

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070821\
 Data File : VD069636.D
 Acq On : 08 Jul 2021 18:29
 Operator : VA/SY
 Sample : M2969-11
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 09 01:05:17 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)

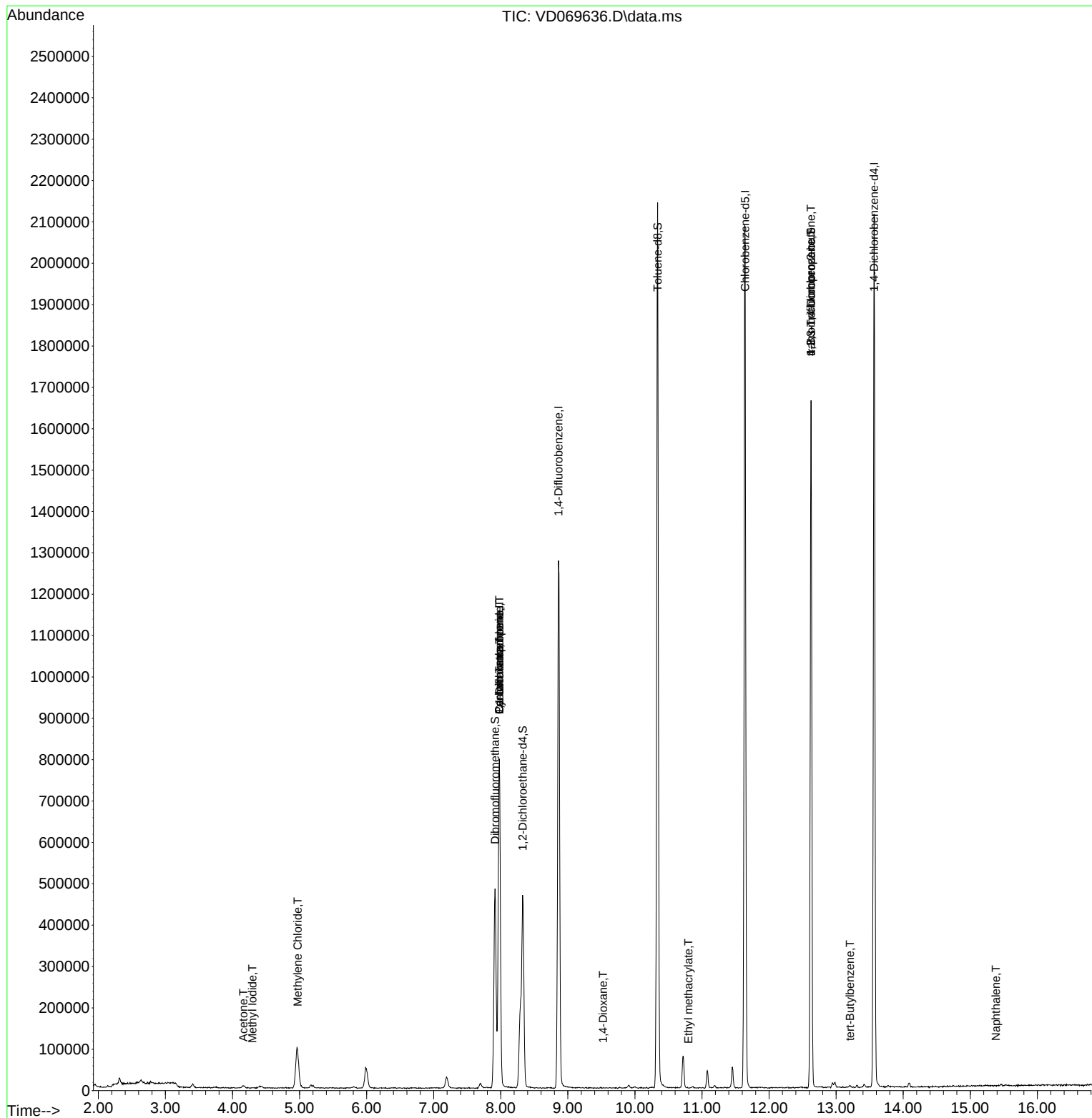
Internal Standards						
1) Pentafluorobenzene	7.979	168	558204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1087470	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	1197386	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	536689	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	348235	50.049	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.100%			
35) Dibromofluoromethane	7.914	113	350477	47.677	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.360%			
50) Toluene-d8	10.338	98	1434867	52.038	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.080%			
62) 4-Bromofluorobenzene	12.626	95	548816	60.543	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 121.080%			
Target Compounds					Qvalue	
5) Bromomethane	2.779	94	2815	Below Cal	#	67
10) Methyl Iodide	4.297	142	1029	4.102	ug/l #	50
11) Tert butyl alcohol	5.179	59	6186	Below Cal	#	83
16) Acetone	4.162	43	9108	7.777	ug/l	98
18) Methyl Acetate	4.714	43	54	Below Cal	#	49
20) Methylene Chloride	4.973	84	76255	4.412	ug/l	93
31) Cyclohexane	7.979	56	13997	1.494	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	52485	4.918	ug/l #	49
38) Carbon Tetrachloride	7.979	117	60734	5.750	ug/l #	19
49) 1,4-Dioxane	9.526	88	78	1.914	ug/l #	23
56) Ethyl methacrylate	10.796	69	131	2.599	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	272856	51.792	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	272856	129.318	ug/l #	13
83) tert-Butylbenzene	13.208	119	70	1.995	ug/l #	1
95) Naphthalene	15.384	128	559	3.386	ug/l #	69

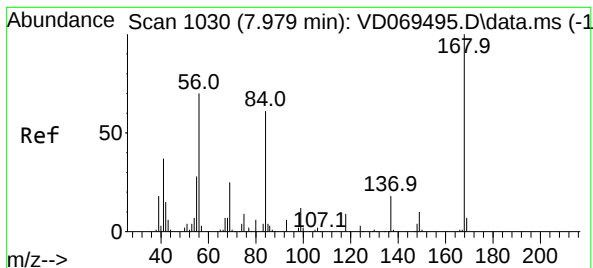
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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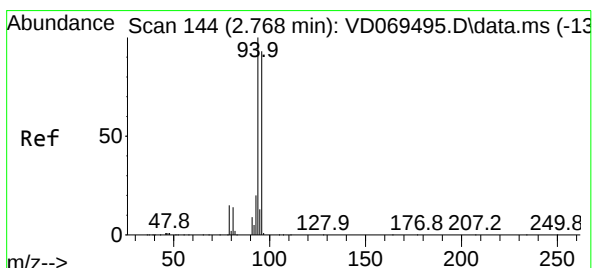
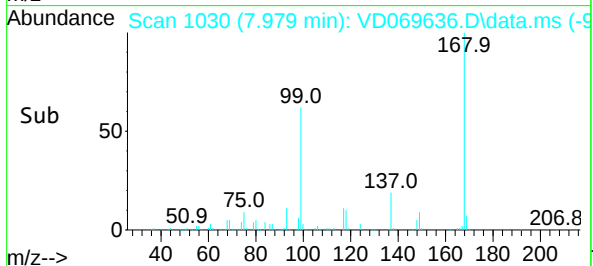
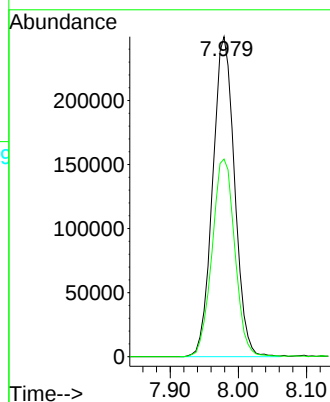
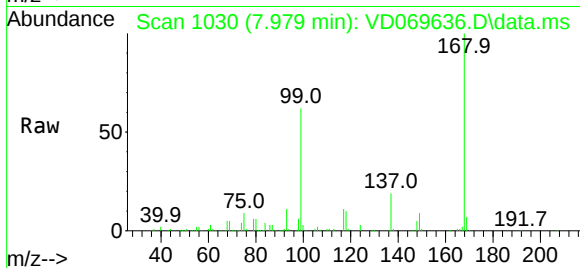




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069636.D
Acq: 08 Jul 2021 18:29

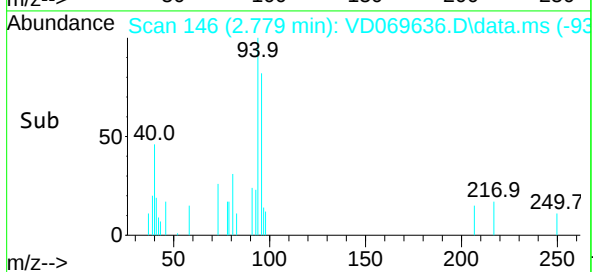
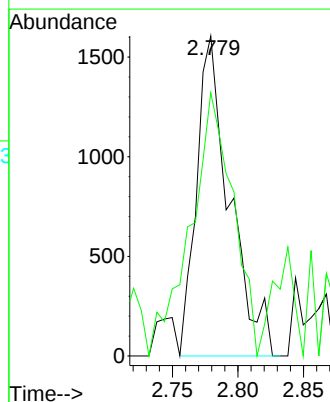
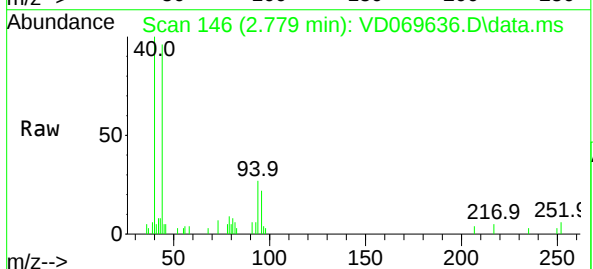
Instrument :
MSVOA_D
ClientSampled :

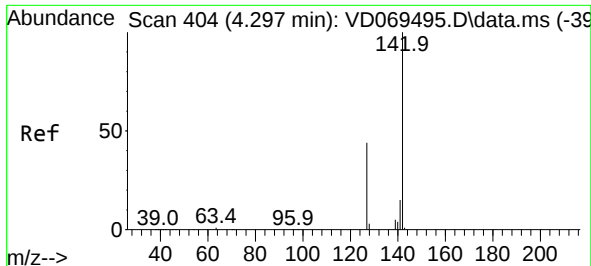
Tgt Ion:168 Resp: 558204
Ion Ratio Lower Upper
168 100
99 61.8 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD069636.D
Acq: 08 Jul 2021 18:29

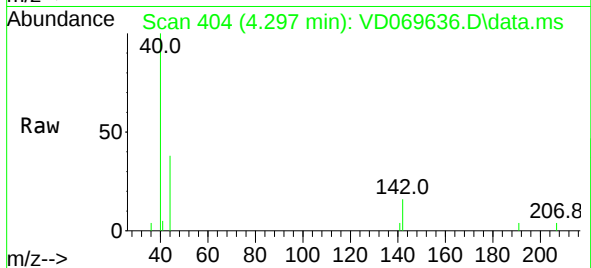
Tgt Ion: 94 Resp: 2815
Ion Ratio Lower Upper
94 100
96 61.4 74.6 111.8#



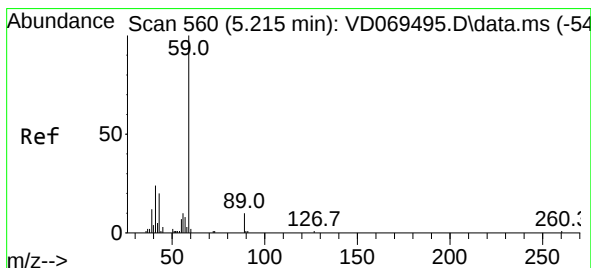
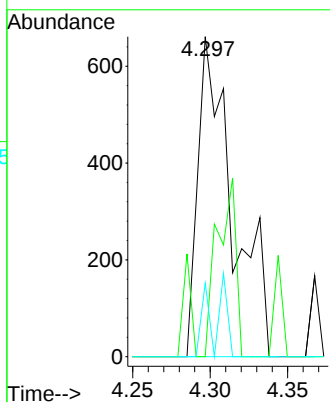
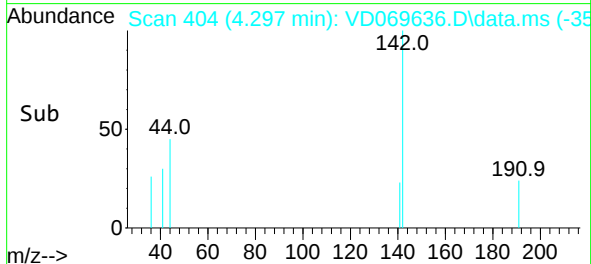


#10
Methyl Iodide
Concen: 4.102 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069636.D
Acq: 08 Jul 2021 18:29

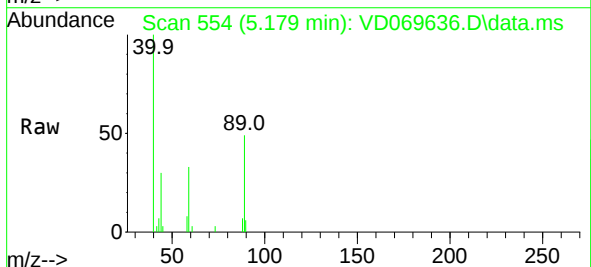
Instrument :
MSVOA_D
ClientSampled :



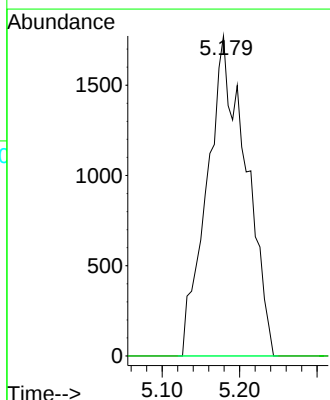
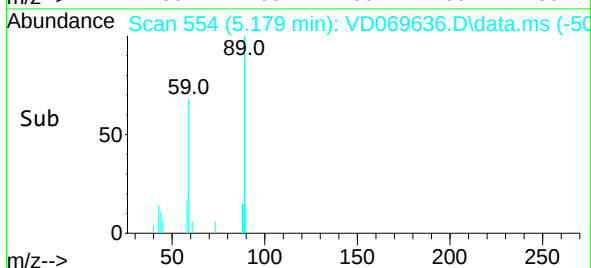
Tgt Ion:142 Resp: 1029
Ion Ratio Lower Upper
142 100
127 7.3 36.5 54.7#
141 5.2 12.0 18.0#

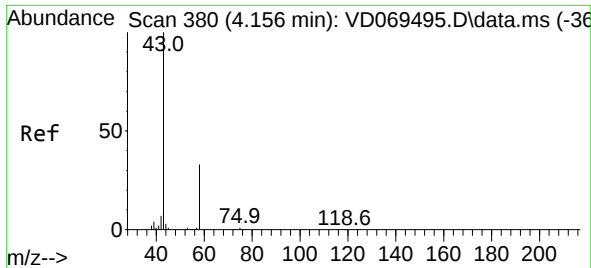


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.179 min Scan# 554
Delta R.T. -0.036 min
Lab File: VD069636.D
Acq: 08 Jul 2021 18:29



Tgt Ion: 59 Resp: 6186
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

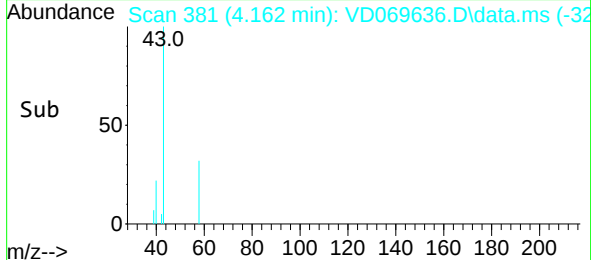
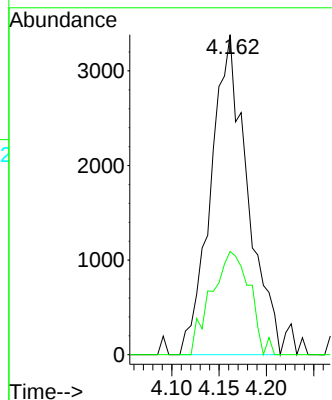
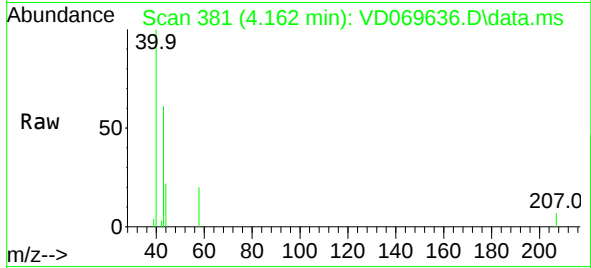




#16
Acetone
Concen: 7.777 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069636.D
Acq: 08 Jul 2021 18:29

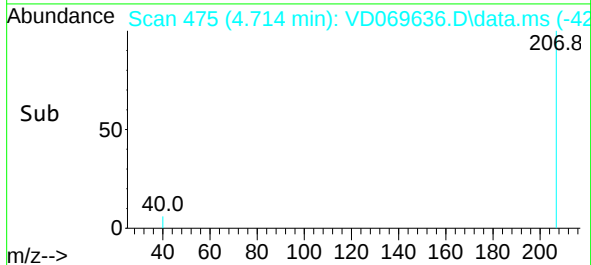
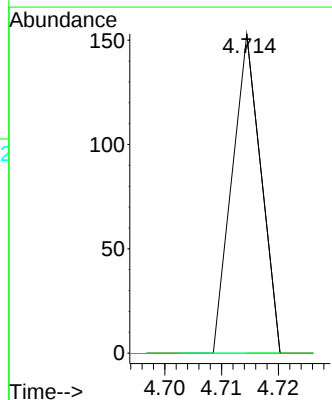
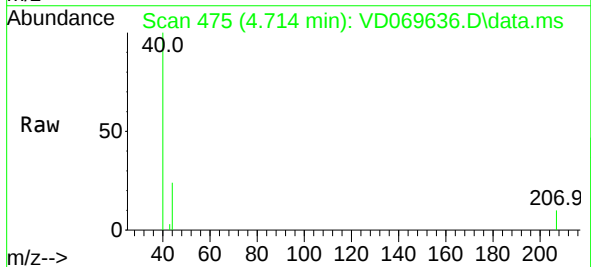
Instrument :
MSVOA_D
ClientSampled :

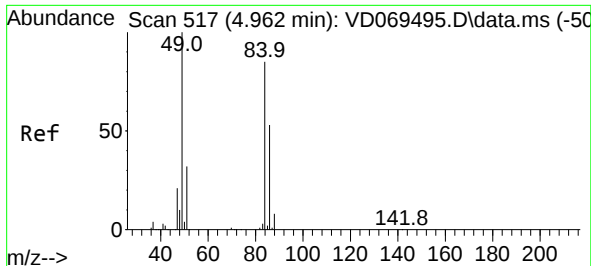
Tgt Ion: 43 Resp: 9108
Ion Ratio Lower Upper
43 100
58 32.2 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.714 min Scan# 475
Delta R.T. -0.006 min
Lab File: VD069636.D
Acq: 08 Jul 2021 18:29

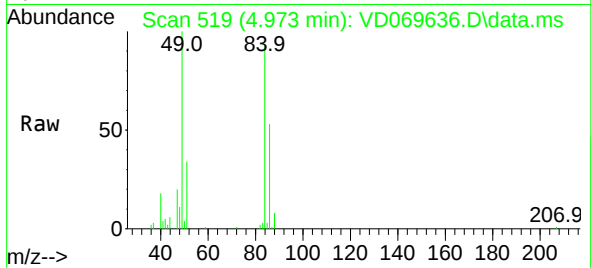
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



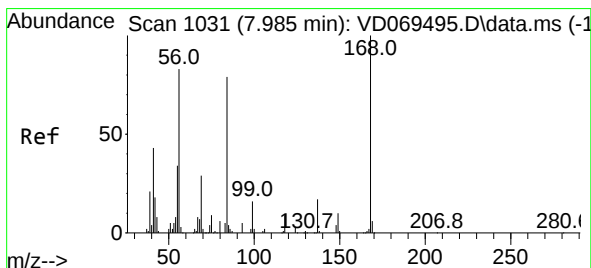
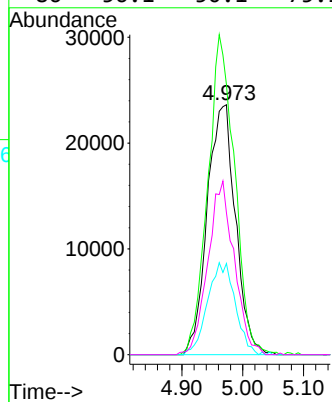
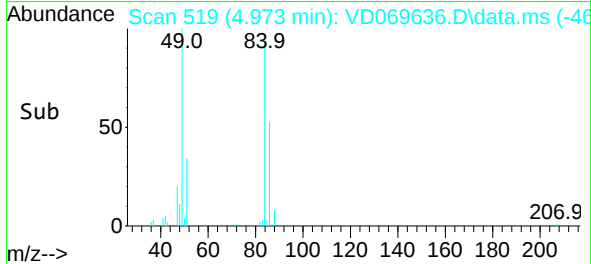


#20
Methylene Chloride
Concen: 4.412 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD069636.D
Acq: 08 Jul 2021 18:29

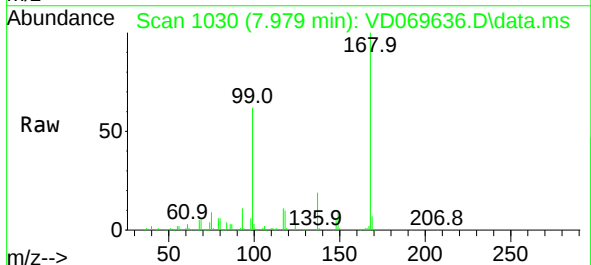
Instrument :
MSVOA_D
ClientSampled :



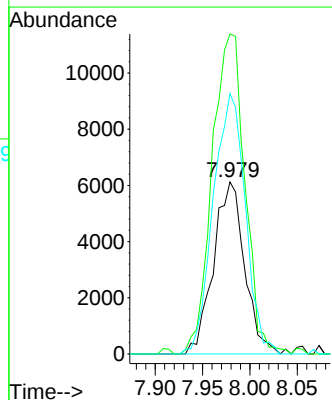
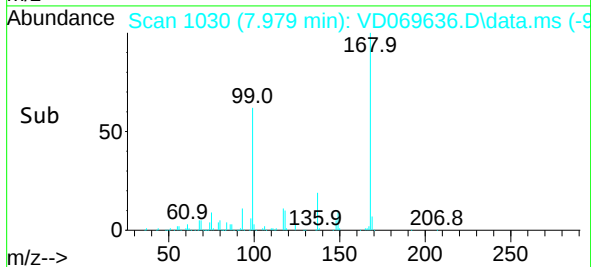
Tgt Ion:	84	Resp:	76255
Ion	Ratio	Lower	Upper
84	100		
49	108.1	94.0	141.0
51	36.5	29.7	44.5
86	56.1	50.1	75.1

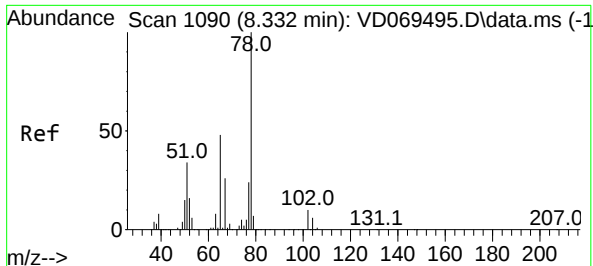


#31
Cyclohexane
Concen: 1.494 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069636.D
Acq: 08 Jul 2021 18:29



Tgt Ion:	56	Resp:	13997
Ion	Ratio	Lower	Upper
56	100		
69	186.1	28.0	42.0#
84	151.3	75.7	113.5#

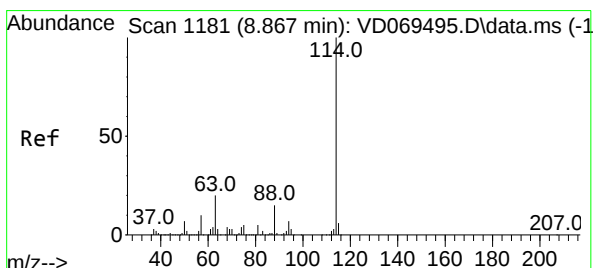
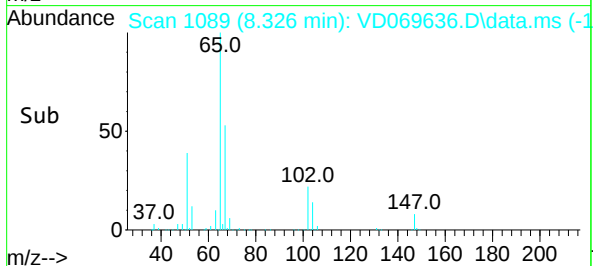
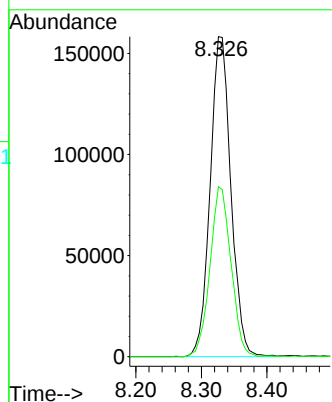
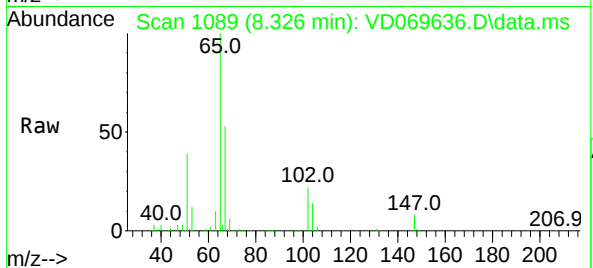




#33
1,2-Dichloroethane-d4
Concen: 50.049 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069636.D
Acq: 08 Jul 2021 18:29

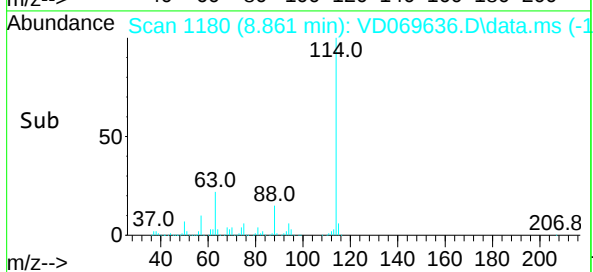
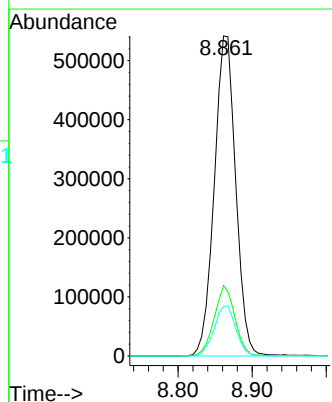
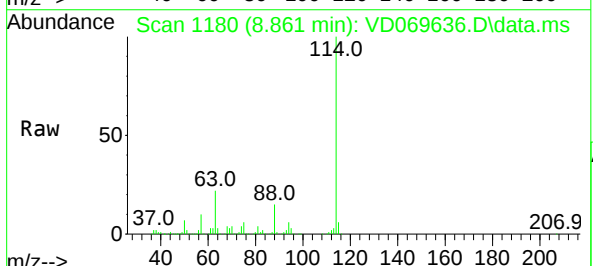
Instrument :
MSVOA_D
ClientSampleId :

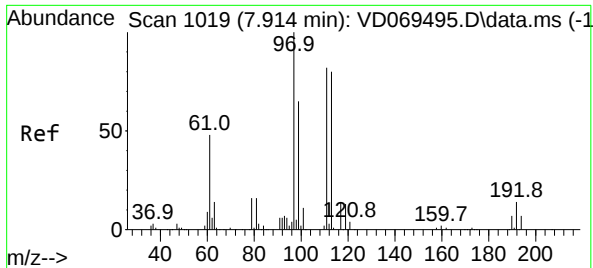
Tgt Ion: 65 Resp: 348235
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069636.D
Acq: 08 Jul 2021 18:29

Tgt Ion: 114 Resp: 1087470
Ion Ratio Lower Upper
114 100
63 22.0 0.0 39.6
88 15.4 0.0 29.8

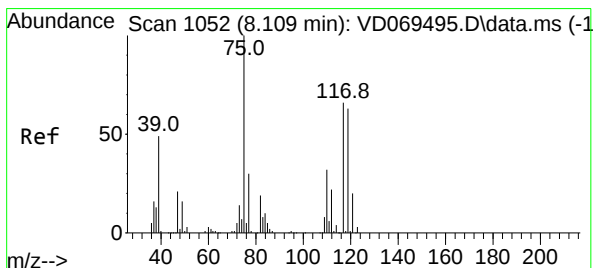
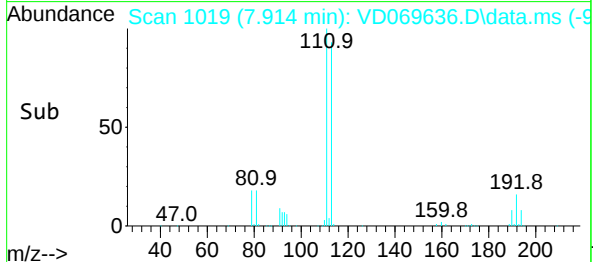
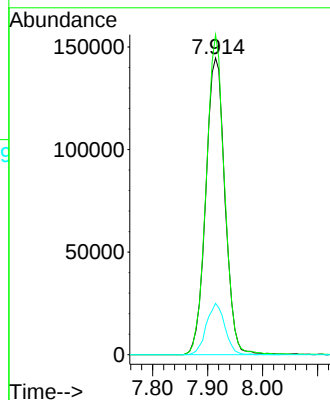
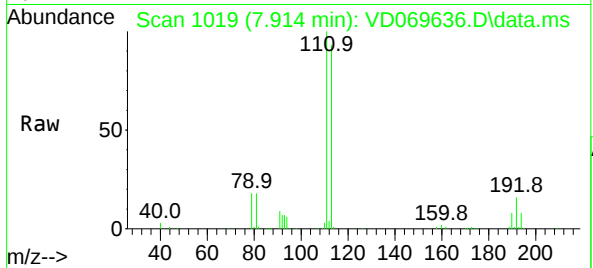




#35
Dibromofluoromethane
Concen: 47.677 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069636.D
Acq: 08 Jul 2021 18:29

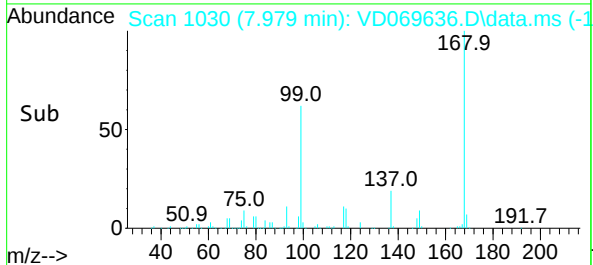
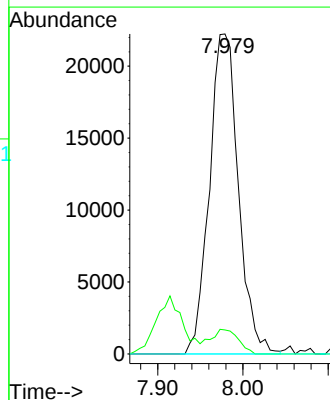
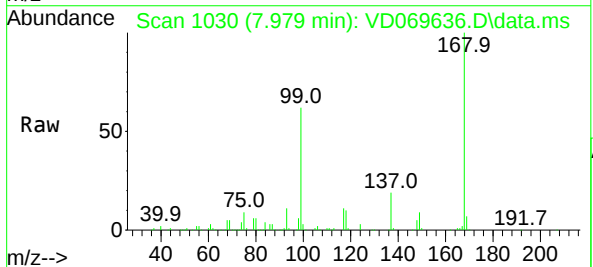
Instrument :
MSVOA_D
ClientSampleId :

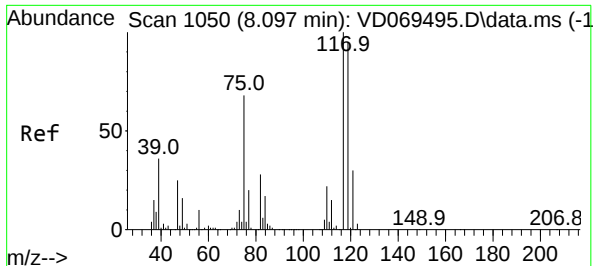
Tgt Ion:113 Resp: 350477
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.8
192 16.7 13.8 20.6



#36
1,1-Dichloropropene
Concen: 4.918 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069636.D
Acq: 08 Jul 2021 18:29

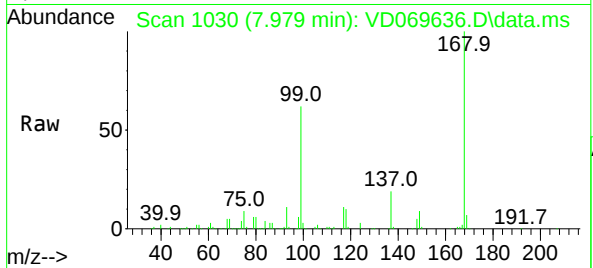
Tgt Ion: 75 Resp: 52485
Ion Ratio Lower Upper
75 100
110 7.4 16.8 50.4#
77 0.0 24.3 36.5#



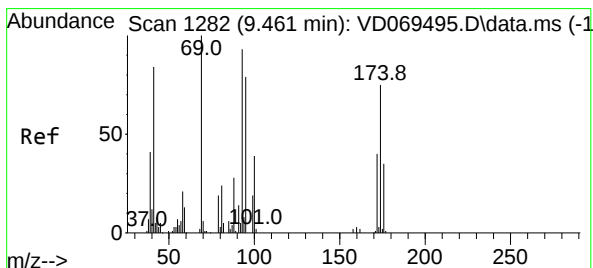
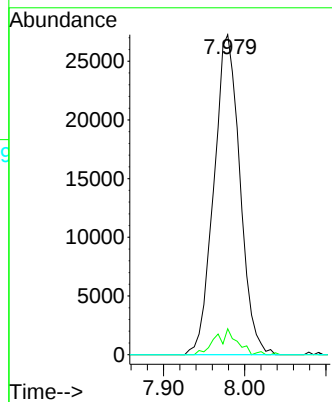
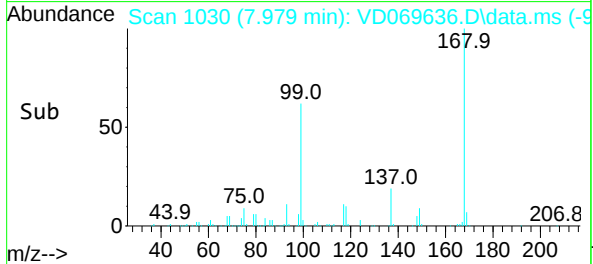


#38
Carbon Tetrachloride
Concen: 5.750 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069636.D
Acq: 08 Jul 2021 18:29

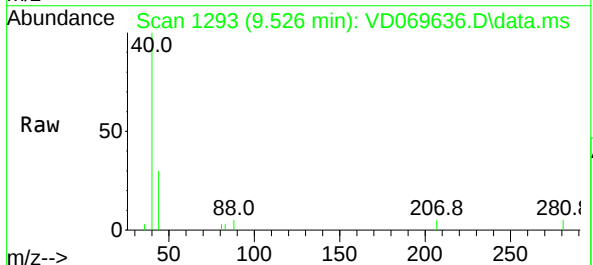
Instrument :
MSVOA_D
ClientSampleId :



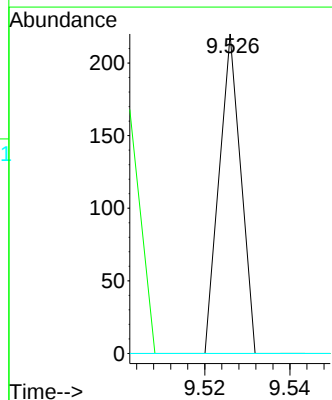
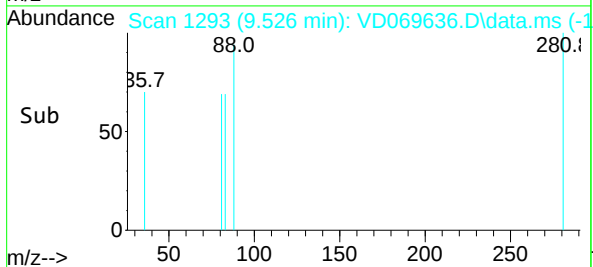
Tgt Ion:117 Resp: 60734
Ion Ratio Lower Upper
117 100
119 8.1 75.6 113.4#
121 0.0 23.8 35.8#

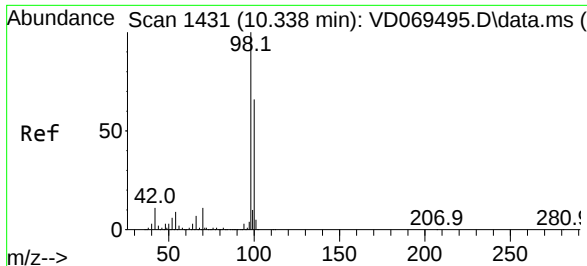


#49
1,4-Dioxane
Concen: 1.914 ug/l
RT: 9.526 min Scan# 1293
Delta R.T. 0.065 min
Lab File: VD069636.D
Acq: 08 Jul 2021 18:29



Tgt Ion: 88 Resp: 78
Ion Ratio Lower Upper
88 100
43 0.0 26.5 39.7#
58 0.0 56.0 84.0#

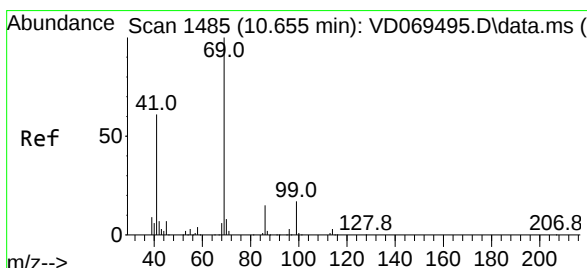
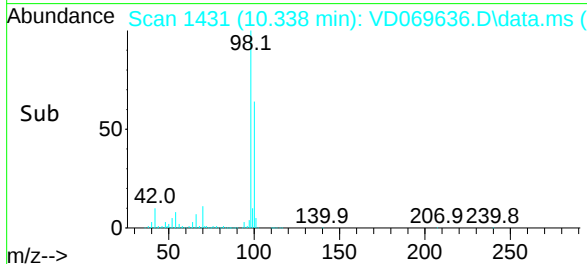
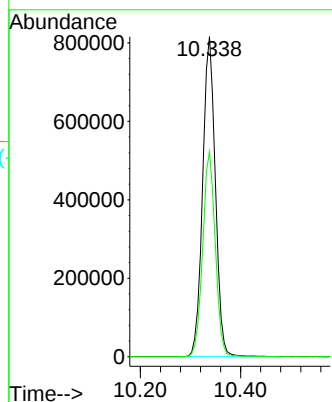
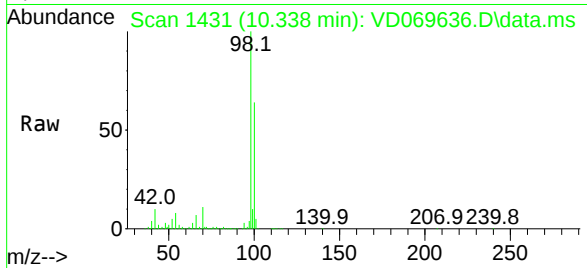




#50
Toluene-d8
Concen: 52.038 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069636.D
Acq: 08 Jul 2021 18:29

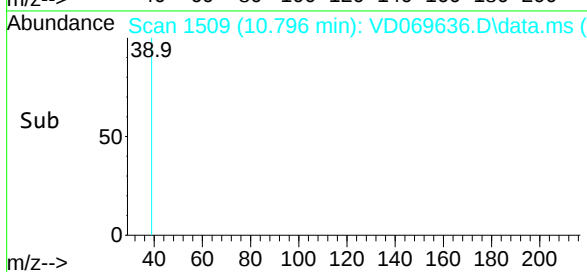
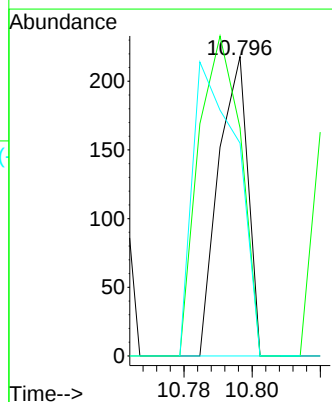
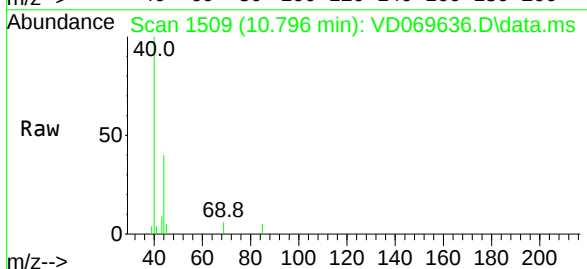
Instrument :
MSVOA_D
ClientSampleId :

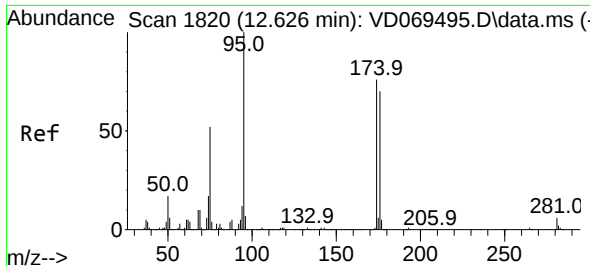
Tgt Ion: 98 Resp: 1434867
Ion Ratio Lower Upper
98 100
100 63.6 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.599 ug/l
RT: 10.796 min Scan# 1509
Delta R.T. 0.141 min
Lab File: VD069636.D
Acq: 08 Jul 2021 18:29

Tgt Ion: 69 Resp: 131
Ion Ratio Lower Upper
69 100
41 153.4 49.4 74.0#
39 147.3 26.9 40.3#

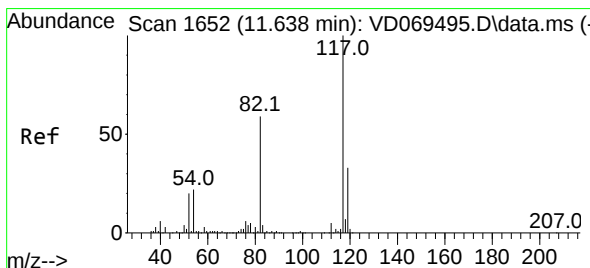
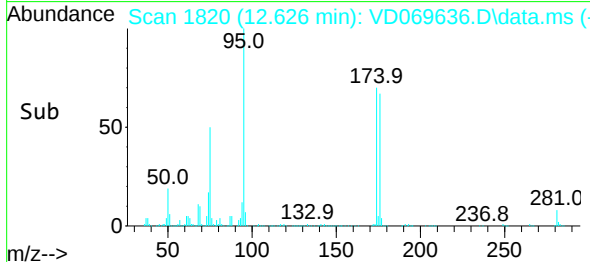
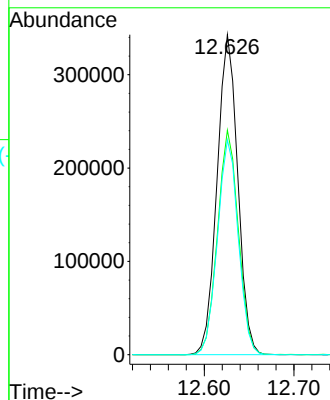
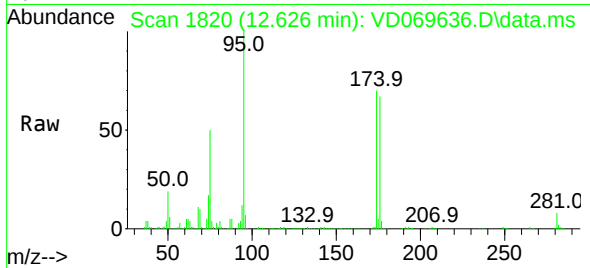




#62
4-Bromofluorobenzene
Concen: 60.543 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069636.D
Acq: 08 Jul 2021 18:29

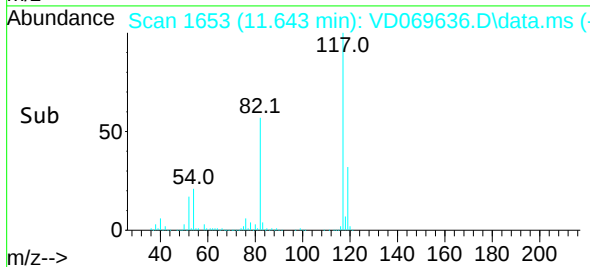
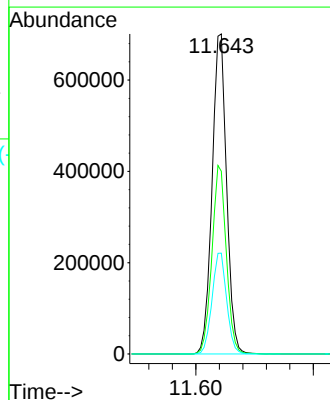
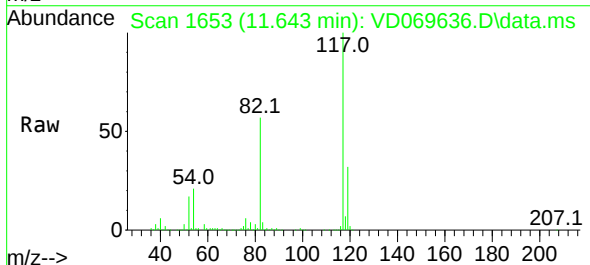
Instrument :
MSVOA_D
ClientSampleId :

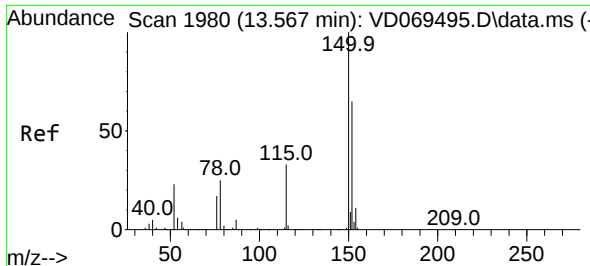
Tgt Ion: 95 Resp: 548816
Ion Ratio Lower Upper
95 100
174 70.8 0.0 148.0
176 67.5 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069636.D
Acq: 08 Jul 2021 18:29

Tgt Ion: 117 Resp: 1197386
Ion Ratio Lower Upper
117 100
82 57.1 46.8 70.2
119 31.5 26.2 39.2

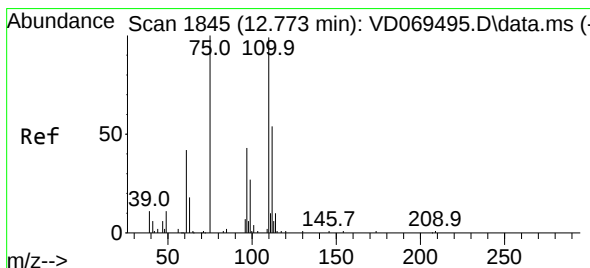
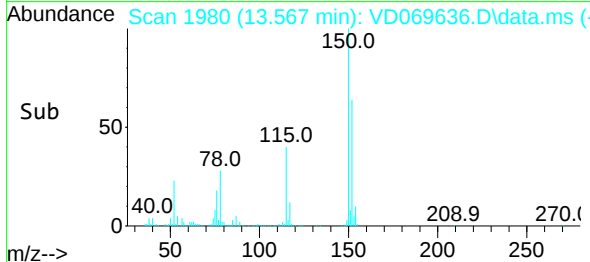
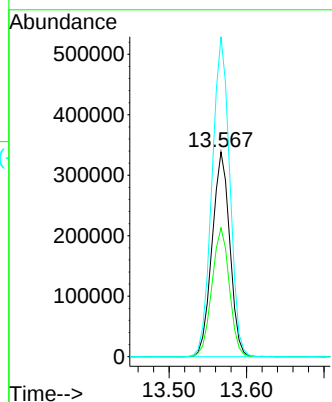
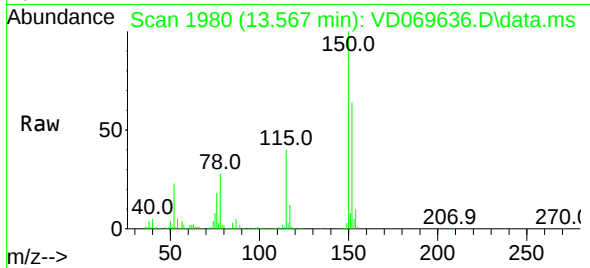




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069636.D
 Acq: 08 Jul 2021 18:29

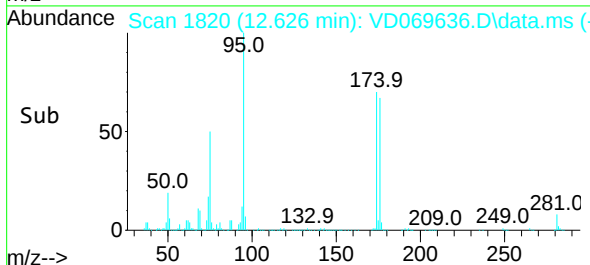
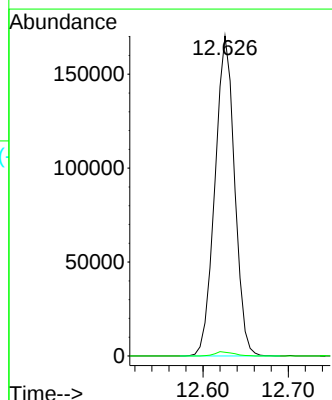
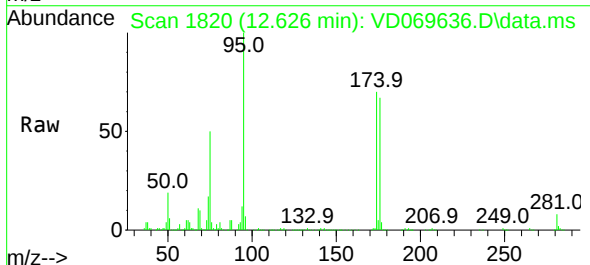
Instrument :
 MSVOA_D
 ClientSampled :

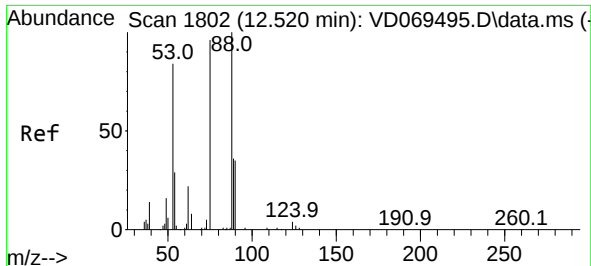
Tgt Ion:152 Resp: 536689
 Ion Ratio Lower Upper
 152 100
 115 62.0 31.7 95.1
 150 156.7 0.0 350.8



#76
 1,2,3-Trichloropropane
 Concen: 51.792 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069636.D
 Acq: 08 Jul 2021 18:29

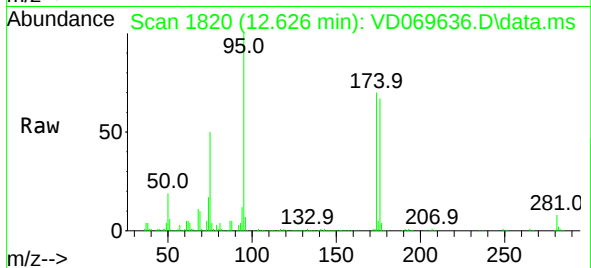
Tgt Ion: 75 Resp: 272856
 Ion Ratio Lower Upper
 75 100
 77 1.3 162.6 487.8#



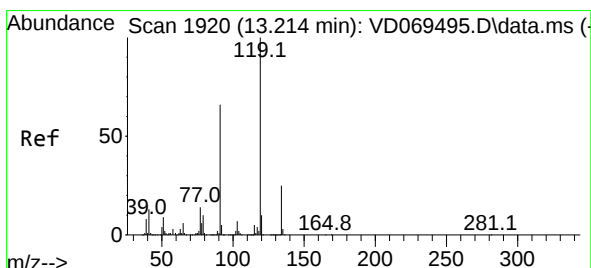
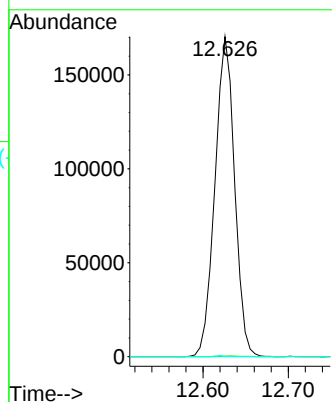
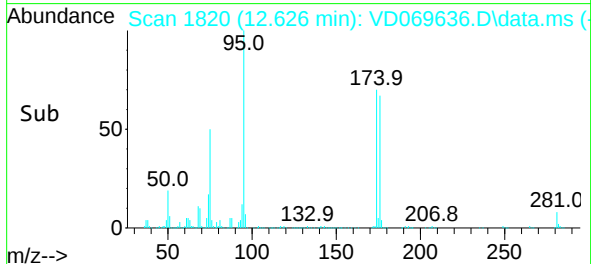


#81
trans-1,4-Dichloro-2-butene
Concen: 129.318 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069636.D
Acq: 08 Jul 2021 18:29

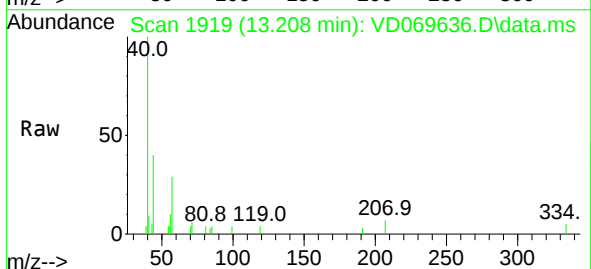
Instrument :
MSVOA_D
ClientSampleId :



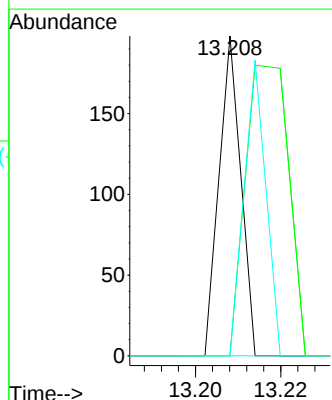
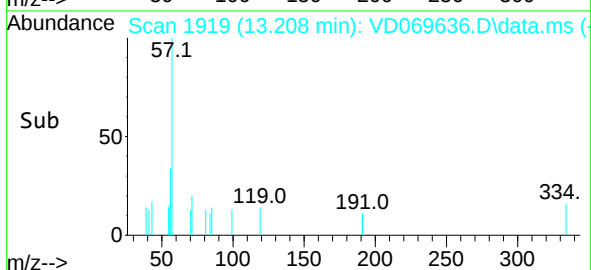
Tgt Ion: 75 Resp: 272856
Ion Ratio Lower Upper
75 100
53 0.3 74.6 112.0#
89 0.1 35.3 52.9#

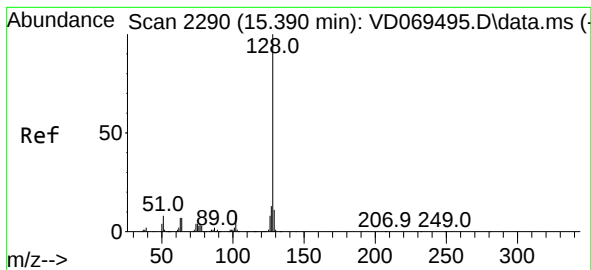


#83
tert-Butylbenzene
Concen: 1.995 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. -0.006 min
Lab File: VD069636.D
Acq: 08 Jul 2021 18:29



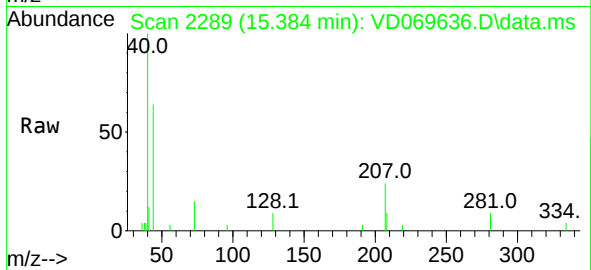
Tgt Ion: 119 Resp: 70
Ion Ratio Lower Upper
119 100
91 180.0 32.5 97.4#
134 92.9 12.9 38.7#





#95
Naphthalene
Concen: 3.386 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069636.D
Acq: 08 Jul 2021 18:29

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 559
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

