

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072121\
 Data File : VD069786.D
 Acq On : 21 Jul 2021 12:55
 Operator : VA/SY
 Sample : M3051-08RE
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 22 03:39:48 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)

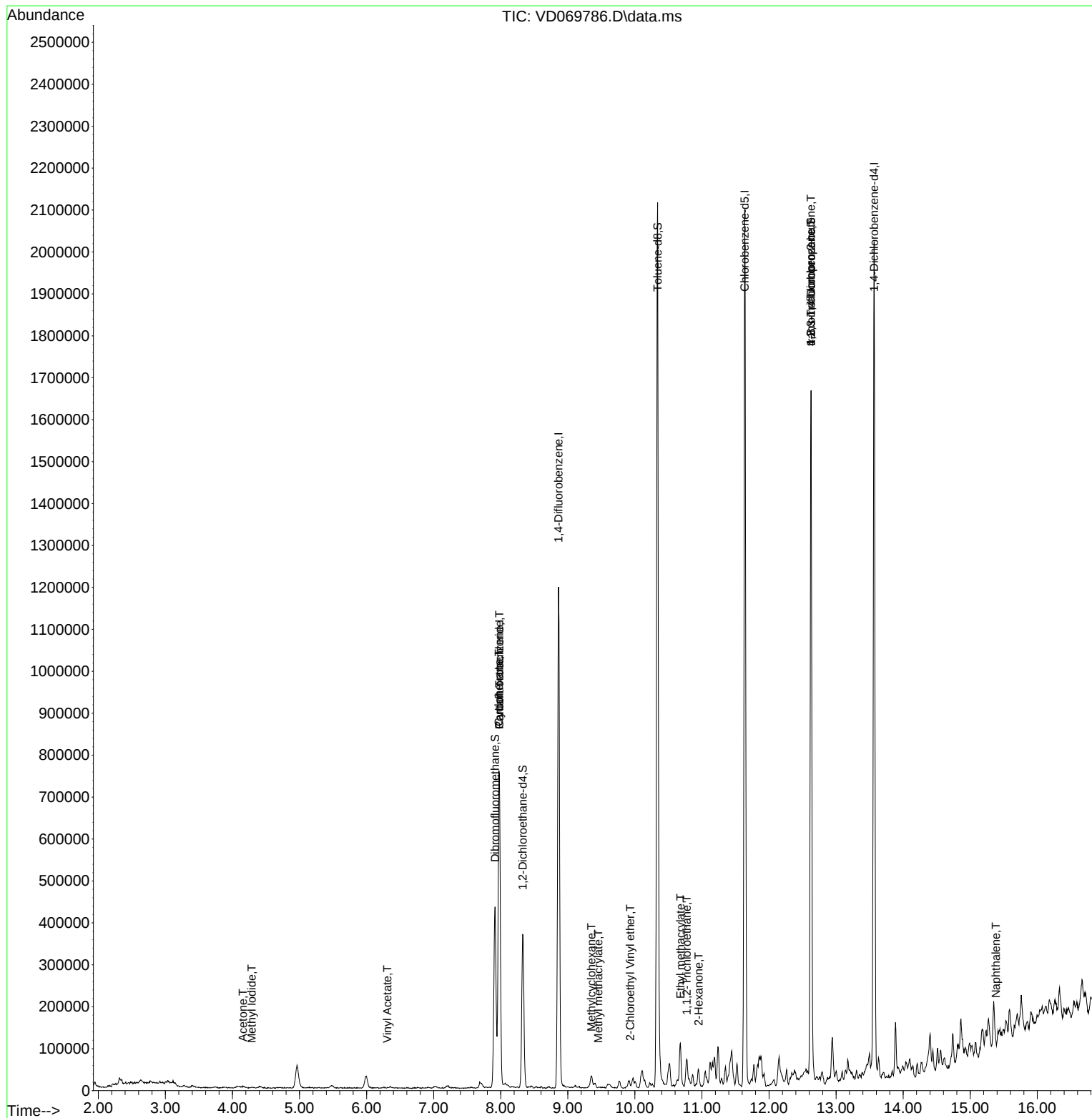
Internal Standards						
1) Pentafluorobenzene	7.979	168	531834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1008450	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1208546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	515430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	292234	44.007	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.020%
35) Dibromofluoromethane	7.914	113	313289	46.307	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.620%
50) Toluene-d8	10.338	98	1366184	51.978	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.960%
62) 4-Bromofluorobenzene	12.626	95	576880	65.809	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	131.620%
Target Compounds						
5) Bromomethane	2.779	94	4262	Below Cal	#	61
10) Methyl Iodide	4.285	142	1930	2.746	ug/l #	39
16) Acetone	4.156	43	5652	16.786	ug/l #	87
18) Methyl Acetate	4.709	43	392	Below Cal	#	49
20) Methylene Chloride	4.962	84	42514	Below Cal		95
23) Vinyl Acetate	6.309	43	152	15.438	ug/l #	72
31) Cyclohexane	7.973	56	17965	1.982	ug/l #	2
38) Carbon Tetrachloride	7.979	117	57765	6.063	ug/l #	18
39) Methylcyclohexane	9.350	83	8449	2.612	ug/l	89
48) Methyl methacrylate	9.455	41	327	1.188	ug/l #	50
55) 1,1,2-Trichloroethane	10.773	97	22832	4.240	ug/l #	19
56) Ethyl methacrylate	10.679	69	12077	3.362	ug/l #	13
58) 2-Chloroethyl Vinyl ether	9.932	63	142	9.405	ug/l #	49
59) 2-Hexanone	10.950	43	16651	6.694	ug/l #	24
76) 1,2,3-Trichloropropane	12.626	75	284733	56.864	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	284733	152.820	ug/l #	14
95) Naphthalene	15.385	128	4250	2.454	ug/l #	73

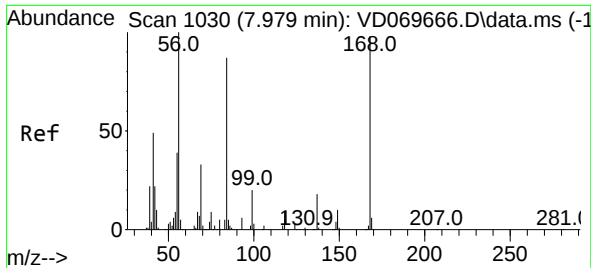
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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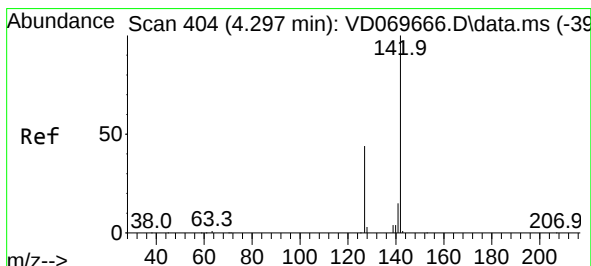
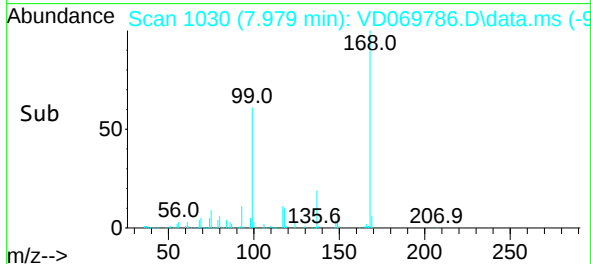
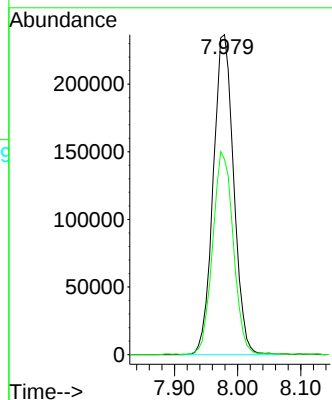
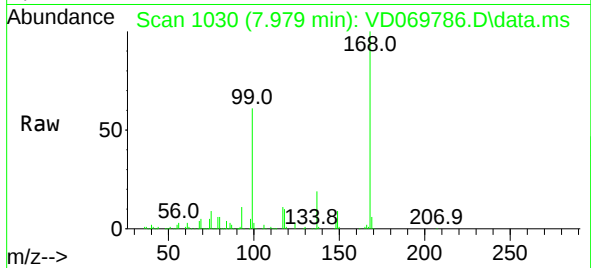




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069786.D
Acq: 21 Jul 2021 12:55

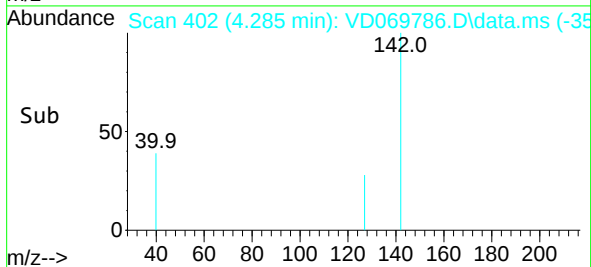
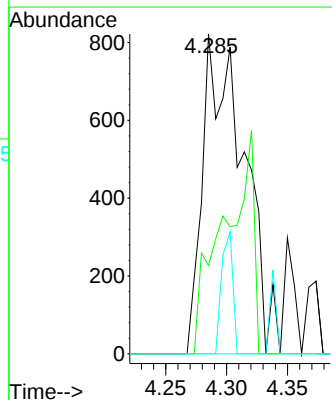
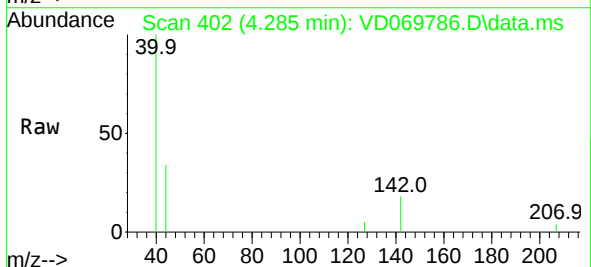
Instrument :
MSVOA_D
ClientSampled :

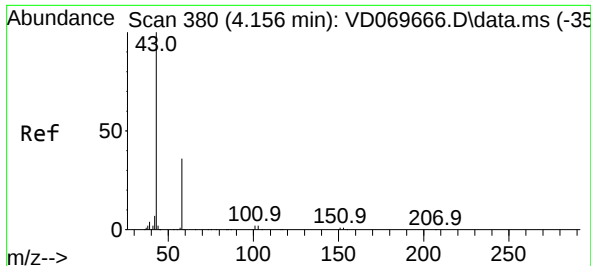
Tgt Ion:168 Resp: 531834
Ion Ratio Lower Upper
168 100
99 60.9 51.8 77.6



#10
Methyl Iodide
Concen: 2.746 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.012 min
Lab File: VD069786.D
Acq: 21 Jul 2021 12:55

Tgt Ion:142 Resp: 1930
Ion Ratio Lower Upper
142 100
127 0.0 36.1 54.1#
141 0.0 11.6 17.4#

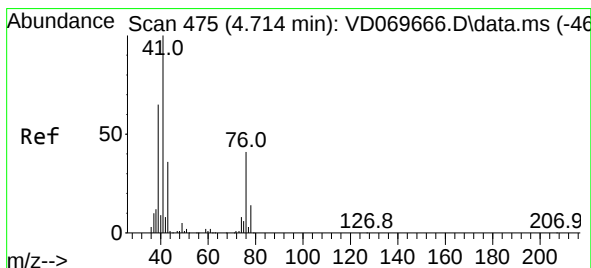
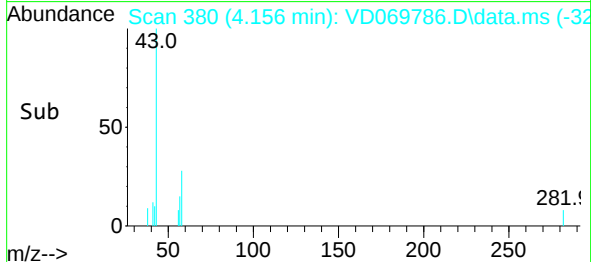
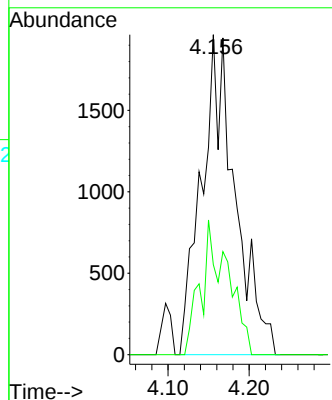
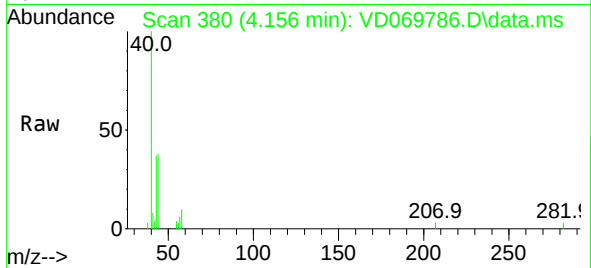




#16
Acetone
Concen: 16.786 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069786.D
Acq: 21 Jul 2021 12:55

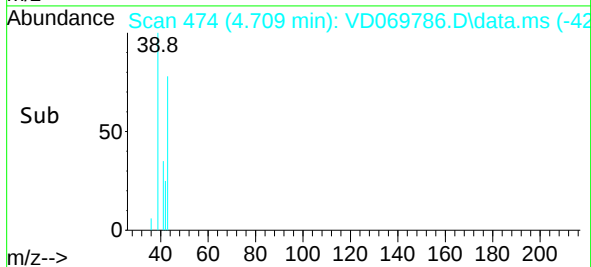
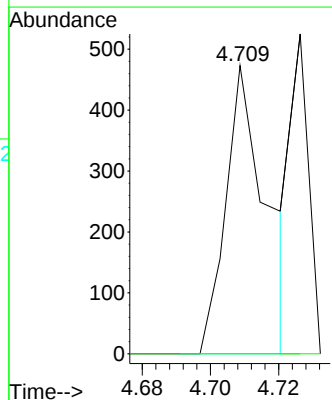
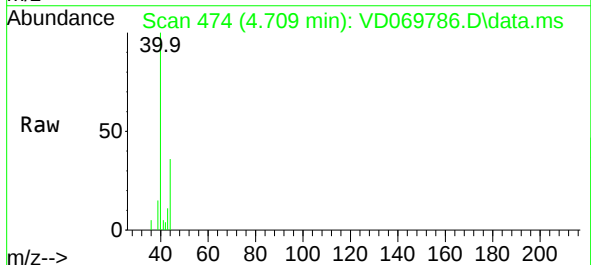
Instrument :
MSVOA_D
ClientSampled :

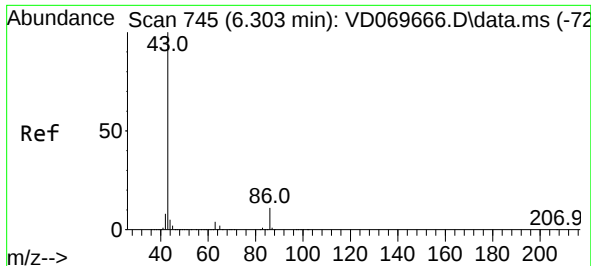
Tgt Ion: 43 Resp: 5652
Ion Ratio Lower Upper
43 100
58 28.1 28.6 42.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.709 min Scan# 474
Delta R.T. -0.005 min
Lab File: VD069786.D
Acq: 21 Jul 2021 12:55

Tgt Ion: 43 Resp: 392
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#

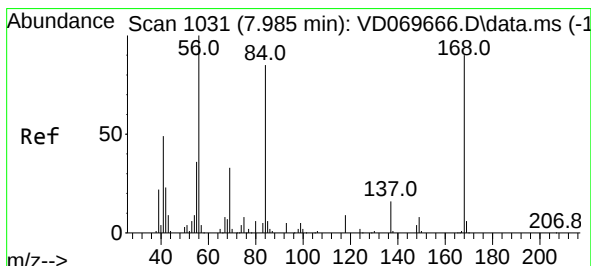
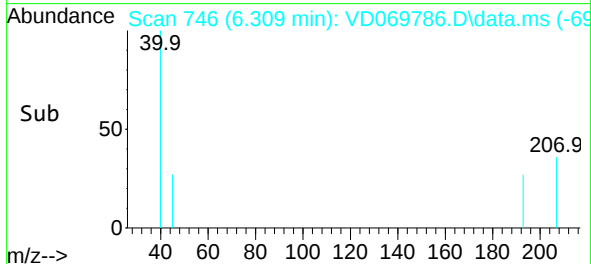
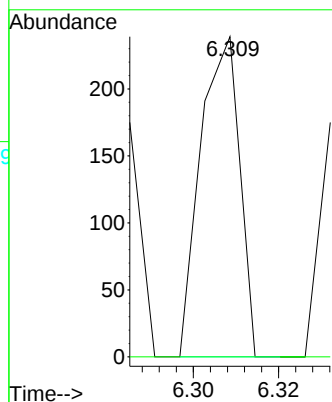
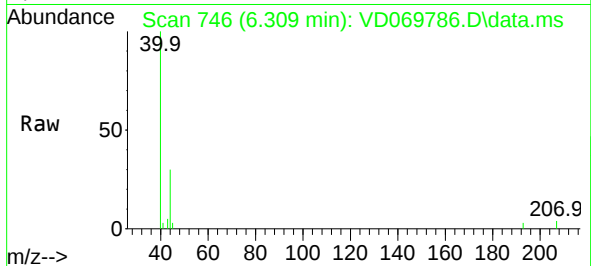




#23
 Vinyl Acetate
 Concen: 15.438 ug/l
 RT: 6.309 min Scan# 746
 Delta R.T. 0.006 min
 Lab File: VD069786.D
 Acq: 21 Jul 2021 12:55

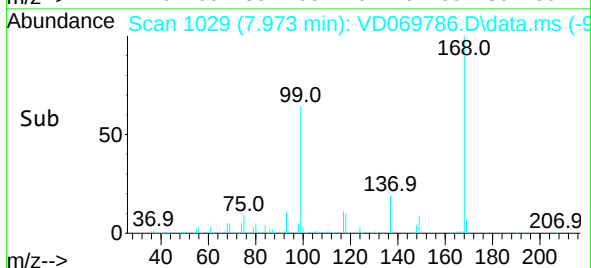
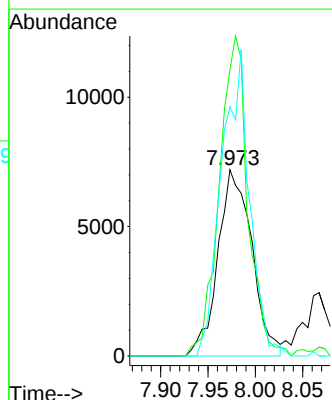
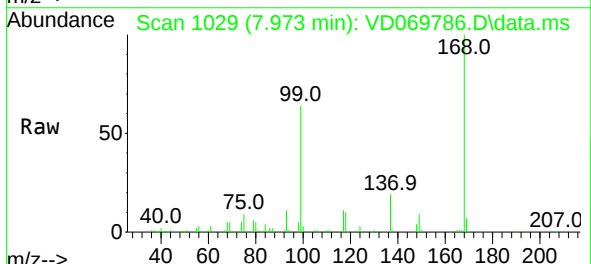
Instrument :
 MSVOA_D
 ClientSampled :

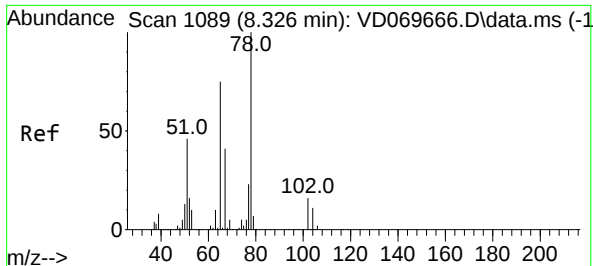
Tgt Ion: 43 Resp: 152
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#31
 Cyclohexane
 Concen: 1.982 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD069786.D
 Acq: 21 Jul 2021 12:55

Tgt Ion: 56 Resp: 17965
 Ion Ratio Lower Upper
 56 100
 69 153.9 26.6 39.8#
 84 134.1 68.2 102.2#

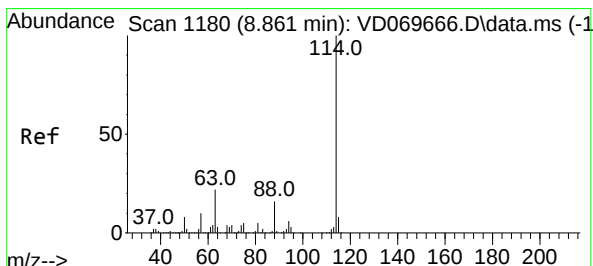
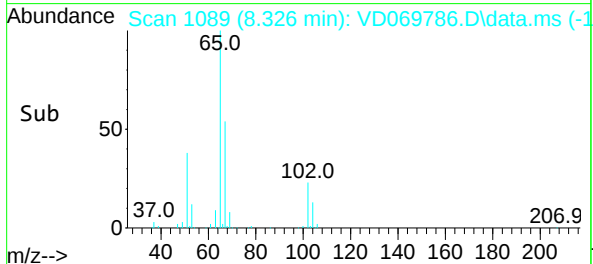
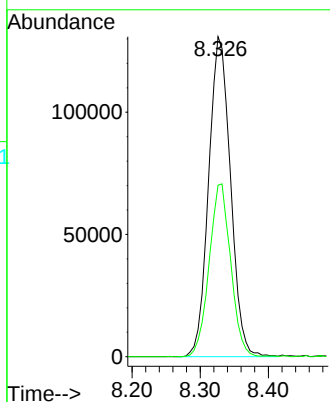
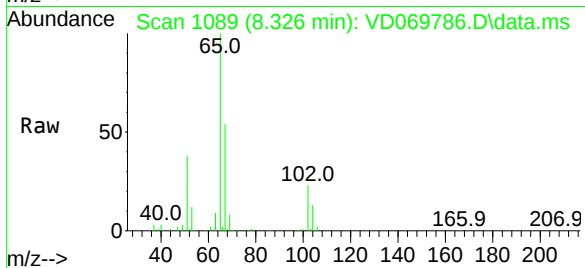




#33
1,2-Dichloroethane-d4
Concen: 44.007 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069786.D
Acq: 21 Jul 2021 12:55

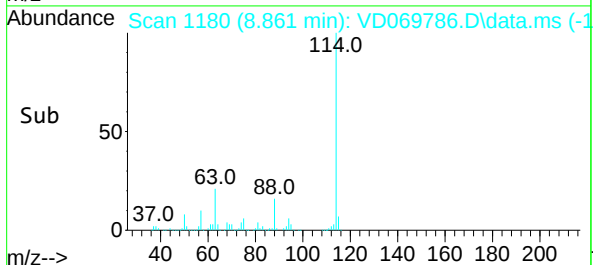
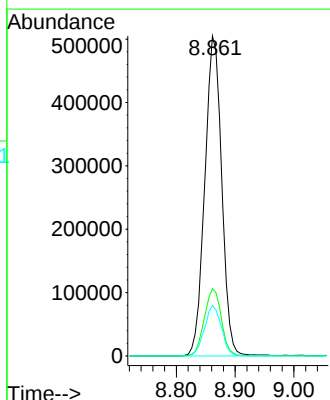
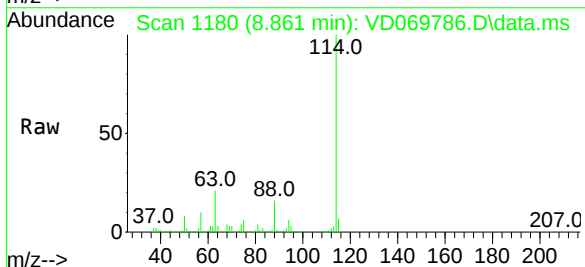
Instrument :
MSVOA_D
ClientSampled :

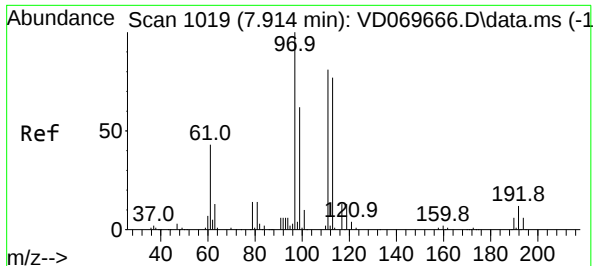
Tgt Ion: 65 Resp: 292234
Ion Ratio Lower Upper
65 100
67 53.2 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069786.D
Acq: 21 Jul 2021 12:55

Tgt Ion:114 Resp: 1008450
Ion Ratio Lower Upper
114 100
63 21.0 0.0 43.4
88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 46.307 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069786.D

Acq: 21 Jul 2021 12:55

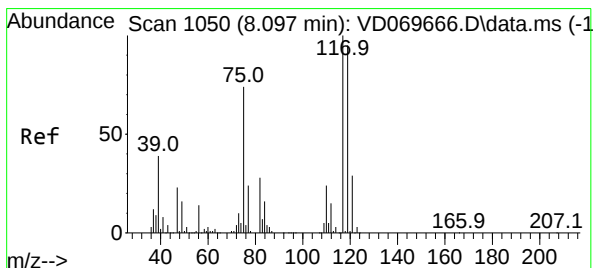
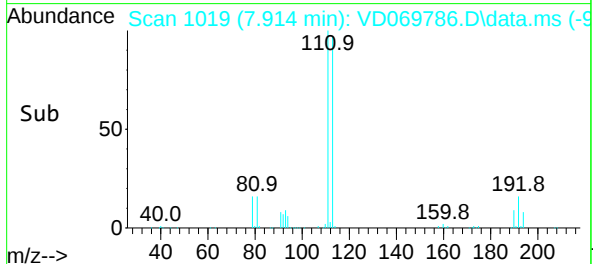
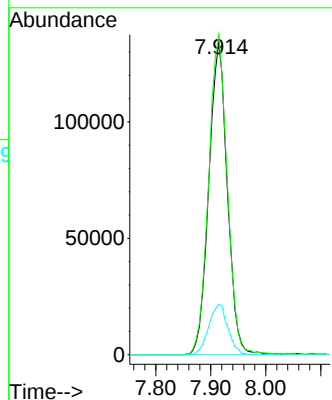
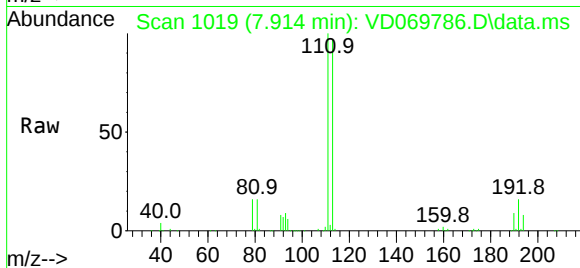
Tgt Ion:113 Resp: 313289

Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

192 16.6 12.7 19.1



#38

Carbon Tetrachloride

Concen: 6.063 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD069786.D

Acq: 21 Jul 2021 12:55

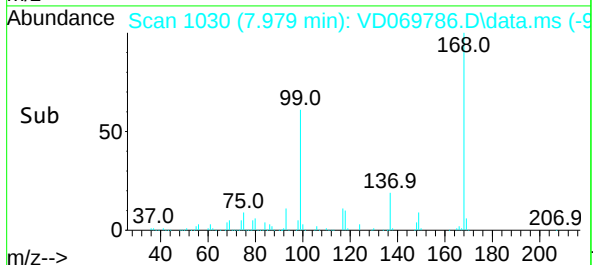
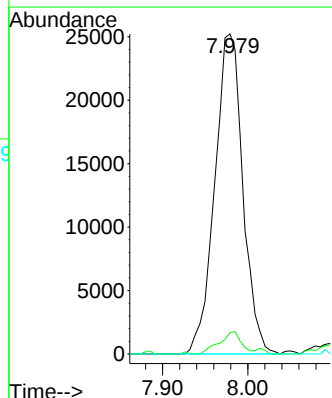
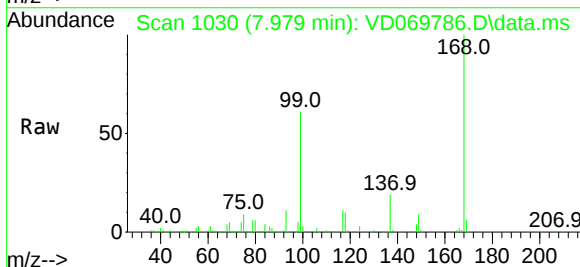
Tgt Ion:117 Resp: 57765

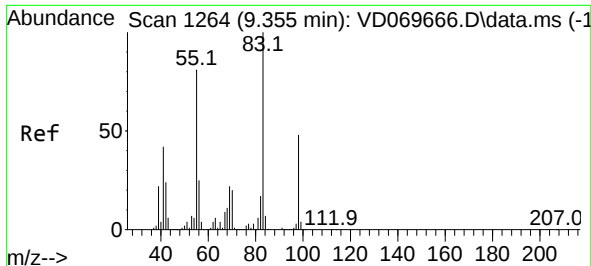
Ion Ratio Lower Upper

117 100

119 6.7 75.7 113.5#

121 0.0 23.0 34.6#





#39

Methylcyclohexane

Concen: 2.612 ug/l

RT: 9.350 min Scan# 1263

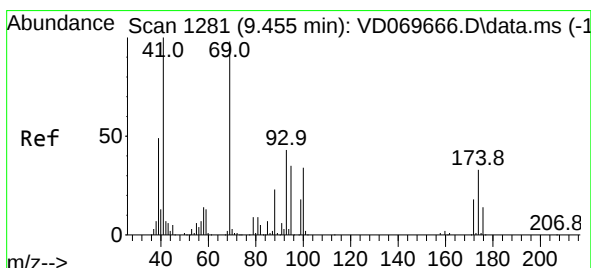
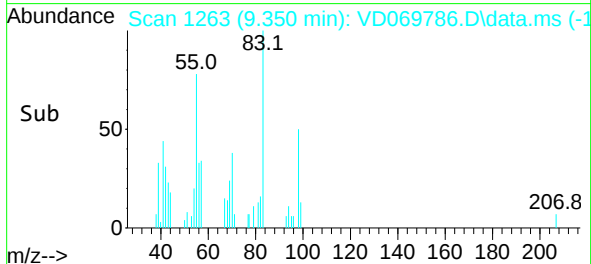
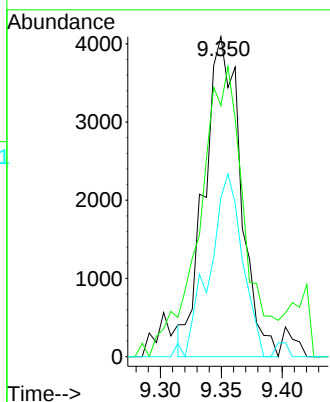
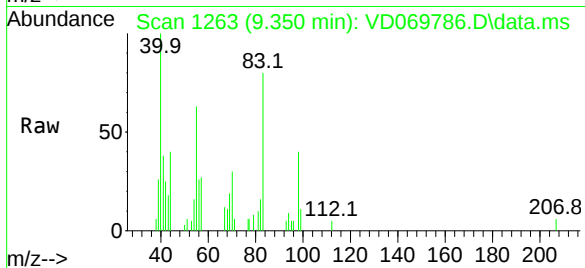
Delta R.T. -0.005 min

Lab File: VD069786.D

Acq: 21 Jul 2021 12:55

Tgt Ion:	83	Resp:	8449
Ion	Ratio	Lower	Upper
83	100		
55	67.2	64.6	97.0
98	45.7	38.4	57.6

Instrument :
MSVOA_D
ClientSampleId :



#48

Methyl methacrylate

Concen: 1.188 ug/l

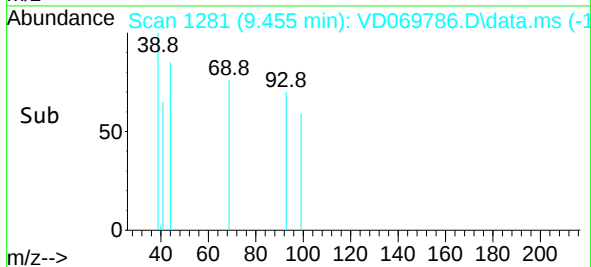
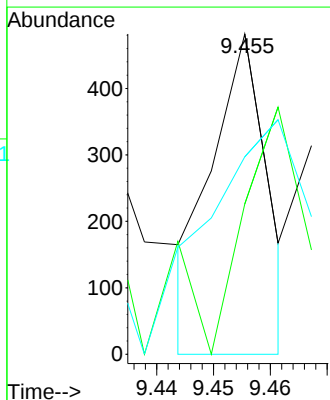
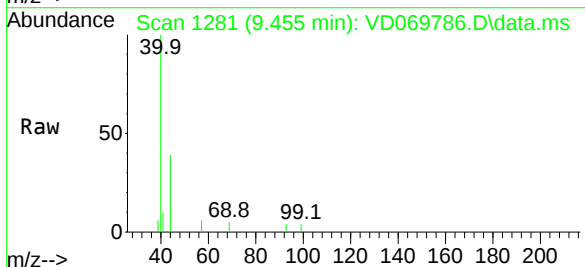
RT: 9.455 min Scan# 1281

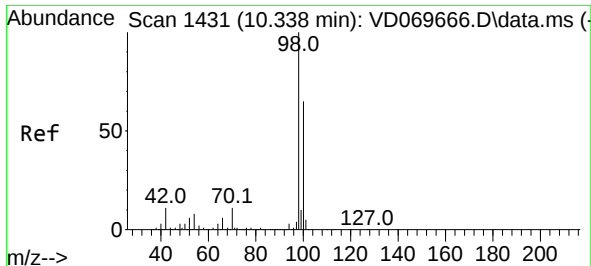
Delta R.T. 0.000 min

Lab File: VD069786.D

Acq: 21 Jul 2021 12:55

Tgt Ion:	41	Resp:	327
Ion	Ratio	Lower	Upper
41	100		
69	81.7	71.6	107.4
39	132.1	36.7	55.1#

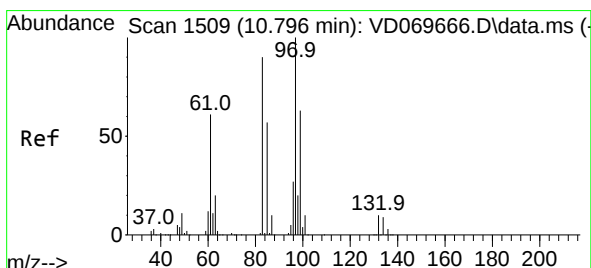
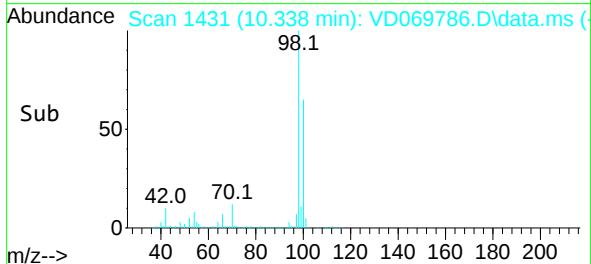
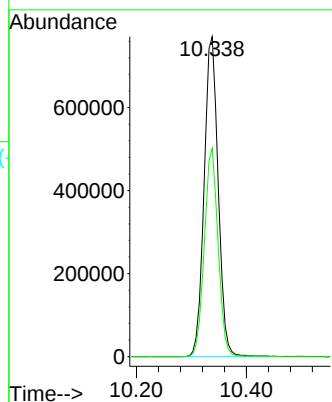
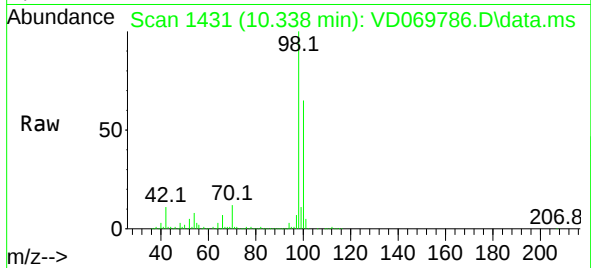




#50
Toluene-d8
Concen: 51.978 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069786.D
Acq: 21 Jul 2021 12:55

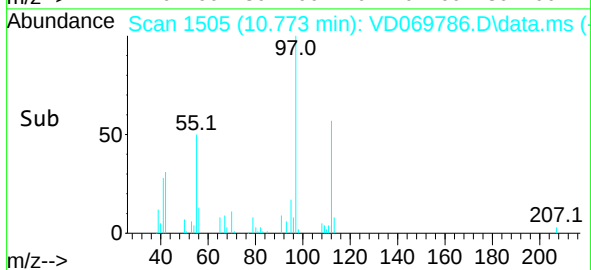
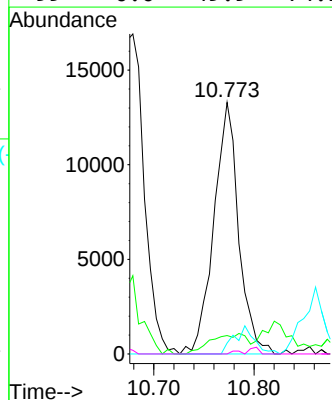
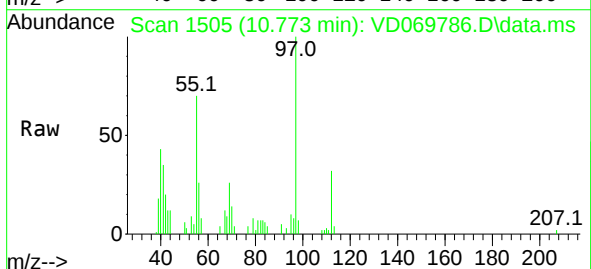
Instrument :
MSVOA_D
ClientSampleId :

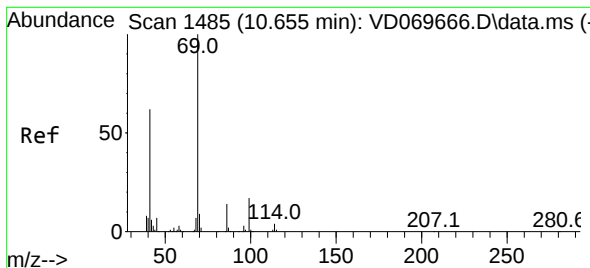
Tgt Ion: 98 Resp: 1366184
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.2



#55
1,1,2-Trichloroethane
Concen: 4.240 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.023 min
Lab File: VD069786.D
Acq: 21 Jul 2021 12:55

Tgt Ion: 97 Resp: 22832
Ion Ratio Lower Upper
97 100
83 7.3 72.3 108.5#
85 4.3 45.5 68.3#
99 0.0 49.9 74.9#

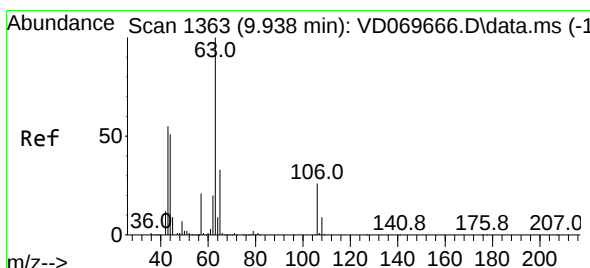
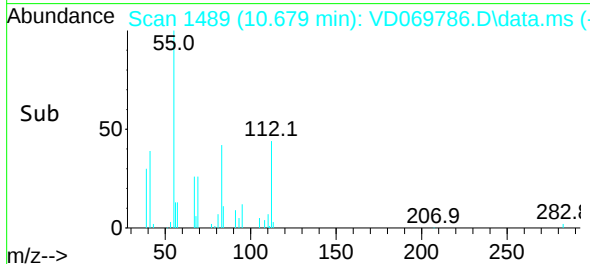
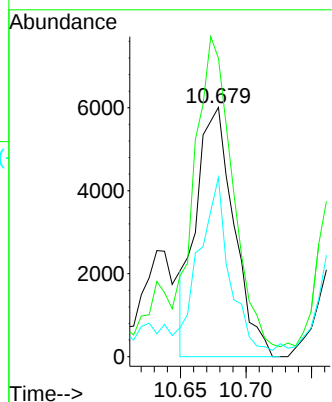
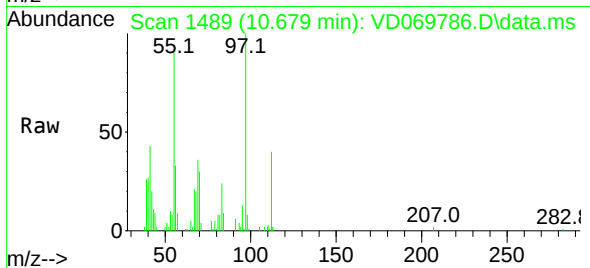




#56
Ethyl methacrylate
Concen: 3.362 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.024 min
Lab File: VD069786.D
Acq: 21 Jul 2021 12:55

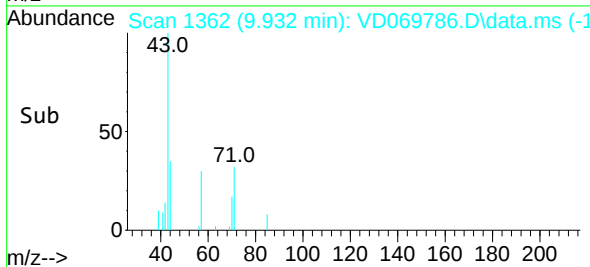
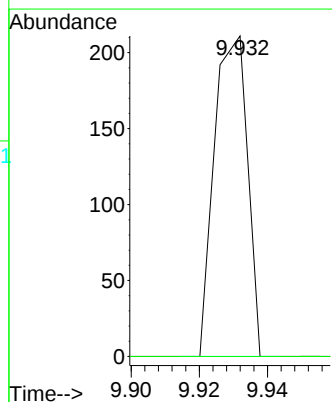
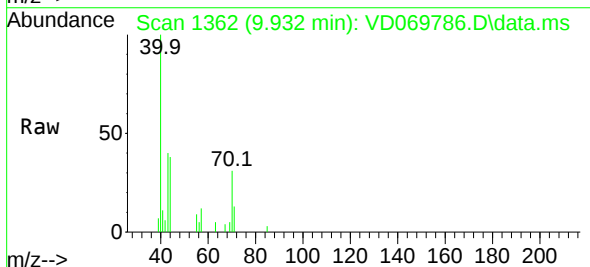
Instrument :
MSVOA_D
ClientSampleId :

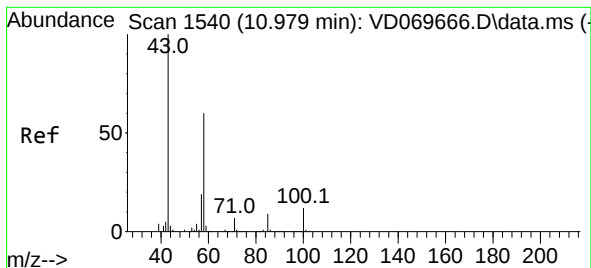
Tgt Ion: 69 Resp: 12077
Ion Ratio Lower Upper
69 100
41 141.2 49.5 74.3#
39 54.6 22.5 33.7#



#58
2-Chloroethyl Vinyl ether
Concen: 9.405 ug/l
RT: 9.932 min Scan# 1362
Delta R.T. -0.006 min
Lab File: VD069786.D
Acq: 21 Jul 2021 12:55

Tgt Ion: 63 Resp: 142
Ion Ratio Lower Upper
63 100
106 0.0 21.1 31.7#

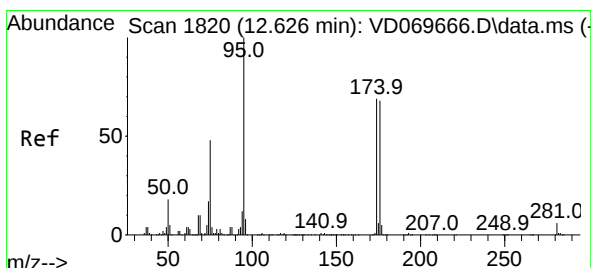
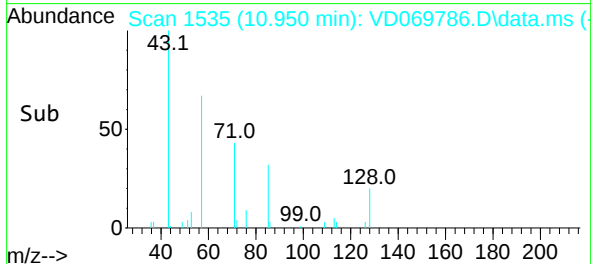
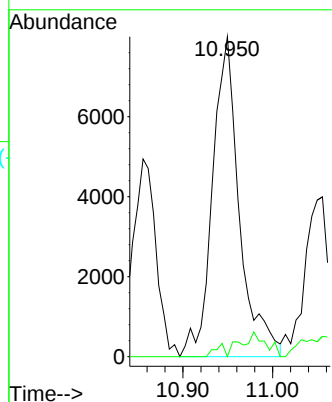
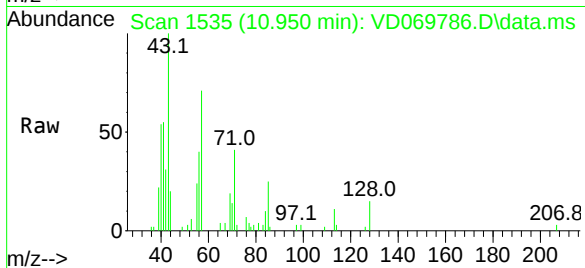




#59
2-Hexanone
Concen: 6.694 ug/l
RT: 10.950 min Scan# 1535
Delta R.T. -0.029 min
Lab File: VD069786.D
Acq: 21 Jul 2021 12:55

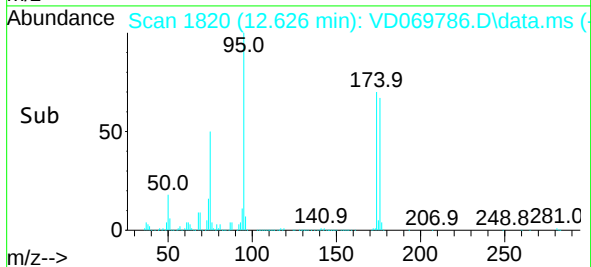
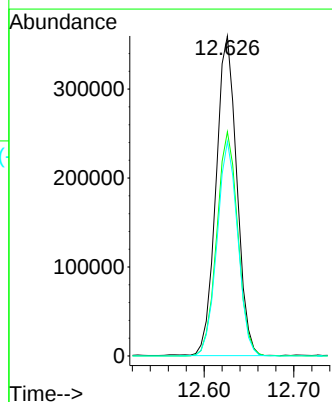
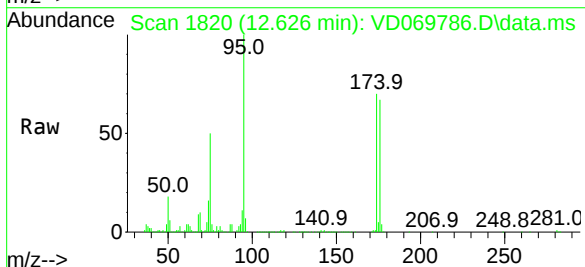
Instrument :
MSVOA_D
ClientSampled :

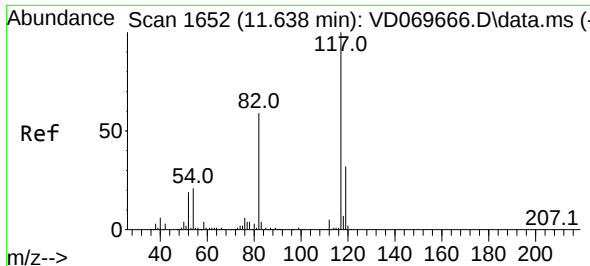
Tgt Ion: 43 Resp: 16651
Ion Ratio Lower Upper
43 100
58 1.4 29.1 87.4#



#62
4-Bromofluorobenzene
Concen: 65.809 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069786.D
Acq: 21 Jul 2021 12:55

Tgt Ion: 95 Resp: 576880
Ion Ratio Lower Upper
95 100
174 71.1 0.0 140.0
176 66.8 0.0 136.2

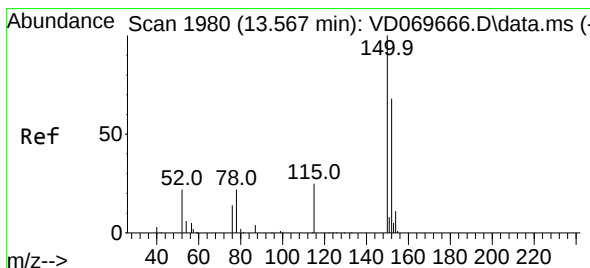
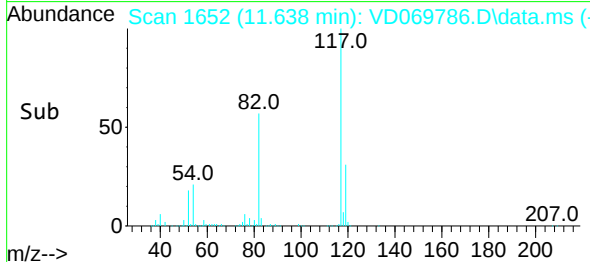
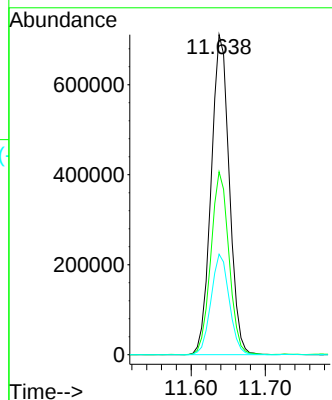
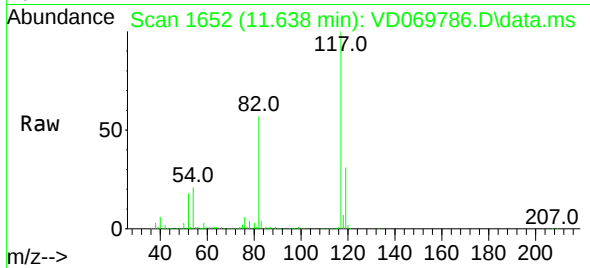




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069786.D
Acq: 21 Jul 2021 12:55

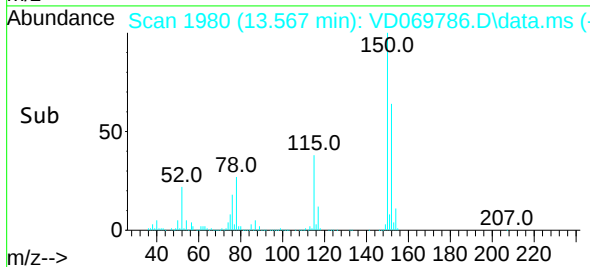
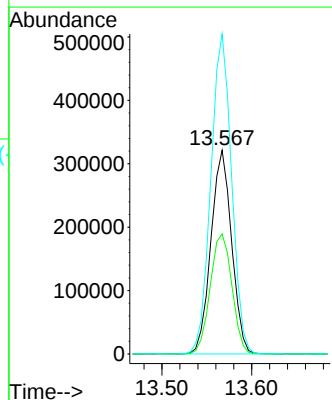
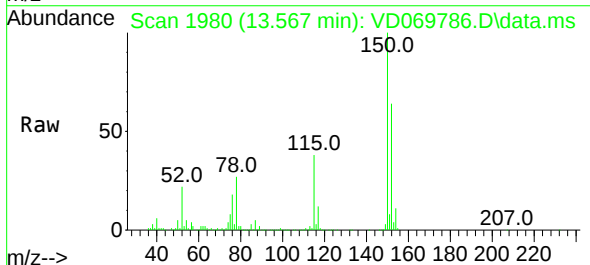
Instrument :
MSVOA_D
ClientSampleId :

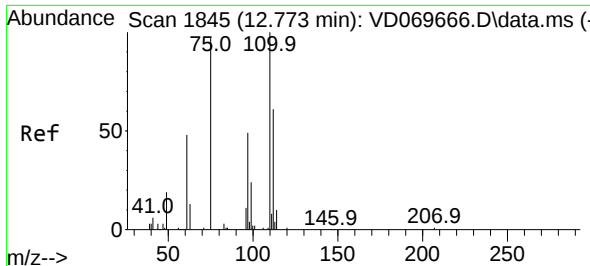
Tgt Ion:117 Resp: 1208546
Ion Ratio Lower Upper
117 100
82 57.1 47.4 71.2
119 31.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069786.D
Acq: 21 Jul 2021 12:55

Tgt Ion:152 Resp: 515430
Ion Ratio Lower Upper
152 100
115 61.6 31.7 95.1
150 157.1 0.0 350.4

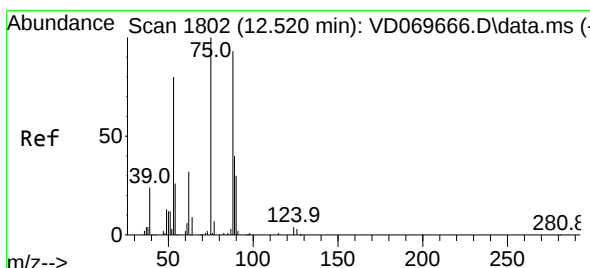
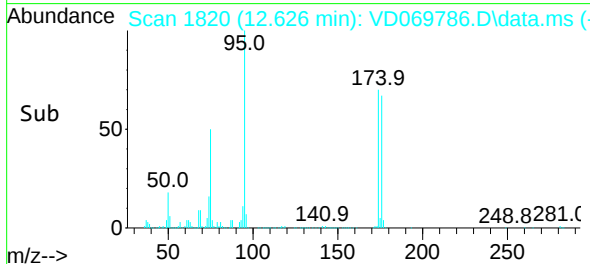
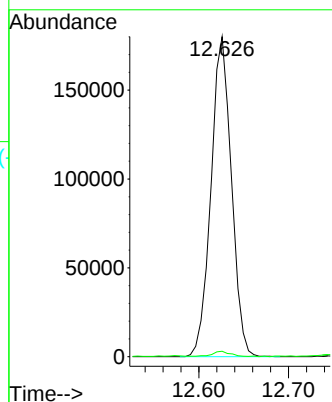
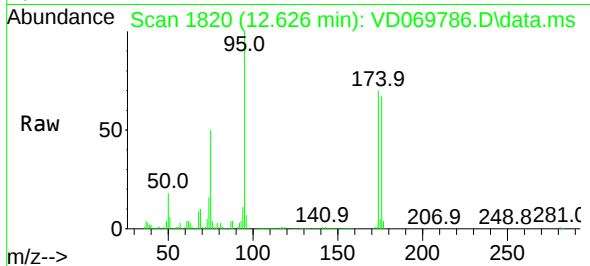




#76
1,2,3-Trichloropropane
Concen: 56.864 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069786.D
Acq: 21 Jul 2021 12:55

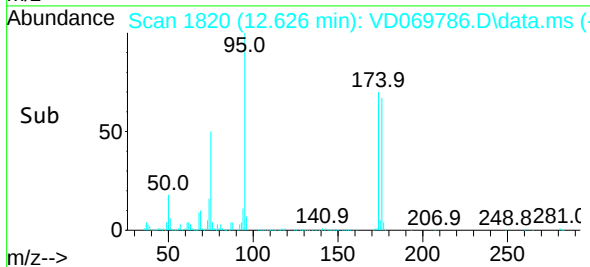
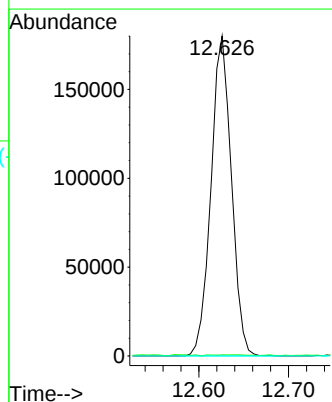
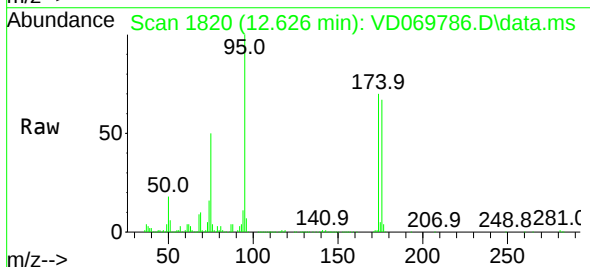
Instrument :
MSVOA_D
ClientSampleId :

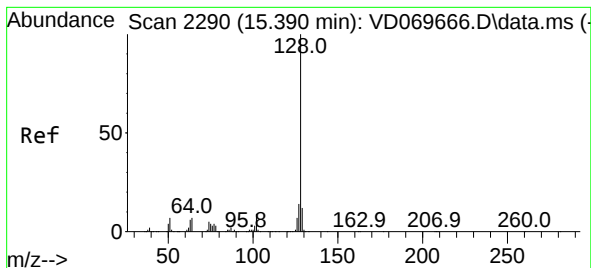
Tgt Ion: 75 Resp: 284733
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 152.820 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069786.D
Acq: 21 Jul 2021 12:55

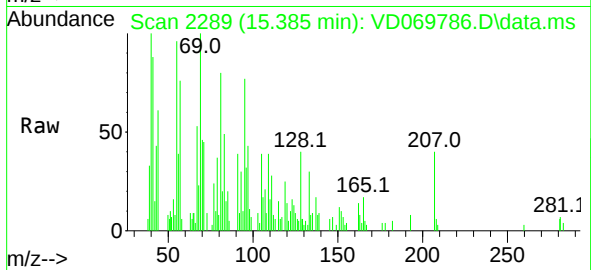
Tgt Ion: 75 Resp: 284733
Ion Ratio Lower Upper
75 100
53 0.2 70.6 106.0#
89 0.0 35.1 52.7#





#95
Naphthalene
Concen: 2.454 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069786.D
Acq: 21 Jul 2021 12:55

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 4250
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 33.2 8.8 13.2#

