

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072821\
 Data File : VD069885.D
 Acq On : 28 Jul 2021 13:31
 Operator : VA/SY
 Sample : M3204-03
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 29 03:59:14 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)

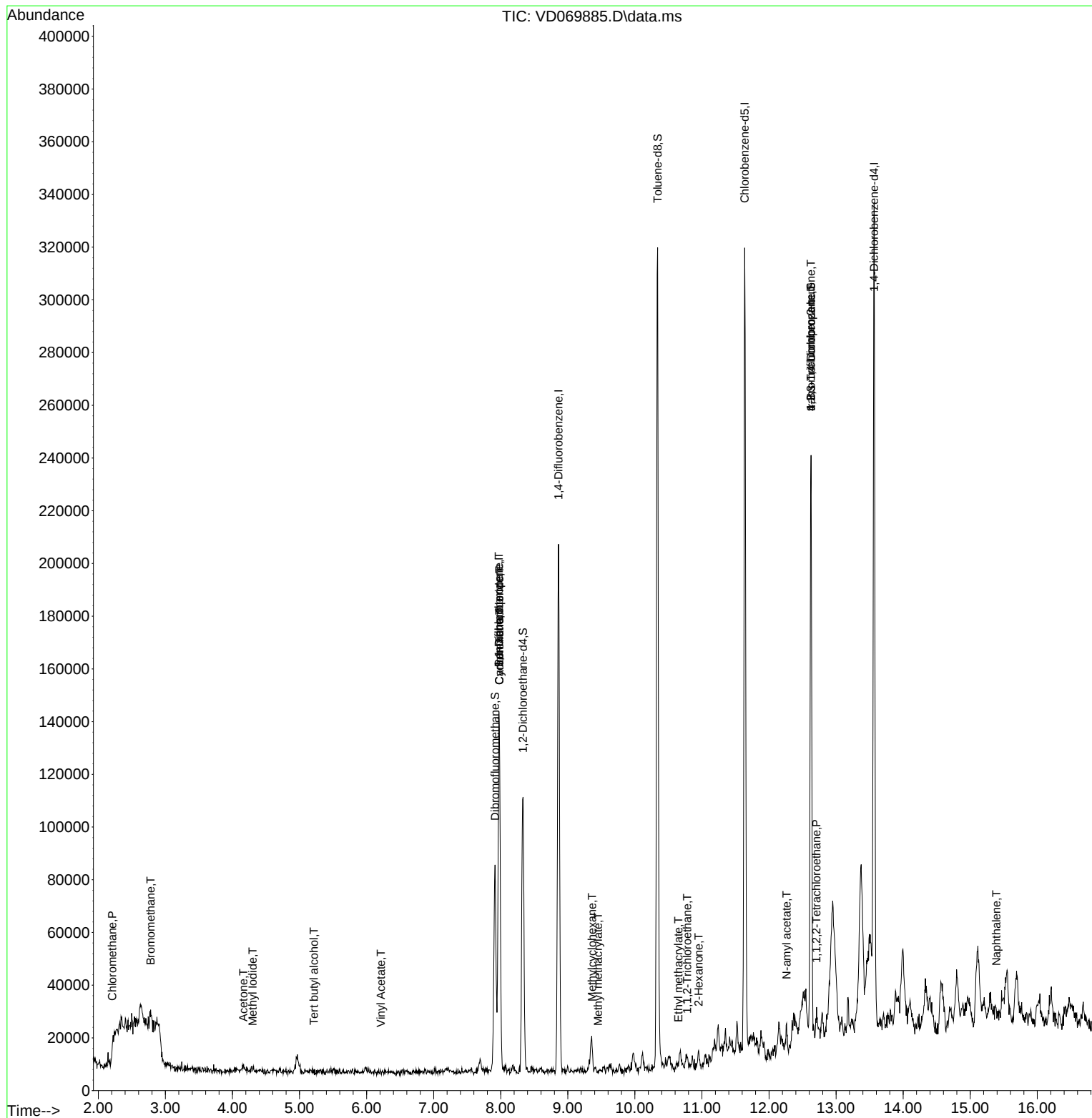
Internal Standards						
1) Pentafluorobenzene	7.973	168	95194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	171699	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	177174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	86125	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	87770	80.169	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 160.340%	
35) Dibromofluoromethane	7.914	113	55509	51.284	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.560%	
50) Toluene-d8	10.338	98	211913	50.774	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.540%	
62) 4-Bromofluorobenzene	12.626	95	77869	55.826	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 111.660%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	1809	1.245	ug/l #	55
5) Bromomethane	2.779	94	4401	3.086	ug/l	92
10) Methyl Iodide	4.303	142	2317	5.285	ug/l	96
11) Tert butyl alcohol	5.215	59	145	2.560	ug/l #	73
16) Acetone	4.162	43	3644	18.425	ug/l	98
20) Methylene Chloride	4.968	84	4753	Below Cal		92
23) Vinyl Acetate	6.215	43	175	20.433	ug/l #	71
31) Cyclohexane	7.979	56	3676	1.718	ug/l #	18
36) 1,1-Dichloropropene	7.973	75	8859	4.781	ug/l #	52
38) Carbon Tetrachloride	7.979	117	10628	6.279	ug/l #	16
39) Methylcyclohexane	9.361	83	4142	1.952	ug/l #	83
48) Methyl methacrylate	9.450	41	158	2.979	ug/l #	13
55) 1,1,2-Trichloroethane	10.779	97	1824	1.863	ug/l #	23
56) Ethyl methacrylate	10.650	69	386	4.190	ug/l #	59
59) 2-Hexanone	10.950	43	2386	5.730	ug/l #	21
74) N-amyl acetate	12.261	43	2428	1.908	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.708	83	1528	1.236	ug/l #	44
76) 1,2,3-Trichloropropane	12.626	75	41424	45.250	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	41424	137.277	ug/l #	17
95) Naphthalene	15.390	128	2404	5.767	ug/l #	93

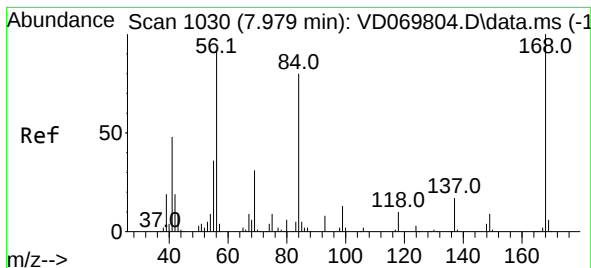
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD069885.D

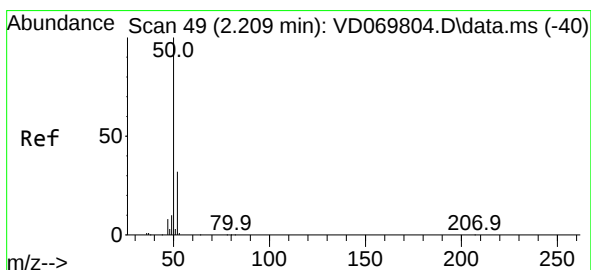
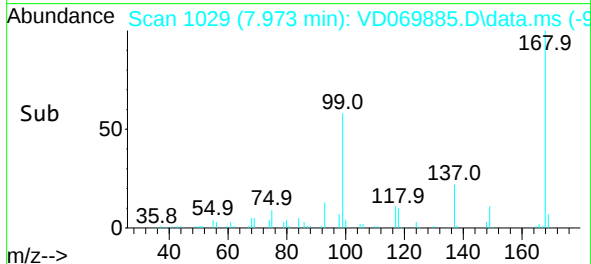
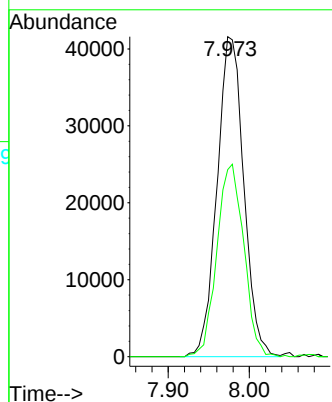
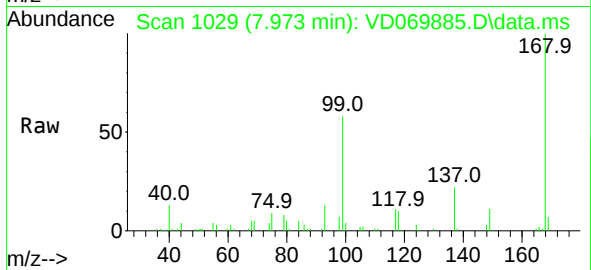
Acq: 28 Jul 2021 13:31

Tgt Ion:168 Resp: 95194

Ion Ratio Lower Upper

168 100

99 58.4 51.1 76.7



#3

Chloromethane

Concen: 1.245 ug/l

RT: 2.209 min Scan# 49

Delta R.T. -0.000 min

Lab File: VD069885.D

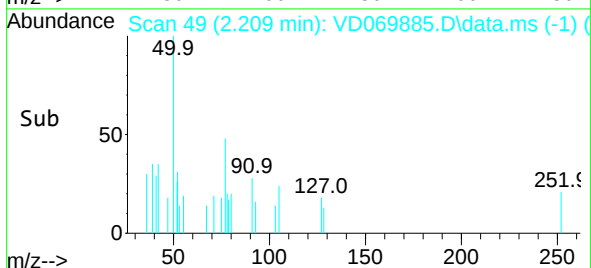
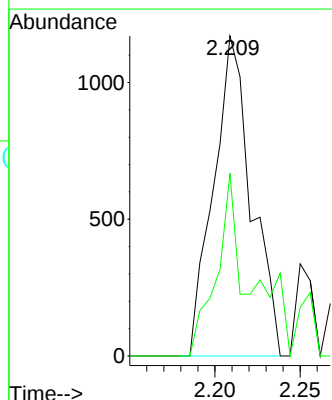
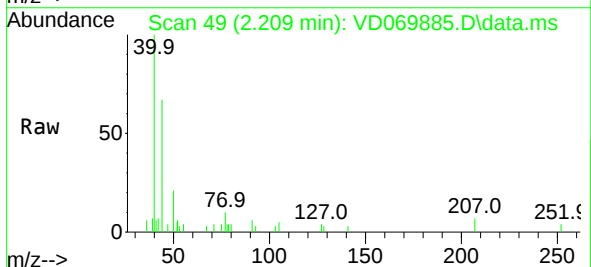
Acq: 28 Jul 2021 13:31

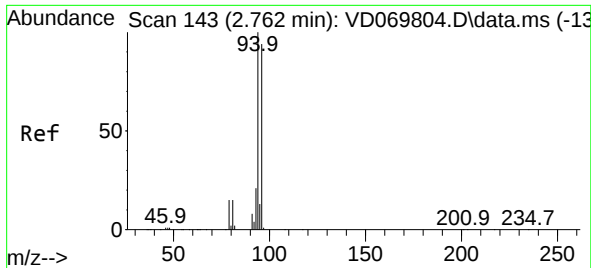
Tgt Ion: 50 Resp: 1809

Ion Ratio Lower Upper

50 100

52 57.1 25.7 38.5#

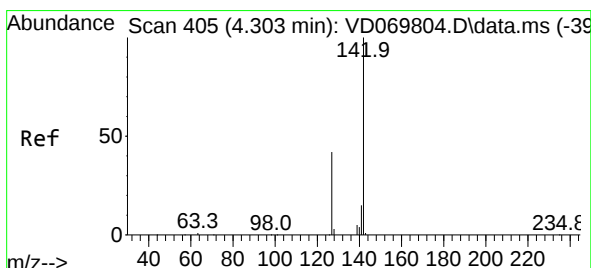
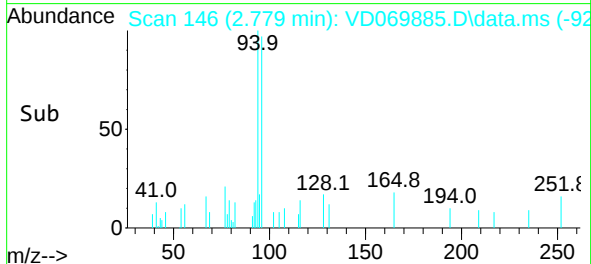
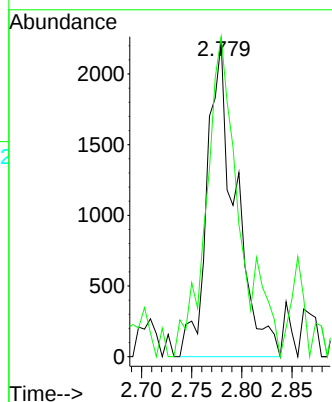
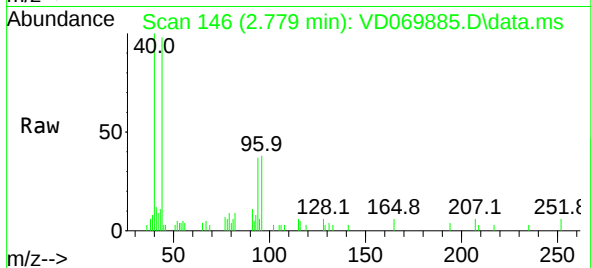




#5
Bromomethane
Concen: 3.086 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069885.D
Acq: 28 Jul 2021 13:31

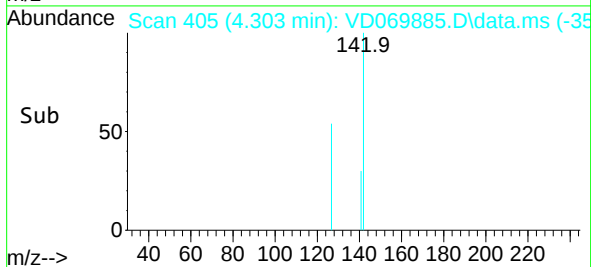
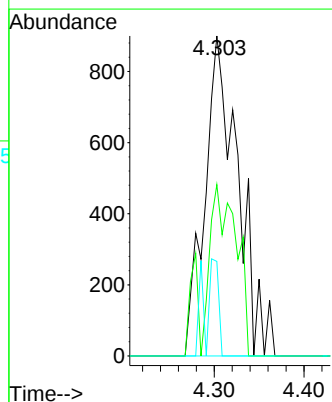
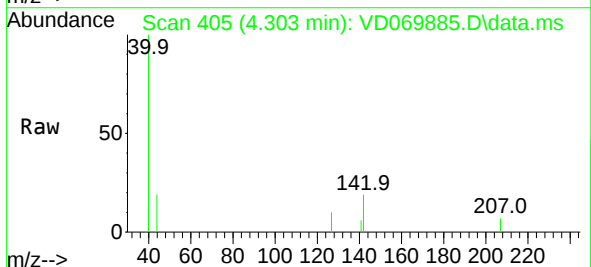
Instrument :
MSVOA_D
ClientSampled :

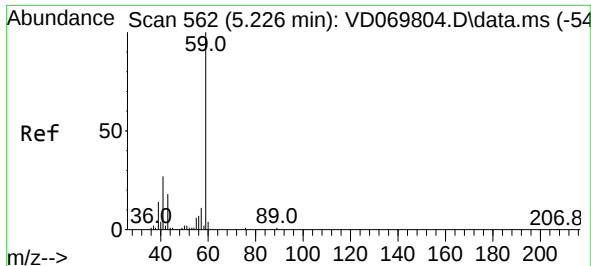
Tgt Ion: 94 Resp: 4401
Ion Ratio Lower Upper
94 100
96 101.3 74.8 112.2



#10
Methyl Iodide
Concen: 5.285 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD069885.D
Acq: 28 Jul 2021 13:31

Tgt Ion: 142 Resp: 2317
Ion Ratio Lower Upper
142 100
127 42.6 35.7 53.5
141 12.3 12.0 18.0



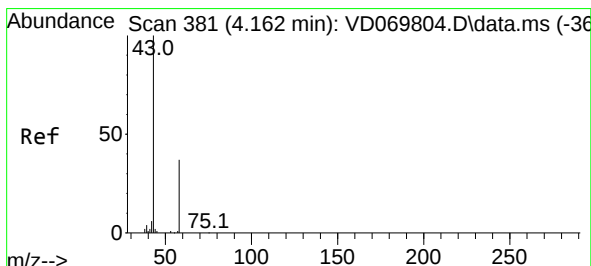
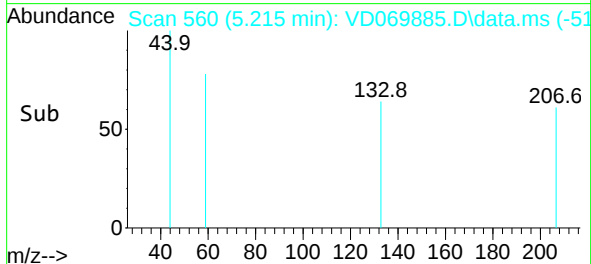
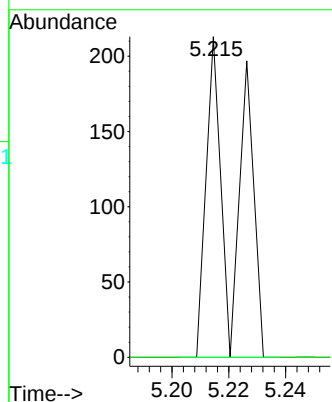
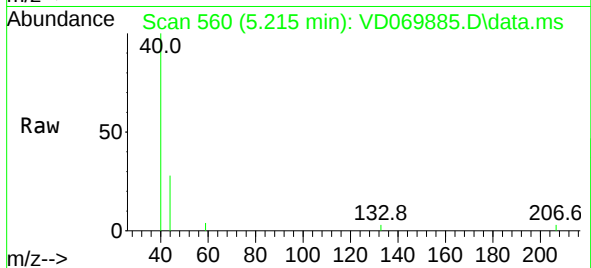


#11

Tert butyl alcohol
Concen: 2.560 ug/l
RT: 5.215 min Scan# 560
Delta R.T. -0.012 min
Lab File: VD069885.D
Acq: 28 Jul 2021 13:31

Instrument :
MSVOA_D
ClientSampled :

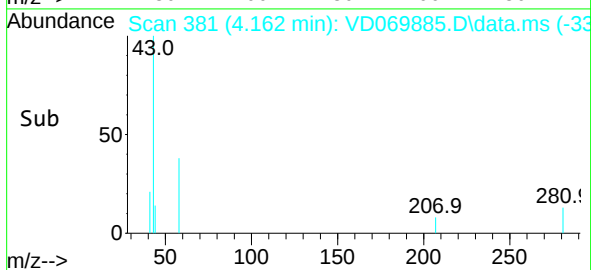
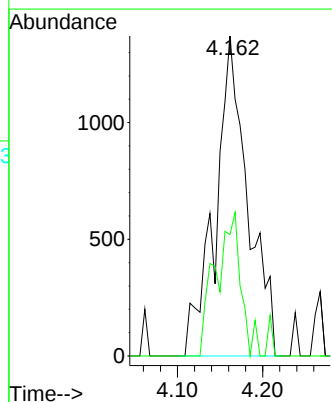
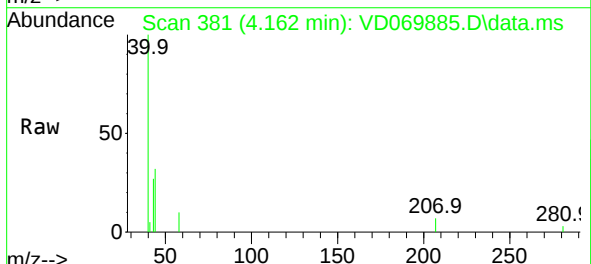
Tgt Ion: 59 Resp: 145
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

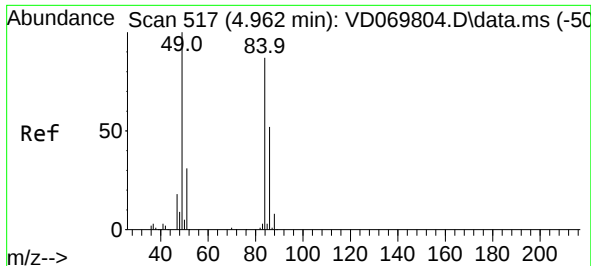


#16

Acetone
Concen: 18.425 ug/l
RT: 4.162 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069885.D
Acq: 28 Jul 2021 13:31

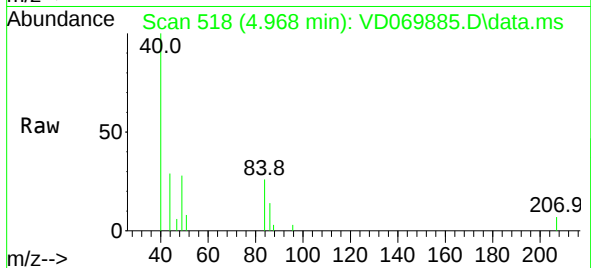
Tgt Ion: 43 Resp: 3644
Ion Ratio Lower Upper
43 100
58 37.9 29.4 44.0



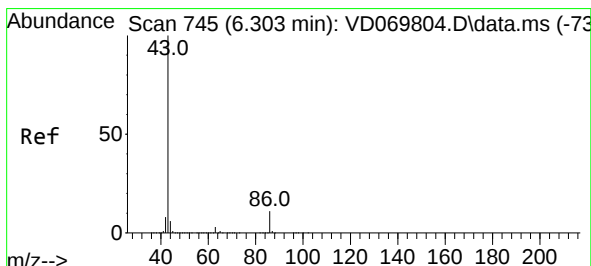
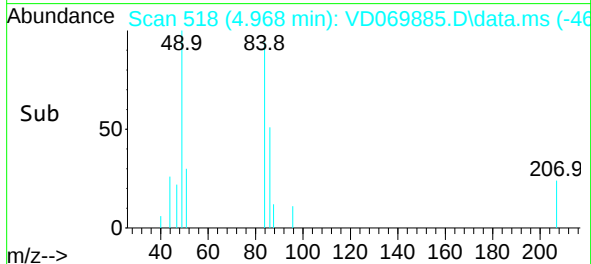
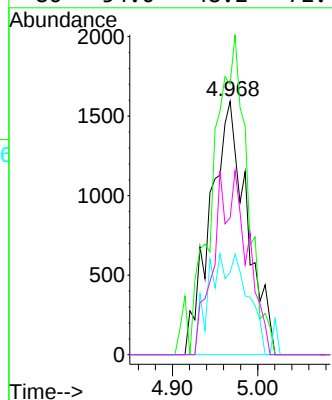


#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD069885.D
Acq: 28 Jul 2021 13:31

Instrument :
MSVOA_D
ClientSampled :

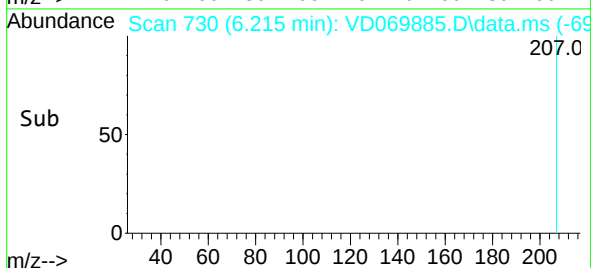
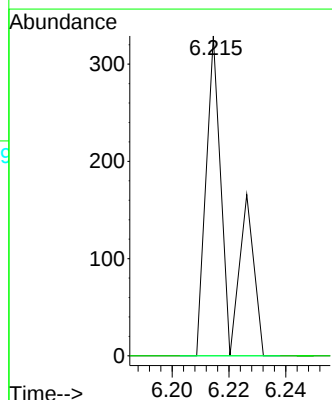
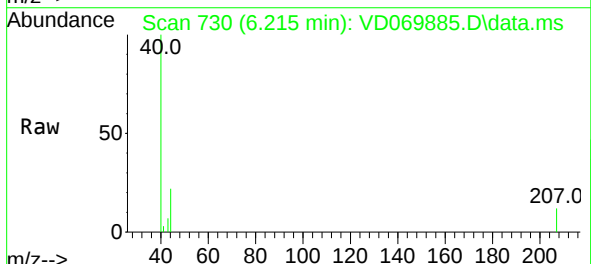


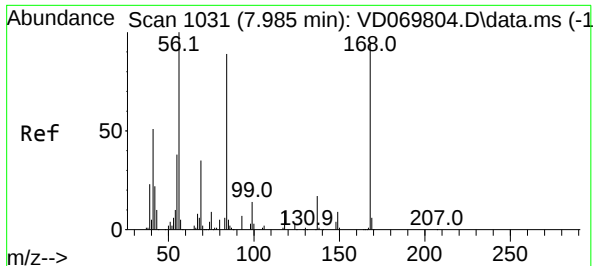
Tgt Ion:	84	Resp:	4753
Ion	Ratio	Lower	Upper
84	100		
49	106.8	92.4	138.6
51	32.5	28.5	42.7
86	54.0	48.2	72.4



#23
Vinyl Acetate
Concen: 20.433 ug/l
RT: 6.215 min Scan# 730
Delta R.T. -0.088 min
Lab File: VD069885.D
Acq: 28 Jul 2021 13:31

Tgt Ion:	43	Resp:	175
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#

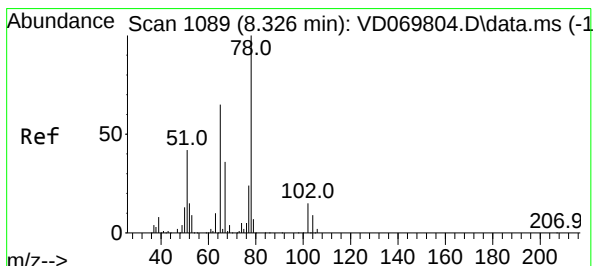
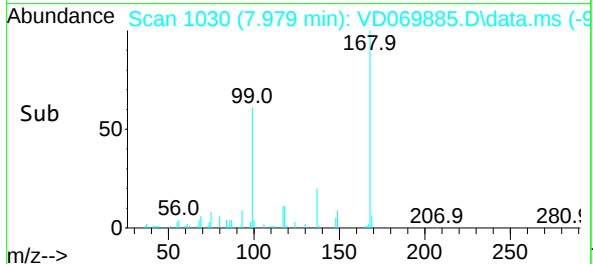
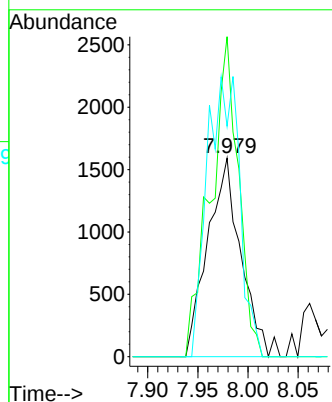
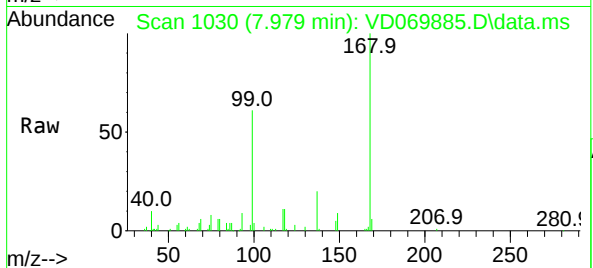




#31
Cyclohexane
Concen: 1.718 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069885.D
Acq: 28 Jul 2021 13:31

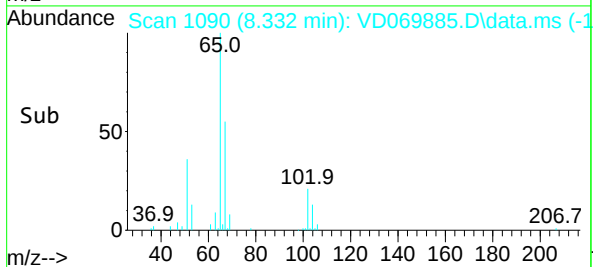
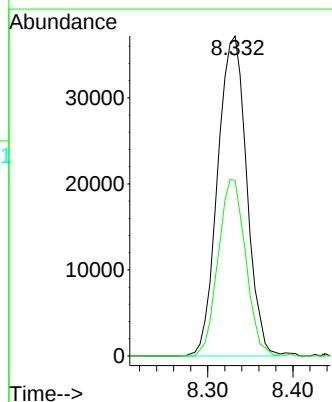
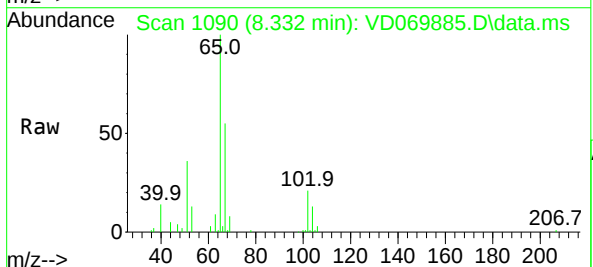
Instrument :
MSVOA_D
ClientSampleId :

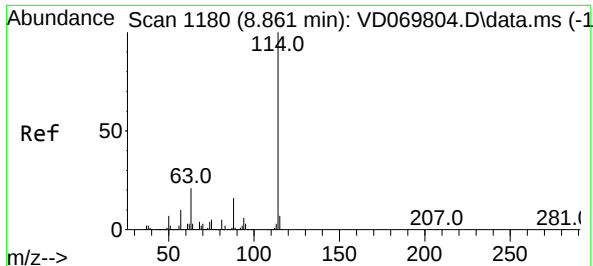
Tgt Ion: 56 Resp: 3676
Ion Ratio Lower Upper
56 100
69 161.2 27.9 41.9#
84 116.1 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 80.169 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069885.D
Acq: 28 Jul 2021 13:31

Tgt Ion: 65 Resp: 87770
Ion Ratio Lower Upper
65 100
67 52.4 0.0 111.2

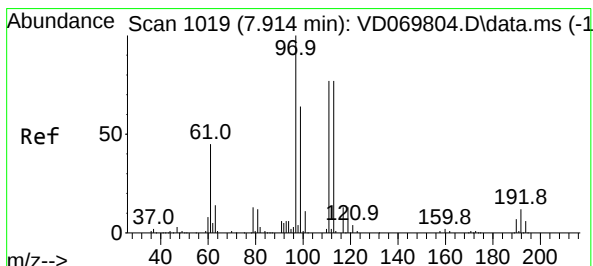
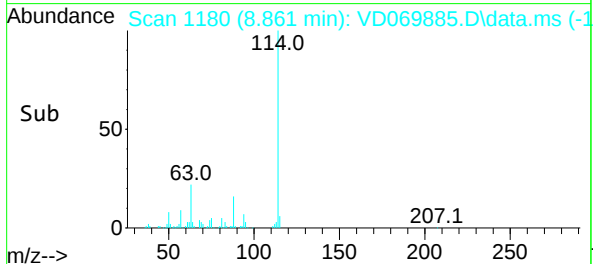
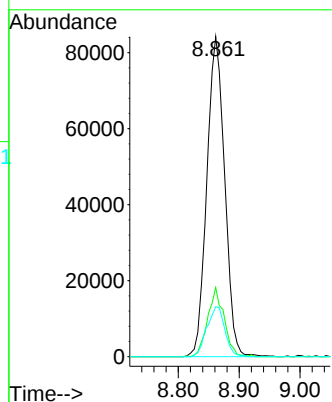
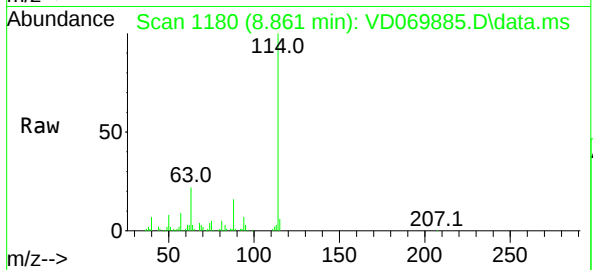




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069885.D
Acq: 28 Jul 2021 13:31

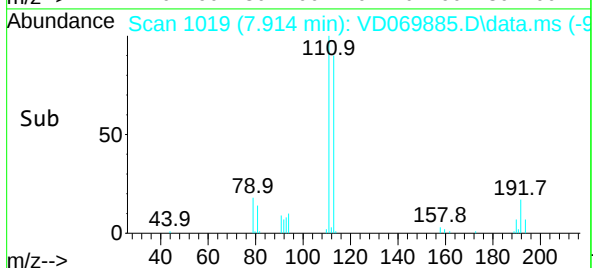
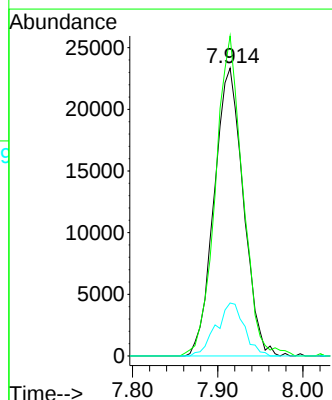
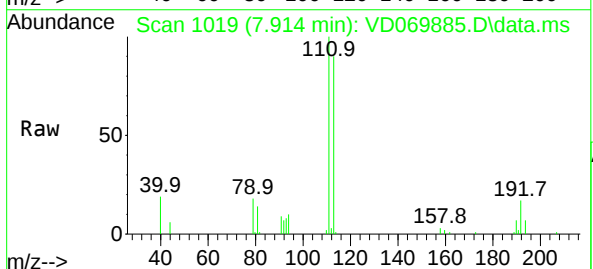
Instrument :
MSVOA_D
ClientSampled :

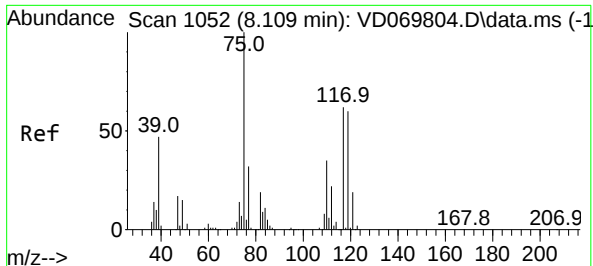
Tgt Ion:	114	Resp:	171699
Ion Ratio	Lower	Upper	
114	100		
63	21.6	0.0	41.6
88	15.6	0.0	31.4



#35
Dibromofluoromethane
Concen: 51.284 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069885.D
Acq: 28 Jul 2021 13:31

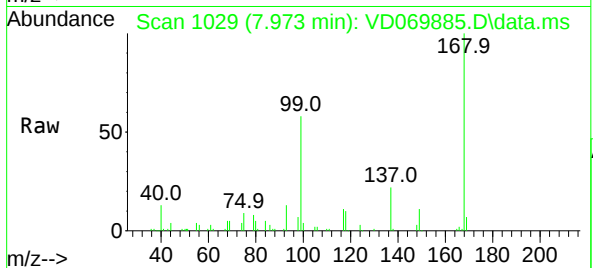
Tgt Ion:	113	Resp:	55509
Ion Ratio	Lower	Upper	
113	100		
111	104.2	80.5	120.7
192	17.7	12.6	19.0



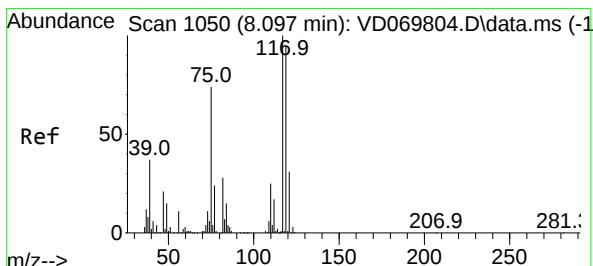
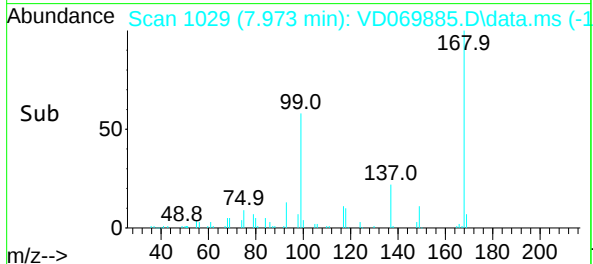
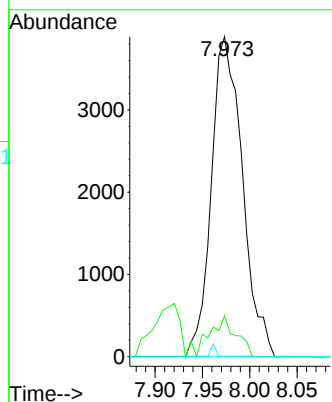


#36
1,1-Dichloropropene
Concen: 4.781 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069885.D
Acq: 28 Jul 2021 13:31

Instrument :
MSVOA_D
ClientSampled :

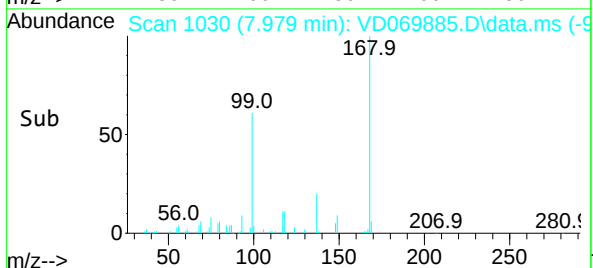
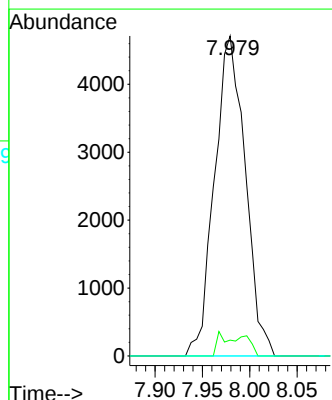
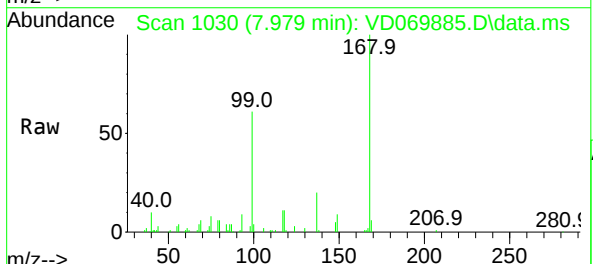


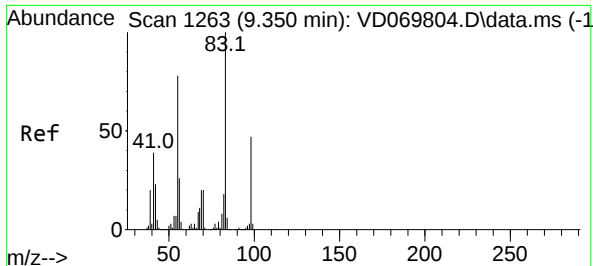
Tgt Ion: 75 Resp: 8859
Ion Ratio Lower Upper
75 100
110 10.6 16.9 50.7#
77 0.6 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 6.279 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069885.D
Acq: 28 Jul 2021 13:31

Tgt Ion: 117 Resp: 10628
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 1.952 ug/l

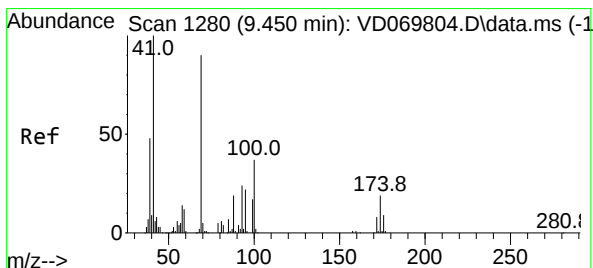
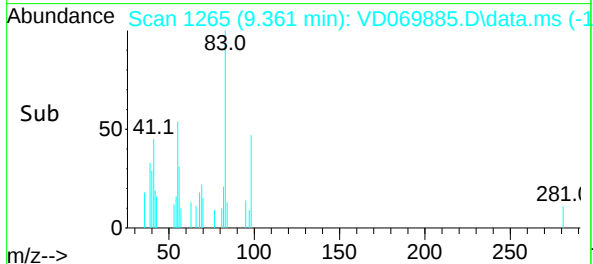
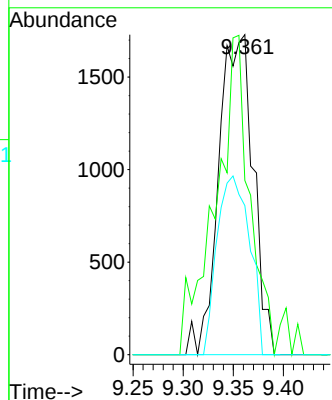
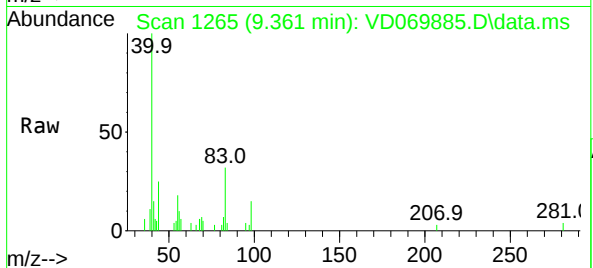
RT: 9.361 min Scan# 1265

Delta R.T. 0.012 min

Lab File: VD069885.D

Acq: 28 Jul 2021 13:31

Tgt Ion: 83	Resp: 4142
Ion Ratio	Lower Upper
83 100	
55 54.4	62.2 93.2#
98 46.6	37.8 56.8



#48

Methyl methacrylate

Concen: 2.979 ug/l

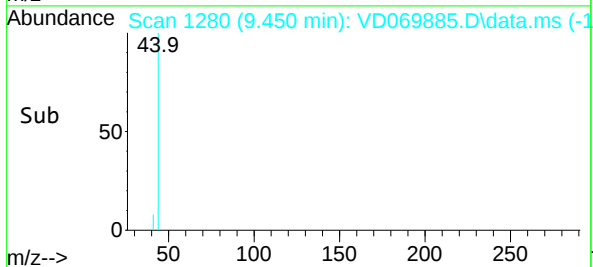
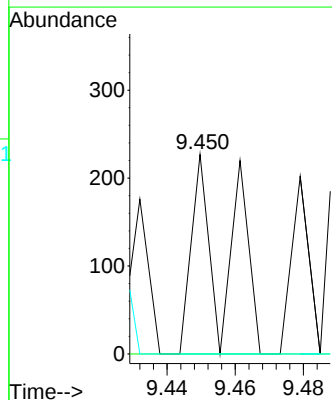
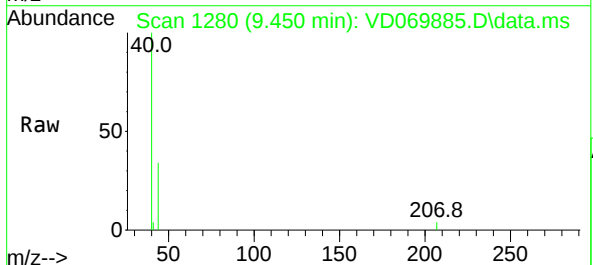
RT: 9.450 min Scan# 1280

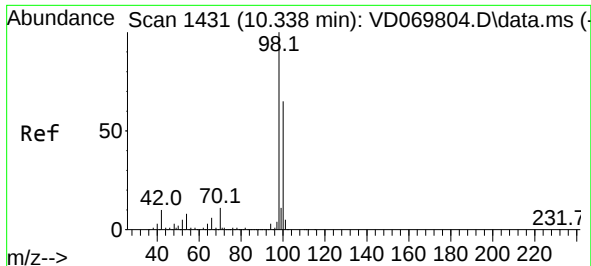
Delta R.T. -0.000 min

Lab File: VD069885.D

Acq: 28 Jul 2021 13:31

Tgt Ion: 41	Resp: 158
Ion Ratio	Lower Upper
41 100	
69 0.0	73.4 110.2#
39 0.0	36.6 55.0#

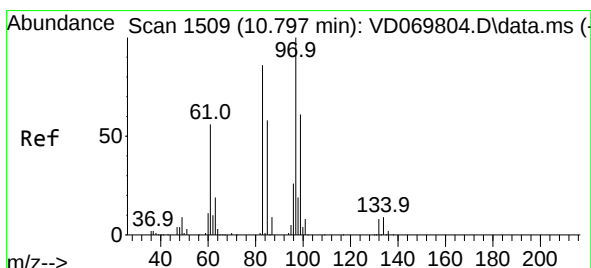
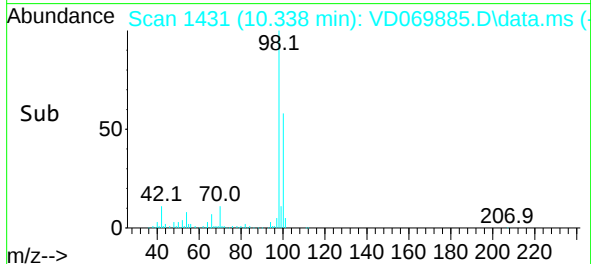
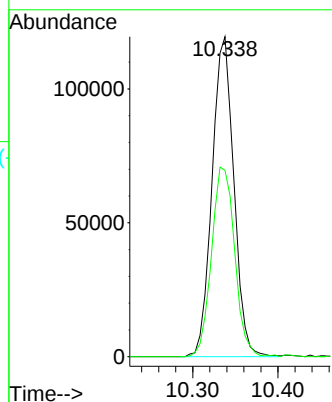
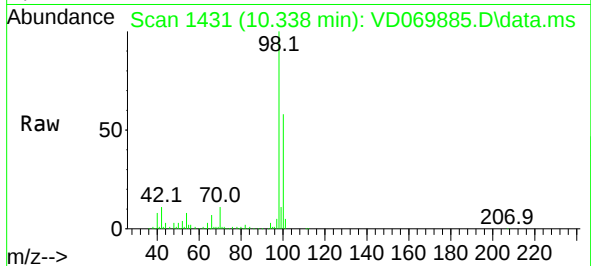




#50
Toluene-d8
Concen: 50.774 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069885.D
Acq: 28 Jul 2021 13:31

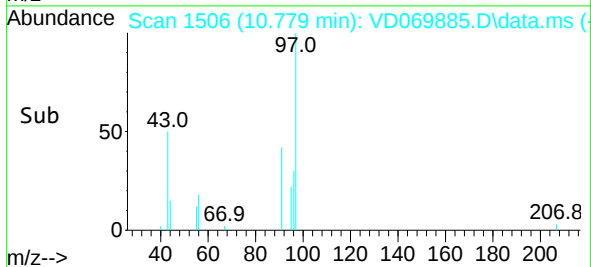
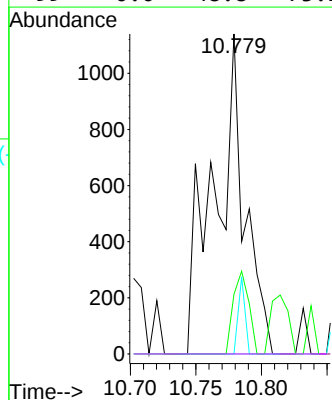
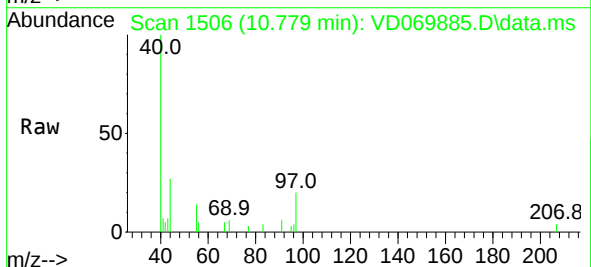
Instrument :
MSVOA_D
ClientSampled :

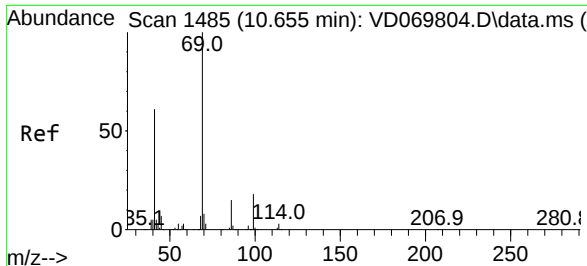
Tgt Ion: 98 Resp: 211913
Ion Ratio Lower Upper
98 100
100 63.1 51.9 77.9



#55
1,1,2-Trichloroethane
Concen: 1.863 ug/l
RT: 10.779 min Scan# 1506
Delta R.T. -0.018 min
Lab File: VD069885.D
Acq: 28 Jul 2021 13:31

Tgt Ion: 97 Resp: 1824
Ion Ratio Lower Upper
97 100
83 18.7 69.1 103.7#
85 0.0 46.2 69.2#
99 0.0 48.8 73.2#

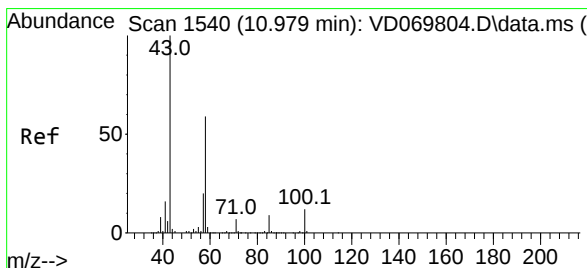
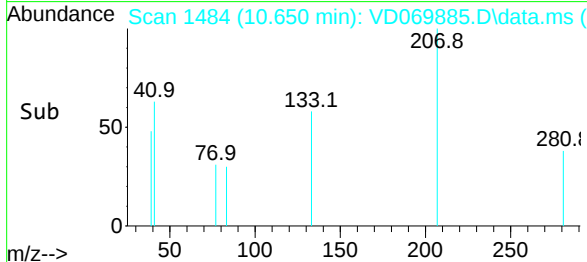
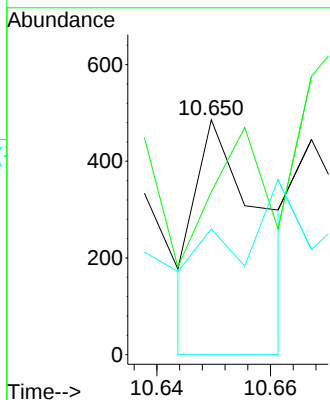
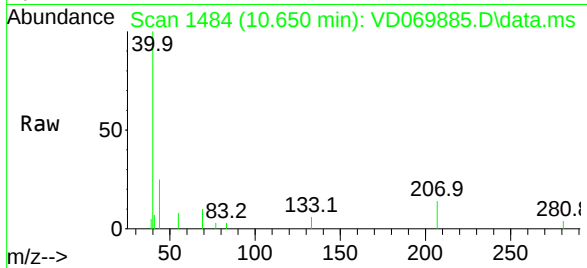




#56
Ethyl methacrylate
Concen: 4.190 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.005 min
Lab File: VD069885.D
Acq: 28 Jul 2021 13:31

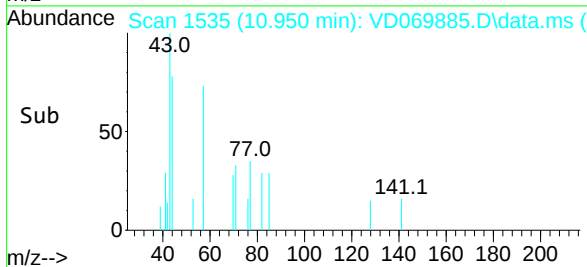
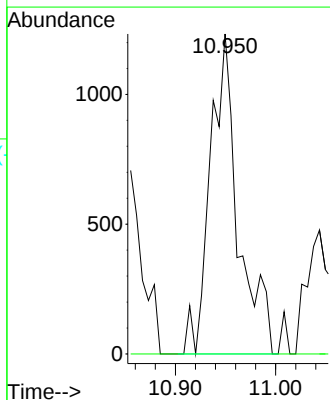
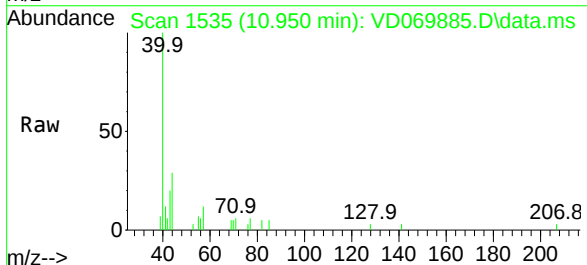
Instrument :
MSVOA_D
ClientSampled :

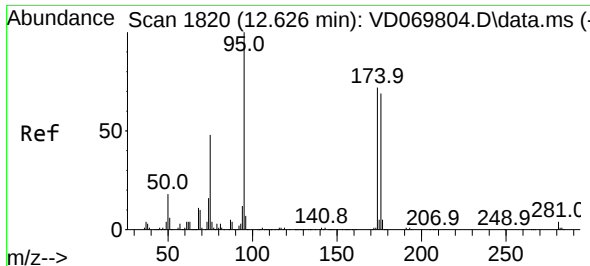
Tgt Ion: 69 Resp: 386
Ion Ratio Lower Upper
69 100
41 90.9 50.2 75.2#
39 0.0 22.0 33.0#



#59
2-Hexanone
Concen: 5.730 ug/l
RT: 10.950 min Scan# 1535
Delta R.T. -0.029 min
Lab File: VD069885.D
Acq: 28 Jul 2021 13:31

Tgt Ion: 43 Resp: 2386
Ion Ratio Lower Upper
43 100
58 0.0 29.4 88.3#

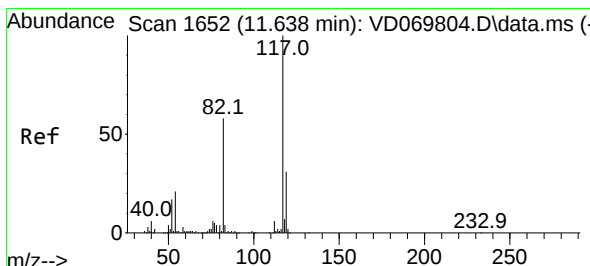
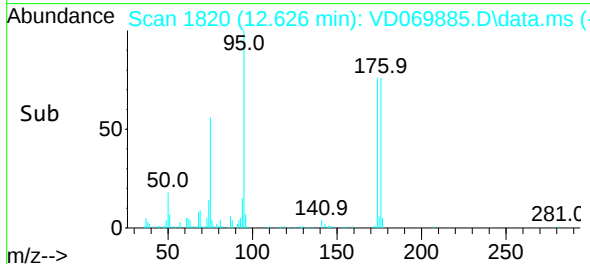
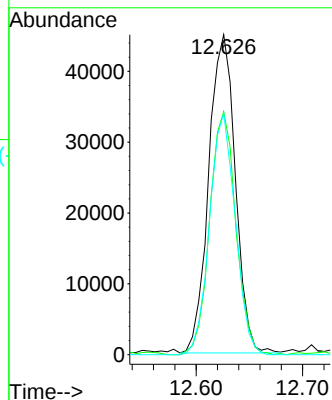
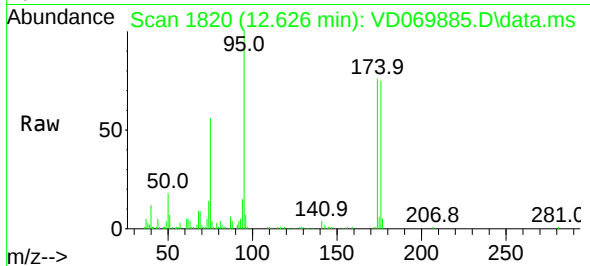




#62
4-Bromofluorobenzene
Concen: 55.826 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069885.D
Acq: 28 Jul 2021 13:31

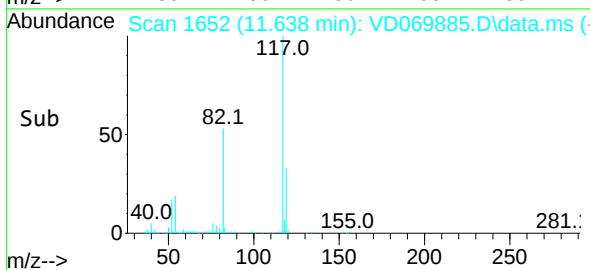
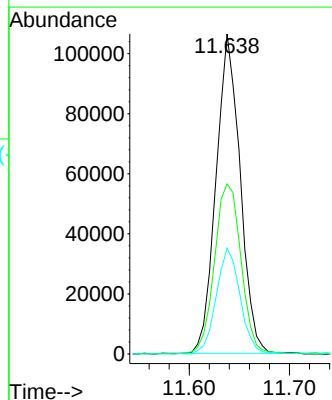
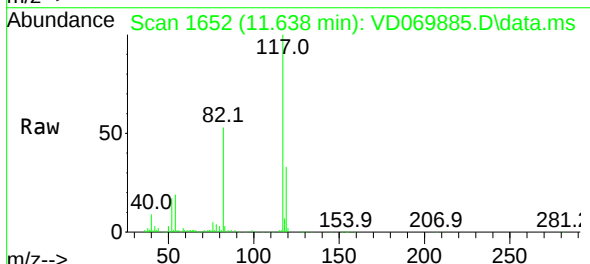
Instrument :
MSVOA_D
ClientSampleId :

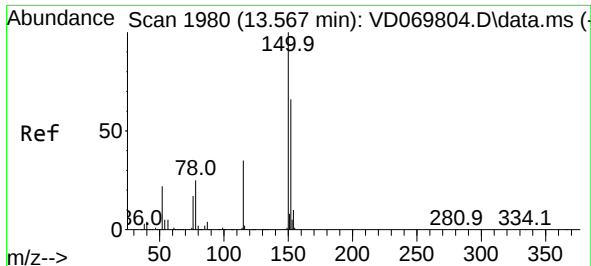
Tgt Ion:	95	Resp:	77869
Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	142.6
176	73.3	0.0	134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069885.D
Acq: 28 Jul 2021 13:31

Tgt Ion:	117	Resp:	177174
Ion	Ratio	Lower	Upper
117	100		
82	53.1	46.3	69.5
119	32.9	24.7	37.1

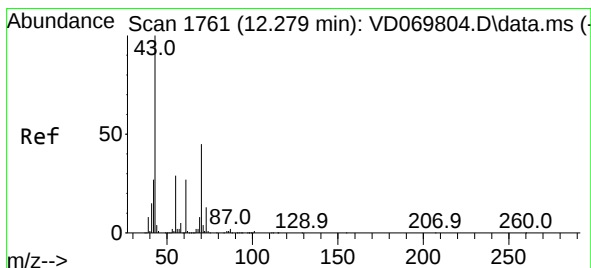
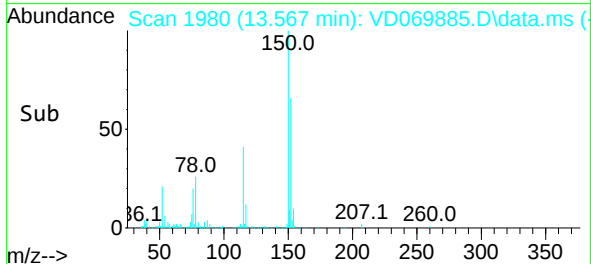
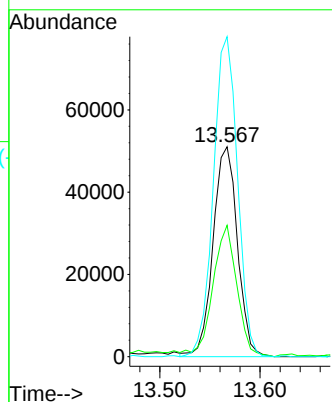
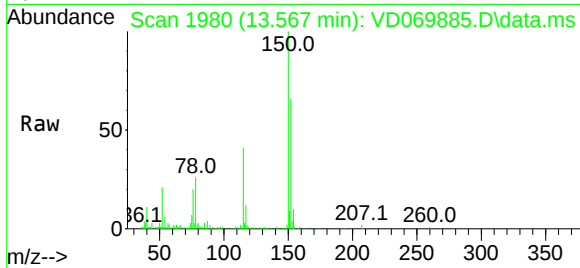




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069885.D
Acq: 28 Jul 2021 13:31

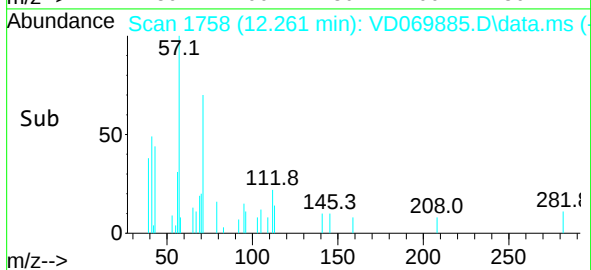
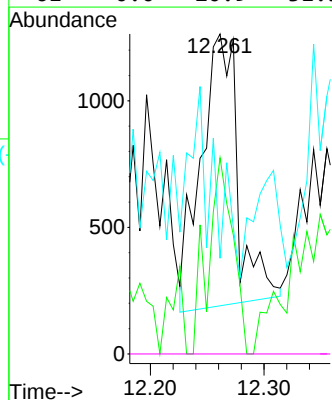
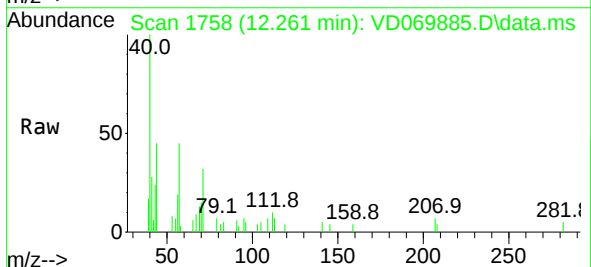
Instrument :
MSVOA_D
ClientSampled :

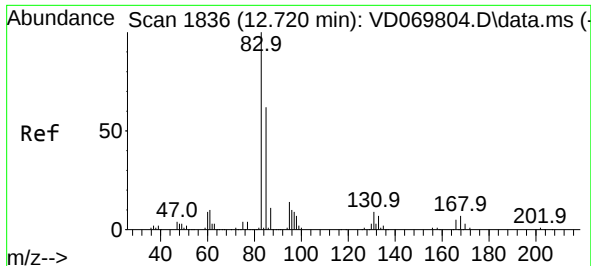
Tgt Ion:152 Resp: 86125
Ion Ratio Lower Upper
152 100
115 61.9 31.1 93.3
150 151.4 0.0 343.0



#74
N-ethyl acetate
Concen: 1.908 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD069885.D
Acq: 28 Jul 2021 13:31

Tgt Ion: 43 Resp: 2428
Ion Ratio Lower Upper
43 100
70 48.6 37.9 56.9
55 45.2 23.7 35.5#
61 0.0 20.9 31.3#

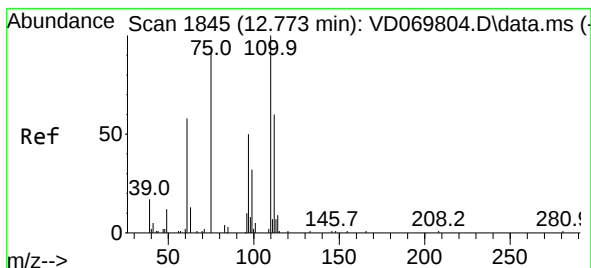
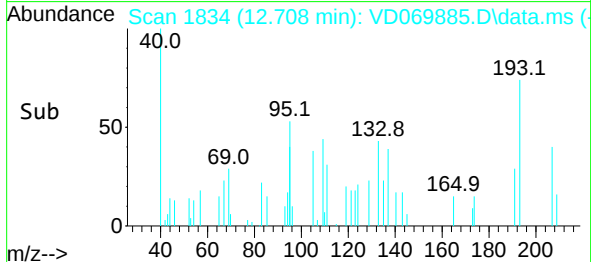
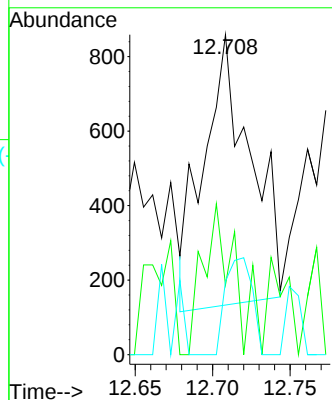
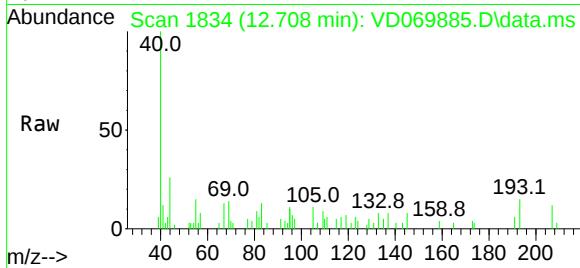




#75
1,1,2,2-Tetrachloroethane
Concen: 1.236 ug/l
RT: 12.708 min Scan# 1834
Delta R.T. -0.012 min
Lab File: VD069885.D
Acq: 28 Jul 2021 13:31

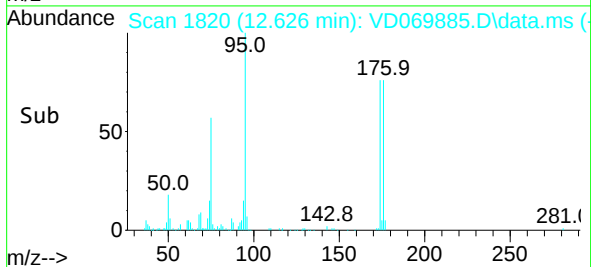
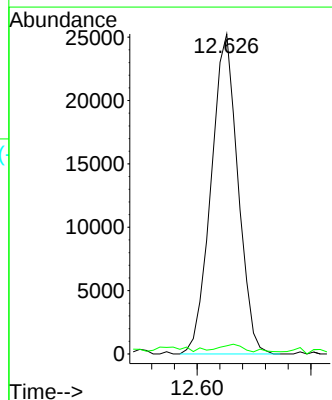
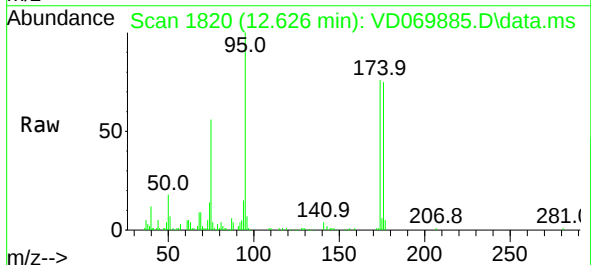
Instrument :
MSVOA_D
ClientSampled :

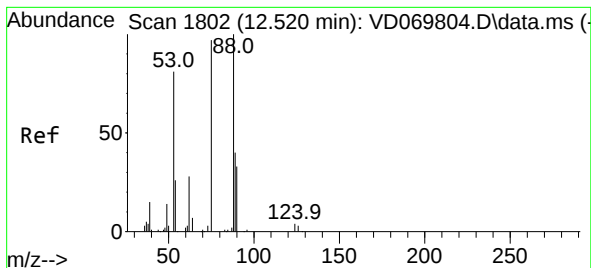
Tgt Ion: 83 Resp: 1528
Ion Ratio Lower Upper
83 100
131 32.5 4.9 14.6#
85 20.4 31.8 95.4#



#76
1,2,3-Trichloropropane
Concen: 45.250 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069885.D
Acq: 28 Jul 2021 13:31

Tgt Ion: 75 Resp: 41424
Ion Ratio Lower Upper
75 100
77 1.9 181.5 544.5#

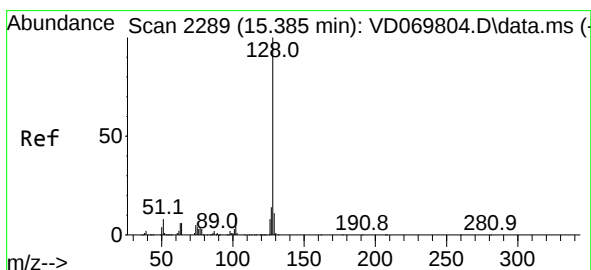
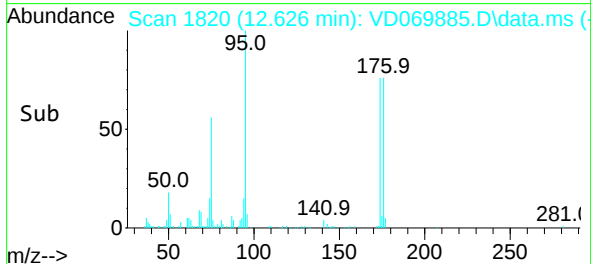
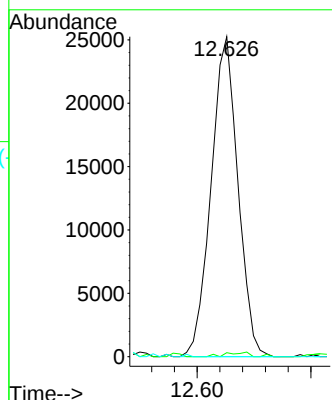
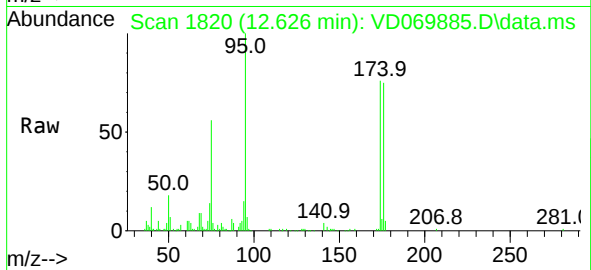




#81
trans-1,4-Dichloro-2-butene
Concen: 137.277 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069885.D
Acq: 28 Jul 2021 13:31

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 41424
Ion Ratio Lower Upper
75 100
53 1.1 67.2 100.8#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 5.767 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD069885.D
Acq: 28 Jul 2021 13:31

Tgt Ion:128 Resp: 2404
Ion Ratio Lower Upper
128 100
127 11.9 10.6 16.0
129 14.9 8.6 12.8#

