

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071421\
 Data File : VD069693.D
 Acq On : 14 Jul 2021 17:40
 Operator : VA/SY
 Sample : M3014-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 15 03:31:37 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)

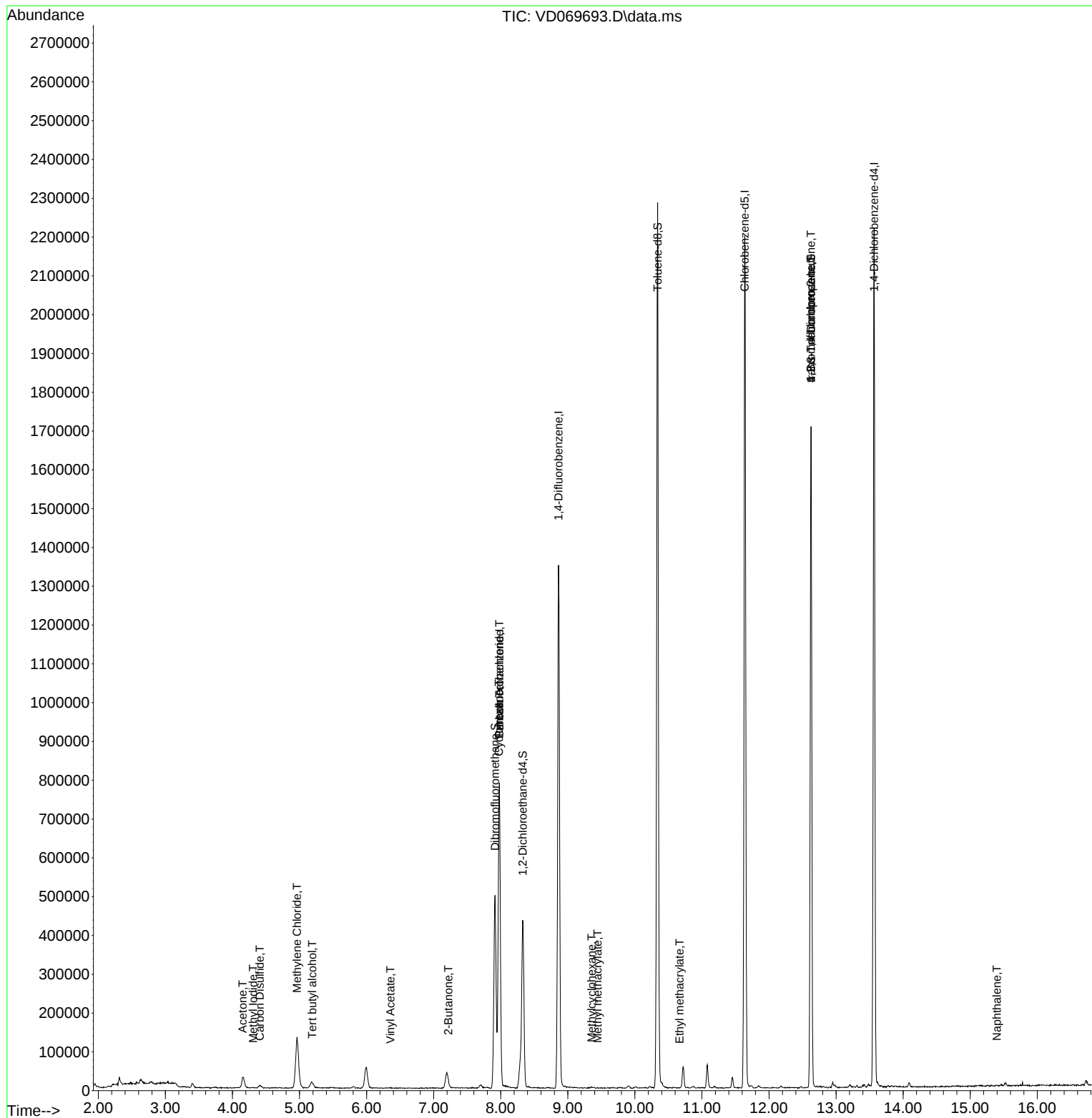
Internal Standards						
1) Pentafluorobenzene	7.979	168	543898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1136857	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1268242	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	574923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	341718	50.317	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.640%	
35) Dibromofluoromethane	7.914	113	363744	47.692	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.380%	
50) Toluene-d8	10.338	98	1519247	51.273	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.540%	
62) 4-Bromofluorobenzene	12.626	95	591989	59.905	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 119.800%	
Target Compounds						Qvalue
3) Chloromethane	2.203	50	1991	Below Cal	#	76
5) Bromomethane	2.779	94	2868	Below Cal		92
10) Methyl Iodide	4.309	142	1660	2.702	ug/l #	90
11) Tert butyl alcohol	5.191	59	13984	15.412	ug/l #	81
16) Acetone	4.150	43	50050	45.096	ug/l	99
17) Carbon Disulfide	4.409	76	12562	1.030	ug/l	99
18) Methyl Acetate	4.720	43	311	Below Cal	#	49
20) Methylene Chloride	4.962	84	101737	6.222	ug/l	93
23) Vinyl Acetate	6.356	43	273	15.449	ug/l #	72
25) 2-Butanone	7.220	43	6798	4.235	ug/l #	70
31) Cyclohexane	7.973	56	13276	1.544	ug/l #	1
38) Carbon Tetrachloride	7.979	117	59647	5.554	ug/l #	19
39) Methylcyclohexane	9.356	83	1074	2.032	ug/l #	86
48) Methyl methacrylate	9.444	41	90	1.123	ug/l #	13
56) Ethyl methacrylate	10.667	69	117	1.679	ug/l #	73
76) 1,2,3-Trichloropropane	12.626	75	288188	51.598	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	288188	138.668	ug/l #	14
95) Naphthalene	15.396	128	1058	2.261	ug/l #	76

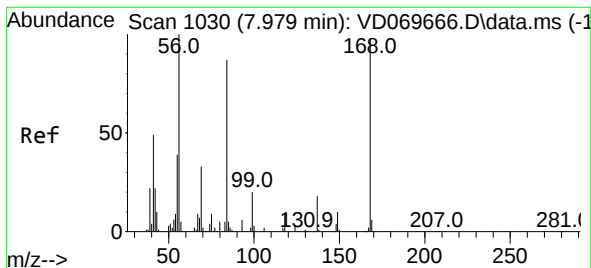
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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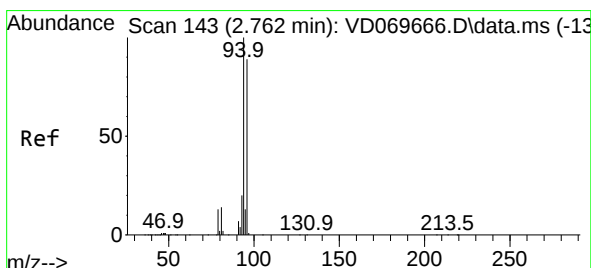
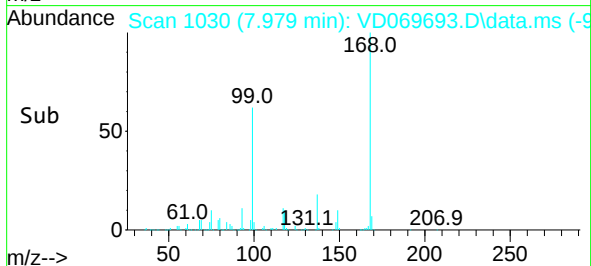
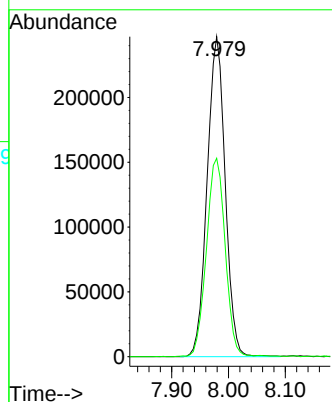
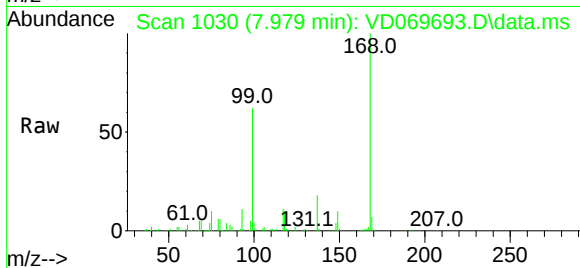




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069693.D
Acq: 14 Jul 2021 17:40

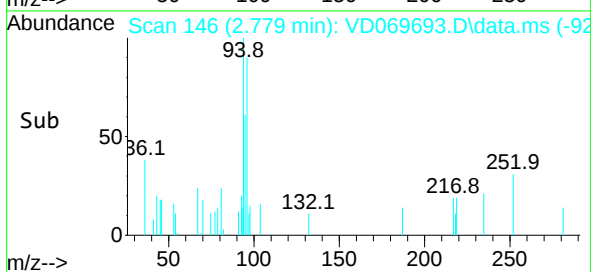
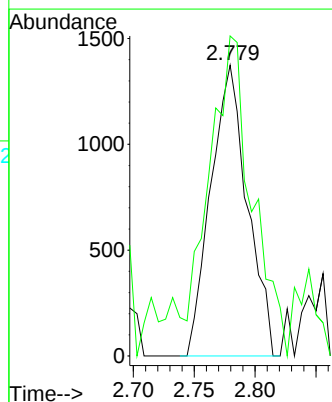
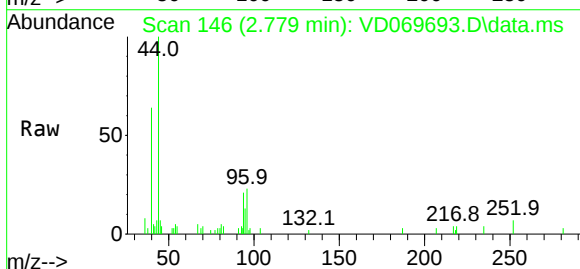
Instrument :
MSVOA_D
ClientSampleId :

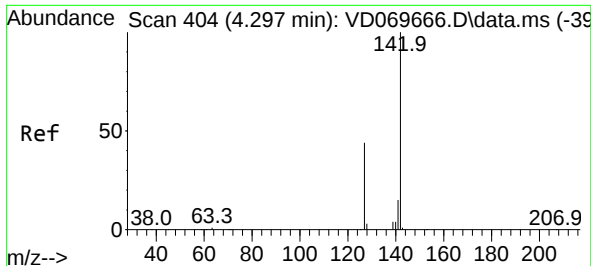
Tgt Ion:168 Resp: 543898
Ion Ratio Lower Upper
168 100
99 61.9 51.8 77.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069693.D
Acq: 14 Jul 2021 17:40

Tgt Ion: 94 Resp: 2868
Ion Ratio Lower Upper
94 100
96 96.8 71.2 106.8

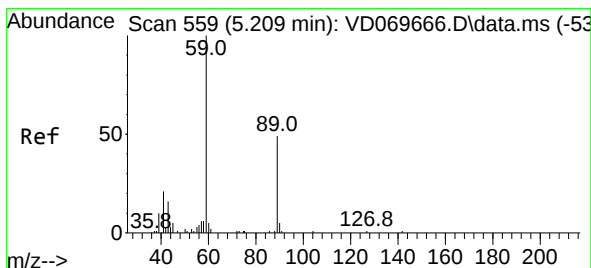
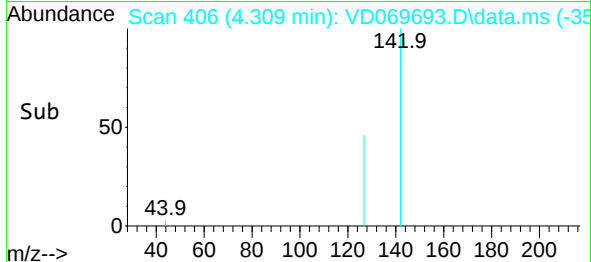
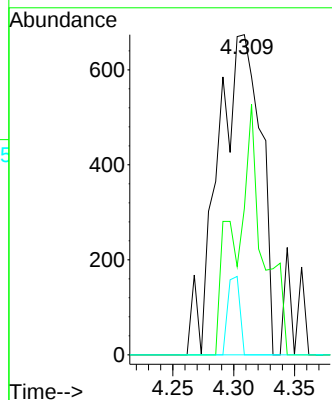
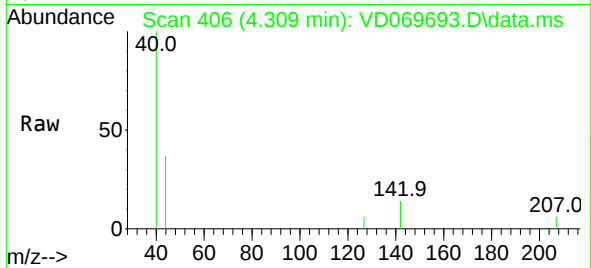




#10
Methyl Iodide
Concen: 2.702 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD069693.D
Acq: 14 Jul 2021 17:40

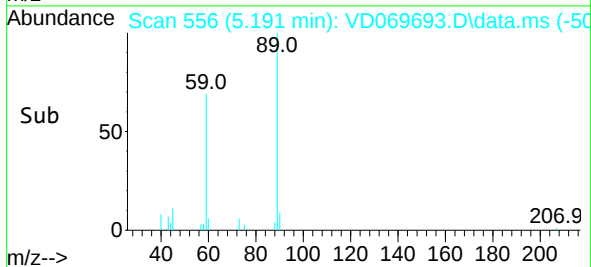
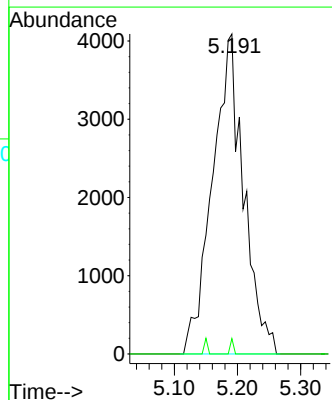
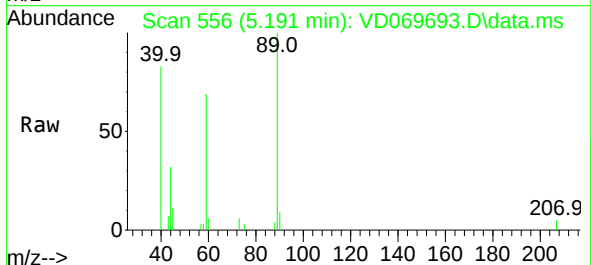
Instrument :
MSVOA_D
ClientSampleId :

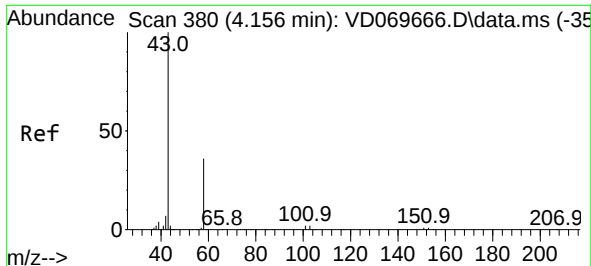
Tgt Ion:142 Resp: 1660
Ion Ratio Lower Upper
142 100
127 50.1 36.1 54.1
141 6.9 11.6 17.4#



#11
Tert butyl alcohol
Concen: 15.412 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.018 min
Lab File: VD069693.D
Acq: 14 Jul 2021 17:40

Tgt Ion: 59 Resp: 13984
Ion Ratio Lower Upper
59 100
57 0.5 5.7 8.5#

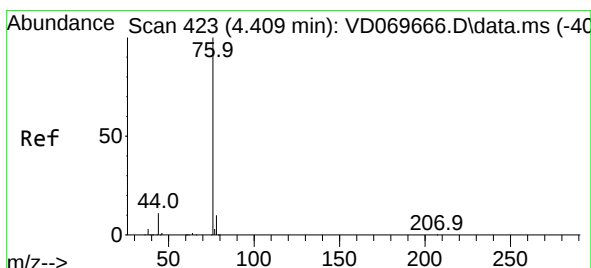
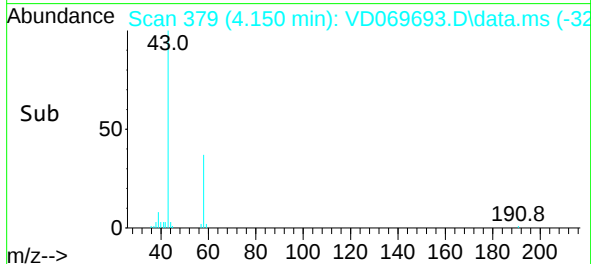
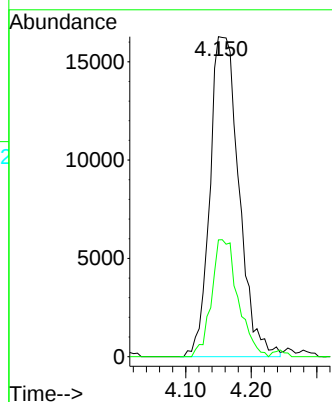
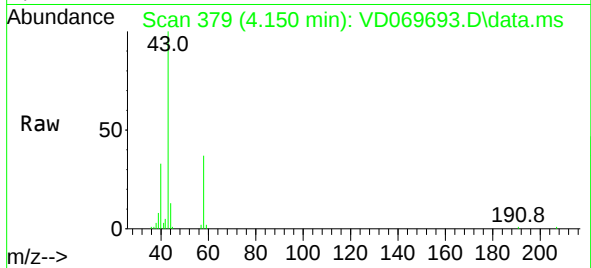




#16
Acetone
Concen: 45.096 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD069693.D
Acq: 14 Jul 2021 17:40

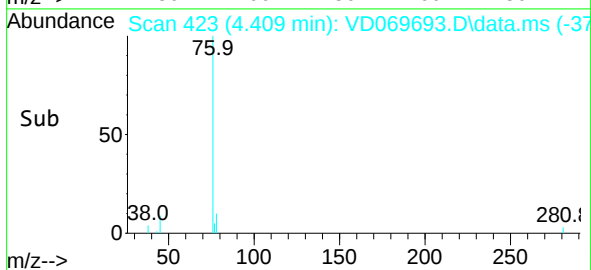
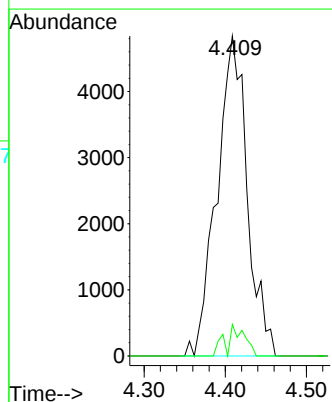
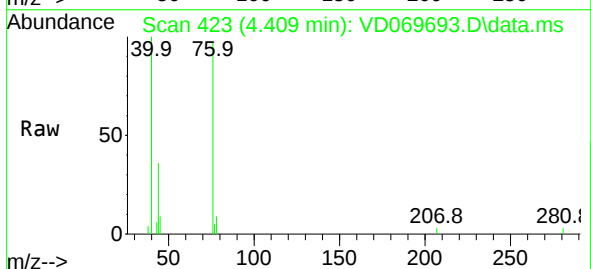
Instrument :
MSVOA_D
ClientSampled :

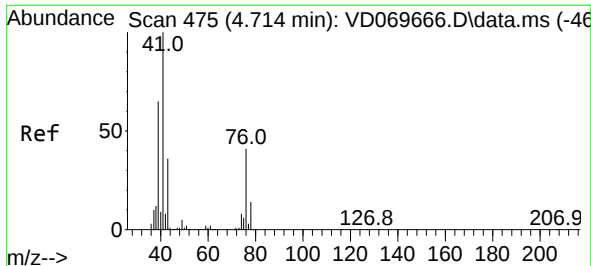
Tgt Ion: 43 Resp: 50050
Ion Ratio Lower Upper
43 100
58 36.5 28.6 42.8



#17
Carbon Disulfide
Concen: 1.030 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069693.D
Acq: 14 Jul 2021 17:40

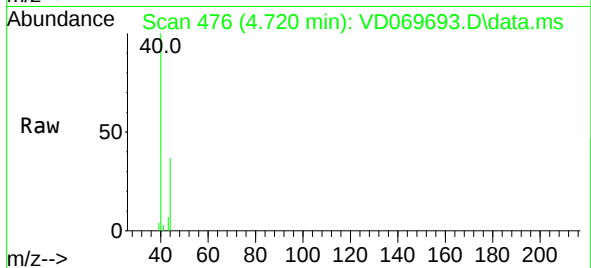
Tgt Ion: 76 Resp: 12562
Ion Ratio Lower Upper
76 100
78 9.8 7.6 11.4



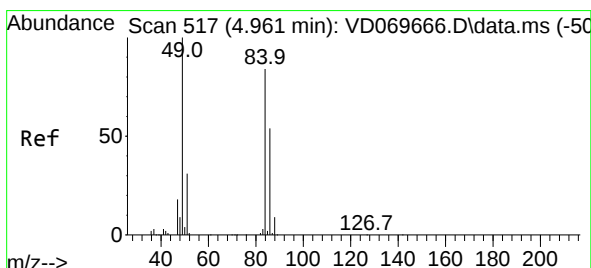
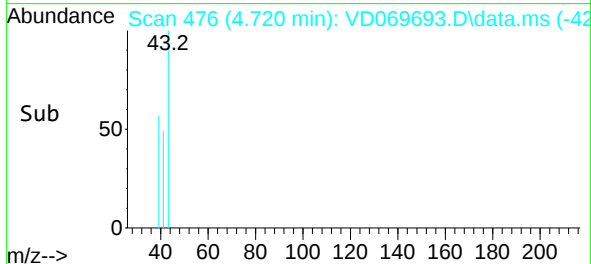
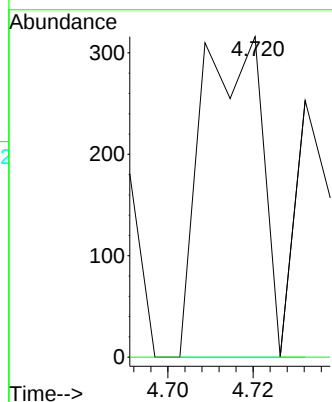


#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 476
Delta R.T. 0.006 min
Lab File: VD069693.D
Acq: 14 Jul 2021 17:40

Instrument :
MSVOA_D
ClientSampled :

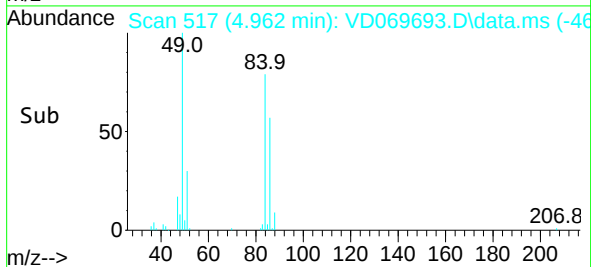
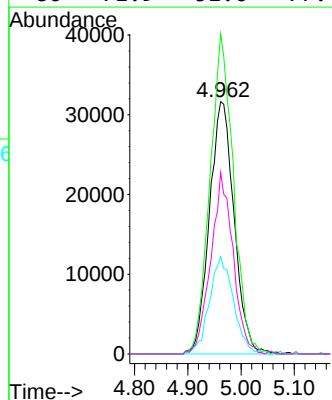
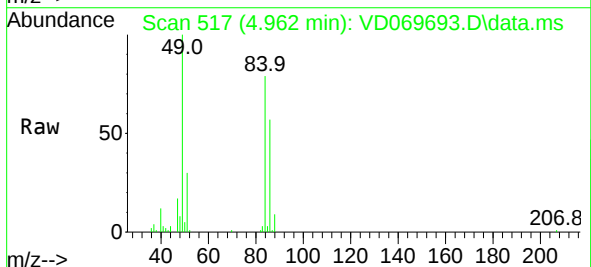


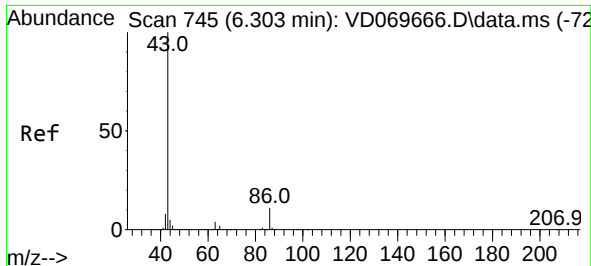
Tgt Ion: 43 Resp: 311
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#20
Methylene Chloride
Concen: 6.222 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.001 min
Lab File: VD069693.D
Acq: 14 Jul 2021 17:40

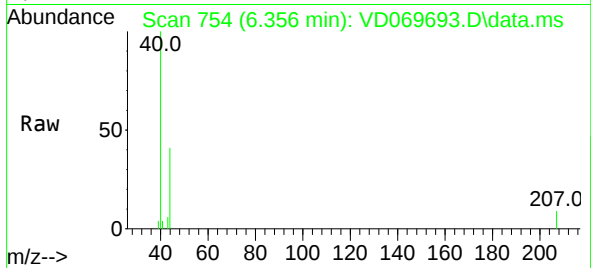
Tgt Ion: 84 Resp: 101737
Ion Ratio Lower Upper
84 100
49 126.8 95.5 143.3
51 38.6 29.7 44.5
86 71.9 51.6 77.4



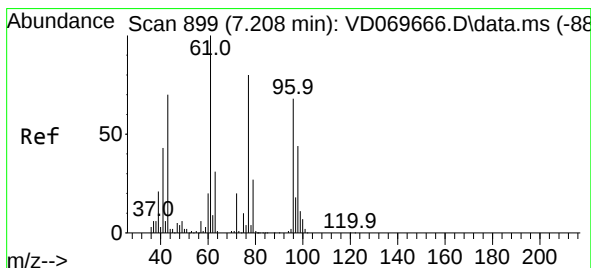
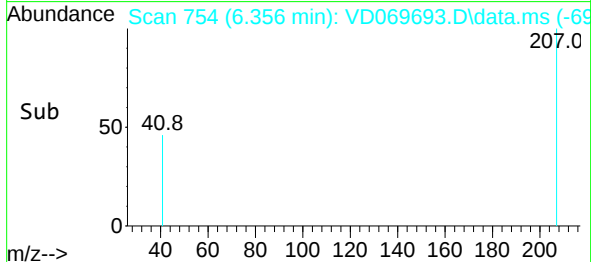
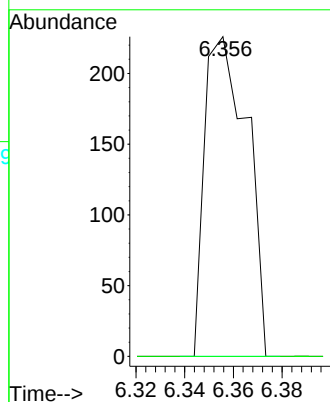


#23
 Vinyl Acetate
 Concen: 15.449 ug/l
 RT: 6.356 min Scan# 754
 Delta R.T. 0.053 min
 Lab File: VD069693.D
 Acq: 14 Jul 2021 17:40

Instrument :
 MSVOA_D
 ClientSampled :

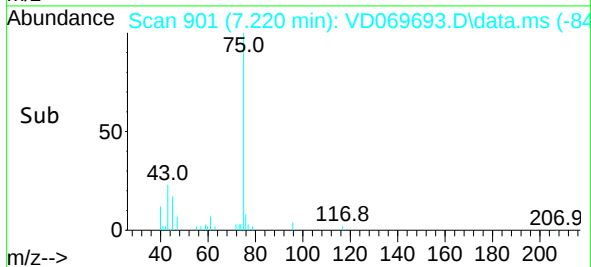
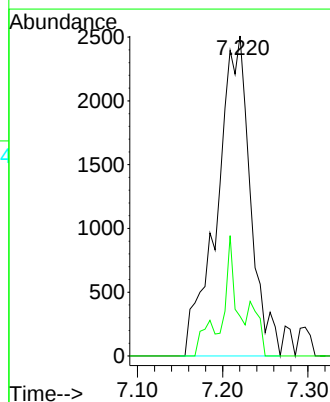
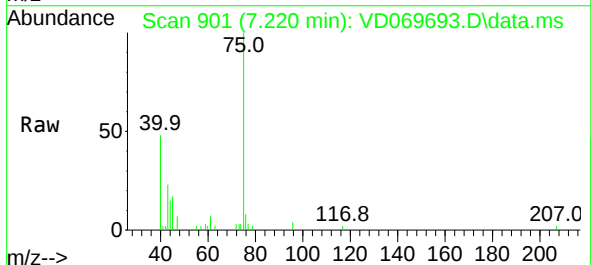


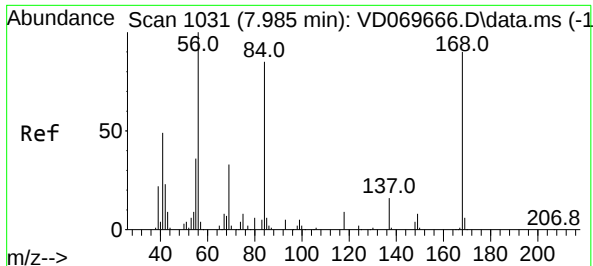
Tgt Ion: 43 Resp: 273
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#25
 2-Butanone
 Concen: 4.235 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.012 min
 Lab File: VD069693.D
 Acq: 14 Jul 2021 17:40

Tgt Ion: 43 Resp: 6798
 Ion Ratio Lower Upper
 43 100
 72 12.4 22.6 33.8#

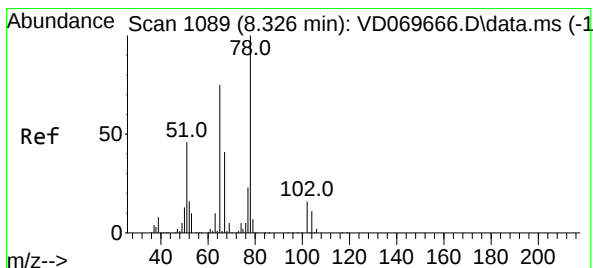
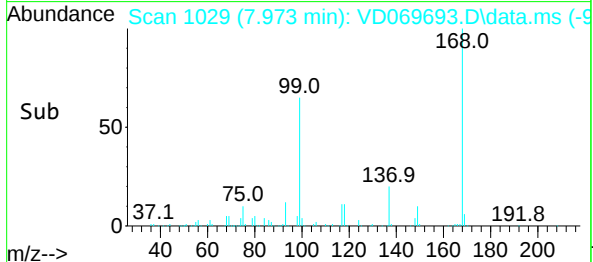
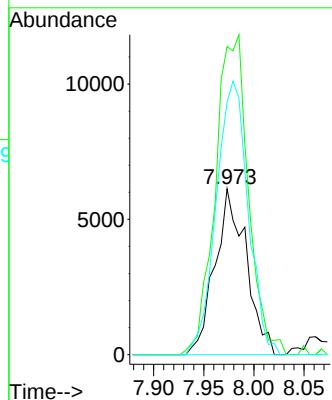
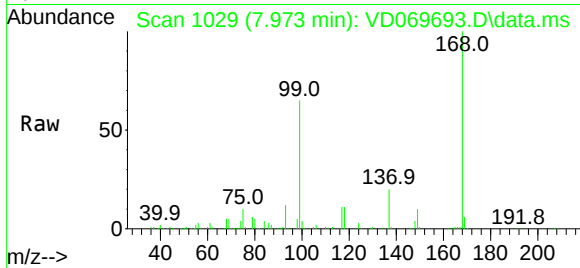




#31
Cyclohexane
Concen: 1.544 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069693.D
Acq: 14 Jul 2021 17:40

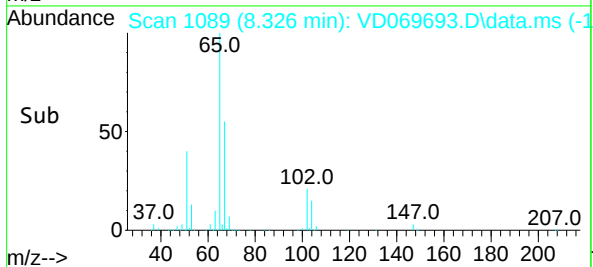
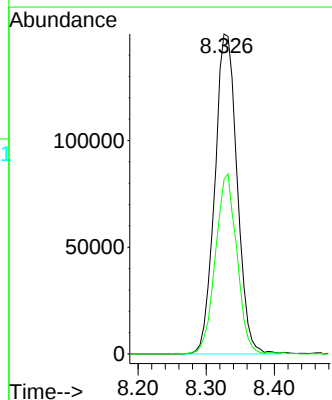
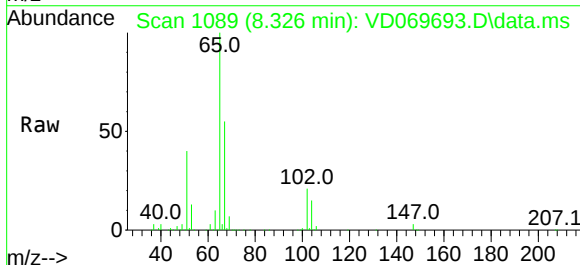
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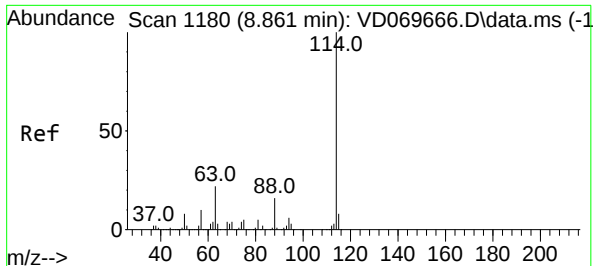
Tgt Ion: 56 Resp: 13276
Ion Ratio Lower Upper
56 100
69 185.7 26.6 39.8#
84 152.1 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 50.317 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069693.D
Acq: 14 Jul 2021 17:40

Tgt Ion: 65 Resp: 341718
Ion Ratio Lower Upper
65 100
67 54.0 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: VD069693.D

Acq: 14 Jul 2021 17:40

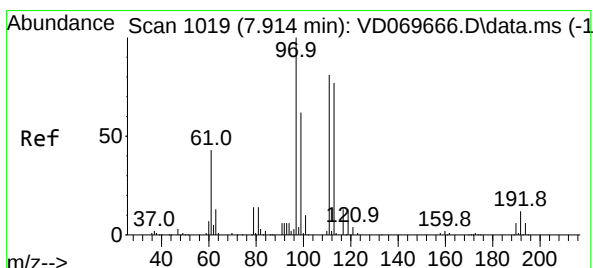
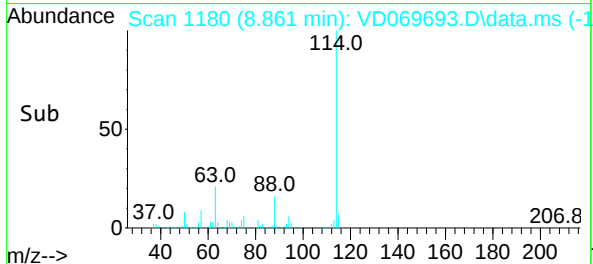
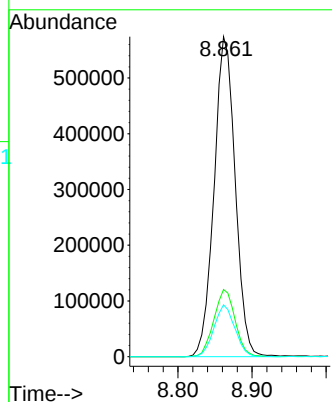
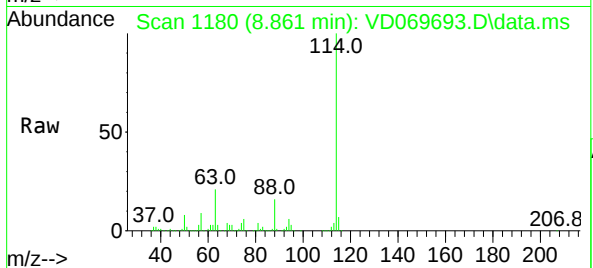
Tgt Ion:114 Resp: 1136857

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.4

88 16.2 0.0 32.0



#35

Dibromofluoromethane

Concen: 47.692 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069693.D

Acq: 14 Jul 2021 17:40

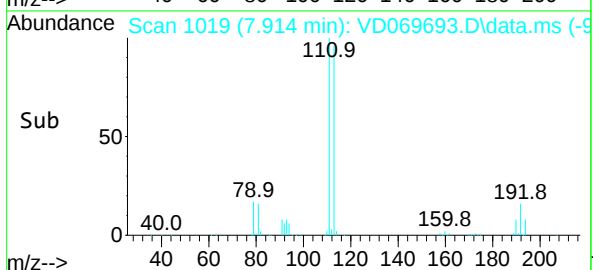
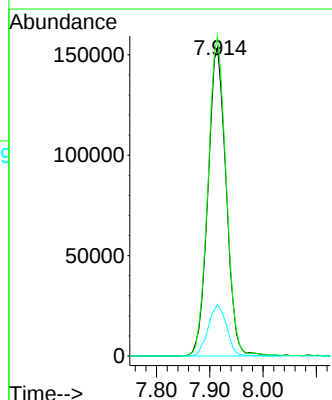
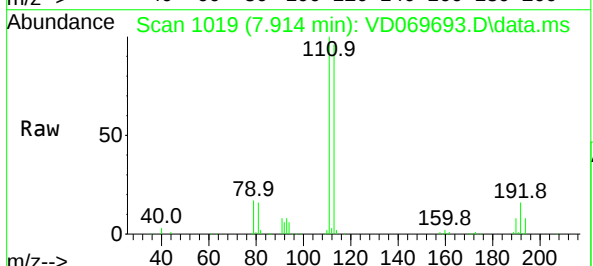
Tgt Ion:113 Resp: 363744

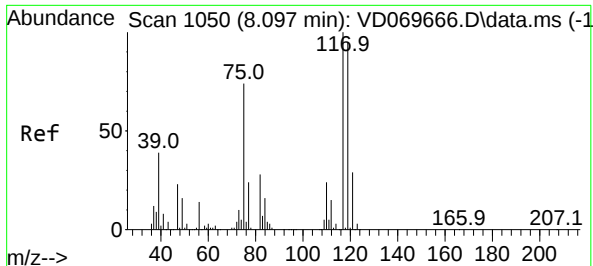
Ion Ratio Lower Upper

113 100

111 104.1 82.6 123.8

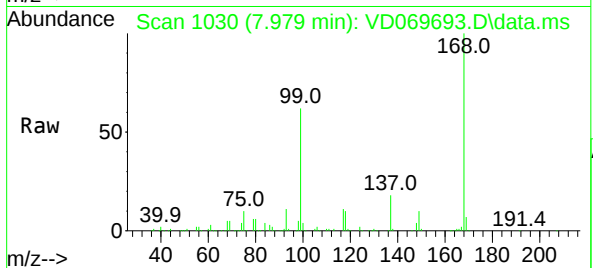
192 16.8 12.7 19.1



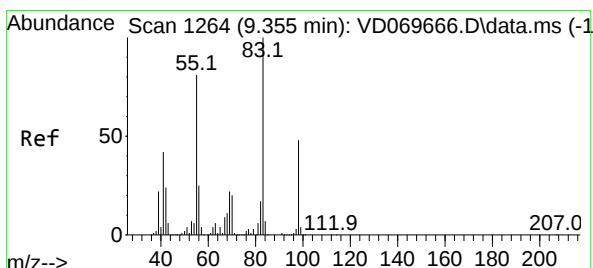
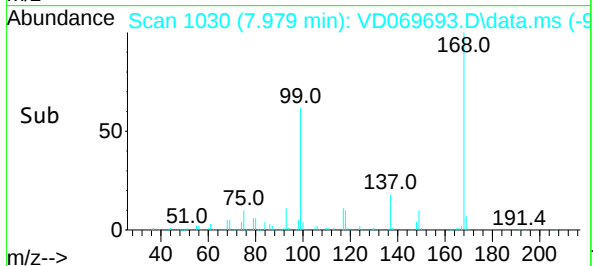
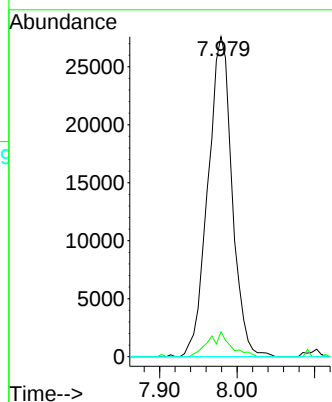


#38
Carbon Tetrachloride
Concen: 5.554 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069693.D
Acq: 14 Jul 2021 17:40

Instrument :
MSVOA_D
ClientSampleId :

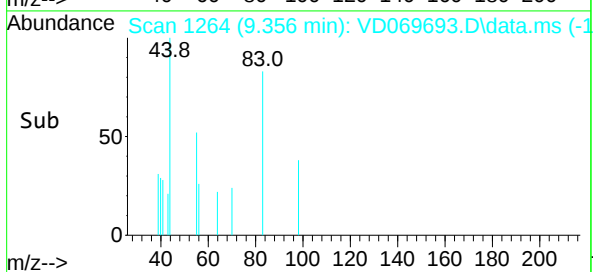
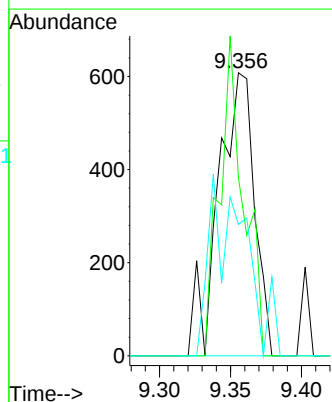
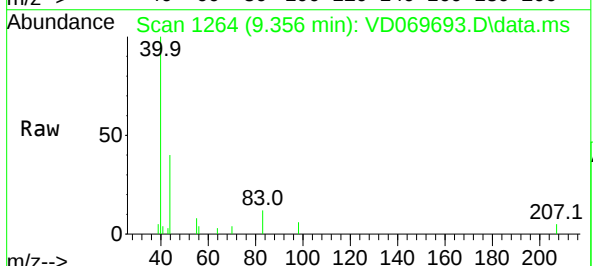


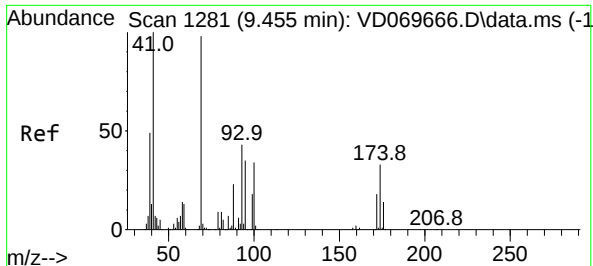
Tgt Ion:117 Resp: 59647
Ion Ratio Lower Upper
117 100
119 7.8 75.7 113.5#
121 0.0 23.0 34.6#



#39
Methylcyclohexane
Concen: 2.032 ug/l
RT: 9.356 min Scan# 1264
Delta R.T. 0.001 min
Lab File: VD069693.D
Acq: 14 Jul 2021 17:40

Tgt Ion: 83 Resp: 1074
Ion Ratio Lower Upper
83 100
55 62.8 64.6 97.0#
98 46.4 38.4 57.6





#48

Methyl methacrylate

Concen: 1.123 ug/l

RT: 9.444 min Scan# 1279

Delta R.T. -0.011 min

Lab File: VD069693.D

Acq: 14 Jul 2021 17:40

Tgt Ion: 41 Resp: 90

Ion Ratio Lower Upper

41 100

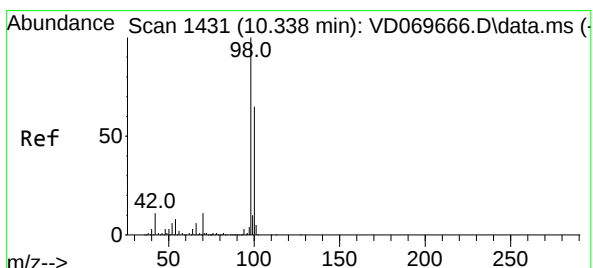
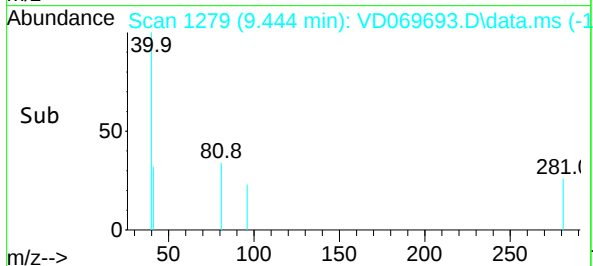
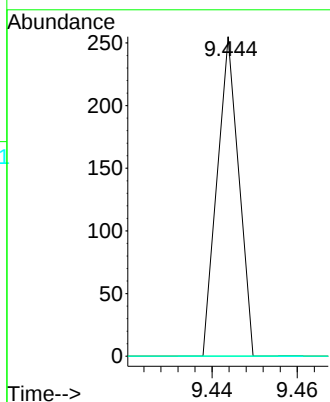
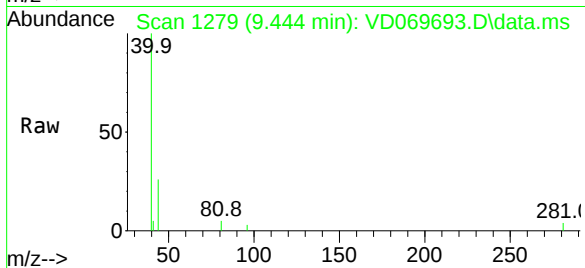
69 0.0 71.6 107.4#

39 0.0 36.7 55.1#

Instrument :

MSVOA_D

ClientSampleId :



#50

Toluene-d8

Concen: 51.273 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD069693.D

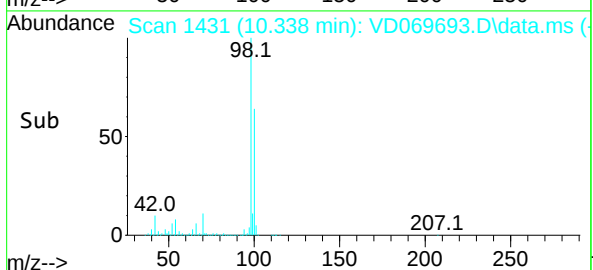
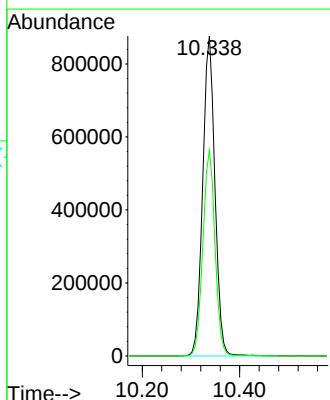
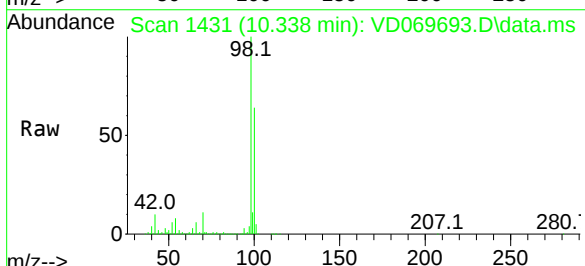
Acq: 14 Jul 2021 17:40

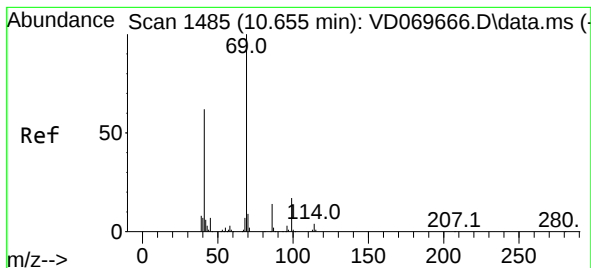
Tgt Ion: 98 Resp: 1519247

Ion Ratio Lower Upper

98 100

100 64.1 52.2 78.2

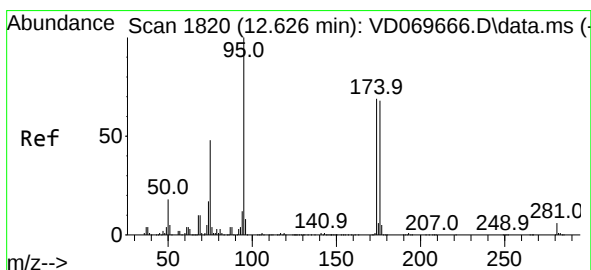
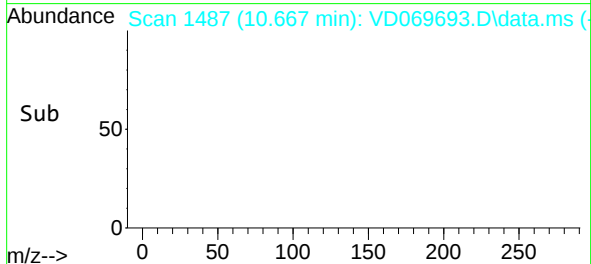
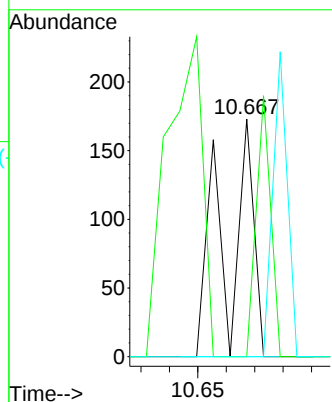
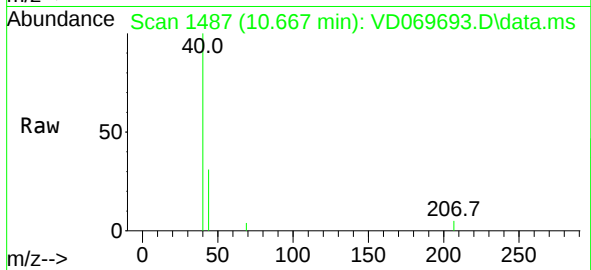




#56
Ethyl methacrylate
Concen: 1.679 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD069693.D
Acq: 14 Jul 2021 17:40

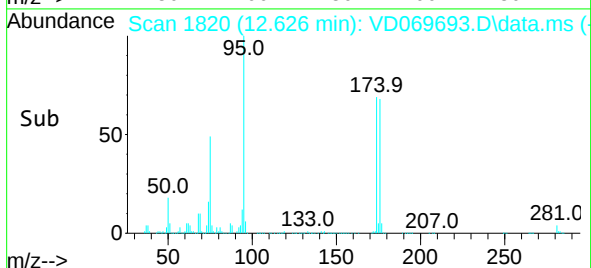
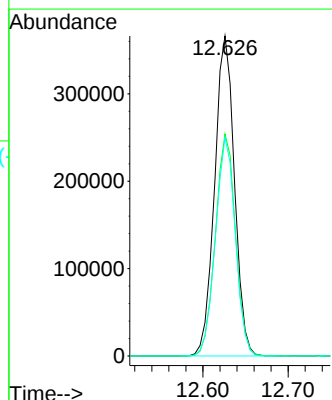
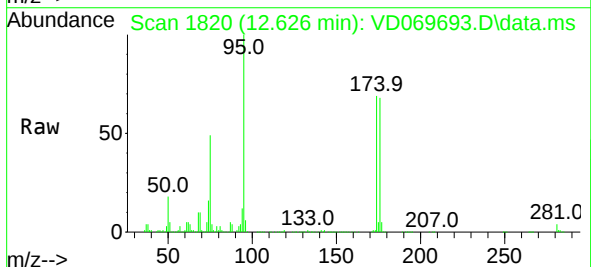
Instrument :
MSVOA_D
ClientSampleId :

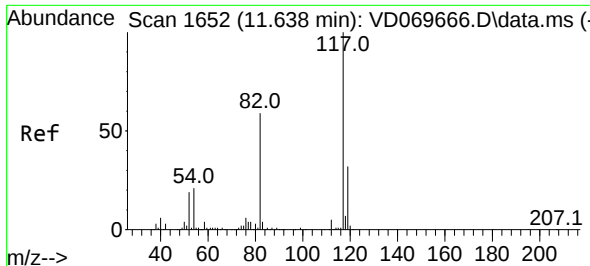
Tgt Ion: 69 Resp: 117
Ion Ratio Lower Upper
69 100
41 57.3 49.5 74.3
39 66.7 22.5 33.7#



#62
4-Bromofluorobenzene
Concen: 59.905 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069693.D
Acq: 14 Jul 2021 17:40

Tgt Ion: 95 Resp: 591989
Ion Ratio Lower Upper
95 100
174 70.2 0.0 140.0
176 68.1 0.0 136.2

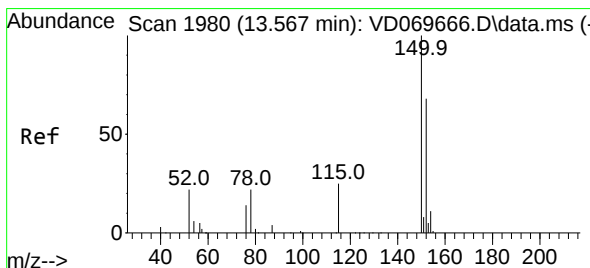
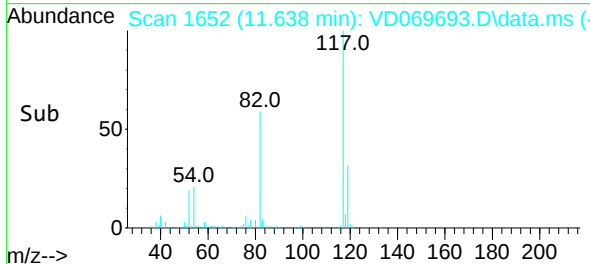
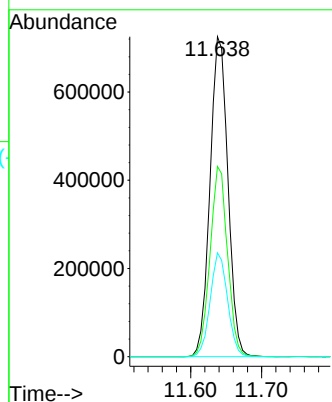
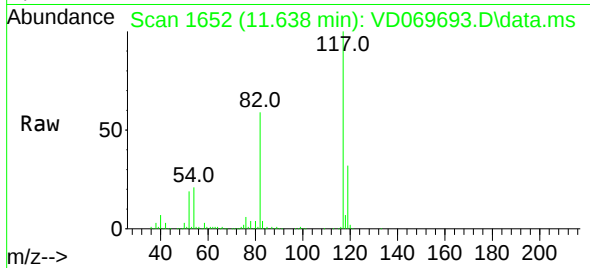




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069693.D
Acq: 14 Jul 2021 17:40

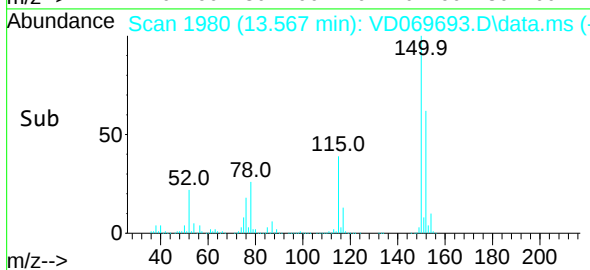
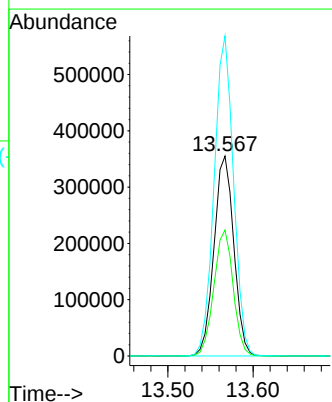
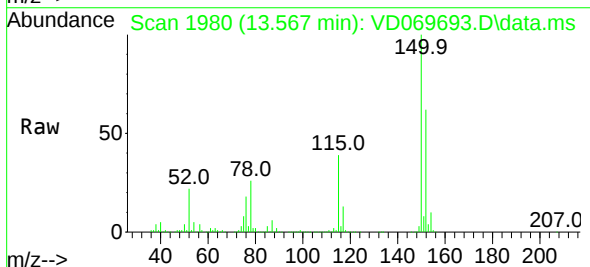
Instrument :
MSVOA_D
ClientSampleId :

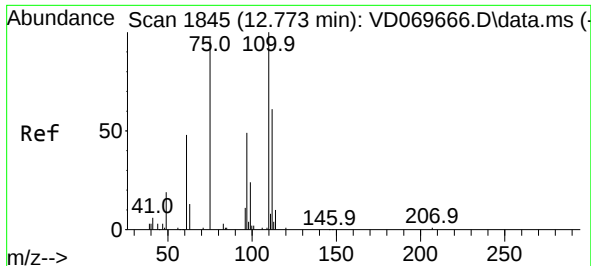
Tgt Ion:117 Resp: 1268242
Ion Ratio Lower Upper
117 100
82 59.5 47.4 71.2
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069693.D
Acq: 14 Jul 2021 17:40

Tgt Ion:152 Resp: 574923
Ion Ratio Lower Upper
152 100
115 61.4 31.7 95.1
150 156.4 0.0 350.4

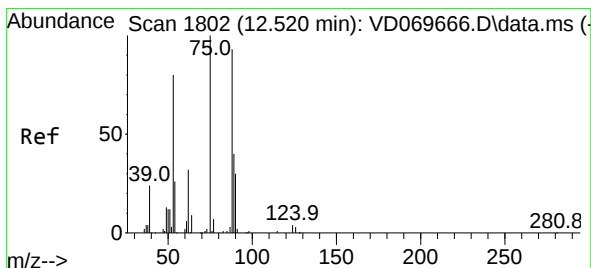
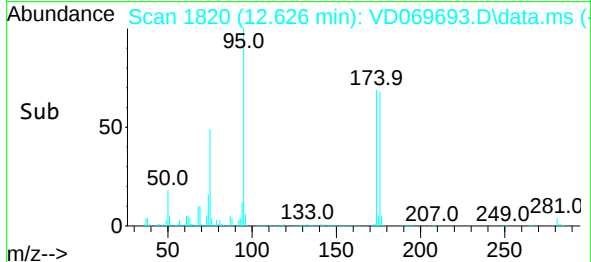
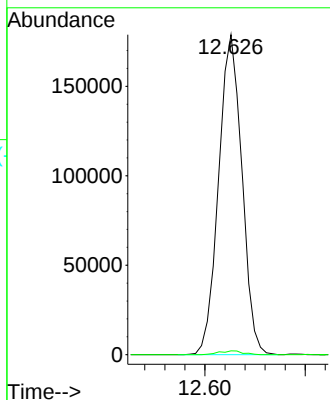
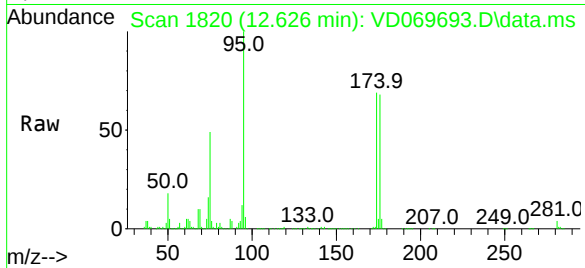




#76
1,2,3-Trichloropropane
Concen: 51.598 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069693.D
Acq: 14 Jul 2021 17:40

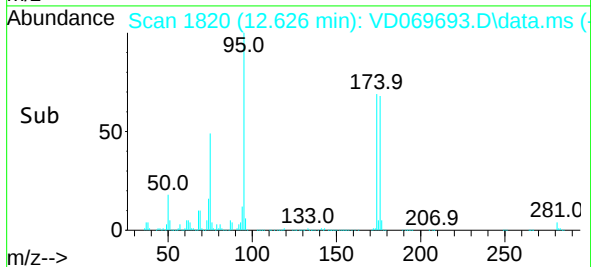
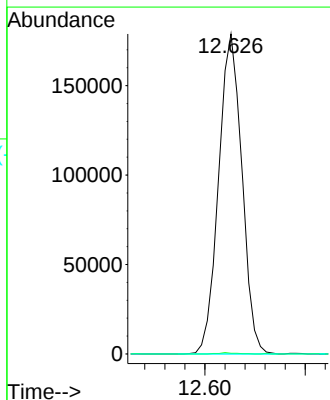
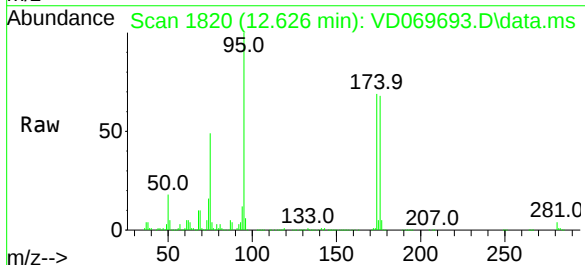
Instrument :
MSVOA_D
ClientSampleId :

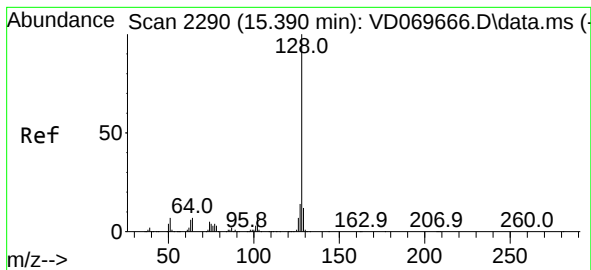
Tgt Ion: 75 Resp: 288188
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 138.668 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069693.D
Acq: 14 Jul 2021 17:40

Tgt Ion: 75 Resp: 288188
Ion Ratio Lower Upper
75 100
53 0.3 70.6 106.0#
89 0.0 35.1 52.7#





#95
Naphthalene
Concen: 2.261 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069693.D
Acq: 14 Jul 2021 17:40

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 1058
Ion Ratio Lower Upper
128 100
127 5.7 10.6 16.0#
129 0.0 8.8 13.2#

