

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070821\
 Data File : VD069640.D
 Acq On : 08 Jul 2021 20:22
 Operator : VA/SY
 Sample : M2989-01
 Misc : 5.13G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 09 01:06:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

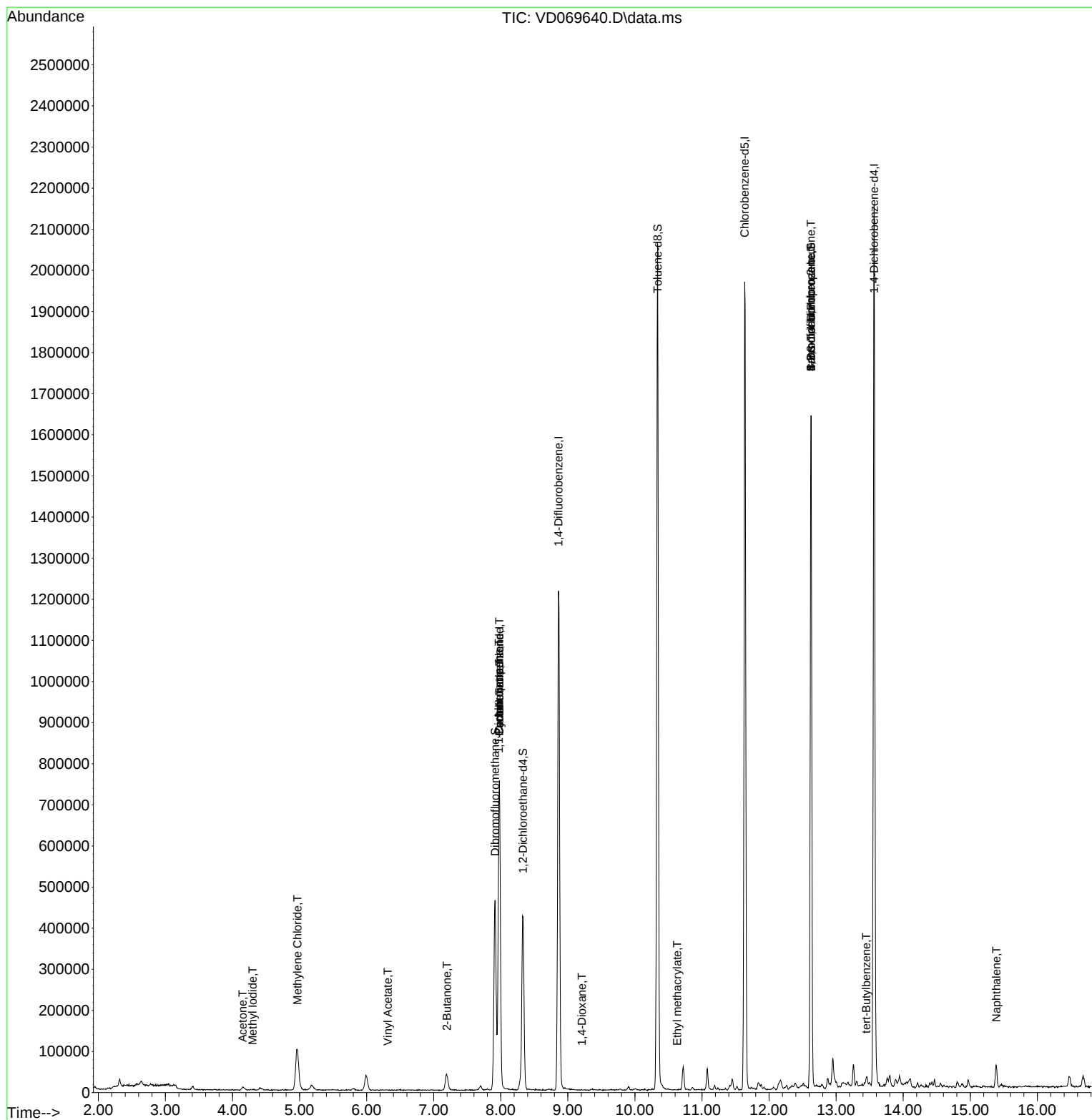
Internal Standards						
1) Pentafluorobenzene	7.979	168	533584	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1023454	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1154248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	552035	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	339959	51.114	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.220%	
35) Dibromofluoromethane	7.914	113	339776	49.112	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.220%	
50) Toluene-d8	10.338	98	1368236	52.725	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.460%	
62) 4-Bromofluorobenzene	12.626	95	544193	63.788	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 127.580%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	3092	Below Cal	#	79
10) Methyl Iodide	4.303	142	1319	4.158	ug/l #	66
11) Tert butyl alcohol	5.173	59	11515	Below Cal	#	83
16) Acetone	4.150	43	12482	11.150	ug/l	94
18) Methyl Acetate	4.732	43	127	Below Cal	#	49
20) Methylene Chloride	4.967	84	81883	5.858	ug/l	99
23) Vinyl Acetate	6.314	43	107	19.021	ug/l #	70
25) 2-Butanone	7.197	43	2235	1.571	ug/l #	44
31) Cyclohexane	7.979	56	12733	1.422	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	49800	4.958	ug/l #	50
38) Carbon Tetrachloride	7.979	117	56824	5.716	ug/l #	18
49) 1,4-Dioxane	9.208	88	69	1.799	ug/l #	23
56) Ethyl methacrylate	10.632	69	68	2.591	ug/l #	13
71) Bromoform	12.626	173	4784	1.131	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	270717	49.958	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	270717	124.737	ug/l #	12
83) tert-Butylbenzene	13.449	119	3385	2.106	ug/l	95
95) Naphthalene	15.390	128	45707	5.834	ug/l	99

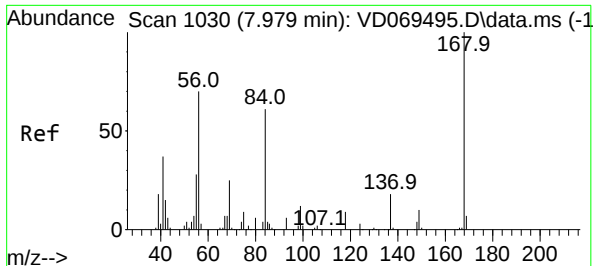
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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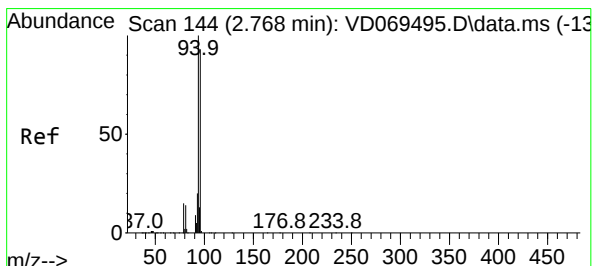
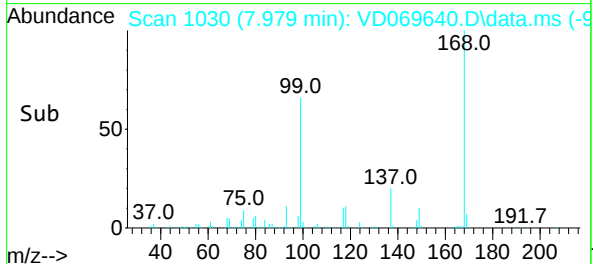
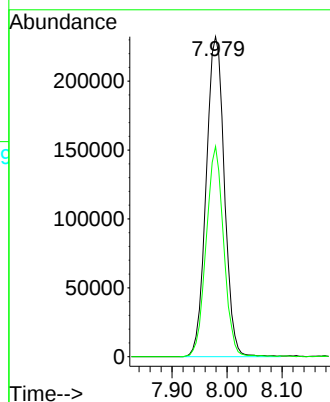
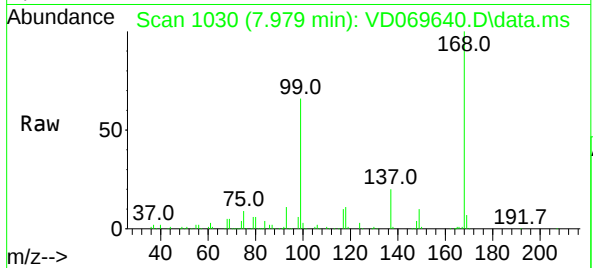




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069640.D
Acq: 08 Jul 2021 20:22

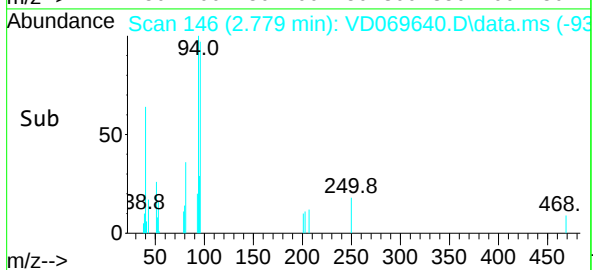
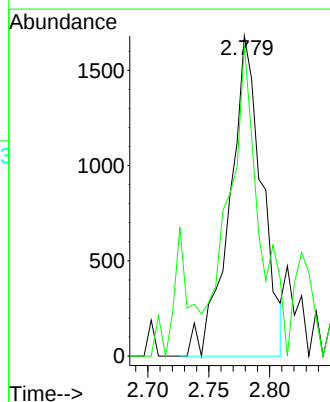
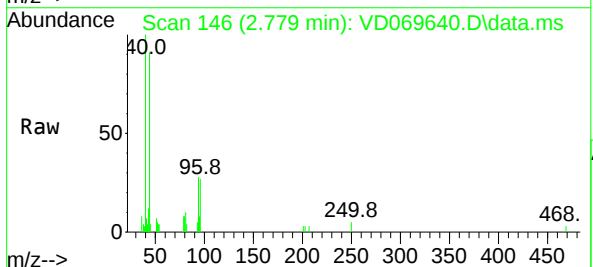
Instrument :
MSVOA_D
ClientSampleId :

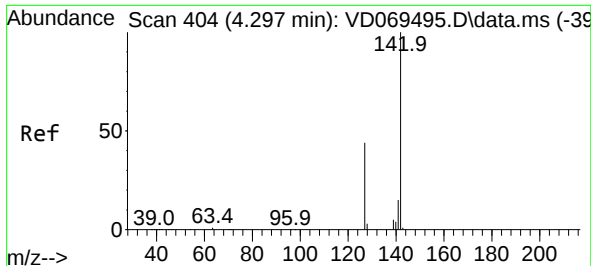
Tgt Ion:168 Resp: 533584
Ion Ratio Lower Upper
168 100
99 65.7 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD069640.D
Acq: 08 Jul 2021 20:22

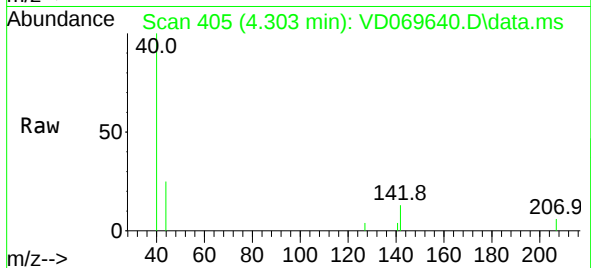
Tgt Ion: 94 Resp: 3092
Ion Ratio Lower Upper
94 100
96 72.9 74.6 111.8#



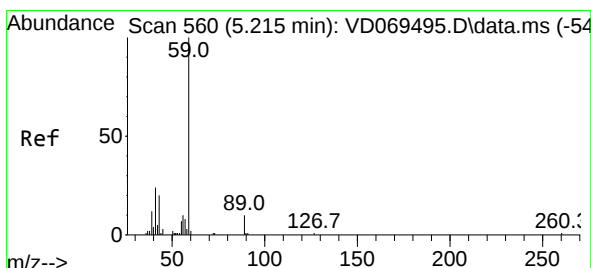
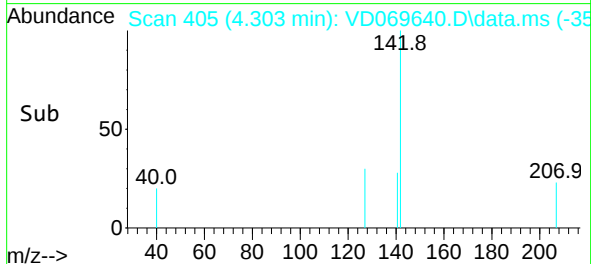
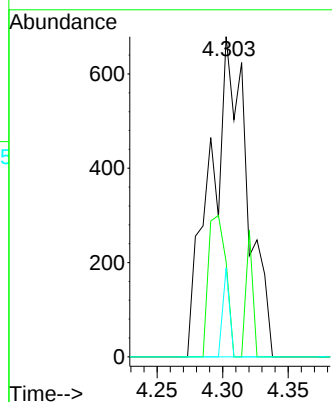


#10
Methyl Iodide
Concen: 4.158 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069640.D
Acq: 08 Jul 2021 20:22

Instrument :
MSVOA_D
ClientSampled :

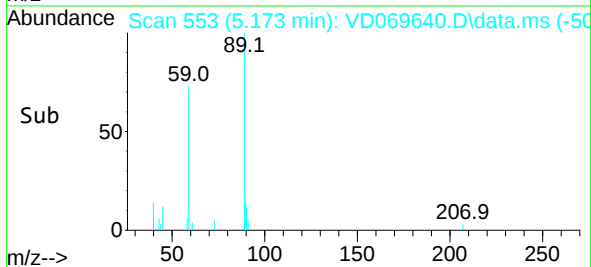
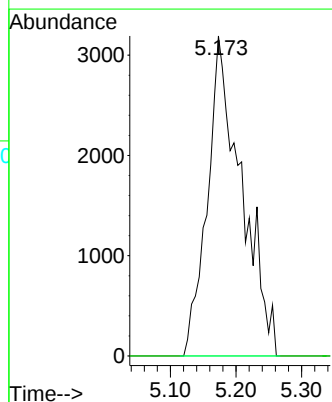
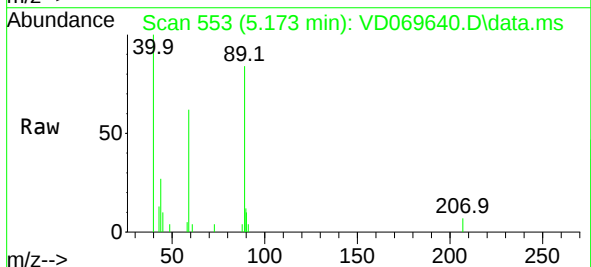


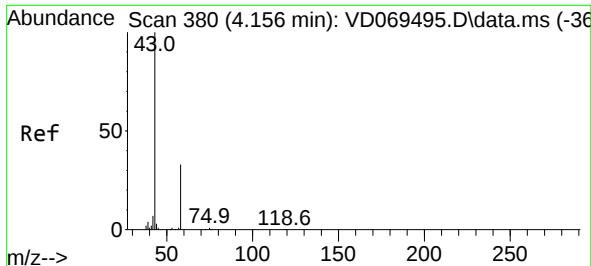
Tgt Ion:142 Resp: 1319
Ion Ratio Lower Upper
142 100
127 21.2 36.5 54.7#
141 5.1 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.173 min Scan# 553
Delta R.T. -0.042 min
Lab File: VD069640.D
Acq: 08 Jul 2021 20:22

Tgt Ion: 59 Resp: 11515
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

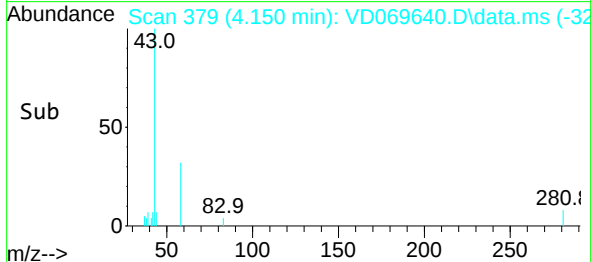
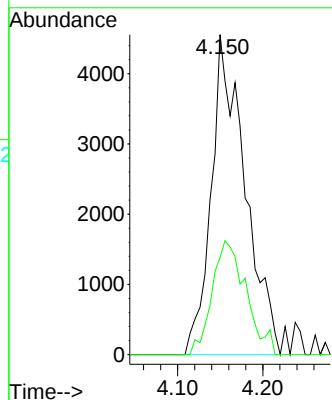
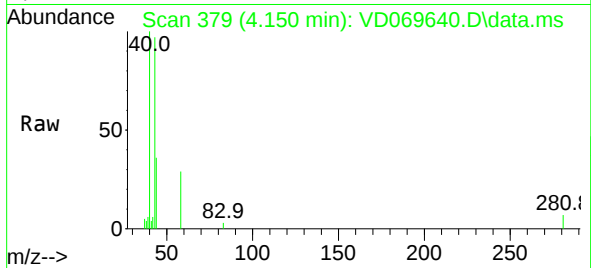




#16
Acetone
Concen: 11.150 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD069640.D
Acq: 08 Jul 2021 20:22

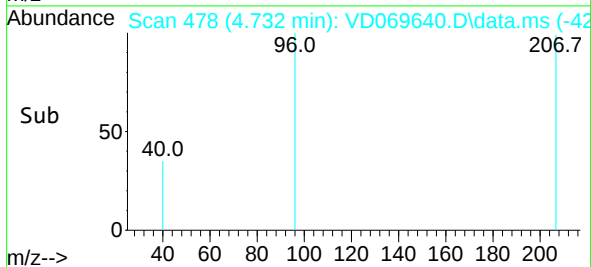
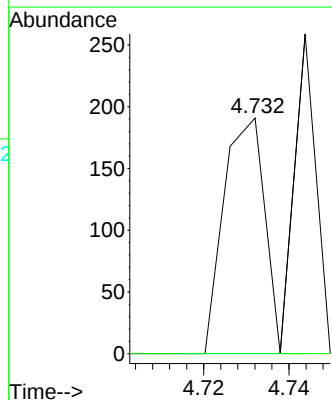
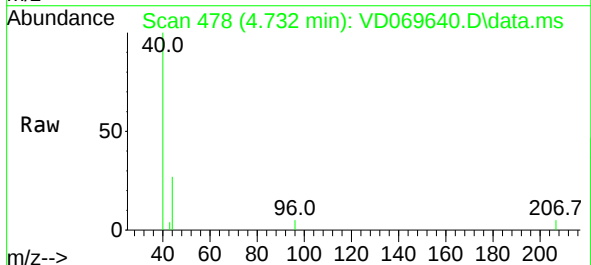
Instrument :
MSVOA_D
ClientSampleId :

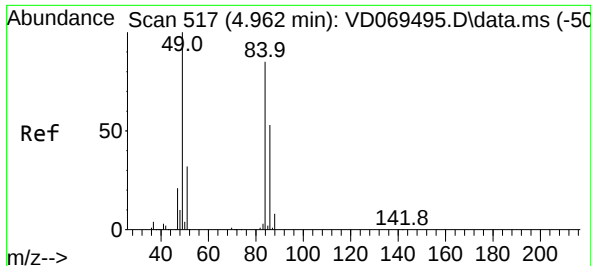
Tgt Ion: 43 Resp: 12482
Ion Ratio Lower Upper
43 100
58 30.3 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.732 min Scan# 478
Delta R.T. 0.012 min
Lab File: VD069640.D
Acq: 08 Jul 2021 20:22

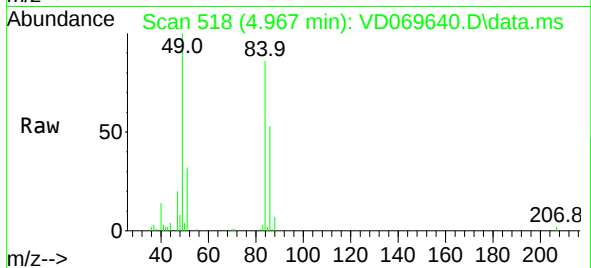
Tgt Ion: 43 Resp: 127
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



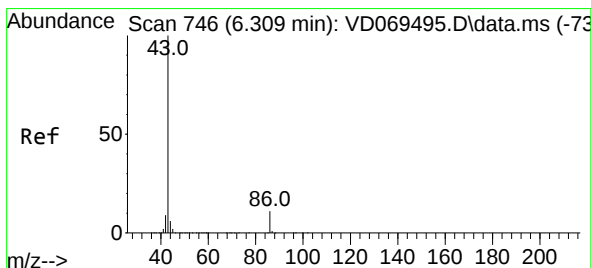
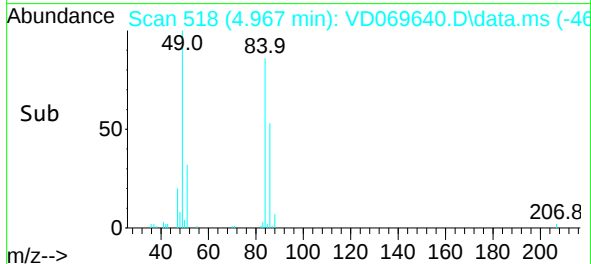
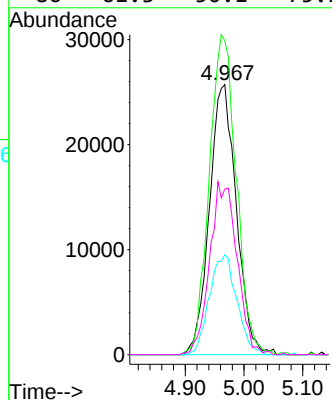


#20
Methylene Chloride
Concen: 5.858 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069640.D
Acq: 08 Jul 2021 20:22

Instrument :
MSVOA_D
ClientSampleId :

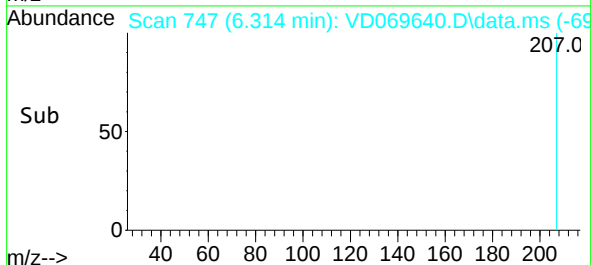
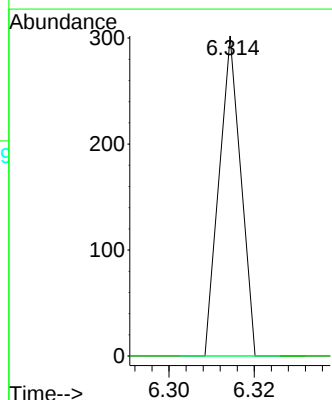
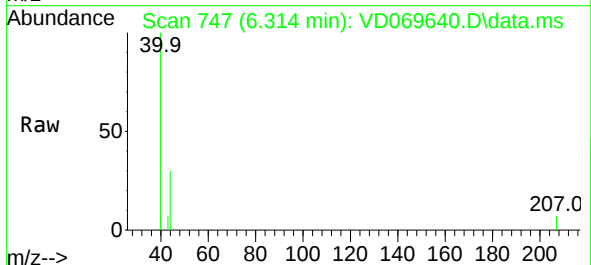


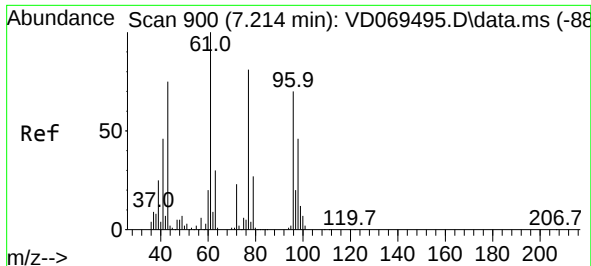
Tgt Ion:	84	Resp:	81883
Ion	Ratio	Lower	Upper
84	100		
49	116.2	94.0	141.0
51	37.1	29.7	44.5
86	61.3	50.1	75.1



#23
Vinyl Acetate
Concen: 19.021 ug/l
RT: 6.314 min Scan# 747
Delta R.T. 0.005 min
Lab File: VD069640.D
Acq: 08 Jul 2021 20:22

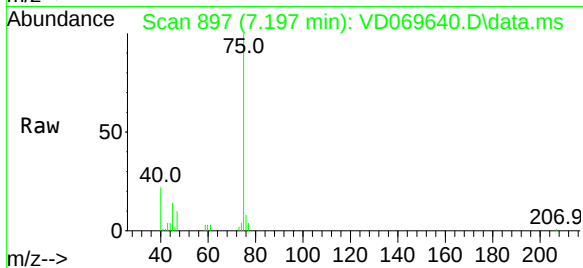
Tgt Ion:	43	Resp:	107
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#



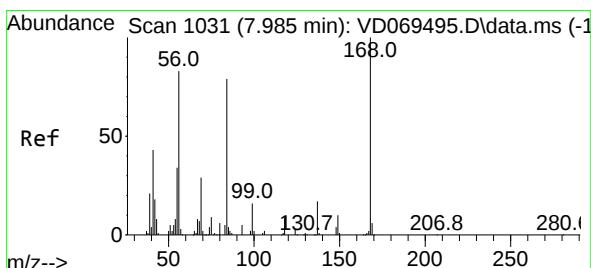
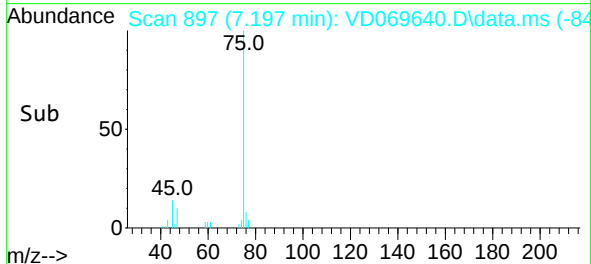
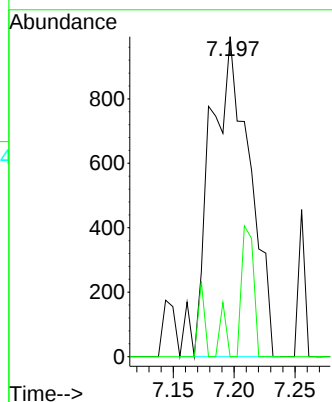


#25
2-Butanone
Concen: 1.571 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.018 min
Lab File: VD069640.D
Acq: 08 Jul 2021 20:22

Instrument :
MSVOA_D
ClientSampled :

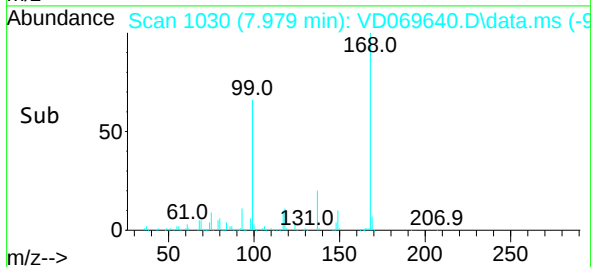
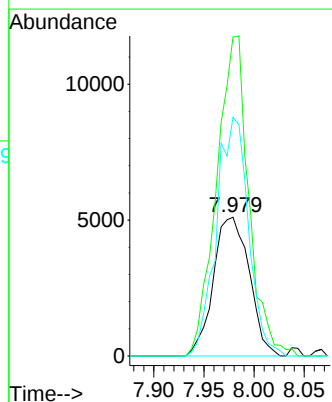
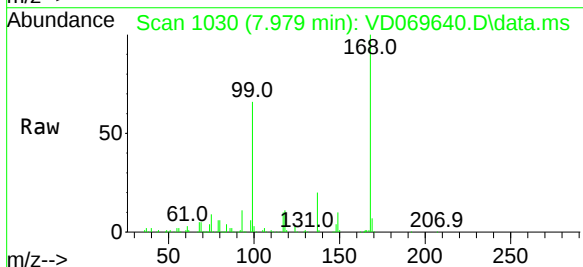


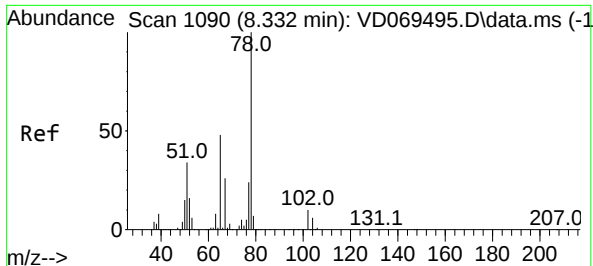
Tgt Ion: 43 Resp: 2235
Ion Ratio Lower Upper
43 100
72 0.0 24.3 36.5#



#31
Cyclohexane
Concen: 1.422 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069640.D
Acq: 08 Jul 2021 20:22

Tgt Ion: 56 Resp: 12733
Ion Ratio Lower Upper
56 100
69 229.8 28.0 42.0#
84 172.1 75.7 113.5#

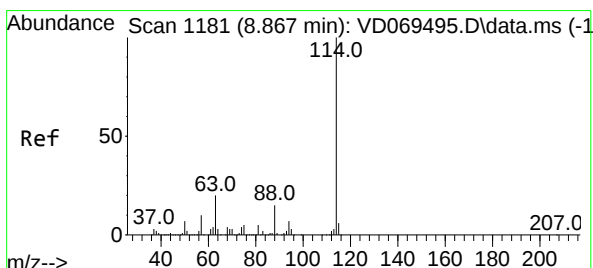
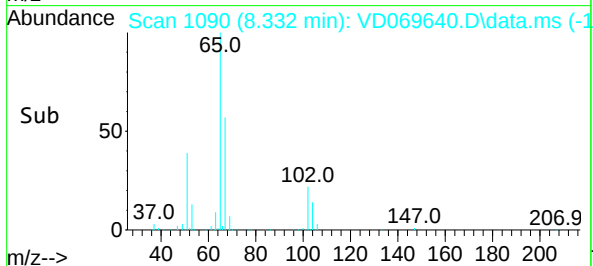
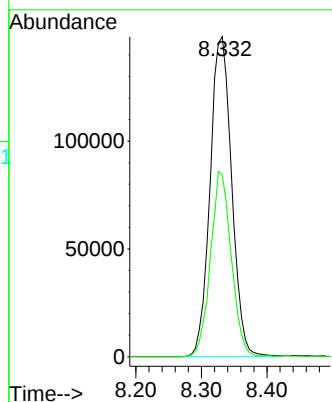
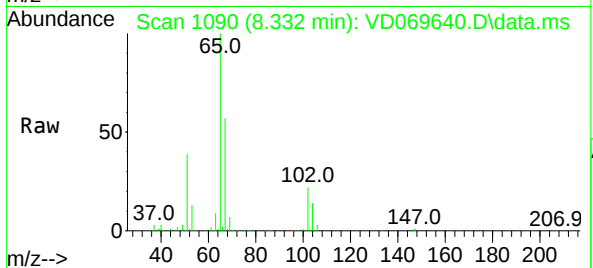




#33
1,2-Dichloroethane-d4
Concen: 51.114 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069640.D
Acq: 08 Jul 2021 20:22

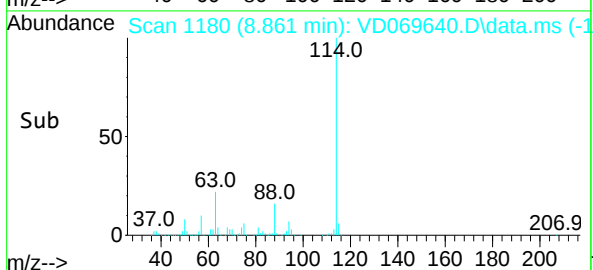
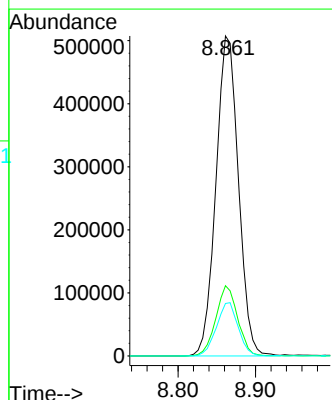
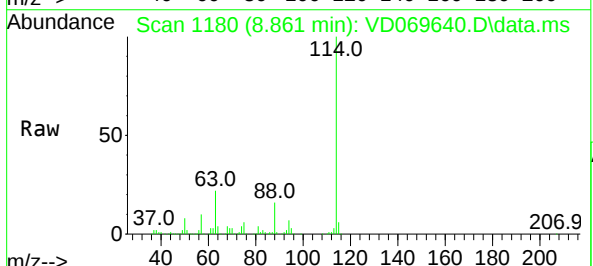
Instrument :
MSVOA_D
ClientSampled :

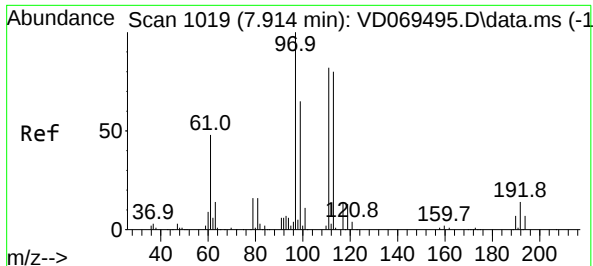
Tgt Ion: 65 Resp: 339959
Ion Ratio Lower Upper
65 100
67 55.5 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069640.D
Acq: 08 Jul 2021 20:22

Tgt Ion: 114 Resp: 1023454
Ion Ratio Lower Upper
114 100
63 22.0 0.0 39.6
88 16.4 0.0 29.8





#35

Dibromofluoromethane

Concen: 49.112 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069640.D

Acq: 08 Jul 2021 20:22

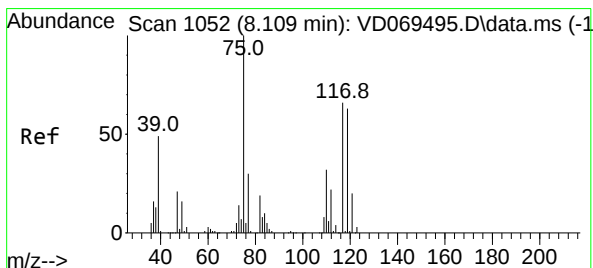
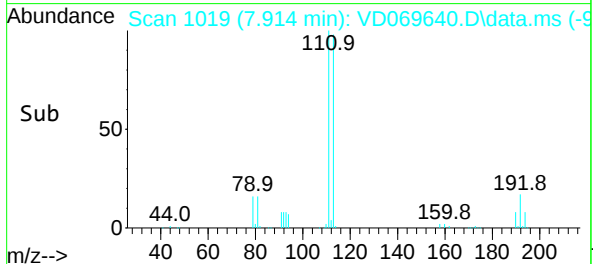
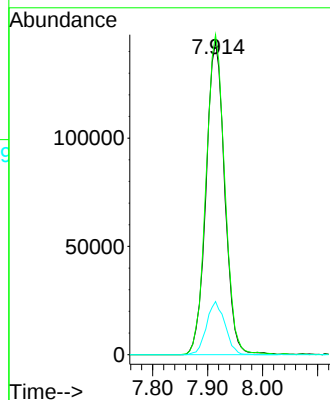
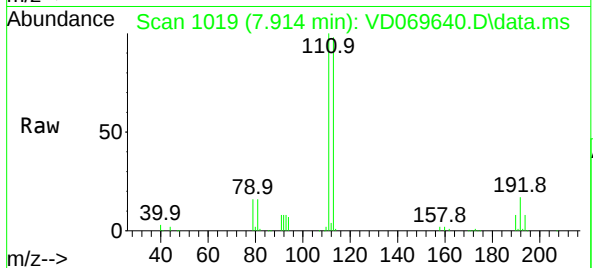
Tgt Ion:113 Resp: 339776

Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.8

192 16.9 13.8 20.6



#36

1,1-Dichloropropene

Concen: 4.958 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD069640.D

Acq: 08 Jul 2021 20:22

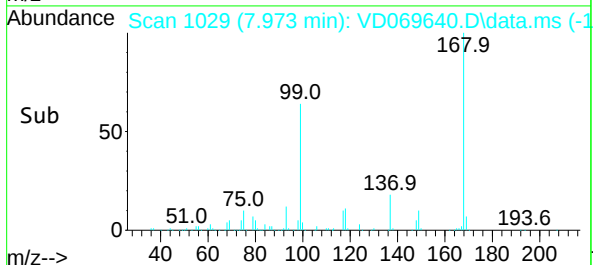
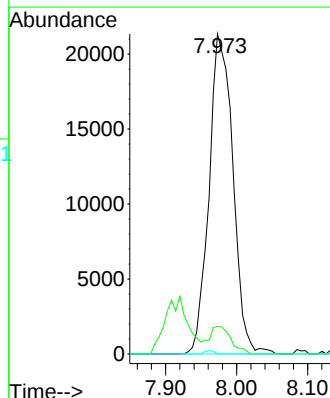
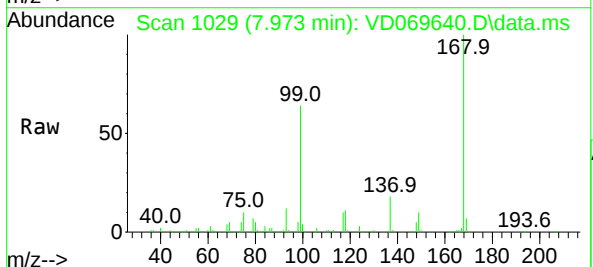
Tgt Ion: 75 Resp: 49800

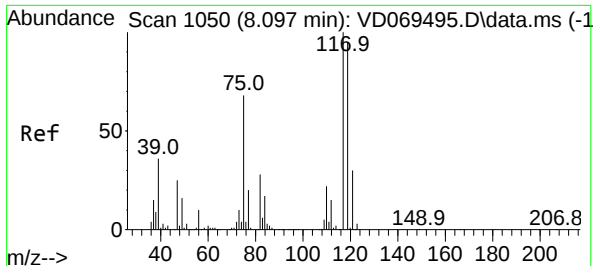
Ion Ratio Lower Upper

75 100

110 8.0 16.8 50.4#

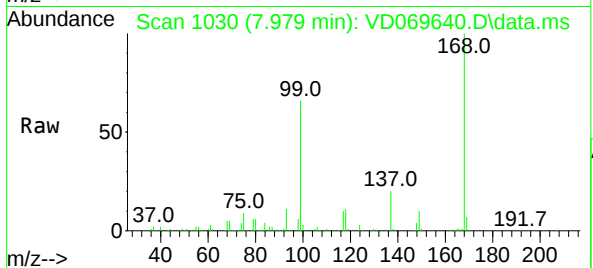
77 0.4 24.3 36.5#



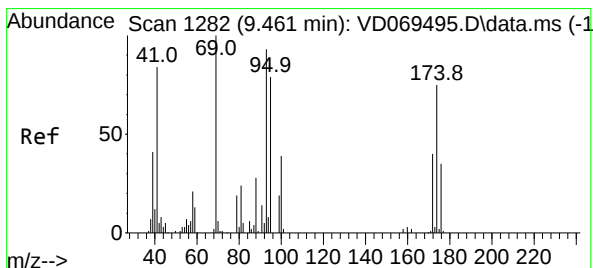
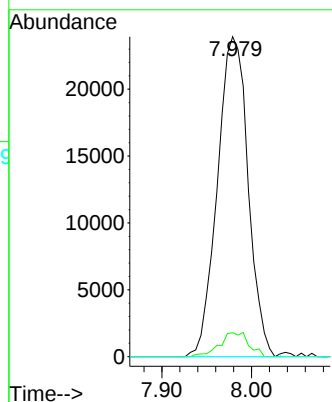
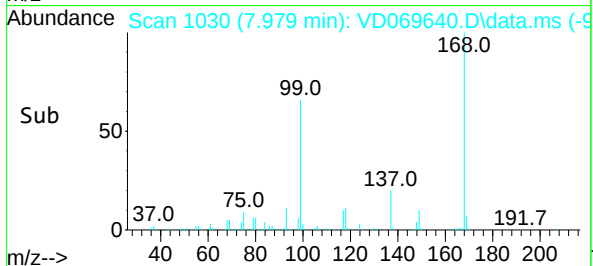


#38
Carbon Tetrachloride
Concen: 5.716 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069640.D
Acq: 08 Jul 2021 20:22

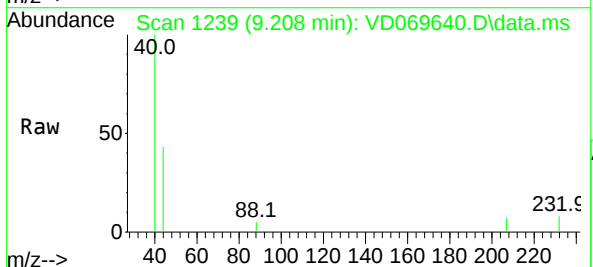
Instrument :
MSVOA_D
ClientSampled :



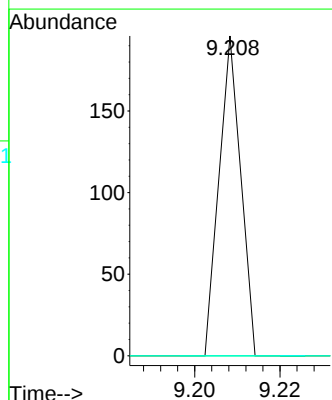
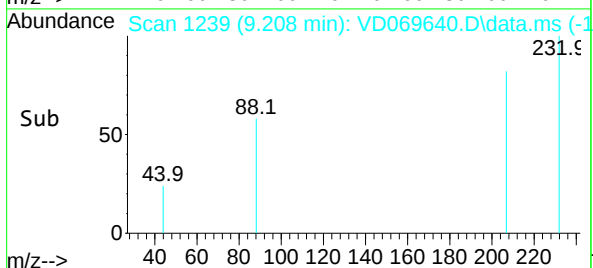
Tgt Ion:117 Resp: 56824
Ion Ratio Lower Upper
117 100
119 7.5 75.6 113.4#
121 0.0 23.8 35.8#

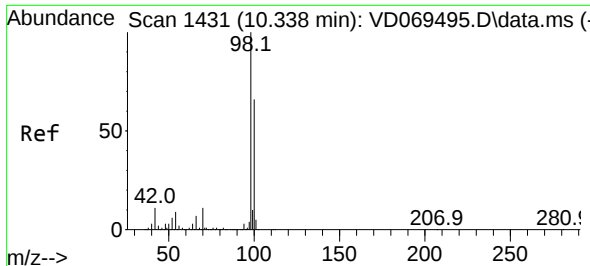


#49
1,4-Dioxane
Concen: 1.799 ug/l
RT: 9.208 min Scan# 1239
Delta R.T. -0.253 min
Lab File: VD069640.D
Acq: 08 Jul 2021 20:22



Tgt Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 0.0 26.5 39.7#
58 0.0 56.0 84.0#

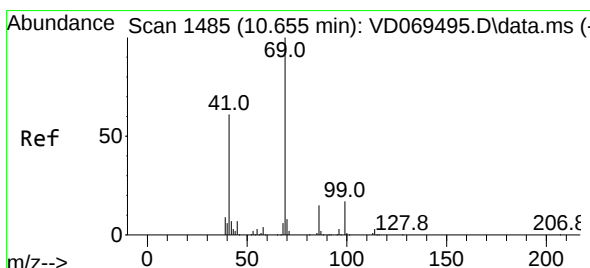
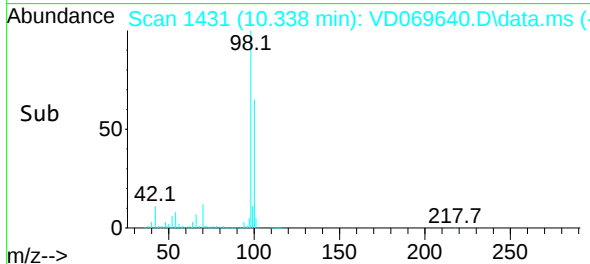
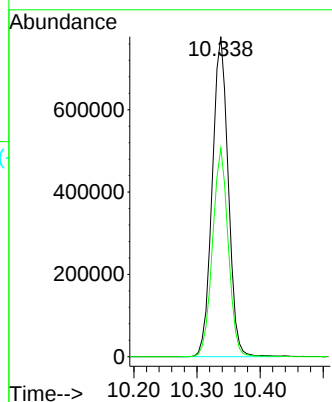
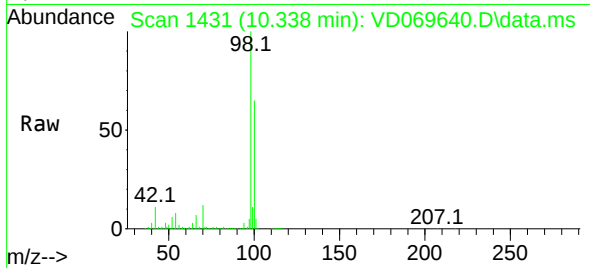




#50
Toluene-d8
Concen: 52.725 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069640.D
Acq: 08 Jul 2021 20:22

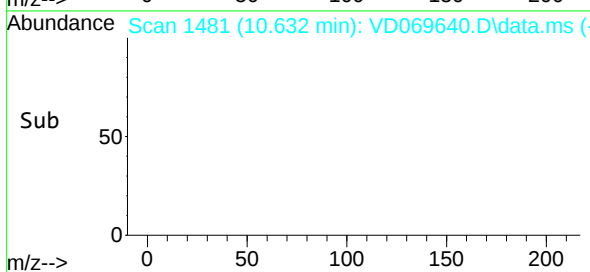
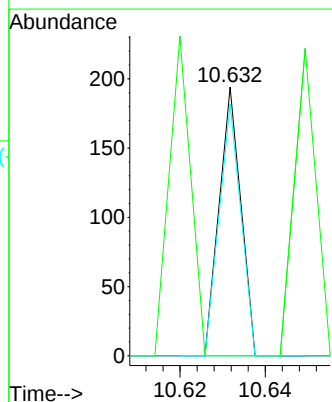
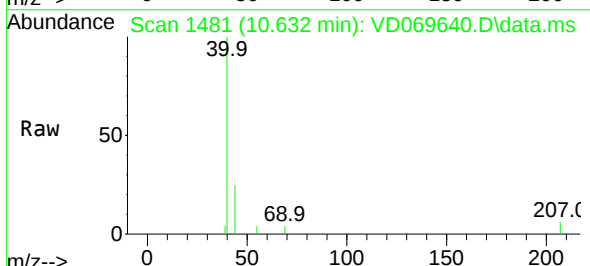
Instrument :
MSVOA_D
ClientSampleId :

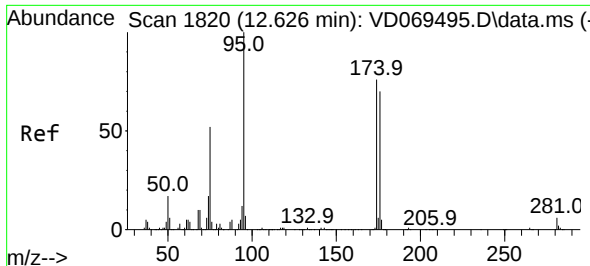
Tgt Ion: 98 Resp: 1368236
Ion Ratio Lower Upper
98 100
100 64.0 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.591 ug/l
RT: 10.632 min Scan# 1481
Delta R.T. -0.023 min
Lab File: VD069640.D
Acq: 08 Jul 2021 20:22

Tgt Ion: 69 Resp: 68
Ion Ratio Lower Upper
69 100
41 120.6 49.4 74.0#
39 94.1 26.9 40.3#

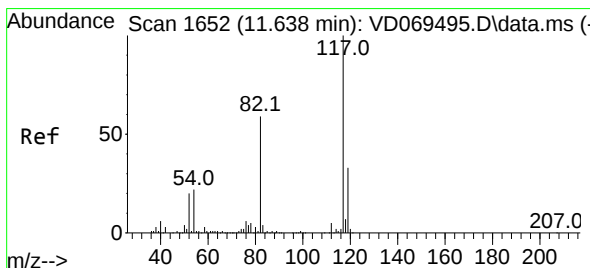
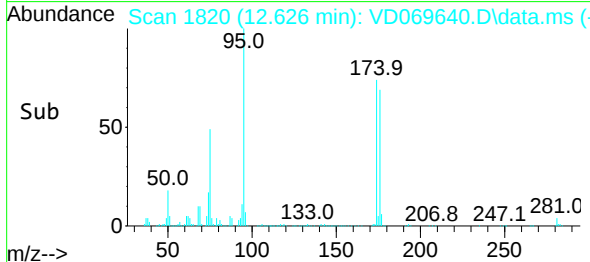
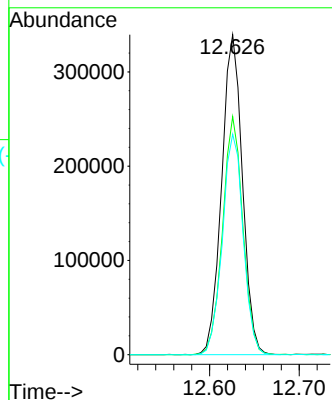
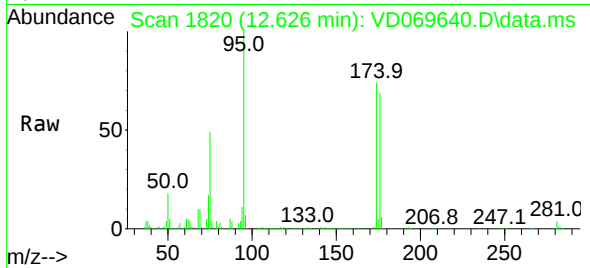




#62
4-Bromofluorobenzene
Concen: 63.788 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069640.D
Acq: 08 Jul 2021 20:22

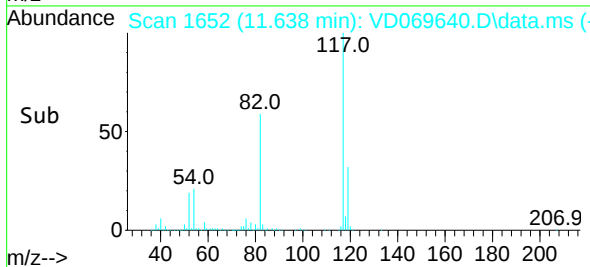
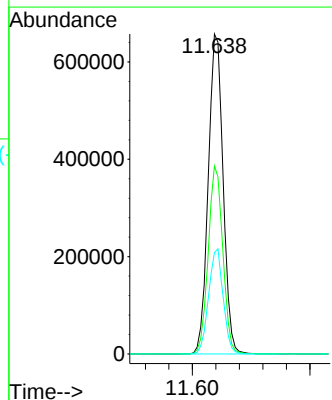
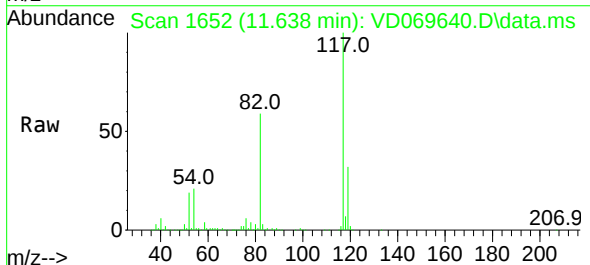
Instrument :
MSVOA_D
ClientSampleId :

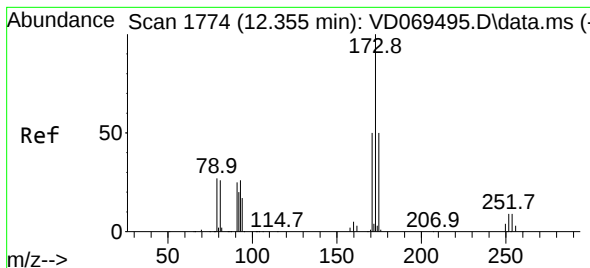
Tgt Ion: 95 Resp: 544193
Ion Ratio Lower Upper
95 100
174 72.8 0.0 148.0
176 69.0 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069640.D
Acq: 08 Jul 2021 20:22

Tgt Ion: 117 Resp: 1154248
Ion Ratio Lower Upper
117 100
82 58.8 46.8 70.2
119 31.7 26.2 39.2





#71

Bromoform

Concen: 1.131 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.270 min

Lab File: VD069640.D

Acq: 08 Jul 2021 20:22

Tgt Ion:173 Resp: 4784

Ion Ratio Lower Upper

173 100

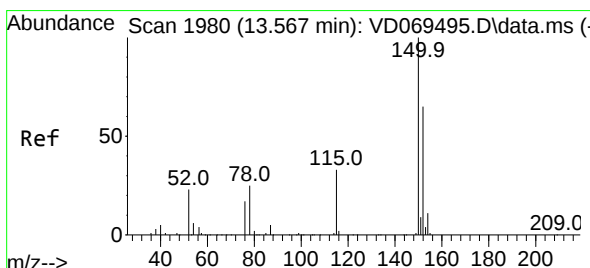
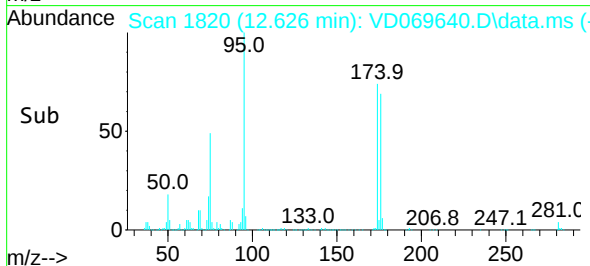
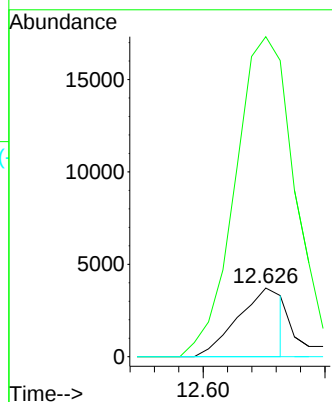
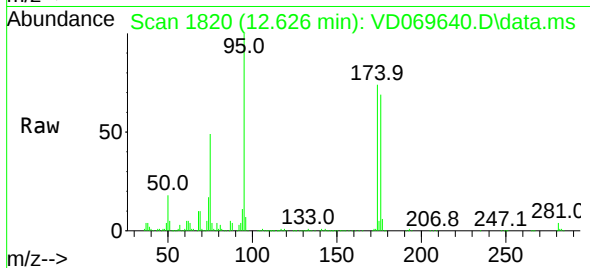
175 495.7 24.6 73.8#

254 0.0 0.1 0.1#

Instrument :

MSVOA_D

ClientSampleId :



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.567 min Scan# 1980

Delta R.T. -0.000 min

Lab File: VD069640.D

Acq: 08 Jul 2021 20:22

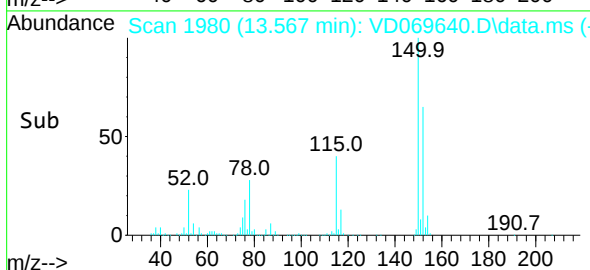
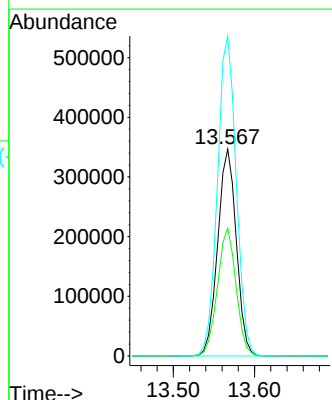
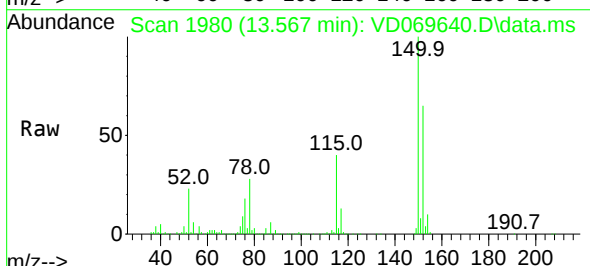
Tgt Ion:152 Resp: 552035

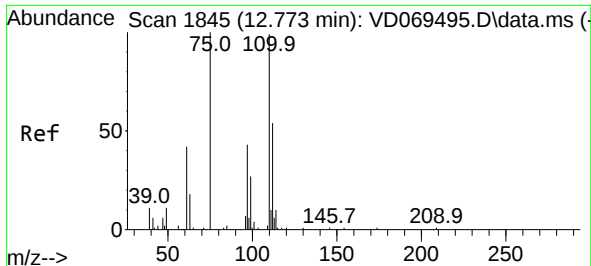
Ion Ratio Lower Upper

152 100

115 61.5 31.7 95.1

150 156.0 0.0 350.8

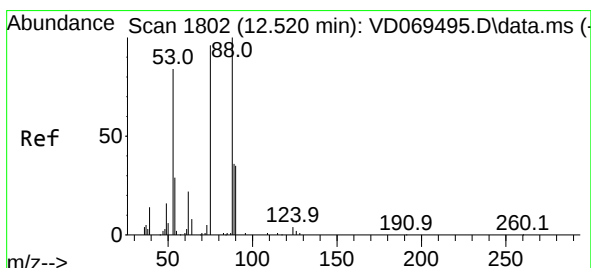
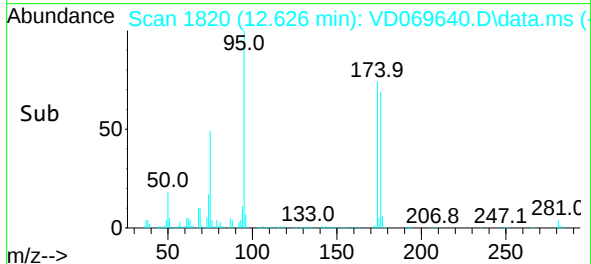
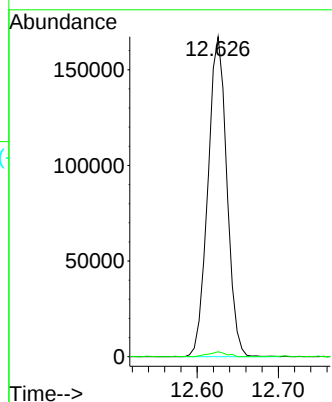
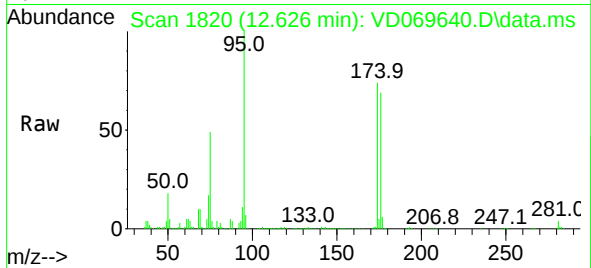




#76
1,2,3-Trichloropropane
Concen: 49.958 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069640.D
Acq: 08 Jul 2021 20:22

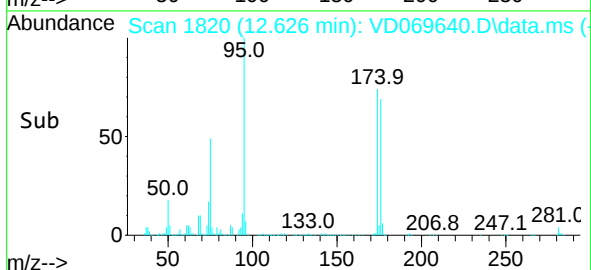
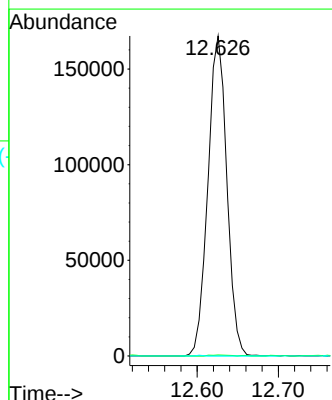
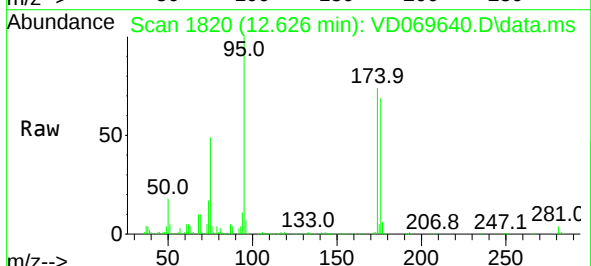
Instrument :
MSVOA_D
ClientSampleId :

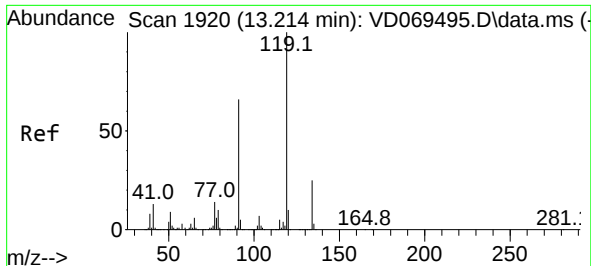
Tgt Ion: 75 Resp: 270717
Ion Ratio Lower Upper
75 100
77 1.5 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.737 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069640.D
Acq: 08 Jul 2021 20:22

Tgt Ion: 75 Resp: 270717
Ion Ratio Lower Upper
75 100
53 0.3 74.6 112.0#
89 0.0 35.3 52.9#

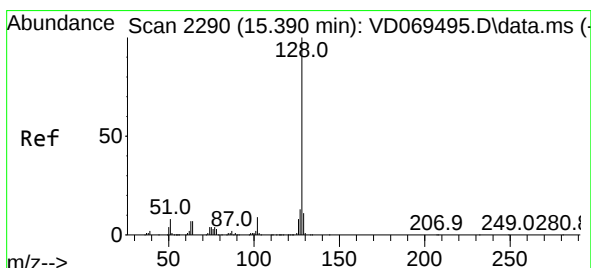
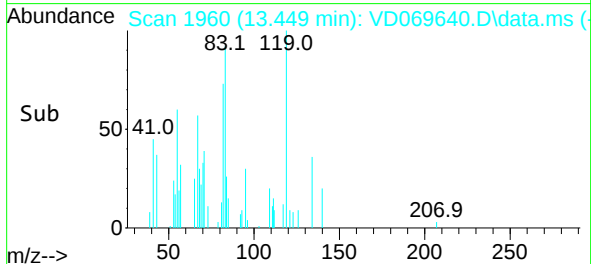
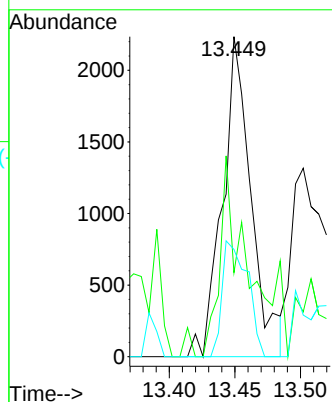
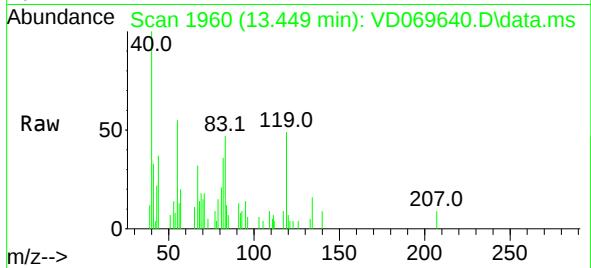




#83
tert-Butylbenzene
Concen: 2.106 ug/l
RT: 13.449 min Scan# 1960
Delta R.T. 0.235 min
Lab File: VD069640.D
Acq: 08 Jul 2021 20:22

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	119	Resp:	3385
Ion	Ratio	Lower	Upper
119	100		
91	63.3	32.5	97.4
134	32.2	12.9	38.7



#95
Naphthalene
Concen: 5.834 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069640.D
Acq: 08 Jul 2021 20:22

Tgt Ion:	128	Resp:	45707
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	11.7	8.7	13.1

