

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072821\
 Data File : VD069886.D
 Acq On : 28 Jul 2021 14:00
 Operator : VA/SY
 Sample : M3204-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 29 03:59:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

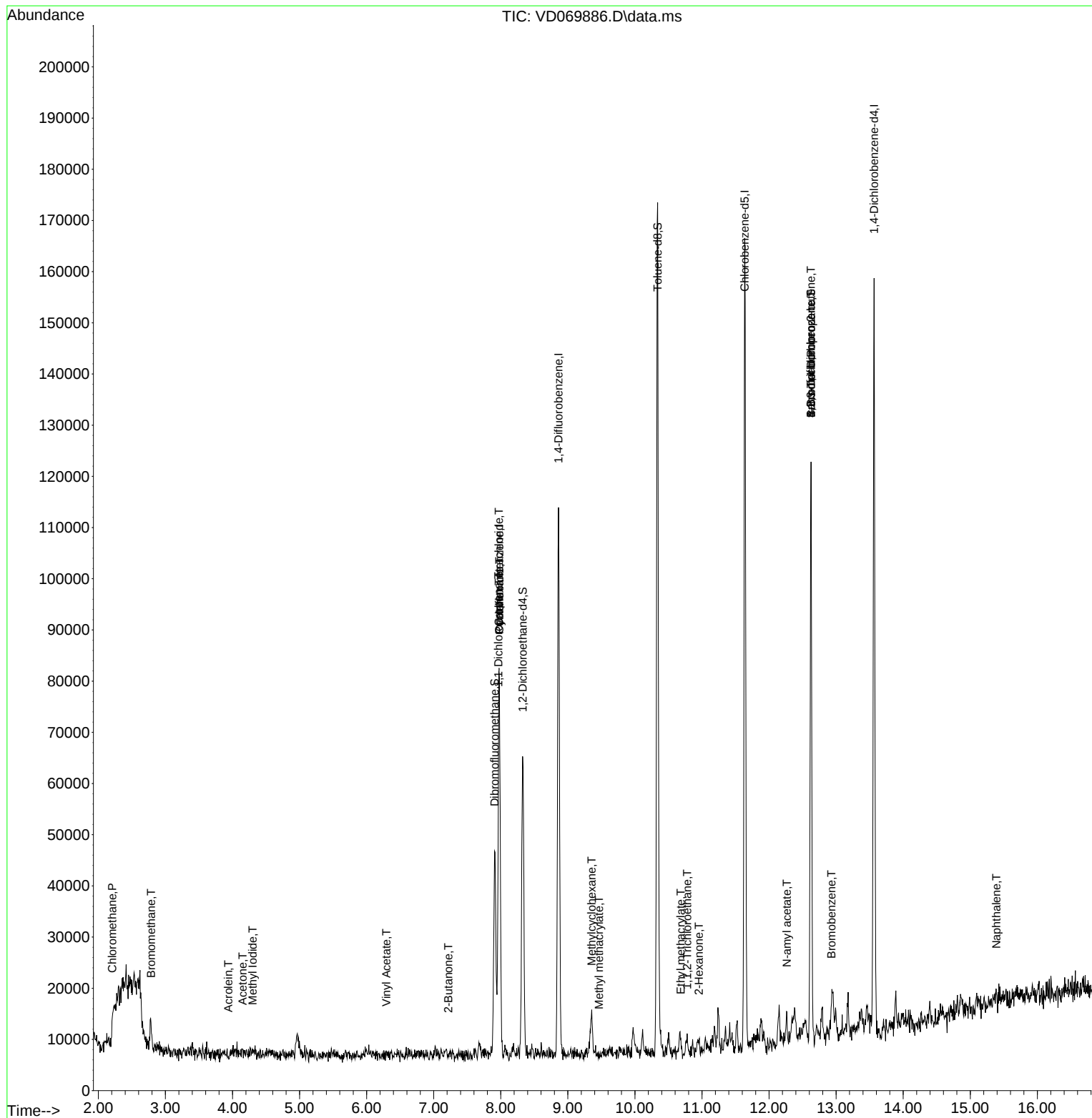
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.979	168	51664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	87601	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	93522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	38369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	48404	81.463	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 162.920%	
35) Dibromofluoromethane	7.908	113	29661	53.711	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.420%	
50) Toluene-d8	10.338	98	112072	52.631	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.260%	
62) 4-Bromofluorobenzene	12.626	95	37229	52.314	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 104.620%	
Target Compounds						Qvalue
3) Chloromethane	2.209	50	1406	1.782	ug/l	97
5) Bromomethane	2.785	94	2919	4.212	ug/l #	72
10) Methyl Iodide	4.303	142	1096	5.051	ug/l #	74
13) Acrolein	3.938	56	72	1.673	ug/l #	14
16) Acetone	4.150	43	254	2.366	ug/l #	38
20) Methylene Chloride	4.961	84	2880	Below Cal	#	86
23) Vinyl Acetate	6.297	43	59	20.402	ug/l #	71
25) 2-Butanone	7.220	43	200	1.374	ug/l #	46
31) Cyclohexane	7.979	56	2428	2.091	ug/l #	52
36) 1,1-Dichloropropene	7.967	75	4566	4.830	ug/l #	48
38) Carbon Tetrachloride	7.973	117	5844	6.768	ug/l #	12
39) Methylcyclohexane	9.355	83	3199	2.955	ug/l #	80
48) Methyl methacrylate	9.467	41	59	2.916	ug/l #	13
55) 1,1,2-Trichloroethane	10.779	97	881	1.764	ug/l #	15
56) Ethyl methacrylate	10.685	69	365	4.441	ug/l #	1
59) 2-Hexanone	10.955	43	1373	6.463	ug/l #	21
71) Bromoform	12.626	173	365	1.078	ug/l #	1
74) N-amyl acetate	12.267	43	1490	2.628	ug/l #	54
76) 1,2,3-Trichloropropane	12.626	75	17789	43.618	ug/l #	1
77) Bromobenzene	12.932	156	1953	3.145	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	17789	132.326	ug/l #	16
95) Naphthalene	15.390	128	1253	5.898	ug/l #	92

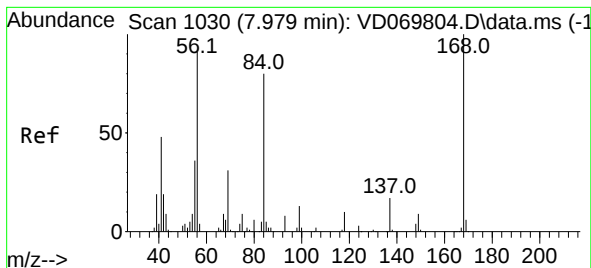
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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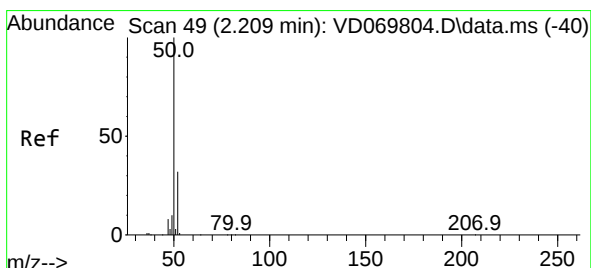
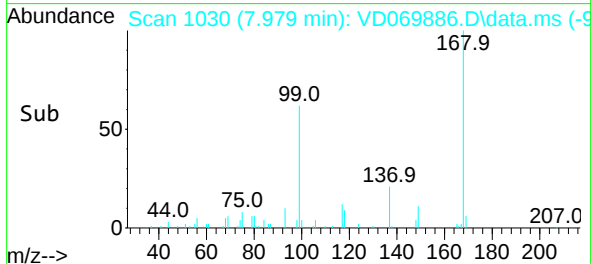
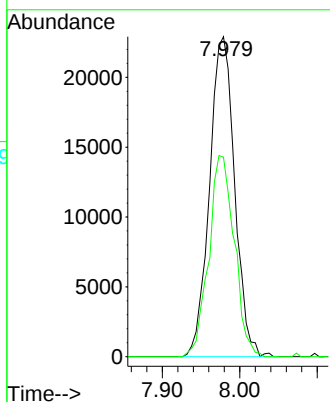
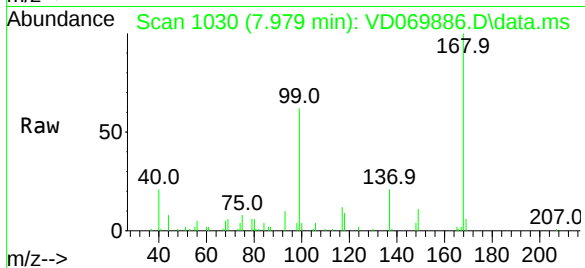




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

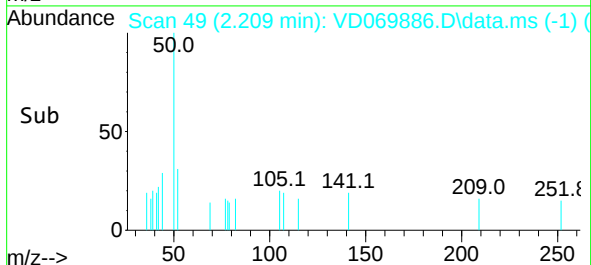
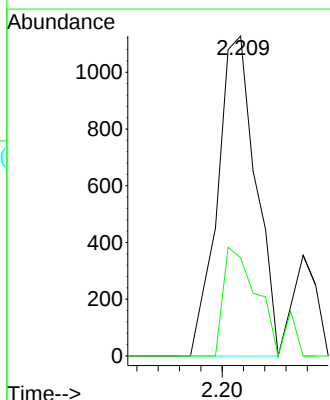
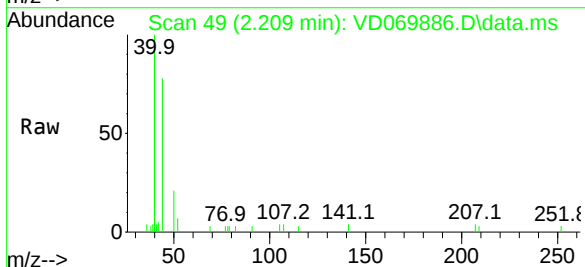
Instrument :
MSVOA_D
ClientSampleId :

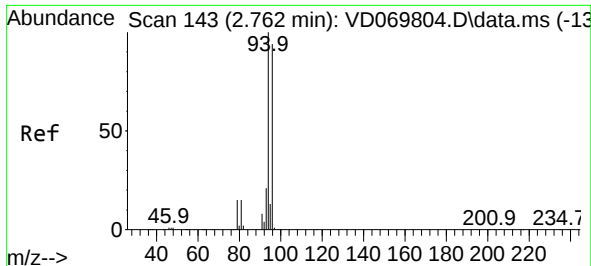
Tgt Ion:168 Resp: 51664
Ion Ratio Lower Upper
168 100
99 62.3 51.1 76.7



#3
Chloromethane
Concen: 1.782 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

Tgt Ion: 50 Resp: 1406
Ion Ratio Lower Upper
50 100
52 30.7 25.7 38.5

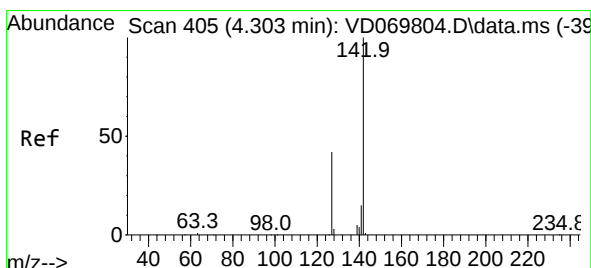
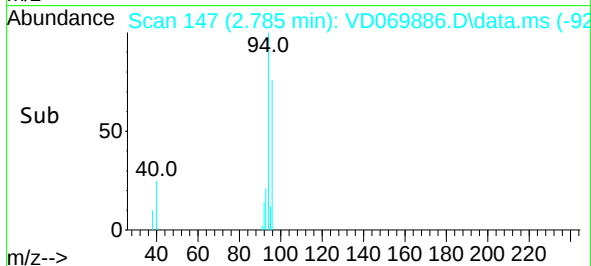
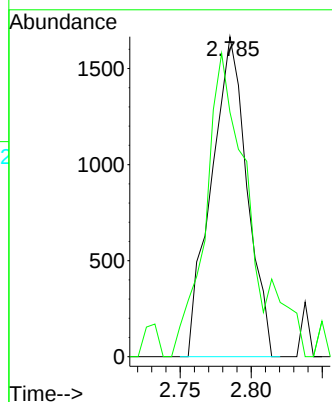
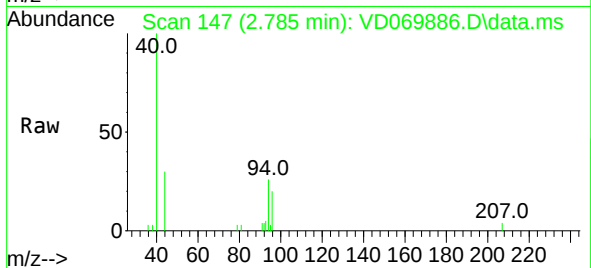




#5
Bromomethane
Concen: 4.212 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

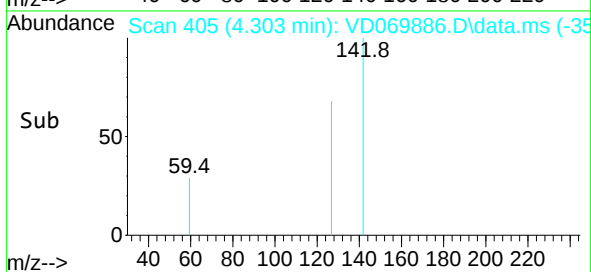
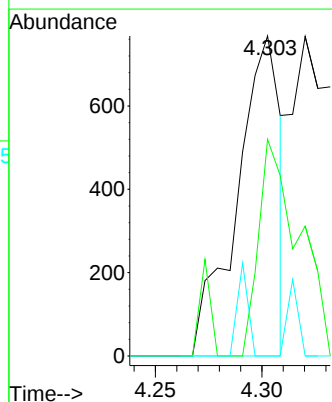
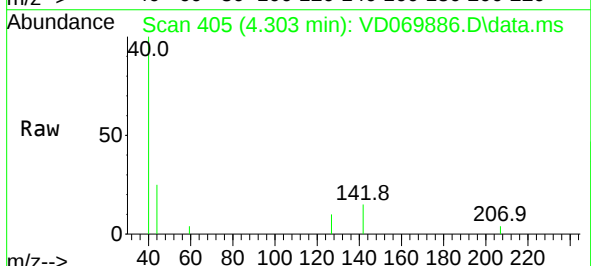
Instrument :
MSVOA_D
ClientSampleId :

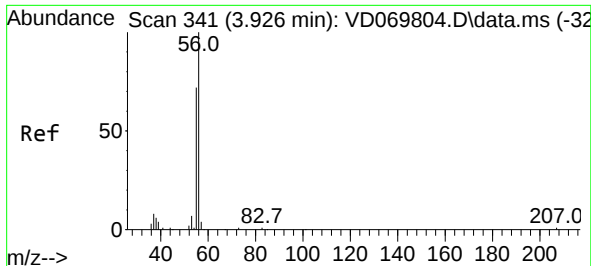
Tgt Ion: 94 Resp: 2919
Ion Ratio Lower Upper
94 100
96 67.0 74.8 112.2#



#10
Methyl Iodide
Concen: 5.051 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

Tgt Ion:142 Resp: 1096
Ion Ratio Lower Upper
142 100
127 62.0 35.7 53.5#
141 5.9 12.0 18.0#

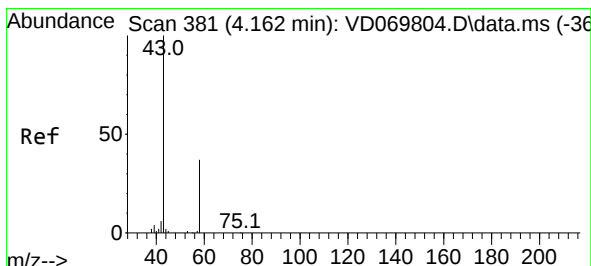
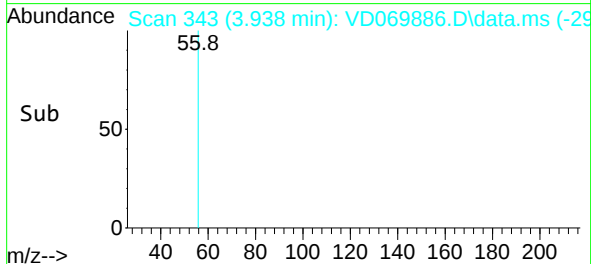
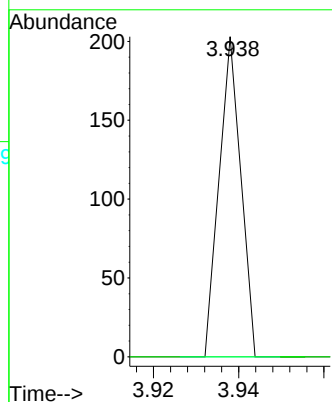
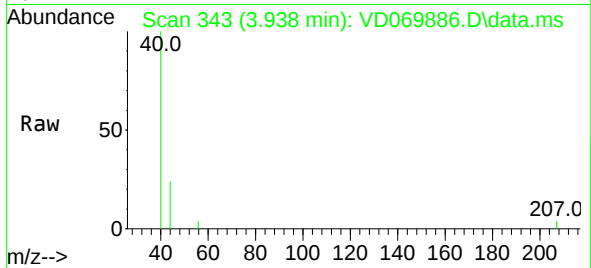




#13
Acrolein
Concen: 1.673 ug/l
RT: 3.938 min Scan# 343
Delta R.T. 0.012 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

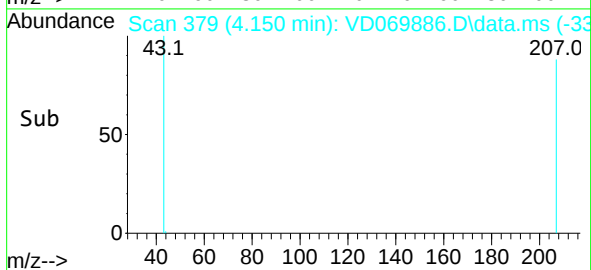
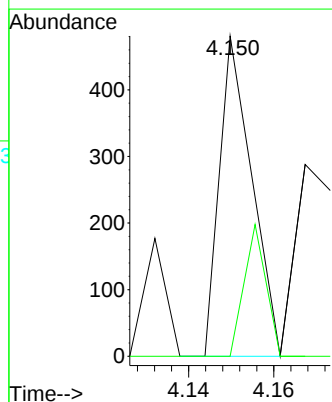
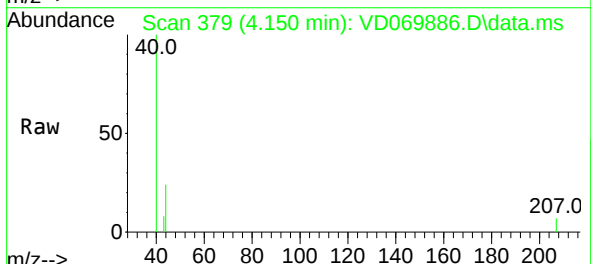
Instrument :
MSVOA_D
ClientSampled :

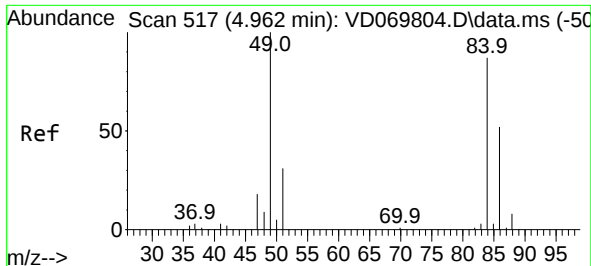
Tgt Ion: 56 Resp: 72
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#



#16
Acetone
Concen: 2.366 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.012 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

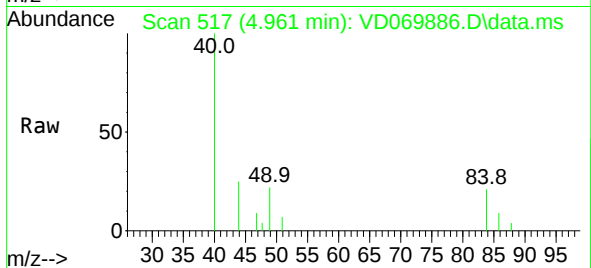
Tgt Ion: 43 Resp: 254
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#



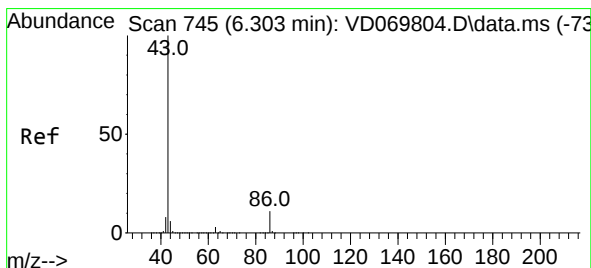
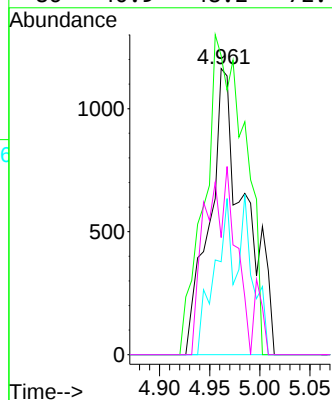
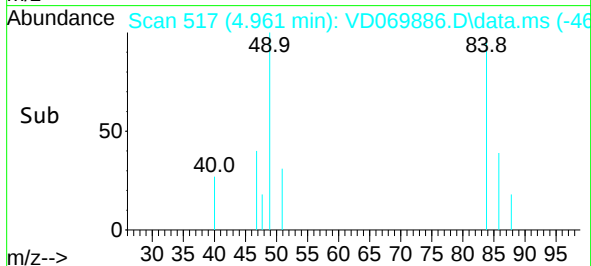


#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

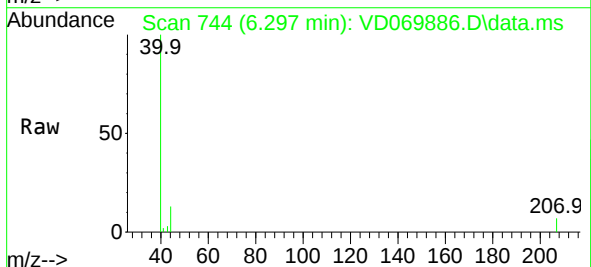
Instrument :
MSVOA_D
ClientSampled :



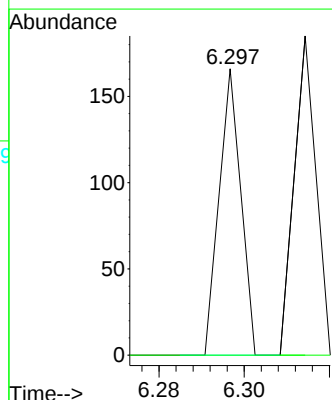
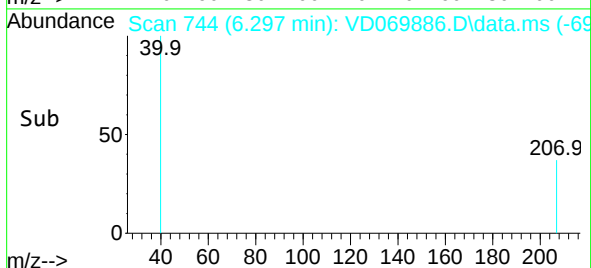
Tgt Ion:	84	Resp:	2880
Ion	Ratio	Lower	Upper
84	100		
49	104.5	92.4	138.6
51	32.5	28.5	42.7
86	40.9	48.2	72.4#

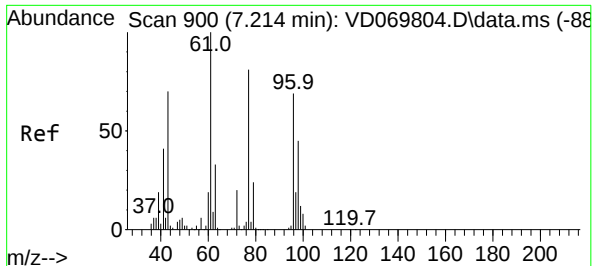


#23
Vinyl Acetate
Concen: 20.402 ug/l
RT: 6.297 min Scan# 744
Delta R.T. -0.006 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00



Tgt Ion:	43	Resp:	59
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#

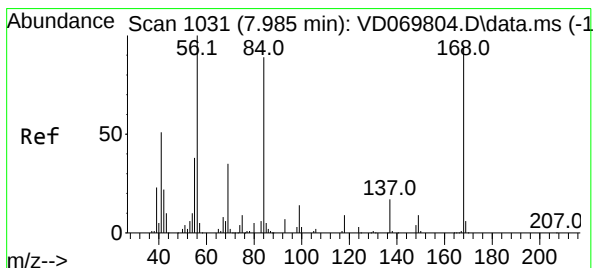
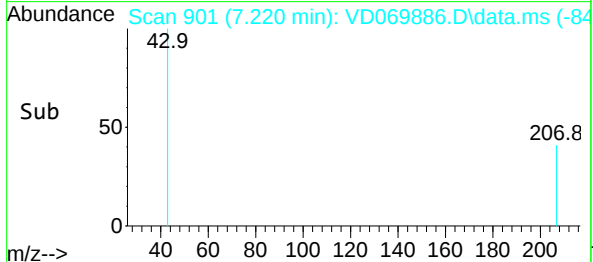
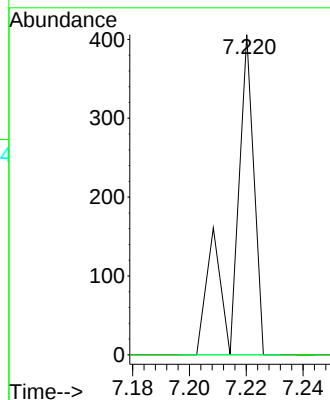
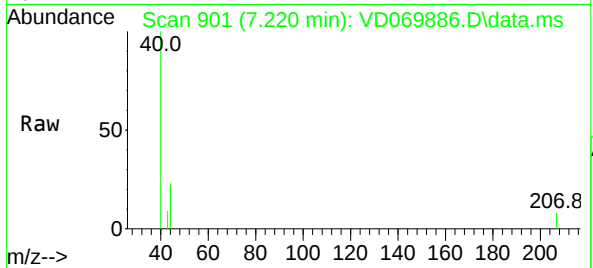




#25
2-Butanone
Concen: 1.374 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

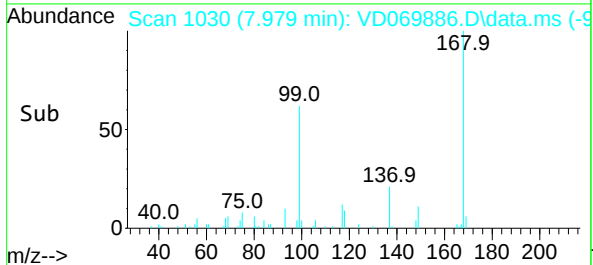
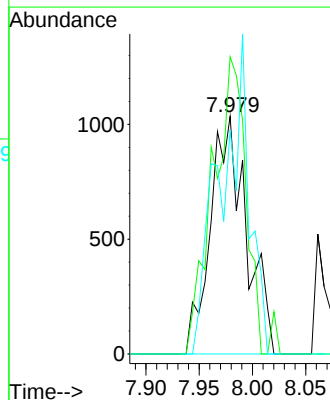
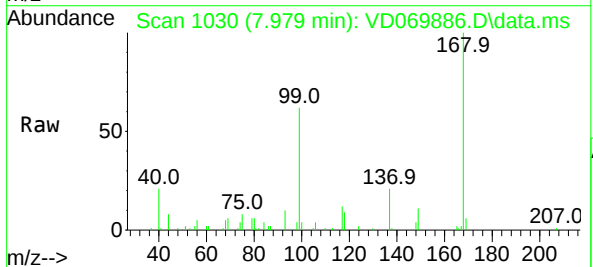
Instrument :
MSVOA_D
ClientSampled :

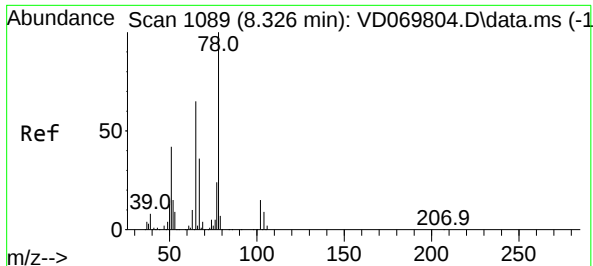
Tgt Ion: 43 Resp: 200
Ion Ratio Lower Upper
43 100
72 0.0 22.8 34.2#



#31
Cyclohexane
Concen: 2.091 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

Tgt Ion: 56 Resp: 2428
Ion Ratio Lower Upper
56 100
69 125.0 27.9 41.9#
84 94.3 71.4 107.2

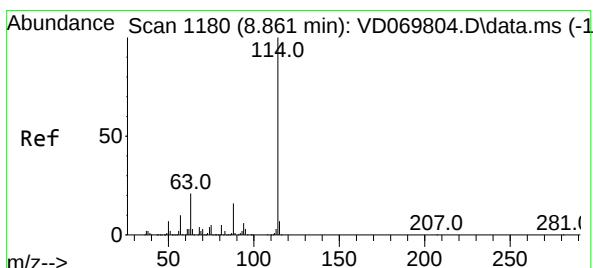
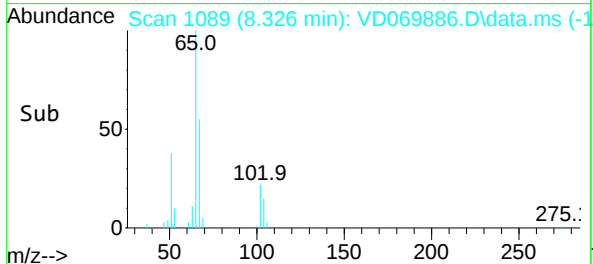
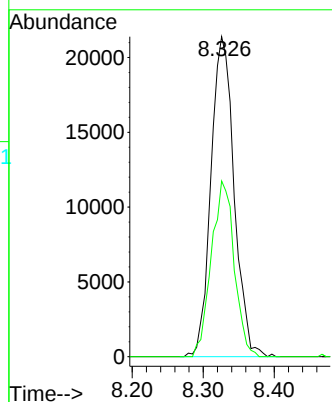
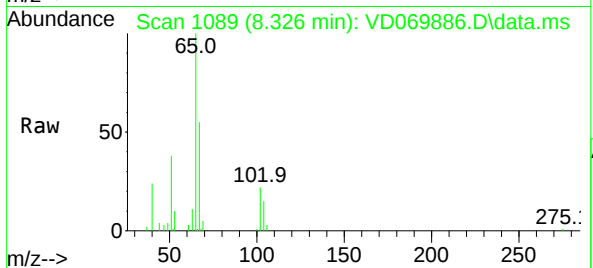




#33
1,2-Dichloroethane-d4
Concen: 81.463 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

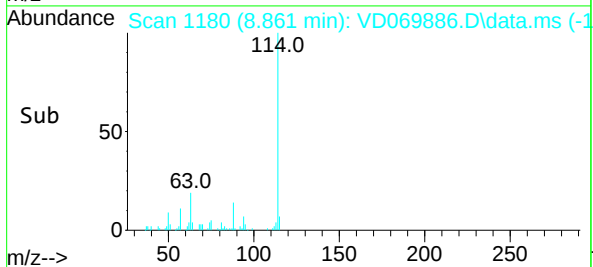
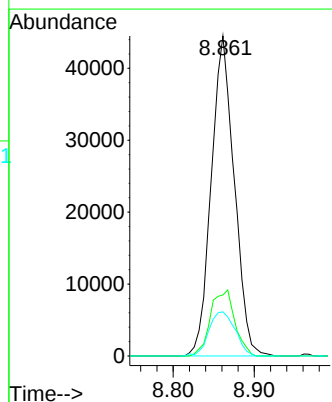
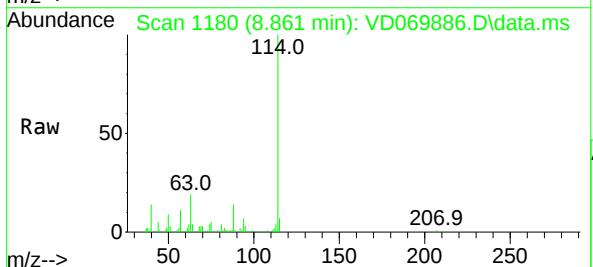
Instrument :
MSVOA_D
ClientSampleId :

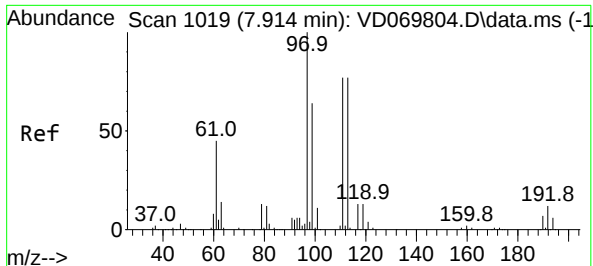
Tgt Ion: 65 Resp: 48404
Ion Ratio Lower Upper
65 100
67 54.2 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

Tgt Ion: 114 Resp: 87601
Ion Ratio Lower Upper
114 100
63 19.0 0.0 41.6
88 13.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.711 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD069886.D

Acq: 28 Jul 2021 14:00

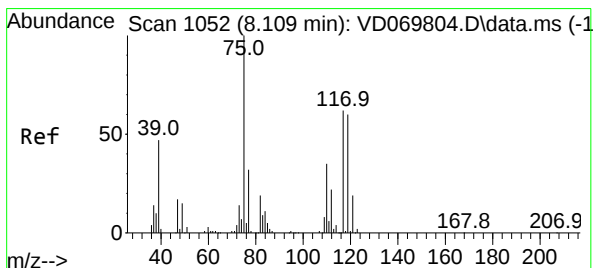
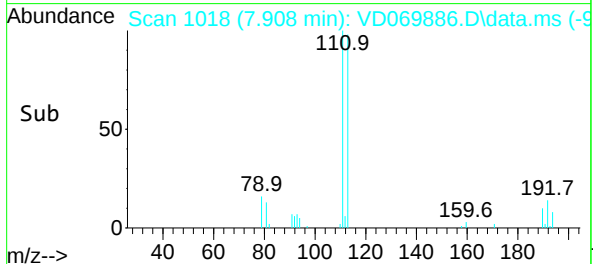
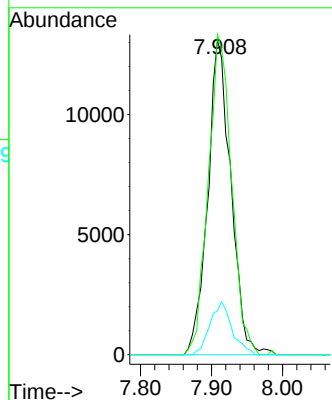
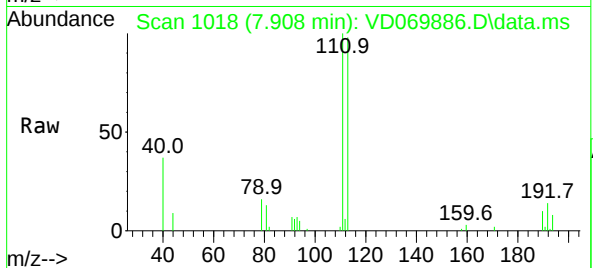
Tgt Ion:113 Resp: 29661

Ion Ratio Lower Upper

113 100

111 102.5 80.5 120.7

192 15.9 12.6 19.0



#36

1,1-Dichloropropene

Concen: 4.830 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD069886.D

Acq: 28 Jul 2021 14:00

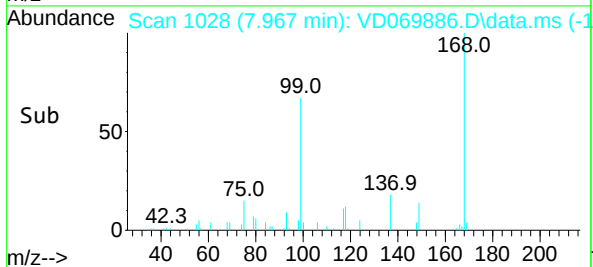
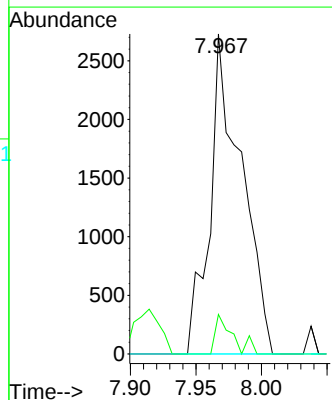
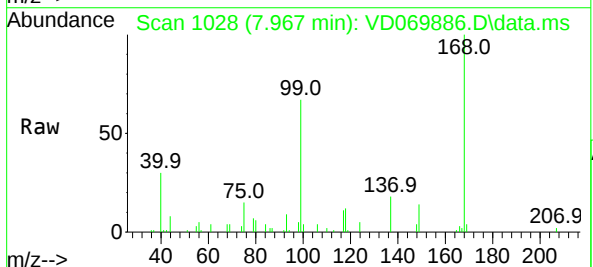
Tgt Ion: 75 Resp: 4566

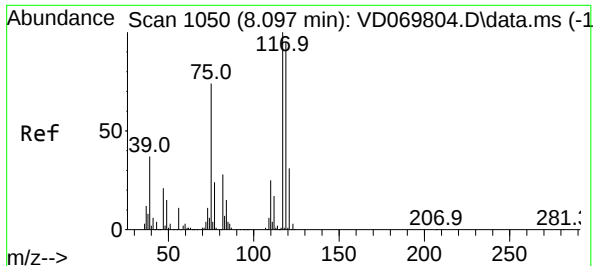
Ion Ratio Lower Upper

75 100

110 6.7 16.9 50.7#

77 0.0 24.9 37.3#

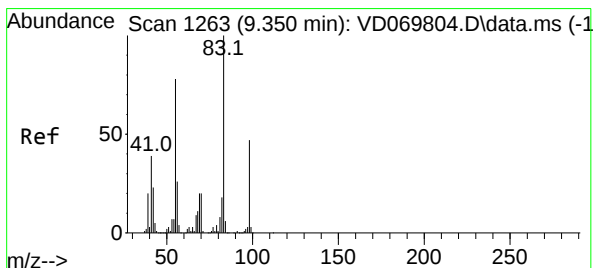
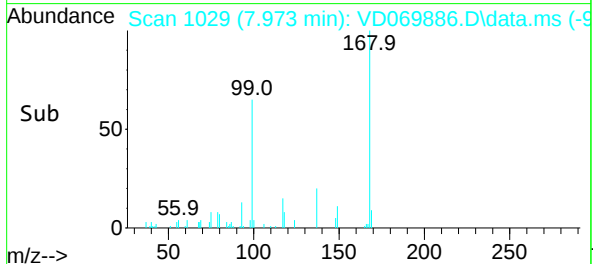
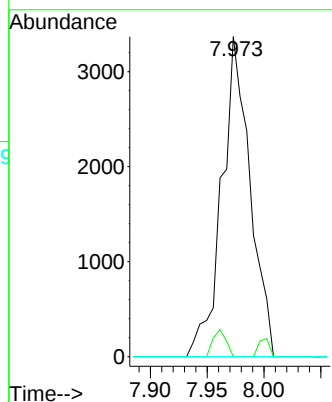
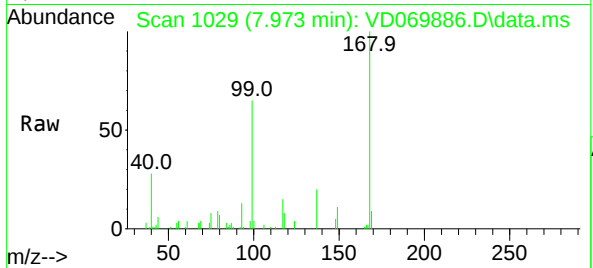




#38
Carbon Tetrachloride
Concen: 6.768 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

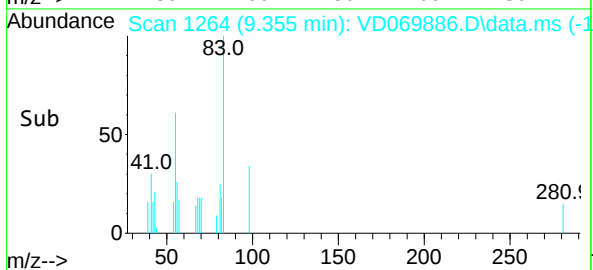
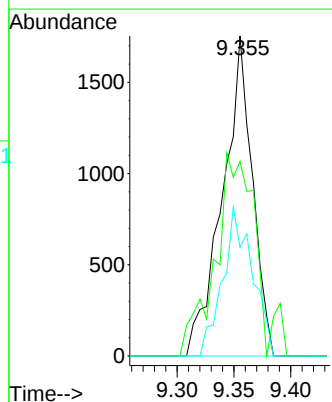
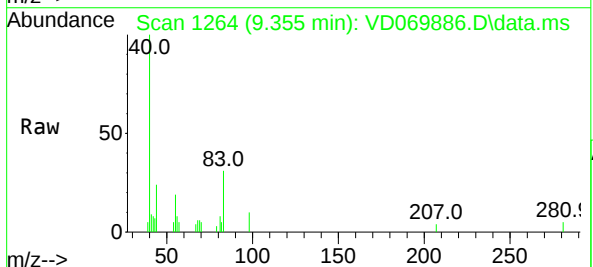
Instrument :
MSVOA_D
ClientSampleId :

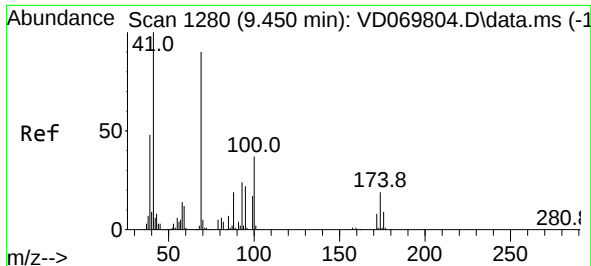
Tgt Ion:117 Resp: 5844
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 2.955 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. 0.006 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

Tgt Ion: 83 Resp: 3199
Ion Ratio Lower Upper
83 100
55 60.8 62.2 93.2#
98 33.9 37.8 56.8#

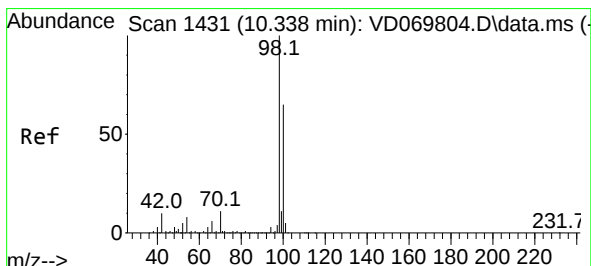
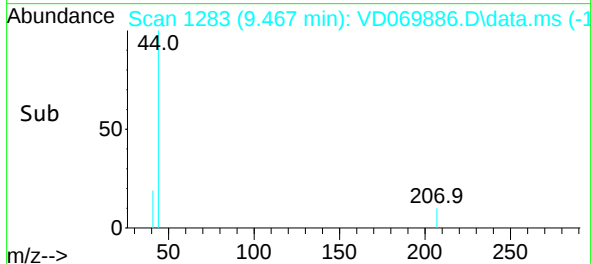
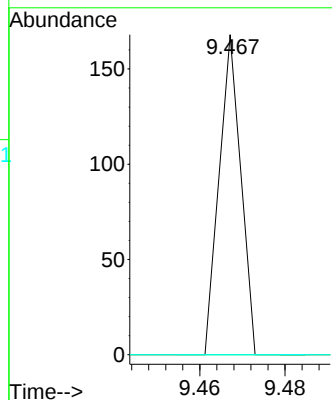
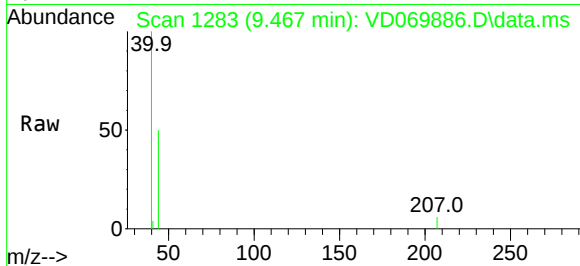




#48
Methyl methacrylate
Concen: 2.916 ug/l
RT: 9.467 min Scan# 1283
Delta R.T. 0.017 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

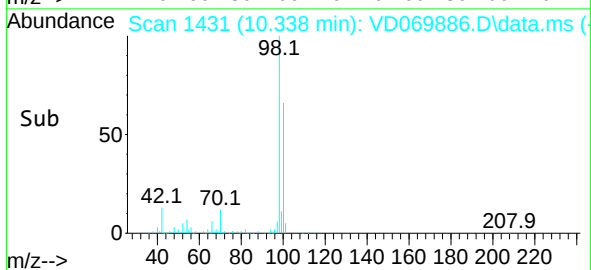
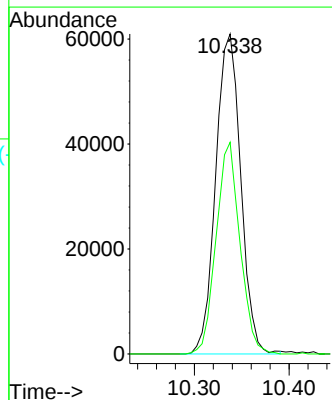
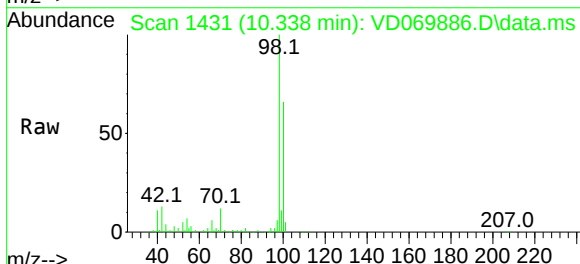
Instrument :
MSVOA_D
ClientSampleId :

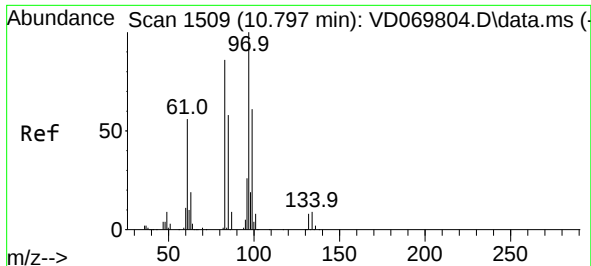
Tgt Ion: 41 Resp: 59
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#



#50
Toluene-d8
Concen: 52.631 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

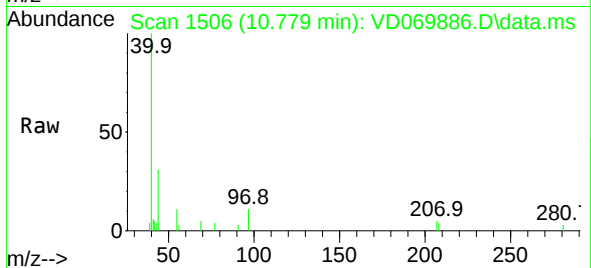
Tgt Ion: 98 Resp: 112072
Ion Ratio Lower Upper
98 100
100 63.0 51.9 77.9



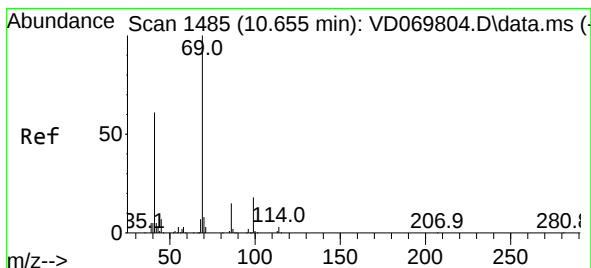
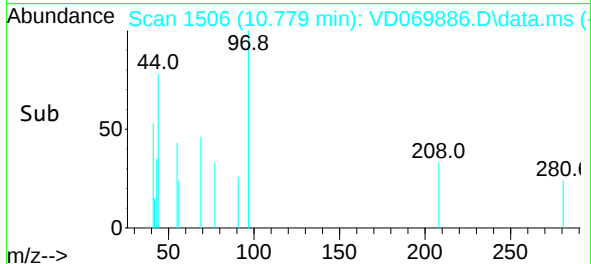
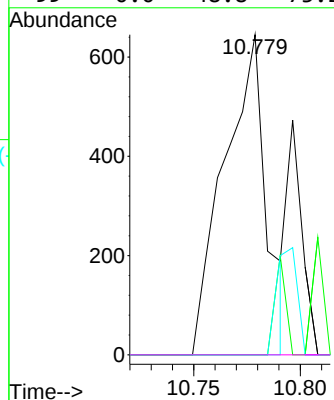


#55
1,1,2-Trichloroethane
Concen: 1.764 ug/l
RT: 10.779 min Scan# 1506
Delta R.T. -0.018 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

Instrument :
MSVOA_D
ClientSampleId :

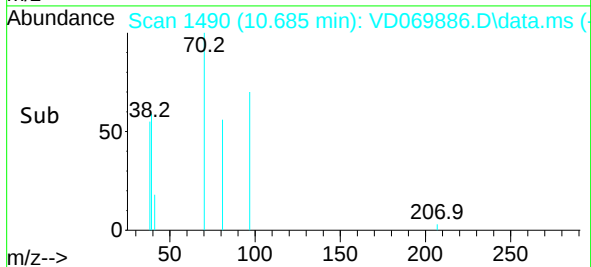
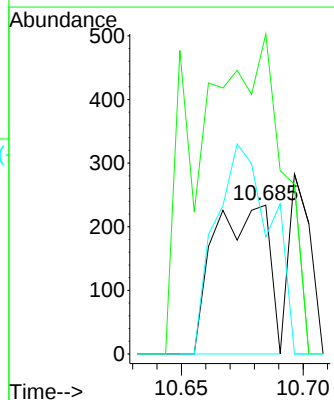
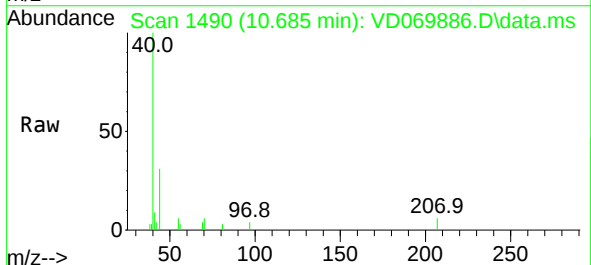


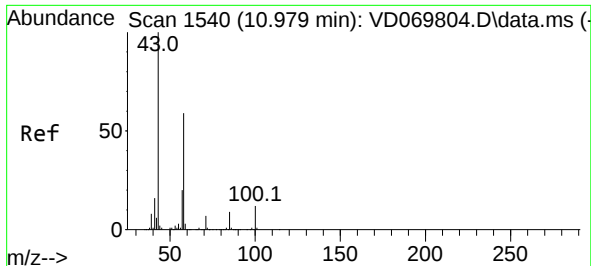
Tgt Ion:	97	Resp:	881
Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.1	103.7#
85	0.0	46.2	69.2#
99	0.0	48.8	73.2#



#56
Ethyl methacrylate
Concen: 4.441 ug/l
RT: 10.685 min Scan# 1490
Delta R.T. 0.030 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

Tgt Ion:	69	Resp:	365
Ion	Ratio	Lower	Upper
69	100		
41	334.2	50.2	75.2#
39	142.2	22.0	33.0#

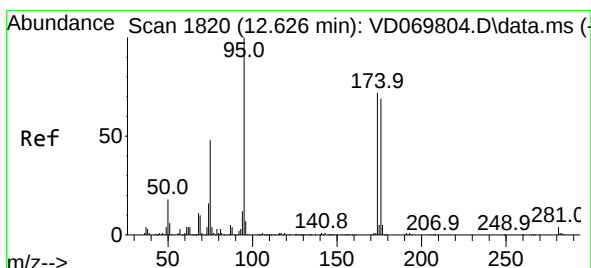
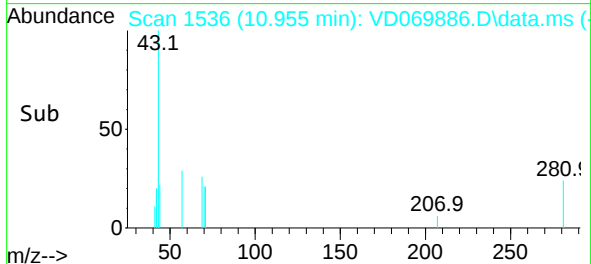
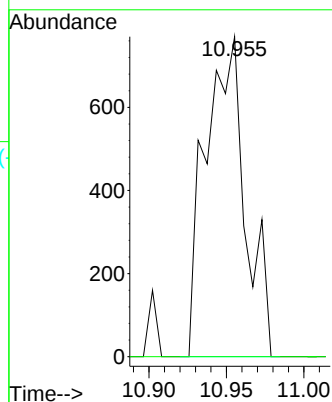
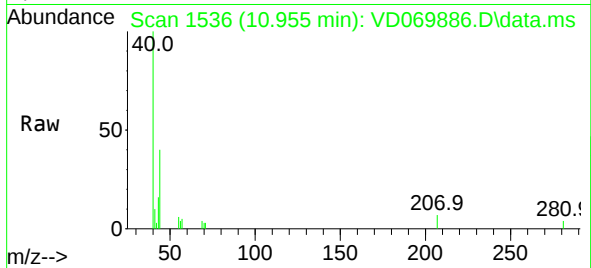




#59
2-Hexanone
Concen: 6.463 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. -0.024 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

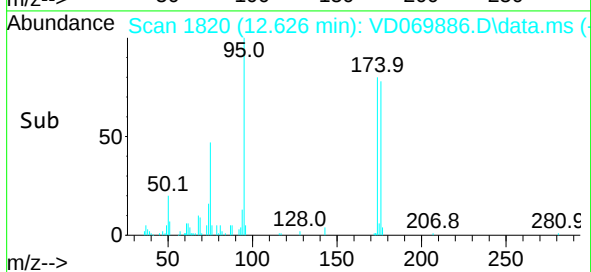
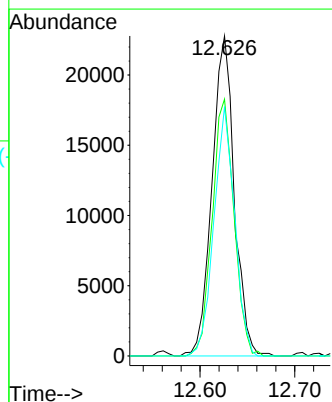
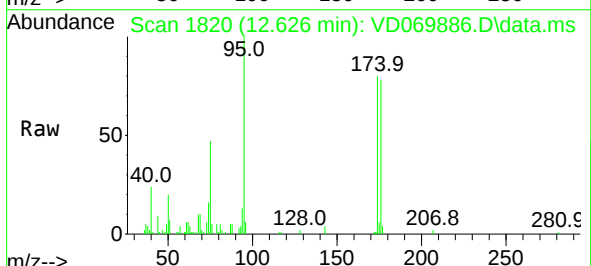
Instrument :
MSVOA_D
ClientSampled :

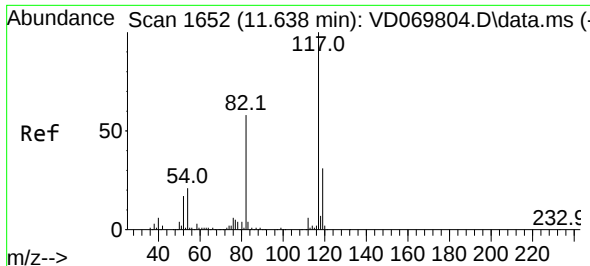
Tgt Ion: 43 Resp: 1373
Ion Ratio Lower Upper
43 100
58 0.0 29.4 88.3#



#62
4-Bromofluorobenzene
Concen: 52.314 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

Tgt Ion: 95 Resp: 37229
Ion Ratio Lower Upper
95 100
174 78.5 0.0 142.6
176 72.7 0.0 134.2

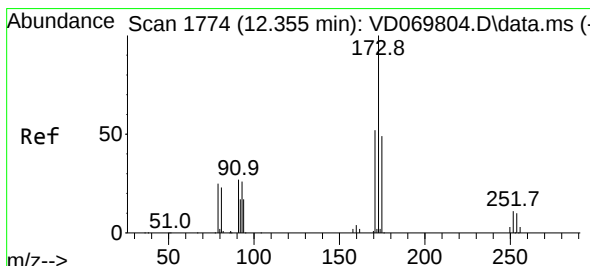
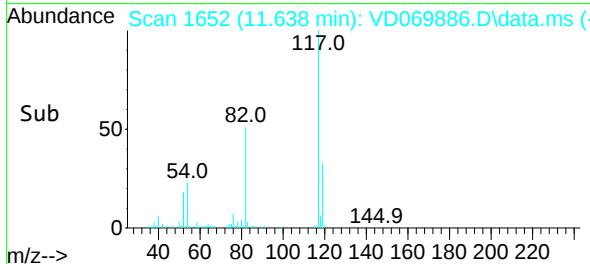
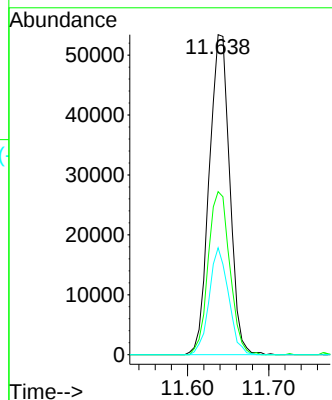
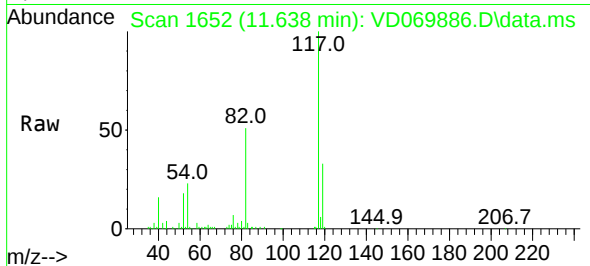




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

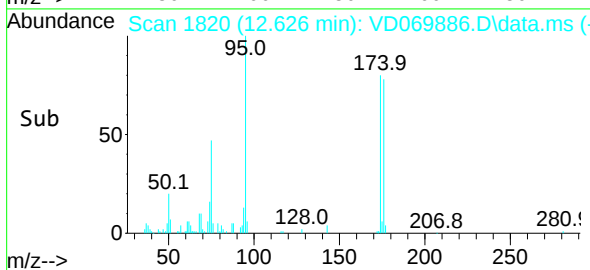
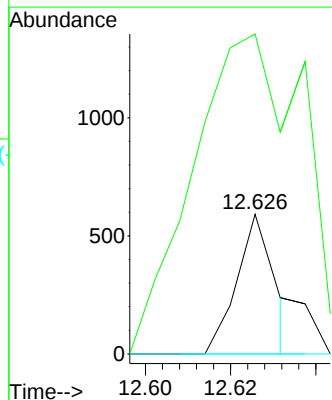
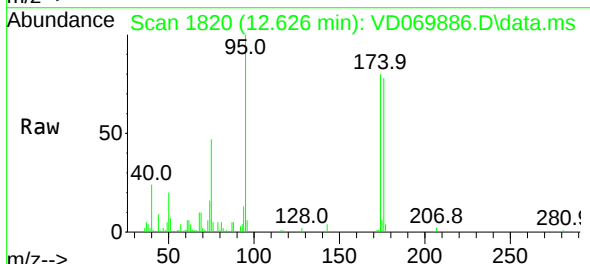
Instrument :
MSVOA_D
ClientSampleId :

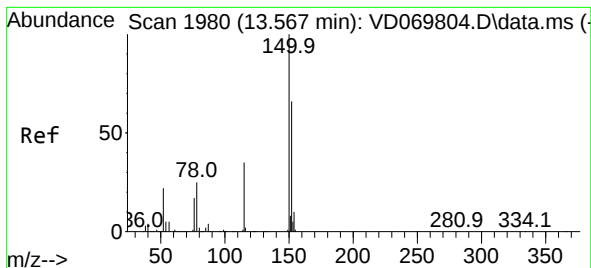
Tgt Ion:117 Resp: 93522
Ion Ratio Lower Upper
117 100
82 51.0 46.3 69.5
119 33.4 24.7 37.1



#71
Bromoform
Concen: 1.078 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.270 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

Tgt Ion:173 Resp: 365
Ion Ratio Lower Upper
173 100
175 527.4 24.1 72.3#
254 0.0 0.1 0.1#

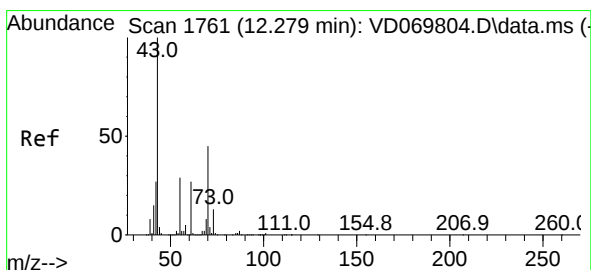
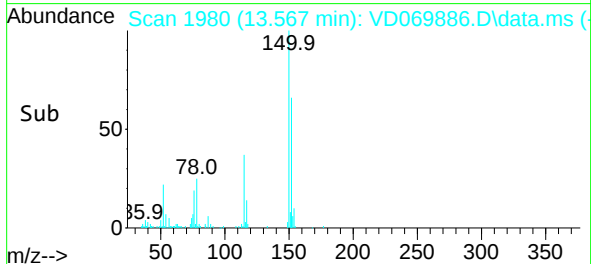
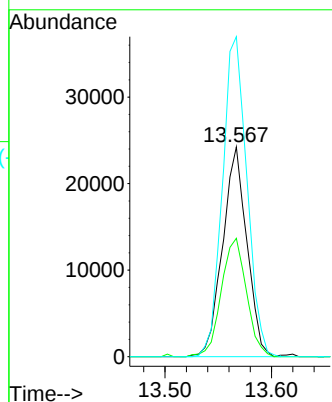
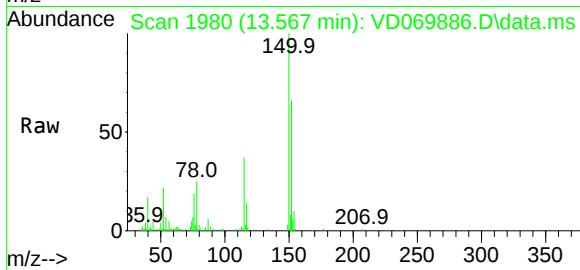




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

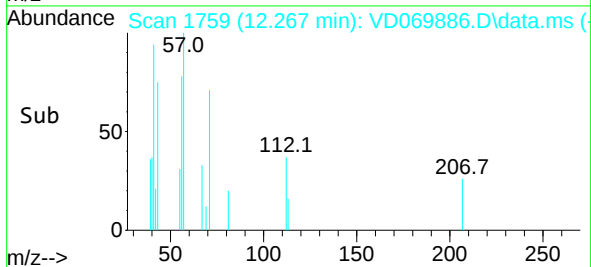
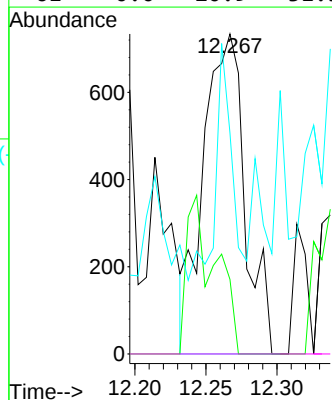
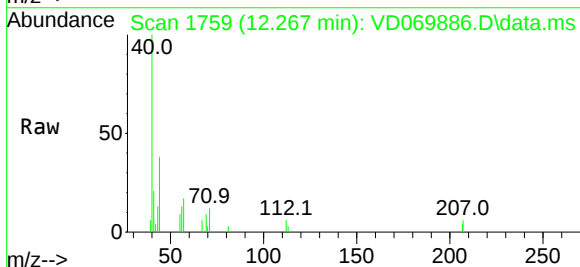
Instrument :
MSVOA_D
ClientSampled :

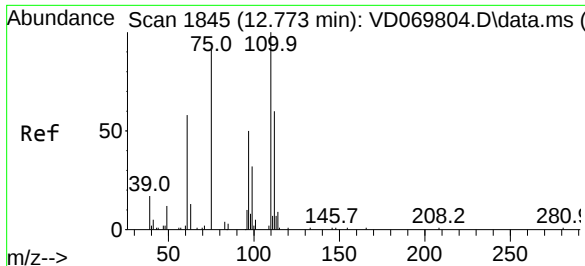
Tgt Ion:152 Resp: 38369
Ion Ratio Lower Upper
152 100
115 58.5 31.1 93.3
150 153.8 0.0 343.0



#74
N-ethyl acetate
Concen: 2.628 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.012 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

Tgt Ion: 43 Resp: 1490
Ion Ratio Lower Upper
43 100
70 0.0 37.9 56.9#
55 28.9 23.7 35.5
61 0.0 20.9 31.3#

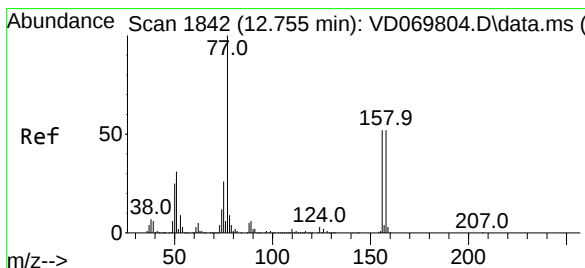
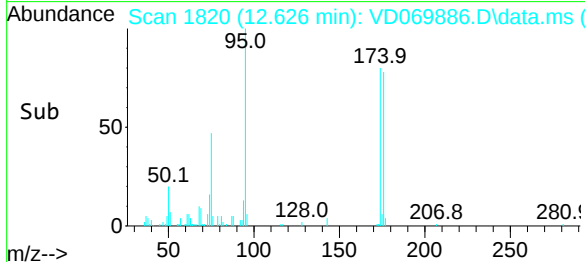
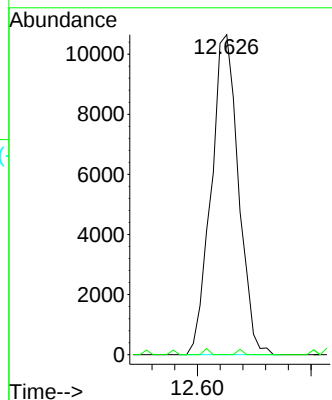
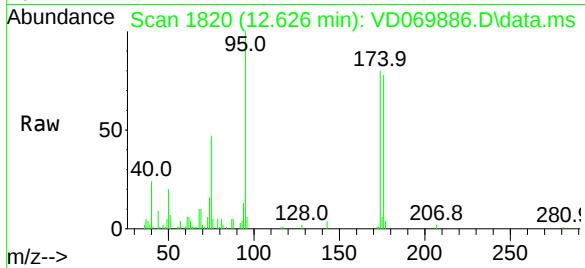




#76
1,2,3-Trichloropropane
Concen: 43.618 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

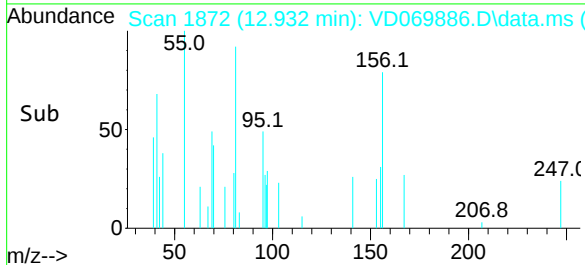
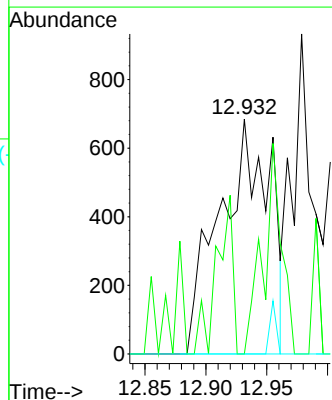
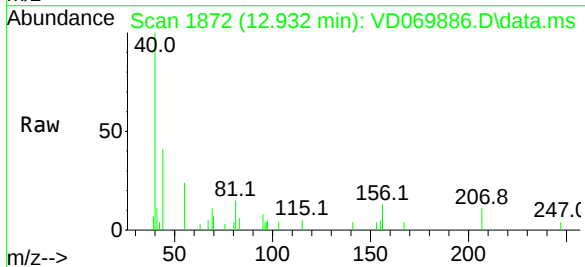
Instrument :
MSVOA_D
ClientSampled :

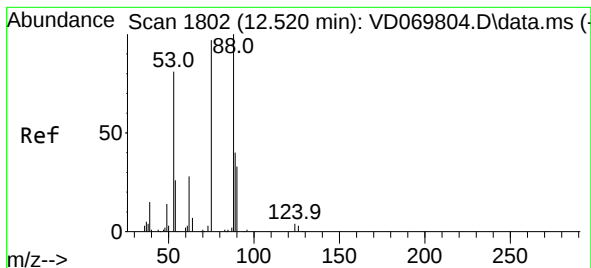
Tgt Ion: 75 Resp: 17789
Ion Ratio Lower Upper
75 100
77 0.4 181.5 544.5#



#77
Bromobenzene
Concen: 3.145 ug/l
RT: 12.932 min Scan# 1872
Delta R.T. 0.176 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

Tgt Ion: 156 Resp: 1953
Ion Ratio Lower Upper
156 100
77 21.8 107.1 321.3#
158 0.0 48.1 144.3#

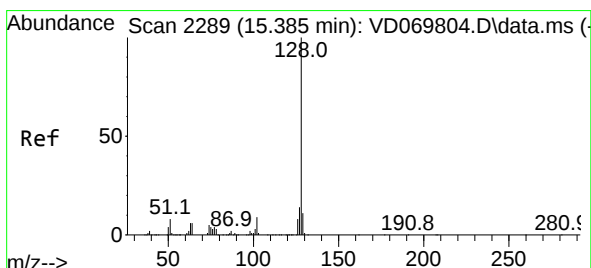
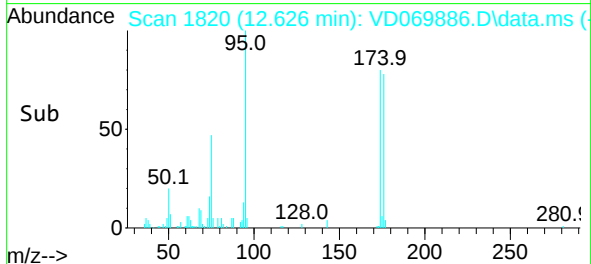
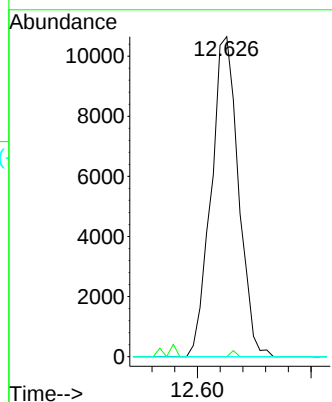
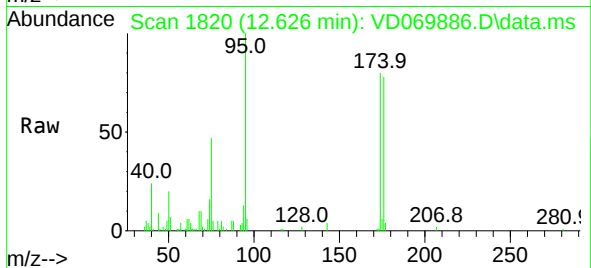




#81
trans-1,4-Dichloro-2-butene
Concen: 132.326 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 17789
Ion Ratio Lower Upper
75 100
53 0.4 67.2 100.8#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 5.898 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD069886.D
Acq: 28 Jul 2021 14:00

Tgt Ion: 128 Resp: 1253
Ion Ratio Lower Upper
128 100
127 12.1 10.6 16.0
129 5.0 8.6 12.8#

