

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071921\
 Data File : VD069740.D
 Acq On : 19 Jul 2021 09:31
 Operator : VA/SY
 Sample : VD0719SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 20 02:08:42 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)

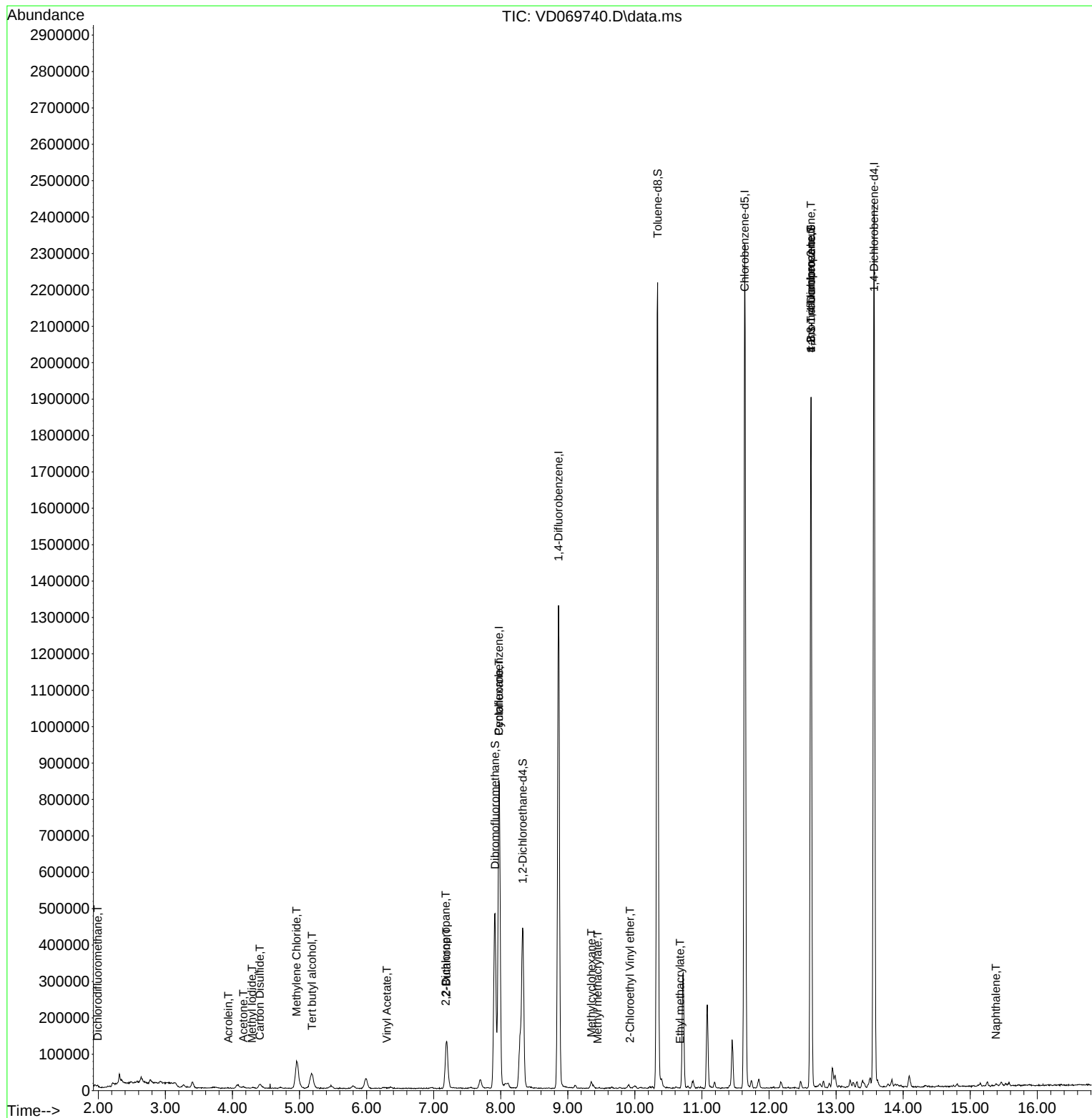
Internal Standards						
1) Pentafluorobenzene	7.973	168	591866	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1131045	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1317812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	618469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	346968	46.950	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.900%
35) Dibromofluoromethane	7.914	113	359305	47.352	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.700%
50) Toluene-d8	10.338	98	1494804	50.707	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.420%
62) 4-Bromofluorobenzene	12.626	95	634360	64.522	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	129.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	3752	1.222	ug/l	91
5) Bromomethane	2.773	94	6552	Below Cal	#	68
10) Methyl Iodide	4.291	142	3857	2.967	ug/l #	81
11) Tert butyl alcohol	5.185	59	38650	39.144	ug/l #	83
13) Acrolein	3.938	56	661	1.297	ug/l #	78
16) Acetone	4.162	43	8152	17.865	ug/l	90
17) Carbon Disulfide	4.409	76	21218	1.359	ug/l #	94
18) Methyl Acetate	4.720	43	674	Below Cal	#	73
20) Methylene Chloride	4.956	84	59628	1.111	ug/l	97
23) Vinyl Acetate	6.303	43	1468	15.543	ug/l #	72
25) 2-Butanone	7.191	43	7454	4.268	ug/l #	88
26) 2,2-Dichloropropane	7.179	77	12722	1.106	ug/l #	55
31) Cyclohexane	7.973	56	20127	1.992	ug/l #	21
39) Methylcyclohexane	9.350	83	5873	2.363	ug/l #	83
48) Methyl methacrylate	9.444	41	420	1.200	ug/l #	71
56) Ethyl methacrylate	10.673	69	637	1.745	ug/l #	26
58) 2-Chloroethyl Vinyl ether	9.926	63	737	9.567	ug/l #	85
76) 1,2,3-Trichloropropane	12.626	75	309833	51.568	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	309833	138.586	ug/l #	14
95) Naphthalene	15.385	128	5583	2.478	ug/l #	93

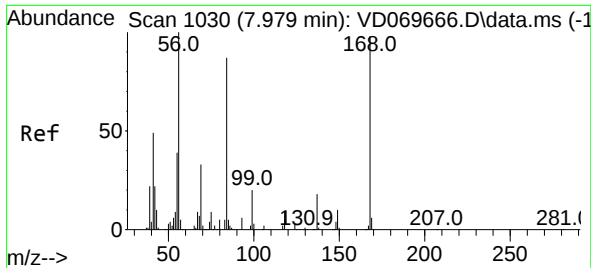
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 19 Jul 2021 09:31
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Sample : VD0719SBL01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampled :

Quant Time: Jul 20 02:08:42 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

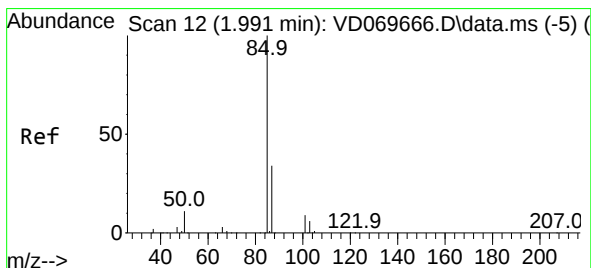
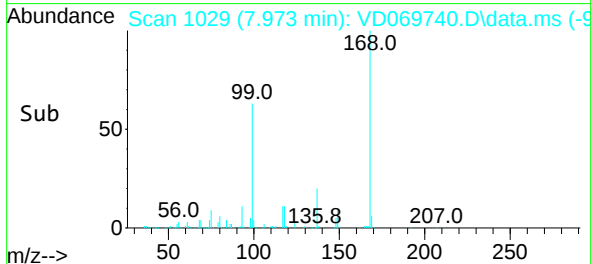
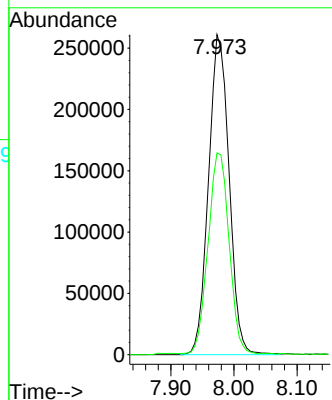
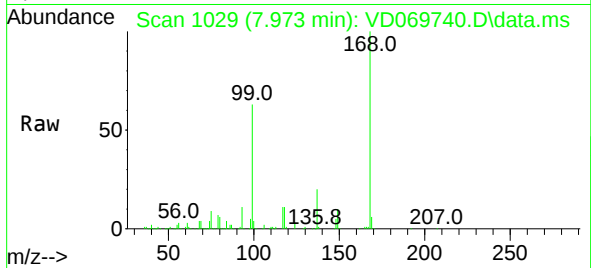




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD069740.D
Acq: 19 Jul 2021 09:31

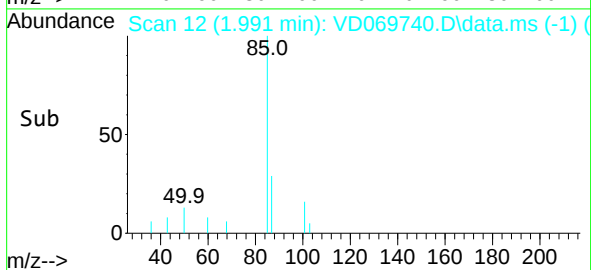
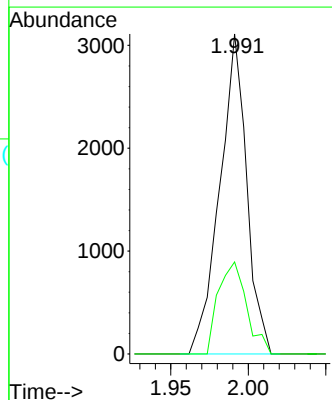
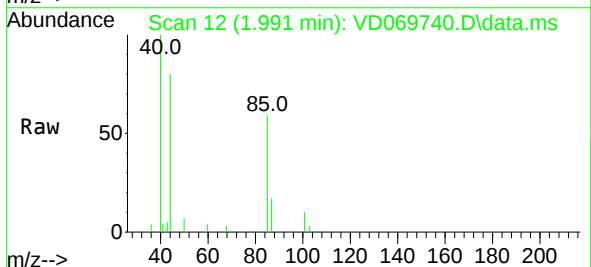
Instrument :
MSVOA_D
ClientSampled :

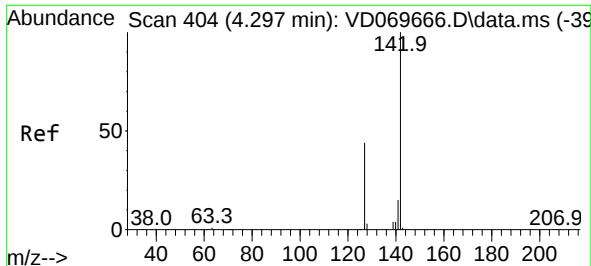
Tgt Ion:168 Resp: 591866
Ion Ratio Lower Upper
168 100
99 62.7 51.8 77.6



#2
Dichlorodifluoromethane
Concen: 1.222 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD069740.D
Acq: 19 Jul 2021 09:31

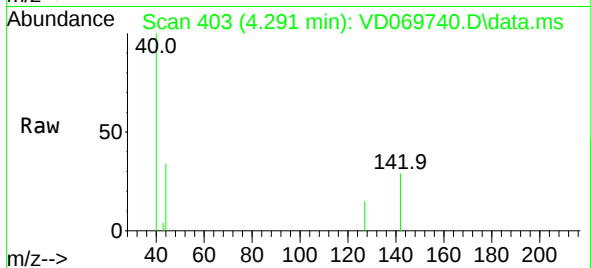
Tgt Ion: 85 Resp: 3752
Ion Ratio Lower Upper
85 100
87 28.8 17.0 51.0



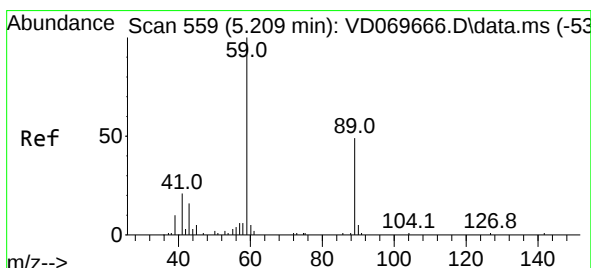
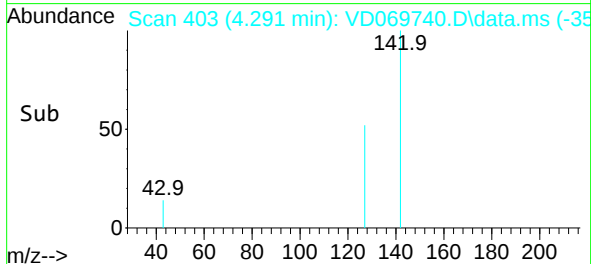
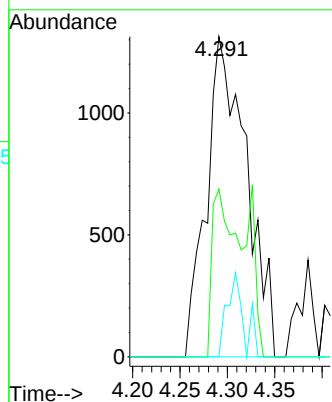


#10
Methyl Iodide
Concen: 2.967 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD069740.D
Acq: 19 Jul 2021 09:31

Instrument :
MSVOA_D
ClientSampled :

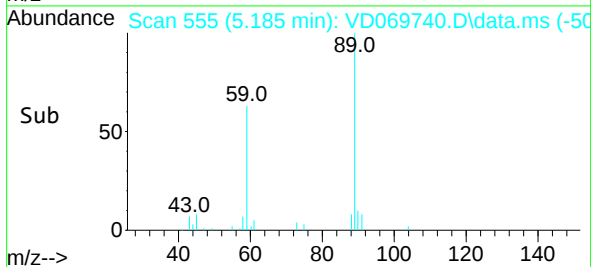
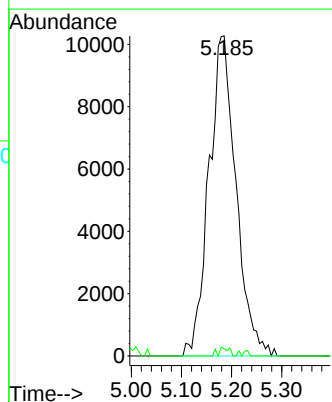
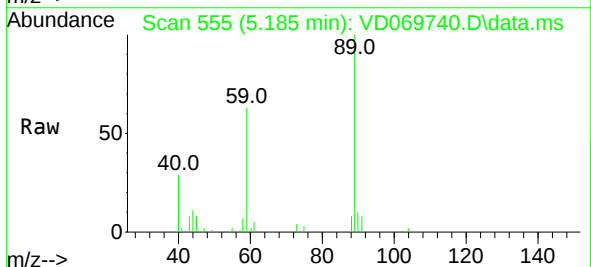


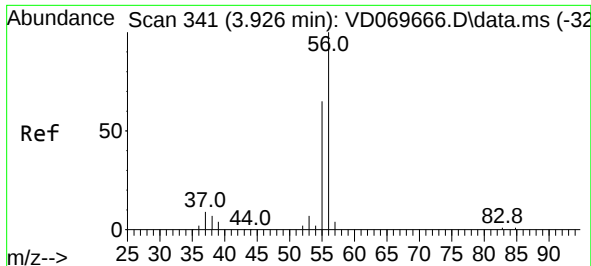
Tgt Ion:142 Resp: 3857
Ion Ratio Lower Upper
142 100
127 30.3 36.1 54.1#
141 10.9 11.6 17.4#



#11
Tert butyl alcohol
Concen: 39.144 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.024 min
Lab File: VD069740.D
Acq: 19 Jul 2021 09:31

Tgt Ion: 59 Resp: 38650
Ion Ratio Lower Upper
59 100
57 1.1 5.7 8.5#

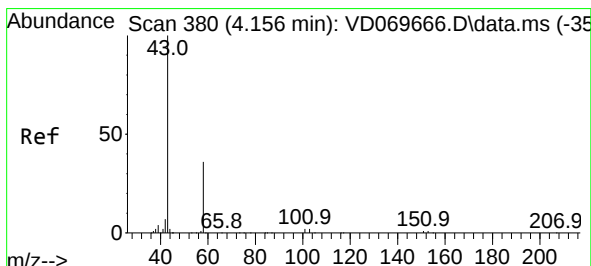
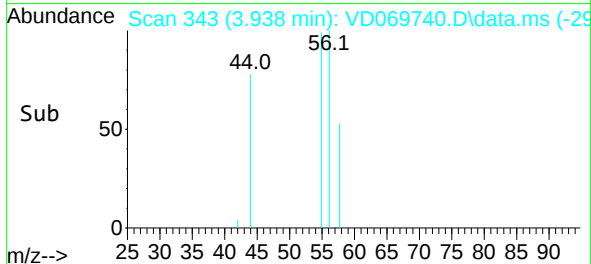
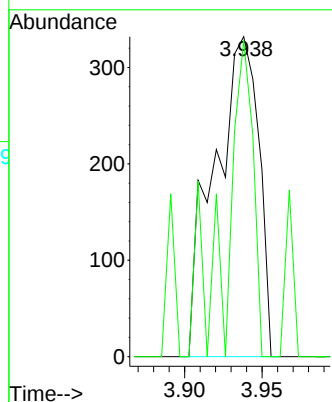
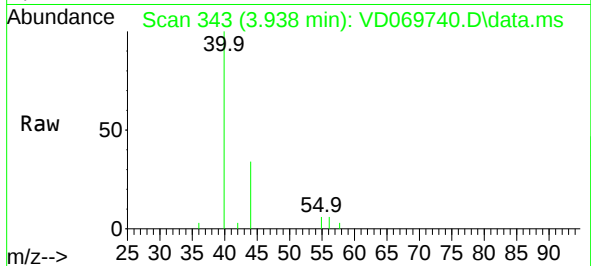




#13
Acrolein
Concen: 1.297 ug/l
RT: 3.938 min Scan# 343
Delta R.T. 0.012 min
Lab File: VD069740.D
Acq: 19 Jul 2021 09:31

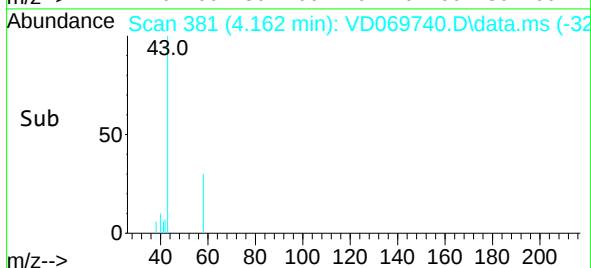
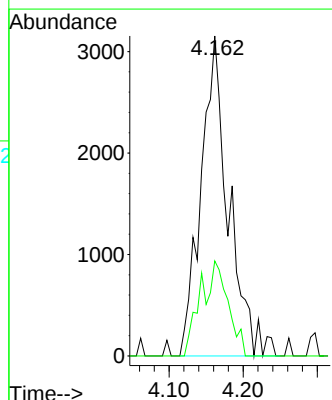
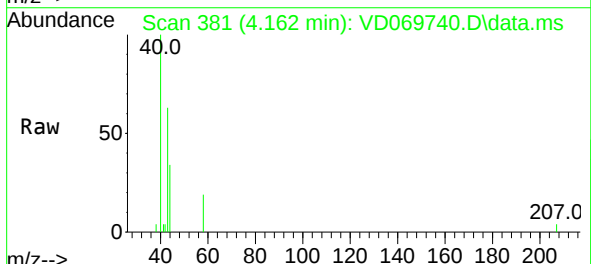
Instrument :
MSVOA_D
ClientSampled :

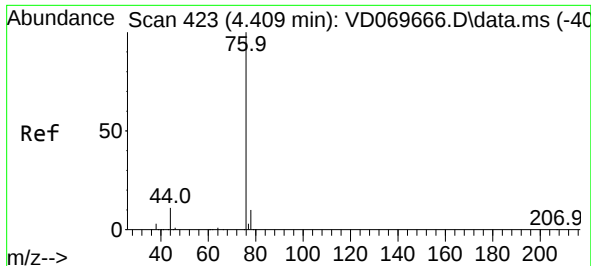
Tgt Ion: 56 Resp: 661
Ion Ratio Lower Upper
56 100
55 51.4 55.3 82.9#



#16
Acetone
Concen: 17.865 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069740.D
Acq: 19 Jul 2021 09:31

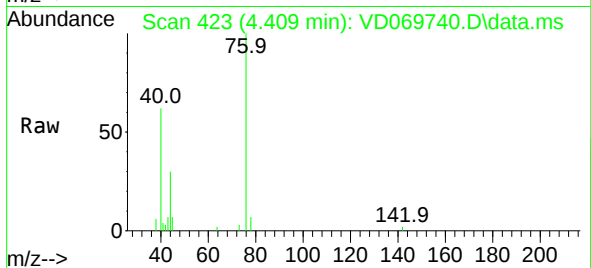
Tgt Ion: 43 Resp: 8152
Ion Ratio Lower Upper
43 100
58 29.7 28.6 42.8



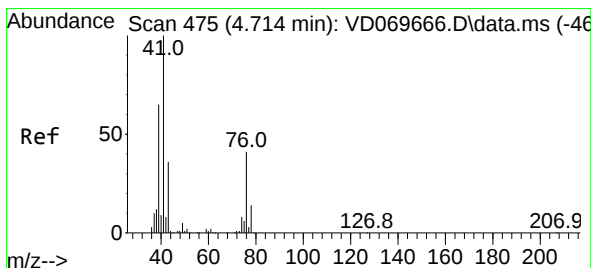
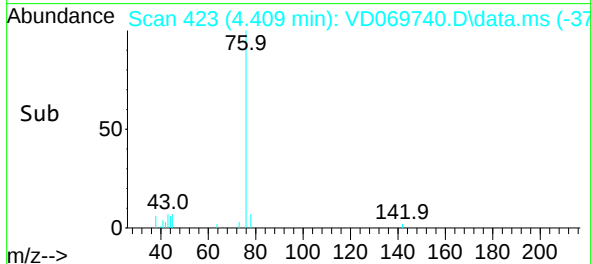
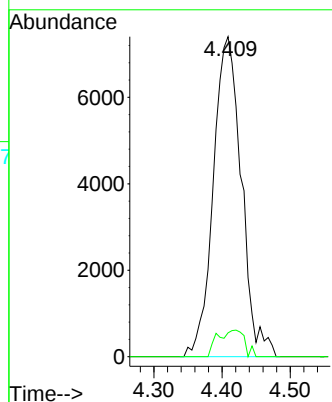


#17
Carbon Disulfide
Concen: 1.359 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069740.D
Acq: 19 Jul 2021 09:31

Instrument :
MSVOA_D
ClientSampled :

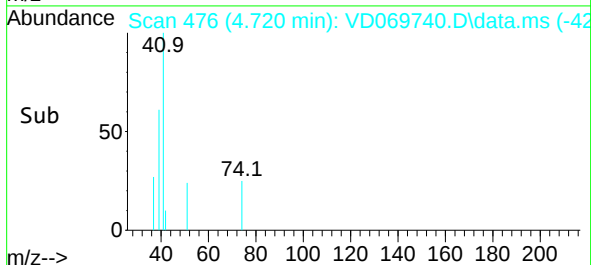
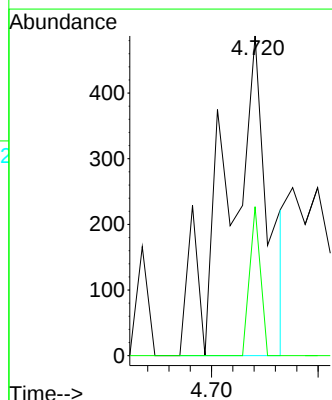
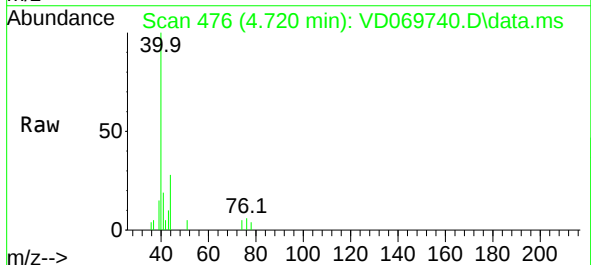


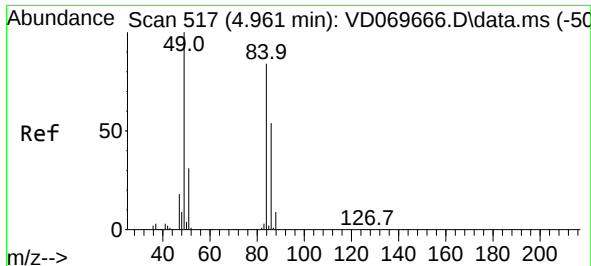
Tgt Ion: 76 Resp: 21218
Ion Ratio Lower Upper
76 100
78 7.4 7.6 11.4#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 476
Delta R.T. 0.006 min
Lab File: VD069740.D
Acq: 19 Jul 2021 09:31

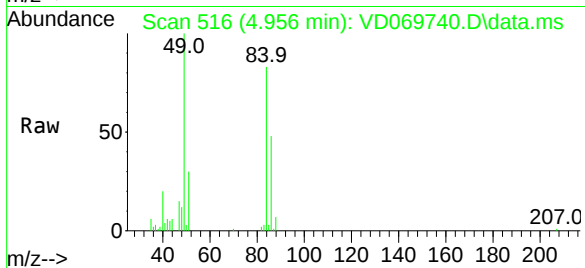
Tgt Ion: 43 Resp: 674
Ion Ratio Lower Upper
43 100
74 11.9 20.6 30.8#



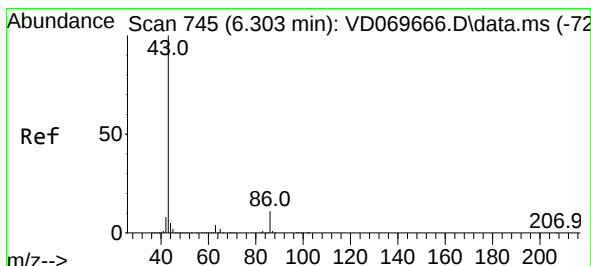
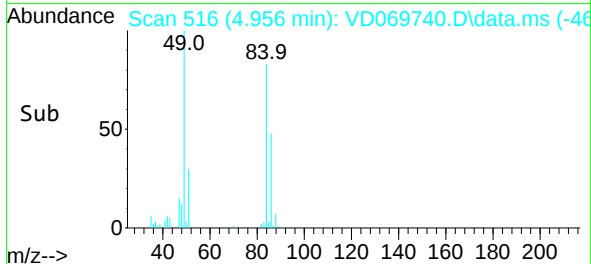
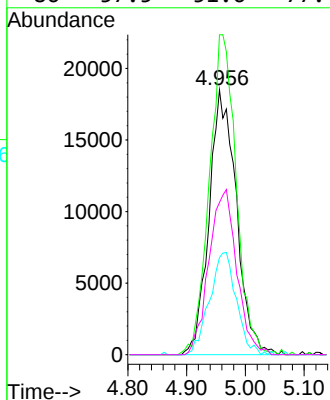


#20
Methylene Chloride
Concen: 1.111 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.005 min
Lab File: VD069740.D
Acq: 19 Jul 2021 09:31

Instrument :
MSVOA_D
ClientSampleId :

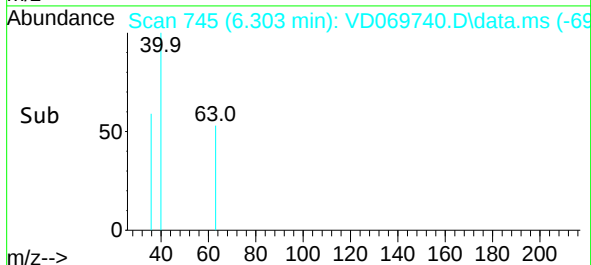
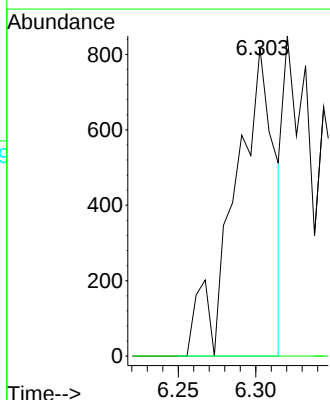
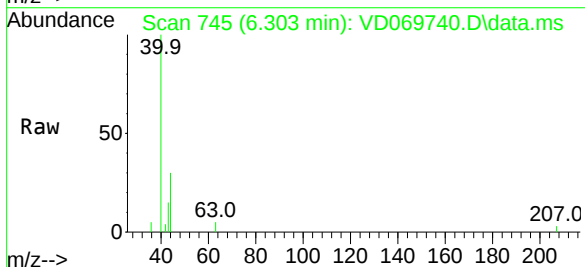


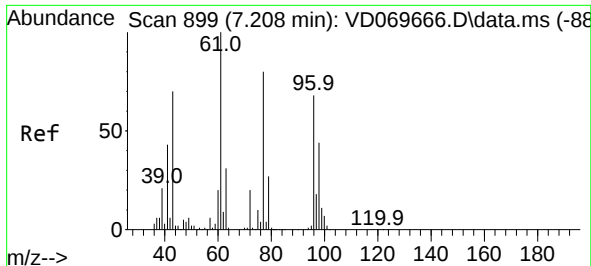
Tgt Ion:	84	Resp:	59628
Ion	Ratio	Lower	Upper
84	100		
49	120.8	95.5	143.3
51	36.7	29.7	44.5
86	57.5	51.6	77.4



#23
Vinyl Acetate
Concen: 15.543 ug/l
RT: 6.303 min Scan# 745
Delta R.T. -0.000 min
Lab File: VD069740.D
Acq: 19 Jul 2021 09:31

Tgt Ion:	43	Resp:	1468
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	12.8#

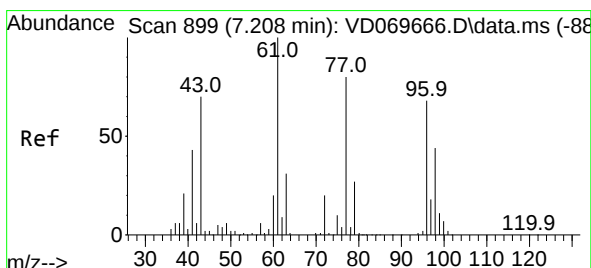
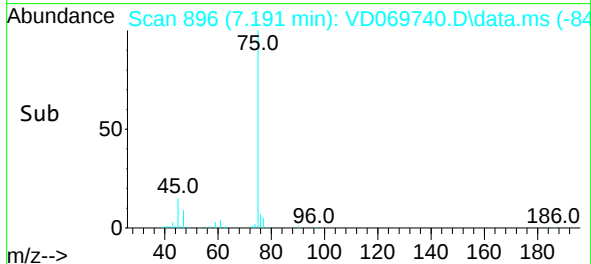
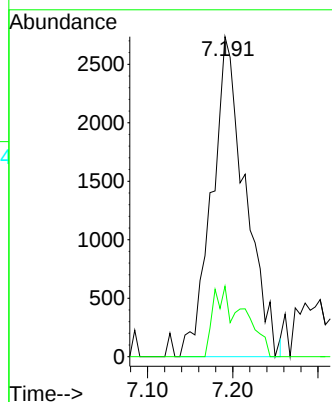
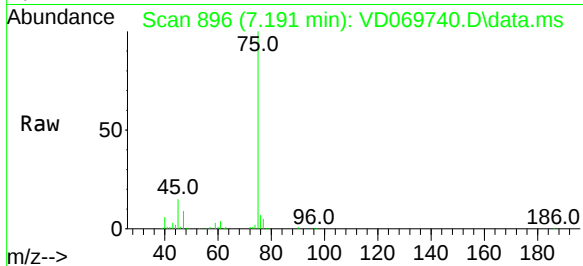




#25
2-Butanone
Concen: 4.268 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.017 min
Lab File: VD069740.D
Acq: 19 Jul 2021 09:31

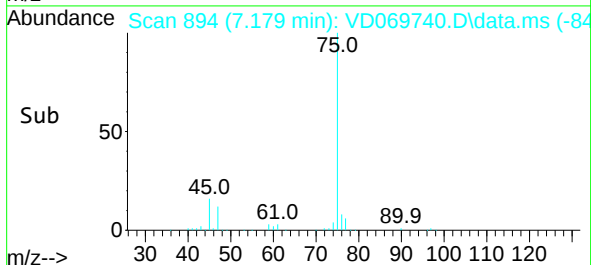
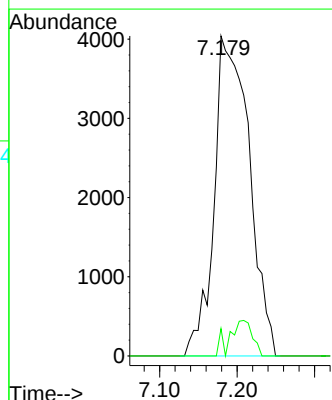
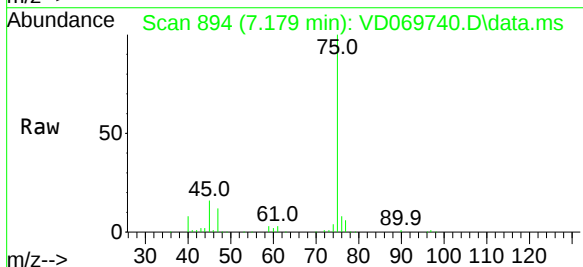
Instrument :
MSVOA_D
ClientSampleId :

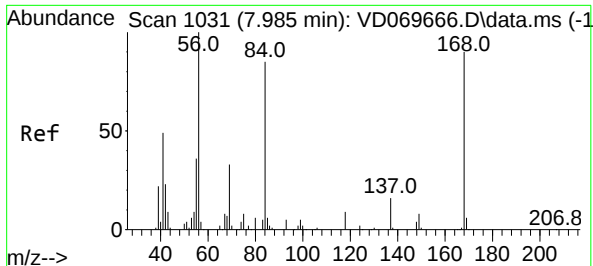
Tgt Ion: 43 Resp: 7454
Ion Ratio Lower Upper
43 100
72 22.0 22.6 33.8#



#26
2,2-Dichloropropane
Concen: 1.106 ug/l
RT: 7.179 min Scan# 894
Delta R.T. -0.029 min
Lab File: VD069740.D
Acq: 19 Jul 2021 09:31

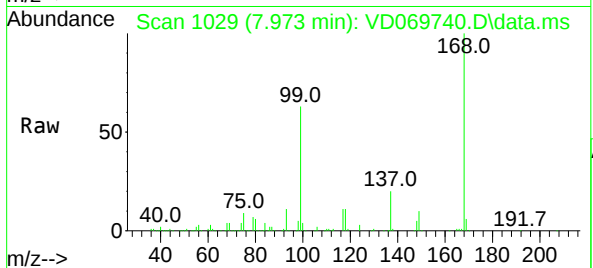
Tgt Ion: 77 Resp: 12722
Ion Ratio Lower Upper
77 100
97 1.0 11.2 33.6#



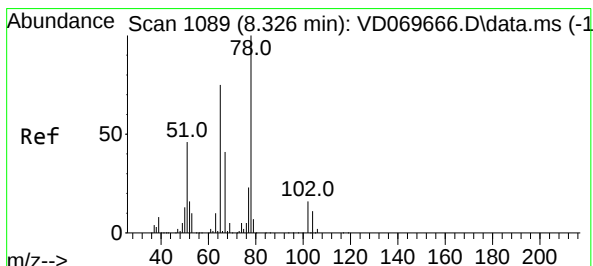
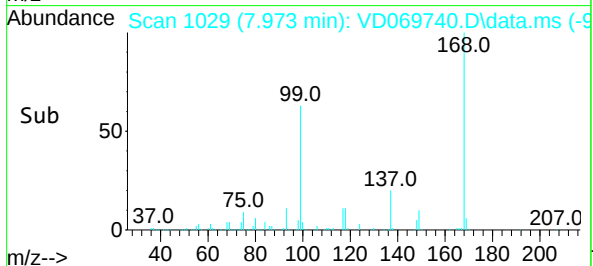
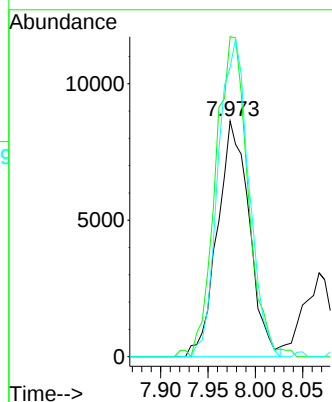


#31
Cyclohexane
Concen: 1.992 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069740.D
Acq: 19 Jul 2021 09:31

Instrument :
MSVOA_D
ClientSampled :

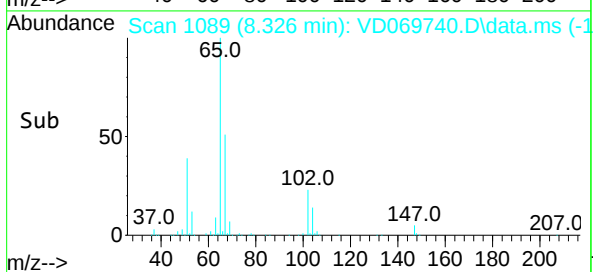
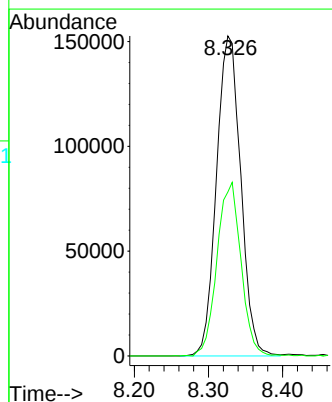
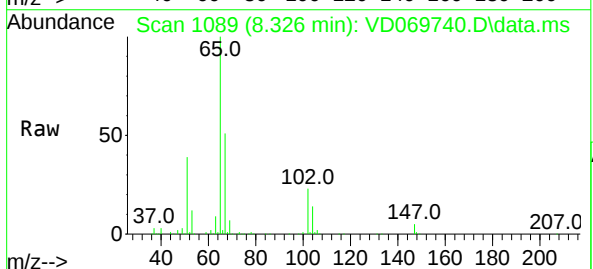


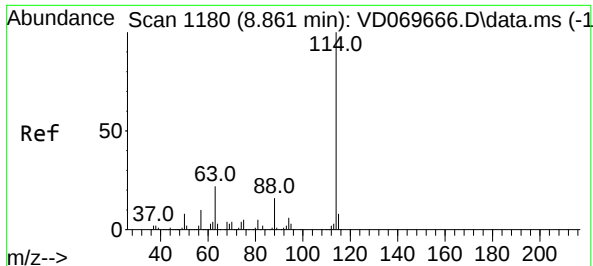
Tgt Ion: 56 Resp: 20127
Ion Ratio Lower Upper
56 100
69 133.2 26.6 39.8#
84 122.7 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 46.950 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069740.D
Acq: 19 Jul 2021 09:31

Tgt Ion: 65 Resp: 346968
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: VD069740.D

Acq: 19 Jul 2021 09:31

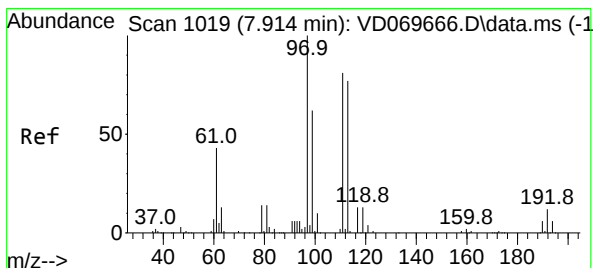
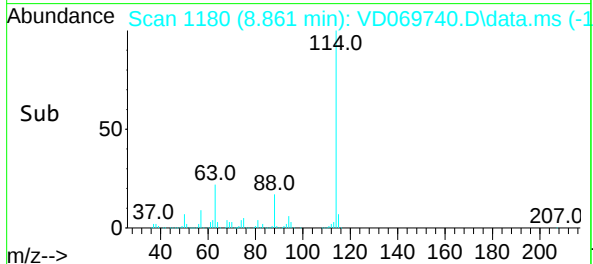
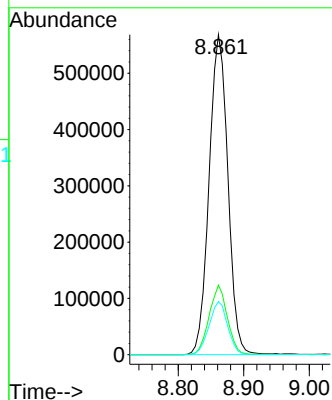
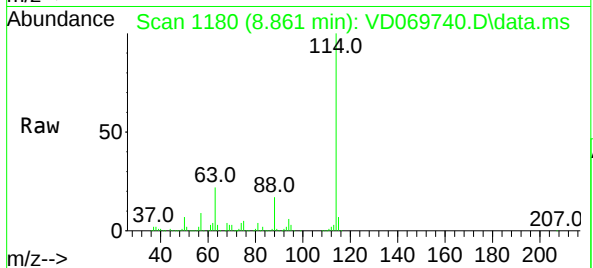
Tgt Ion:114 Resp: 1131045

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.4

88 16.6 0.0 32.0



#35

Dibromofluoromethane

Concen: 47.352 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069740.D

Acq: 19 Jul 2021 09:31

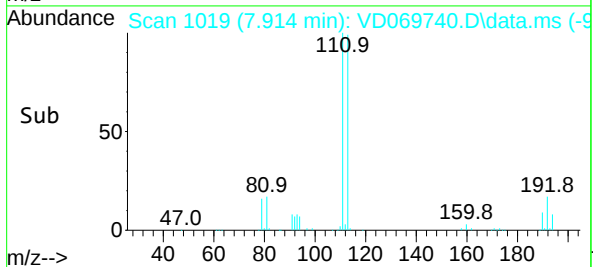
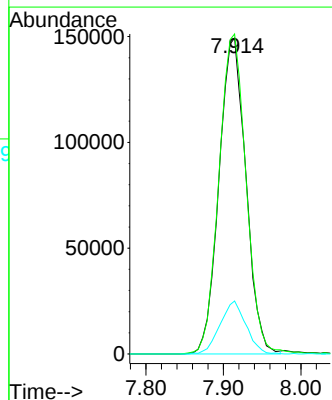
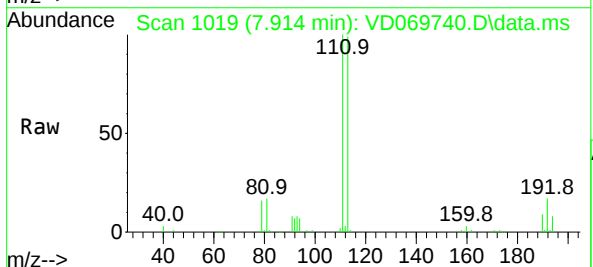
Tgt Ion:113 Resp: 359305

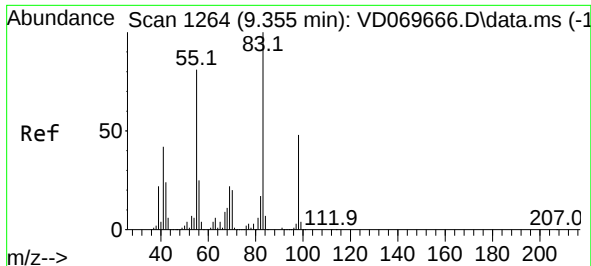
Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 16.2 12.7 19.1





#39

Methylcyclohexane

Concen: 2.363 ug/l

RT: 9.350 min Scan# 1263

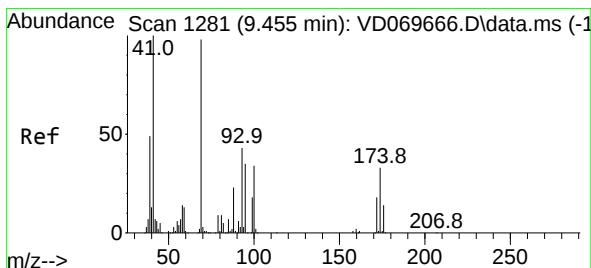
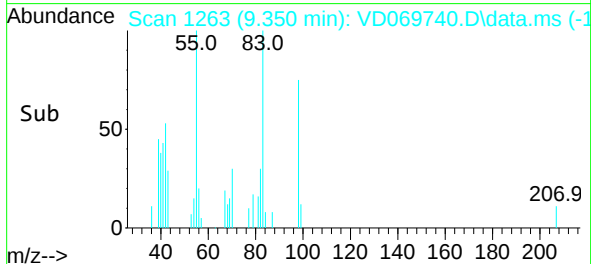
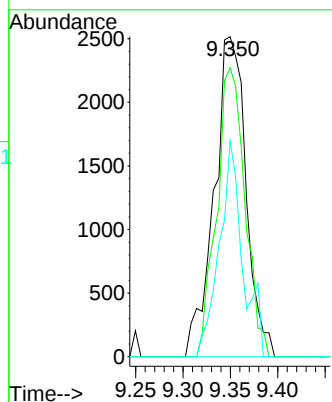
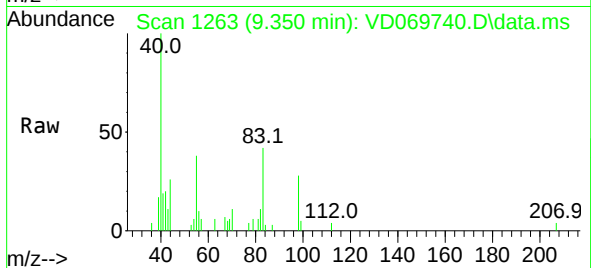
Delta R.T. -0.005 min

Lab File: VD069740.D

Acq: 19 Jul 2021 09:31

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 83	Resp: 5873
Ion Ratio	Lower Upper
83 100	
55 90.3	64.6 97.0
98 67.4	38.4 57.6#



#48

Methyl methacrylate

Concen: 1.200 ug/l

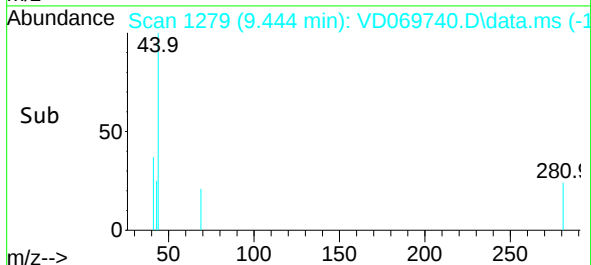
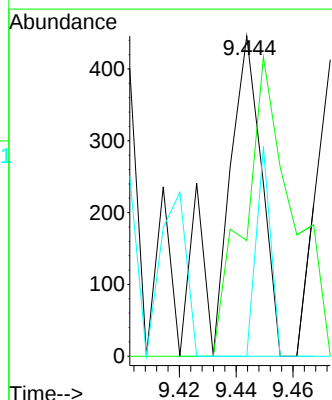
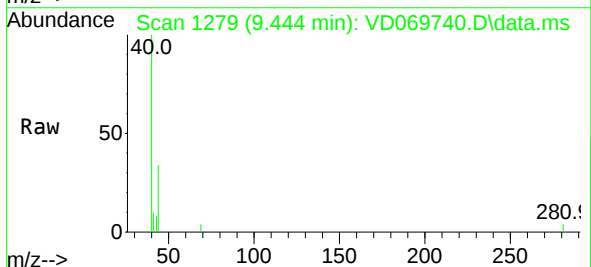
RT: 9.444 min Scan# 1279

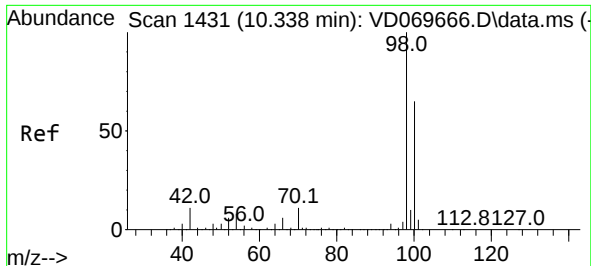
Delta R.T. -0.011 min

Lab File: VD069740.D

Acq: 19 Jul 2021 09:31

Tgt Ion: 41	Resp: 420
Ion Ratio	Lower Upper
41 100	
69 115.0	71.6 107.4#
39 24.5	36.7 55.1#

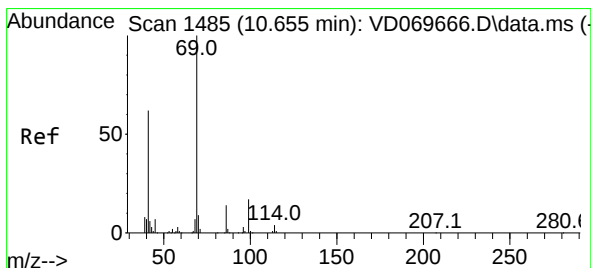
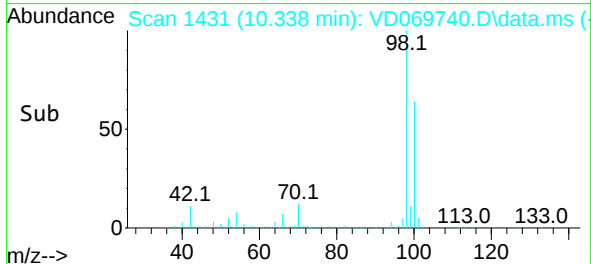
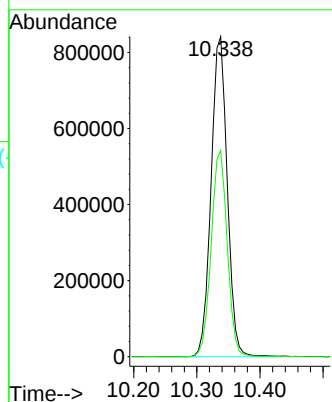
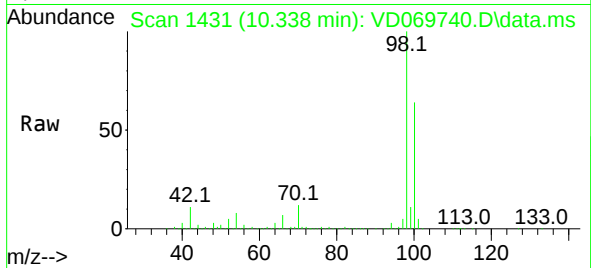




#50
Toluene-d8
Concen: 50.707 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069740.D
Acq: 19 Jul 2021 09:31

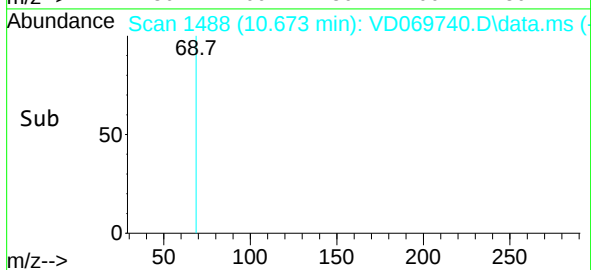
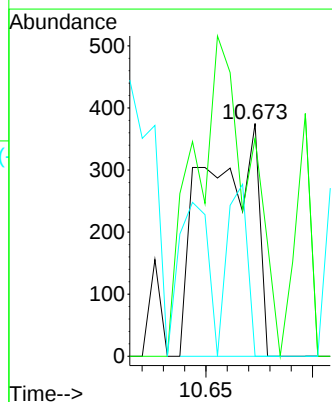
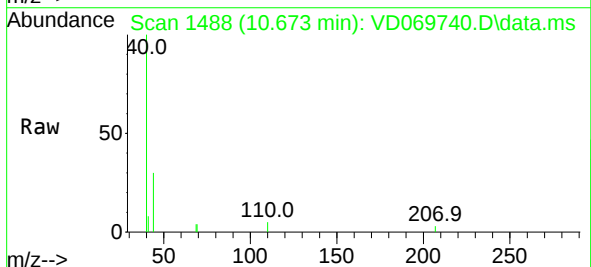
Instrument :
MSVOA_D
ClientSampled :

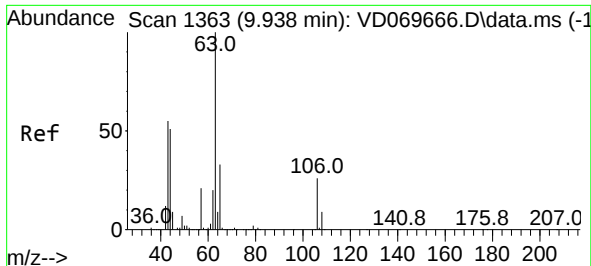
Tgt Ion: 98 Resp: 1494804
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.2



#56
Ethyl methacrylate
Concen: 1.745 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD069740.D
Acq: 19 Jul 2021 09:31

Tgt Ion: 69 Resp: 637
Ion Ratio Lower Upper
69 100
41 143.8 49.5 74.3#
39 28.7 22.5 33.7

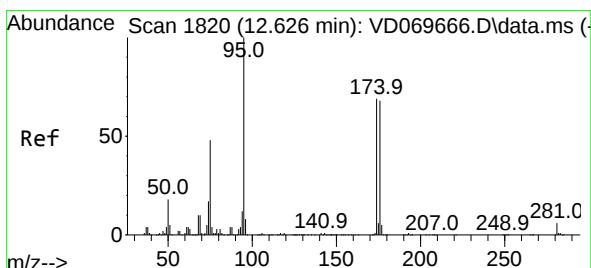
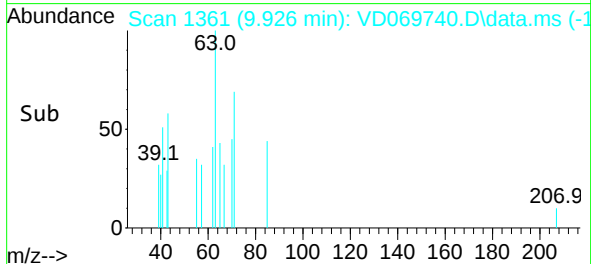
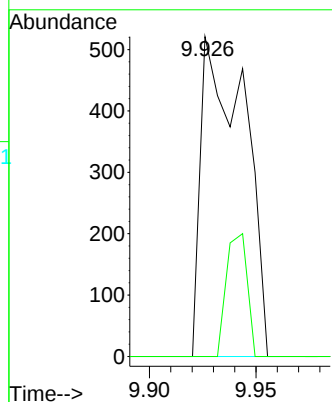
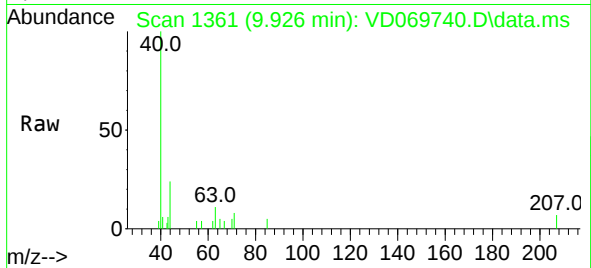




#58
2-Chloroethyl Vinyl ether
Concen: 9.567 ug/l
RT: 9.926 min Scan# 1361
Delta R.T. -0.012 min
Lab File: VD069740.D
Acq: 19 Jul 2021 09:31

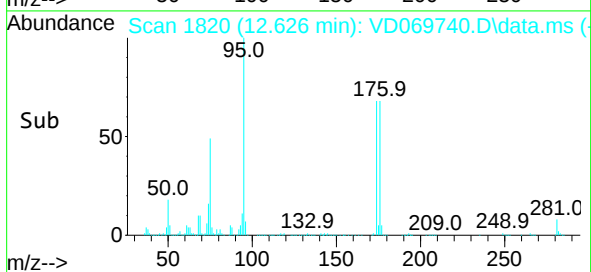
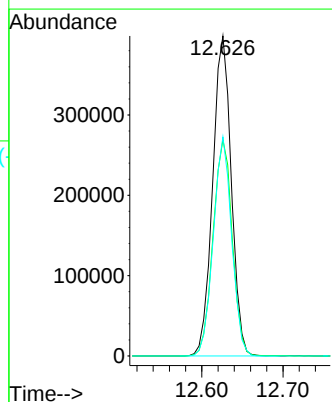
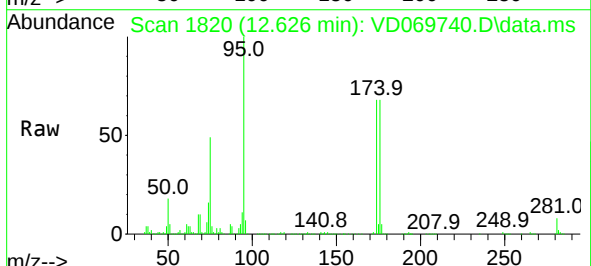
Instrument :
MSVOA_D
ClientSampled :

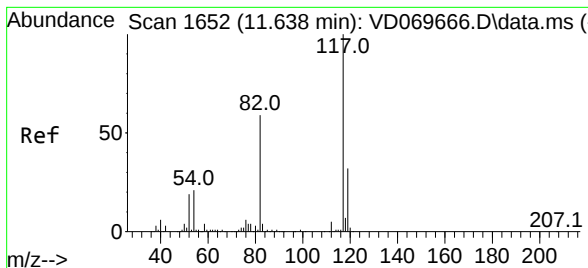
Tgt Ion: 63 Resp: 737
Ion Ratio Lower Upper
63 100
106 18.5 21.1 31.7#



#62
4-Bromofluorobenzene
Concen: 64.522 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069740.D
Acq: 19 Jul 2021 09:31

Tgt Ion: 95 Resp: 634360
Ion Ratio Lower Upper
95 100
174 69.6 0.0 140.0
176 67.4 0.0 136.2

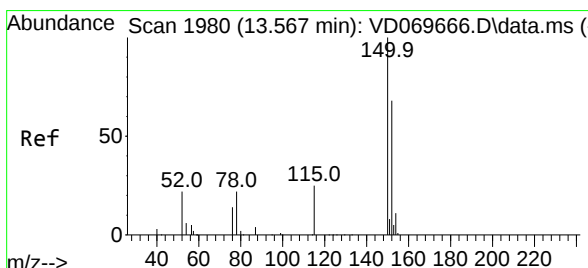
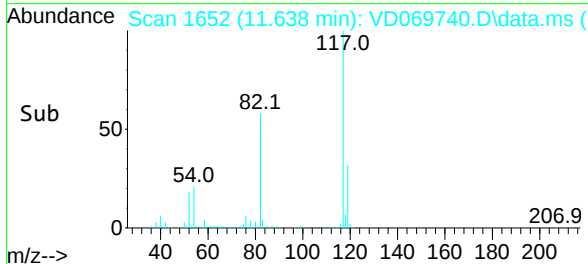
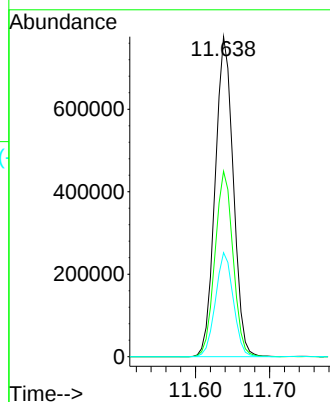
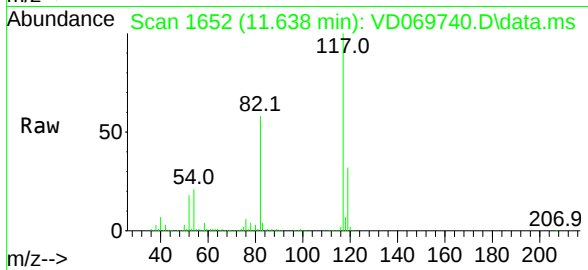




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069740.D
Acq: 19 Jul 2021 09:31

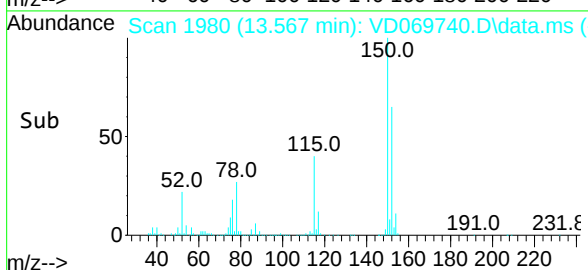
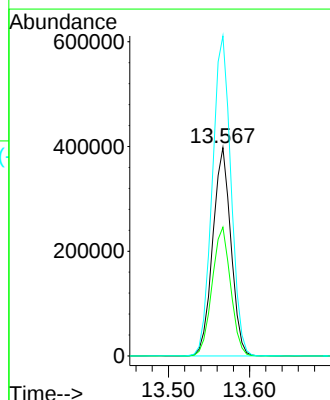
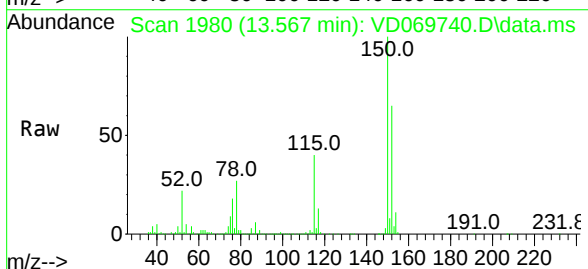
Instrument :
MSVOA_D
ClientSampleId :

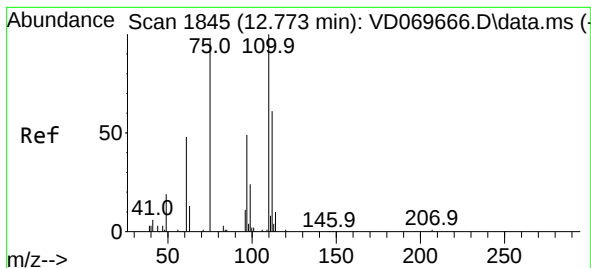
Tgt Ion:117 Resp: 1317812
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 32.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069740.D
Acq: 19 Jul 2021 09:31

Tgt Ion:152 Resp: 618469
Ion Ratio Lower Upper
152 100
115 63.0 31.7 95.1
150 157.5 0.0 350.4

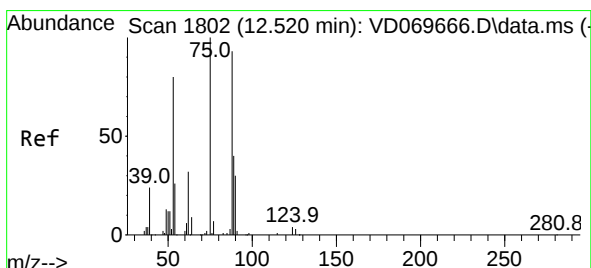
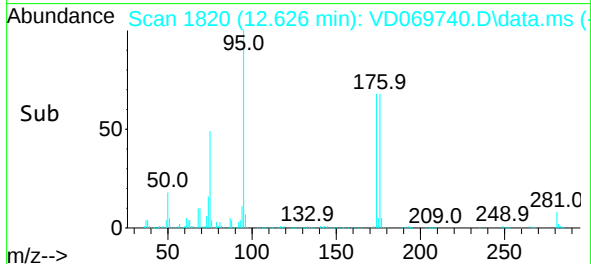
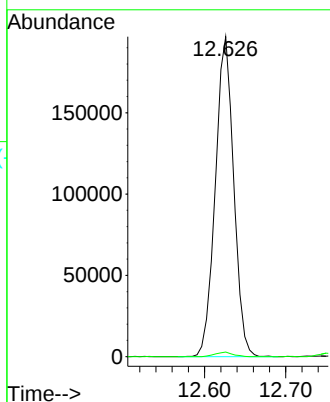
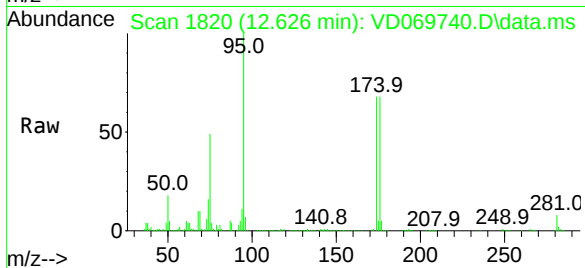




#76
1,2,3-Trichloropropane
Concen: 51.568 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069740.D
Acq: 19 Jul 2021 09:31

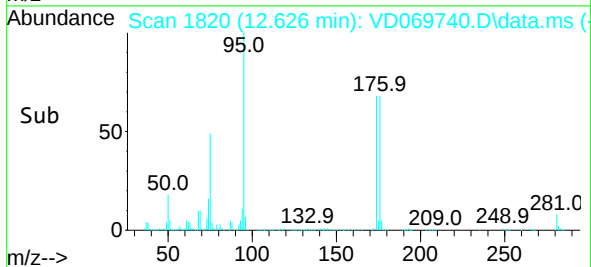
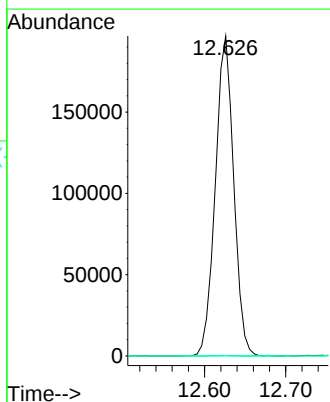
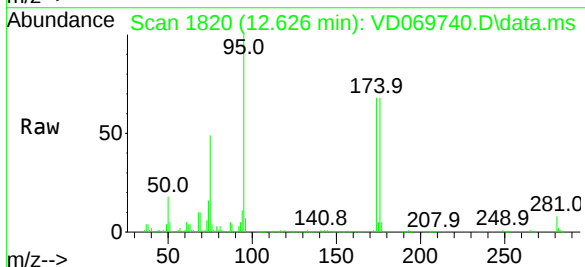
Instrument :
MSVOA_D
ClientSampleId :

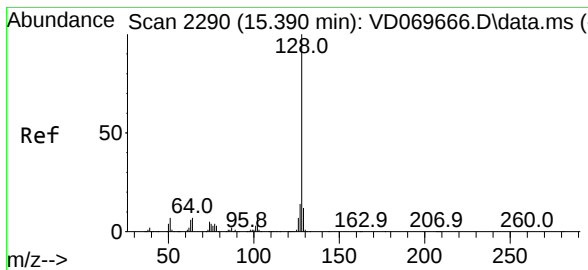
Tgt Ion: 75 Resp: 309833
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 138.586 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069740.D
Acq: 19 Jul 2021 09:31

Tgt Ion: 75 Resp: 309833
Ion Ratio Lower Upper
75 100
53 0.2 70.6 106.0#
89 0.1 35.1 52.7#





#95
 Naphthalene
 Concen: 2.478 ug/l
 RT: 15.385 min Scan# 2289
 Delta R.T. -0.005 min
 Lab File: VD069740.D
 Acq: 19 Jul 2021 09:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:	128	Resp:	5583
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	5.8	8.8	13.2#

