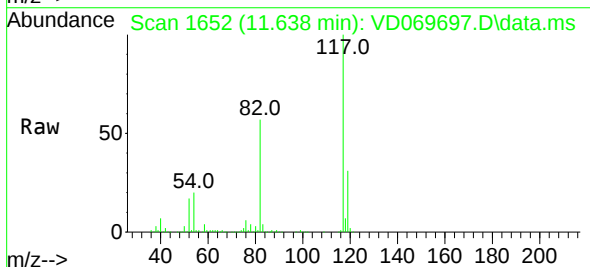
Instrument :
MSVOA_D
ClientSampleId :

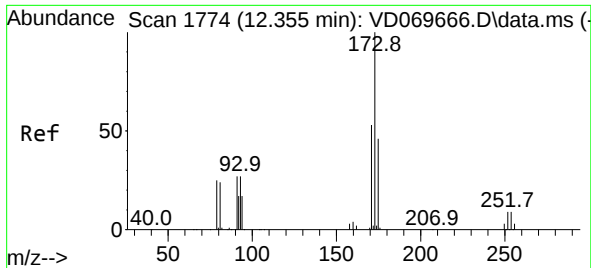
Tgt Ion: 95 Resp: 546737
Ion Ratio Lower Upper
95 100
174 71.7 0.0 140.0
176 69.0 0.0 136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069697.D
Acq: 14 Jul 2021 19:34

Tgt Ion: 117 Resp: 1198534
Ion Ratio Lower Upper
117 100
82 57.2 47.4 71.2
119 31.3 25.5 38.3

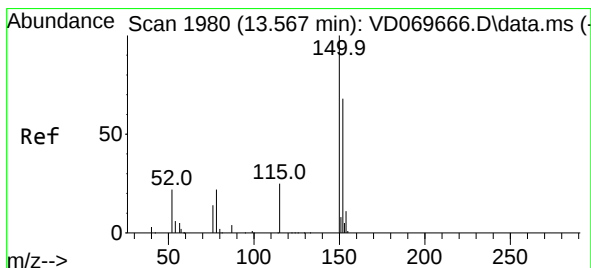
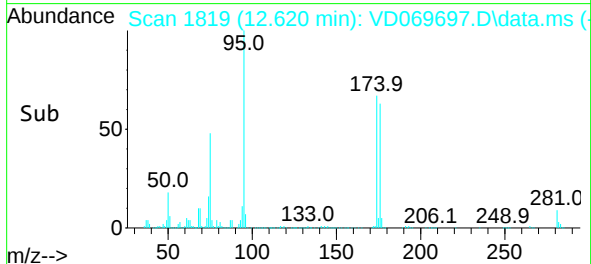
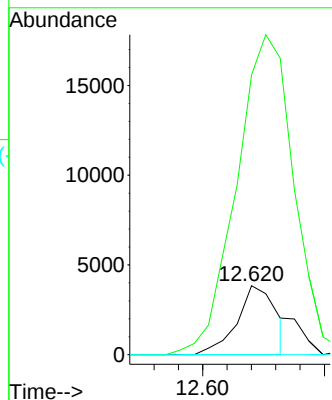
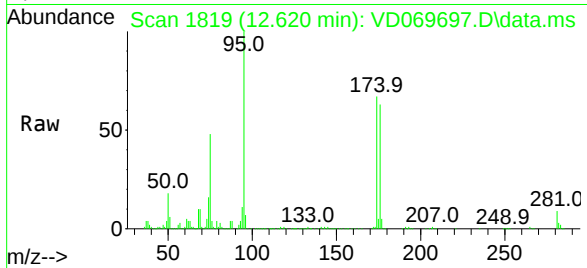




#71
Bromoform
Concen: 1.034 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD069697.D
Acq: 14 Jul 2021 19:34

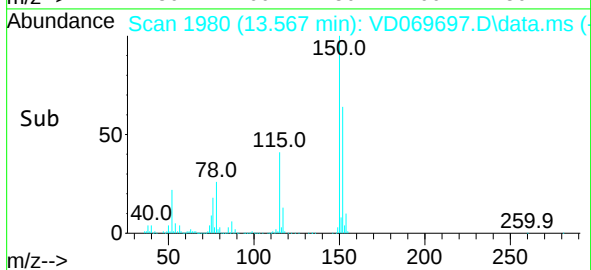
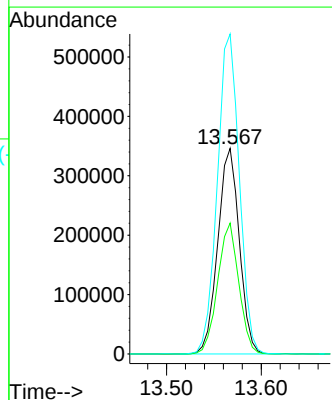
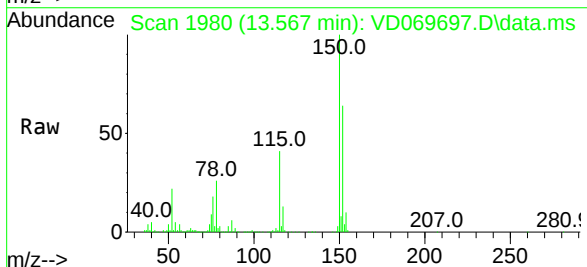
Instrument :
MSVOA_D
ClientSampleId :

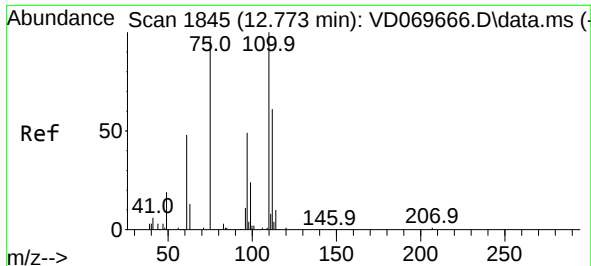
Tgt Ion:173 Resp: 4286
Ion Ratio Lower Upper
173 100
175 556.0 24.2 72.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069697.D
Acq: 14 Jul 2021 19:34

Tgt Ion:152 Resp: 546914
Ion Ratio Lower Upper
152 100
115 62.5 31.7 95.1
150 158.9 0.0 350.4

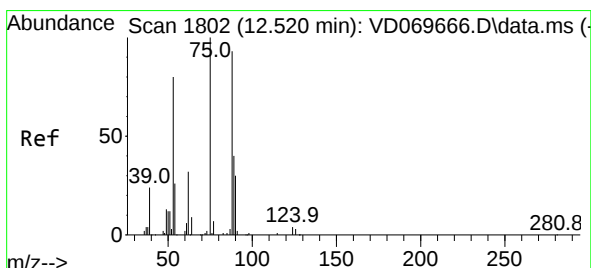
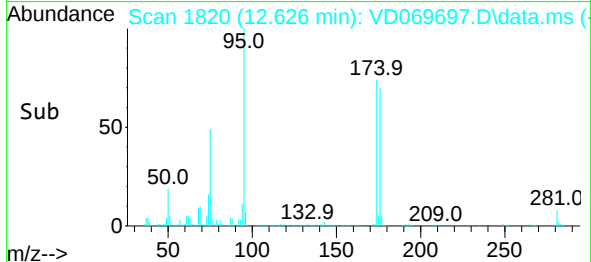
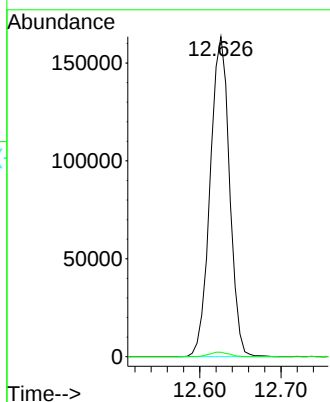
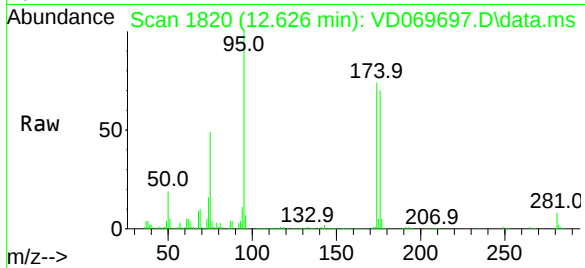




#76
1,2,3-Trichloropropane
Concen: 50.994 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069697.D
Acq: 14 Jul 2021 19:34

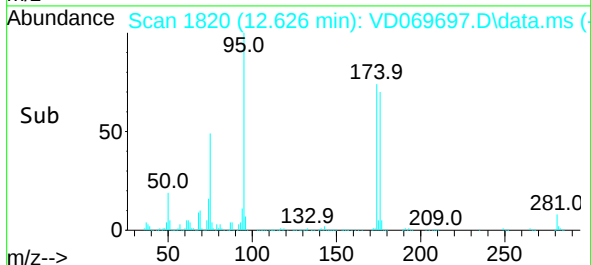
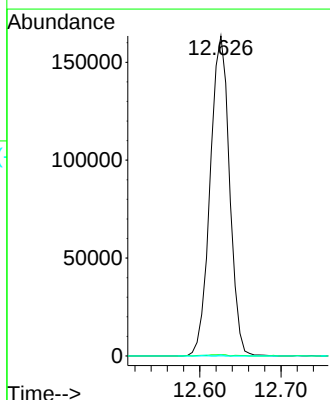
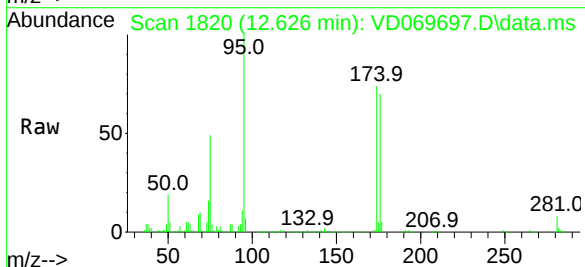
Instrument :
MSVOA_D
ClientSampleId :

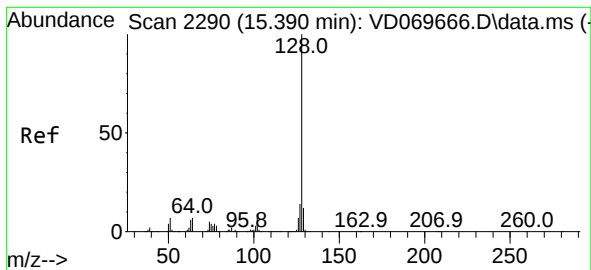
Tgt Ion: 75 Resp: 270937
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 137.044 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069697.D
Acq: 14 Jul 2021 19:34

Tgt Ion: 75 Resp: 270937
Ion Ratio Lower Upper
75 100
53 0.4 70.6 106.0#
89 0.1 35.1 52.7#





#95
Naphthalene
Concen: 2.229 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069697.D
Acq: 14 Jul 2021 19:34

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 428
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 0.0 8.8 13.2#

