

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092021\
 Data File : VD070382.D
 Acq On : 20 Sep 2021 14:20
 Operator : VA/SY
 Sample : M3792-03
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RT4213

Quant Time: Sep 21 03:33:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

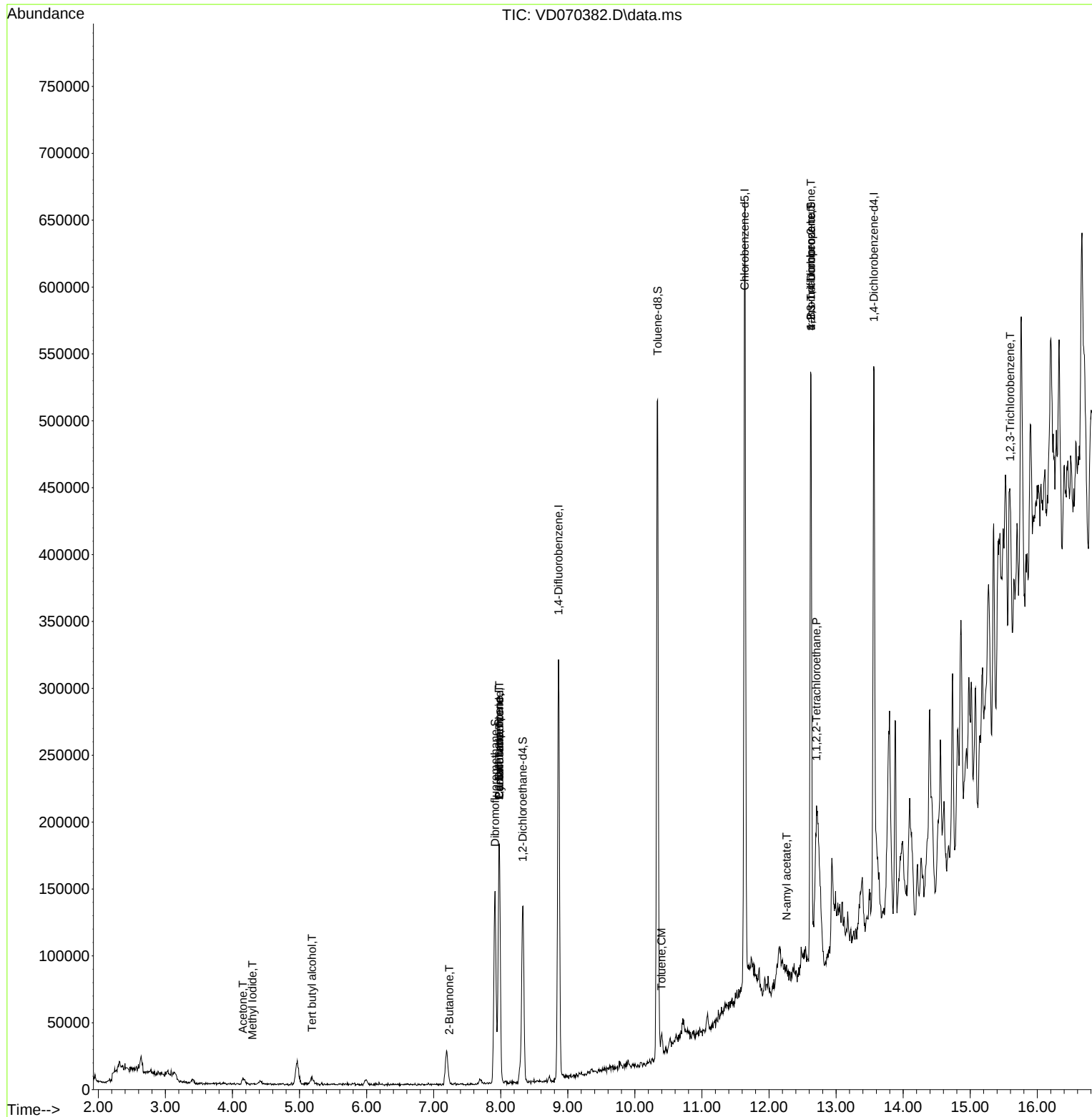
Internal Standards						
1) Pentafluorobenzene	7.979	168	125621	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	259575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	348828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	107865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	107086	66.389	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.780%	
35) Dibromofluoromethane	7.914	113	104530	56.573	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.140%	
50) Toluene-d8	10.338	98	357275	53.257	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.520%	
62) 4-Bromofluorobenzene	12.626	95	162079	69.131	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 138.260%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	241	Below Cal	#	43
3) Chloromethane	2.209	50	646	Below Cal	#	63
5) Bromomethane	2.750	94	316	Below Cal	#	4
6) Chloroethane	2.927	64	57	Below Cal	#	43
10) Methyl Iodide	4.297	142	349	1.249	ug/l #	76
11) Tert butyl alcohol	5.185	59	4817	26.412	ug/l #	100
16) Acetone	4.156	43	8475	29.429	ug/l #	86
18) Methyl Acetate	4.721	43	64	Below Cal	#	48
25) 2-Butanone	7.232	43	2268	5.916	ug/l	95
31) Cyclohexane	7.979	56	3410	1.227	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	11794	4.251	ug/l #	47
38) Carbon Tetrachloride	7.979	117	14161	5.161	ug/l #	19
52) Toluene	10.397	92	5914	1.204	ug/l	80
74) N-amyl acetate	12.261	43	2304	1.398	ug/l #	63
75) 1,1,2,2-Tetrachloroethane	12.708	83	24576	15.169	ug/l #	29
76) 1,2,3-Trichloropropane	12.626	75	78865	72.282	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	78865	181.110	ug/l #	18
96) 1,2,3-Trichlorobenzene	15.596	180	6996	4.580	ug/l #	19

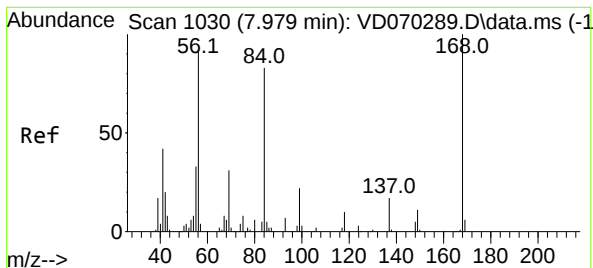
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD070382.D

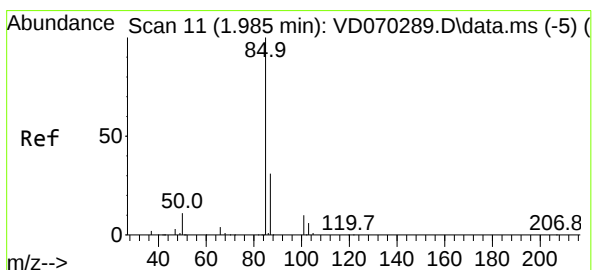
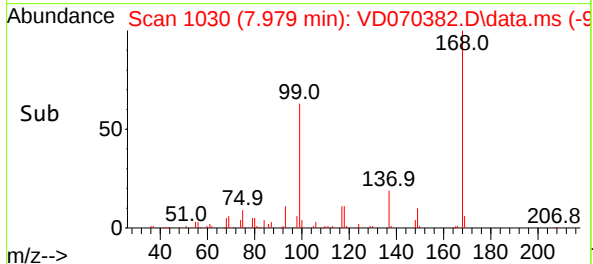
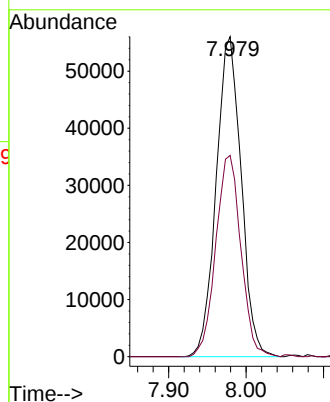
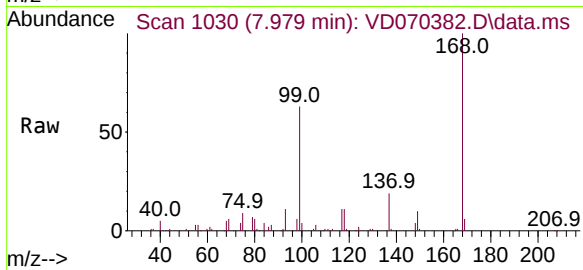
Acq: 20 Sep 2021 14:20

Tgt Ion:168 Resp: 125621

Ion Ratio Lower Upper

168 100

99 62.9 50.8 76.2



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.991 min Scan# 12

Delta R.T. 0.006 min

Lab File: VD070382.D

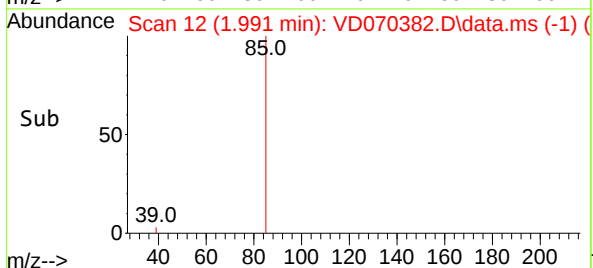
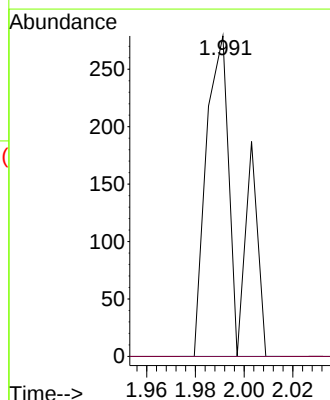
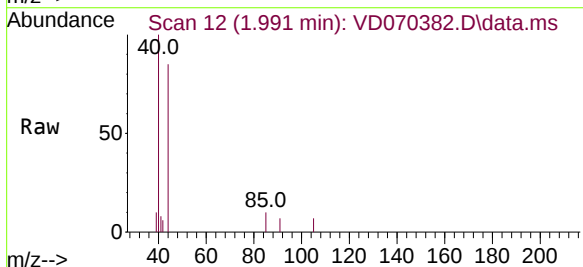
Acq: 20 Sep 2021 14:20

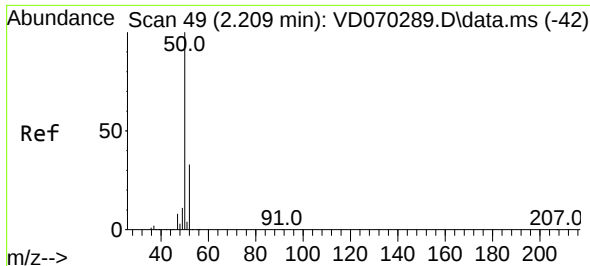
Tgt Ion: 85 Resp: 241

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#

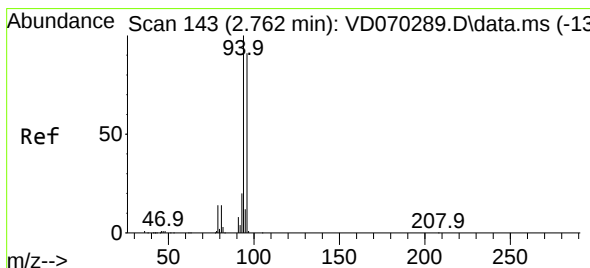
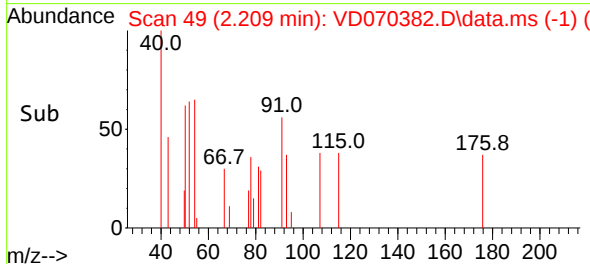
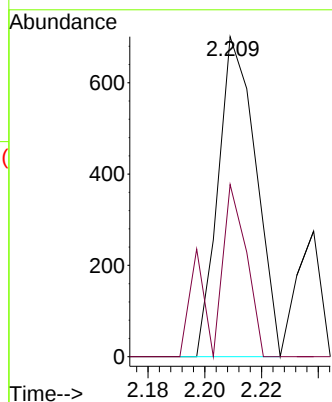
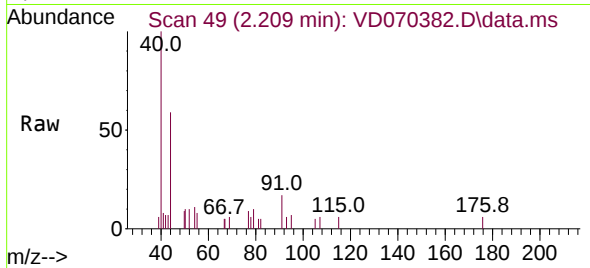




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070382.D
Acq: 20 Sep 2021 14:20

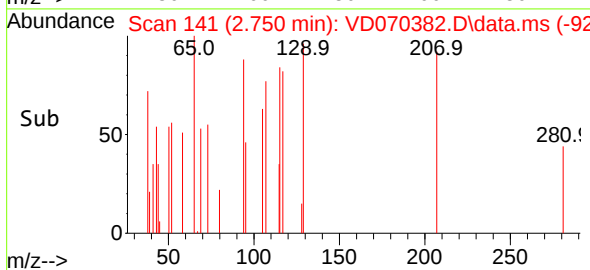
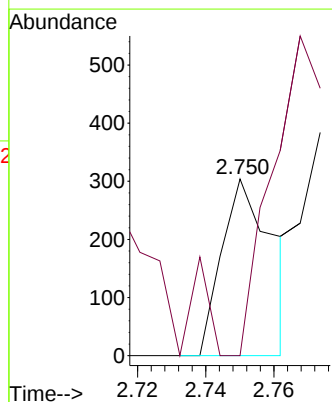
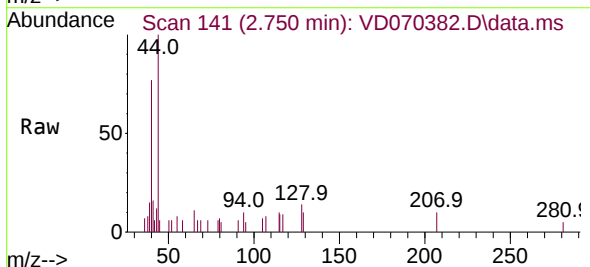
Instrument :
MSVOA_D
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RT4213

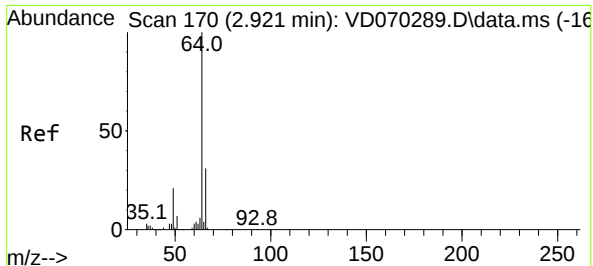
Tgt Ion: 50 Resp: 646
Ion Ratio Lower Upper
50 100
52 53.8 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.750 min Scan# 141
Delta R.T. -0.012 min
Lab File: VD070382.D
Acq: 20 Sep 2021 14:20

Tgt Ion: 94 Resp: 316
Ion Ratio Lower Upper
94 100
96 0.0 73.0 109.6#

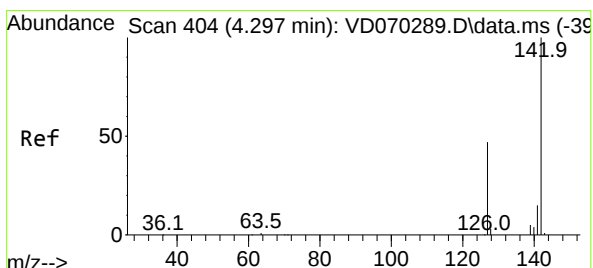
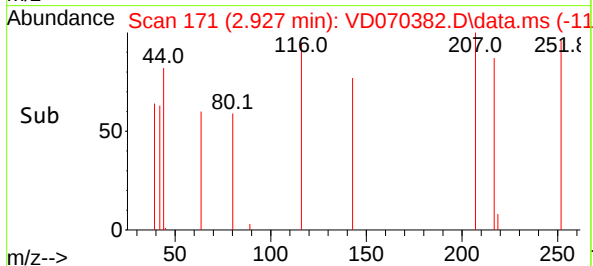
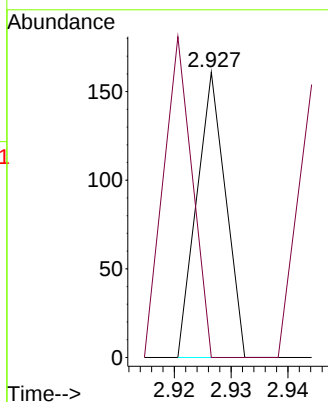
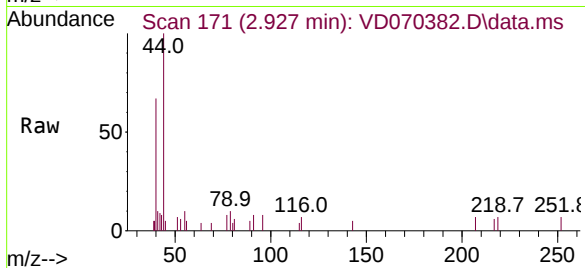




#6
Chloroethane
Concen: Below Cal
RT: 2.927 min Scan# 171
Delta R.T. 0.006 min
Lab File: VD070382.D
Acq: 20 Sep 2021 14:20

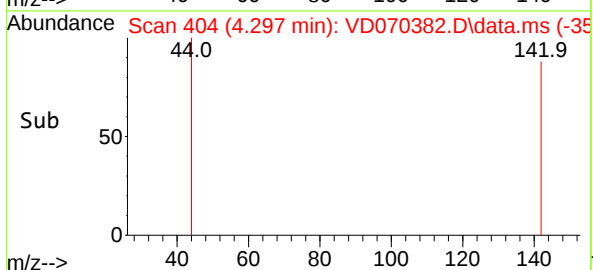
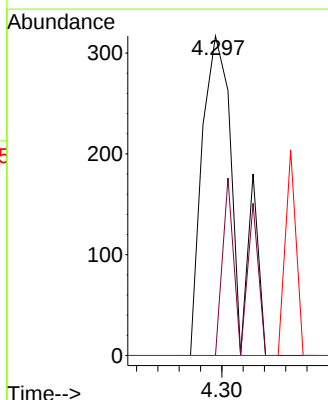
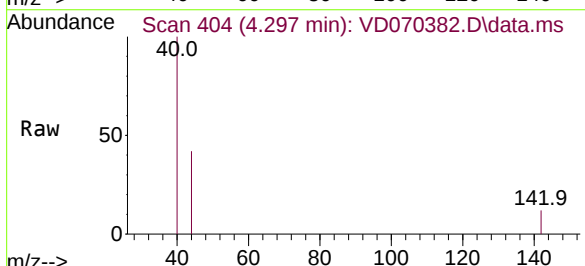
Instrument :
MSVOA_D
ClientSampleID :
RT4213

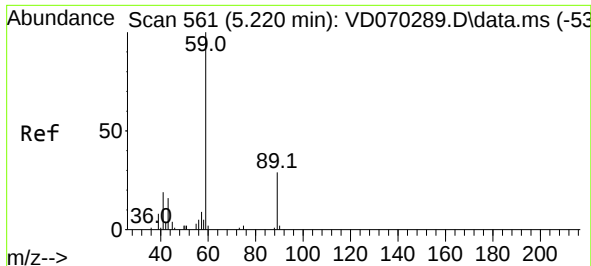
Tgt Ion: 64 Resp: 57
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.249 ug/l
RT: 4.297 min Scan# 404
Delta R.T. 0.000 min
Lab File: VD070382.D
Acq: 20 Sep 2021 14:20

Tgt Ion: 142 Resp: 349
Ion Ratio Lower Upper
142 100
127 33.0 36.9 55.3#
141 0.0 11.8 17.6#

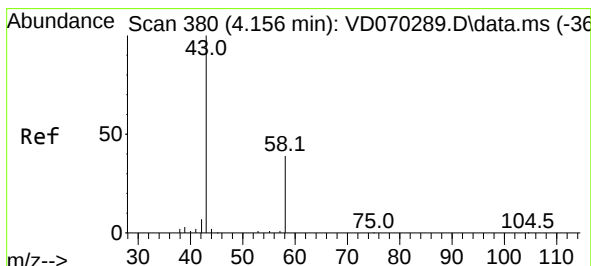
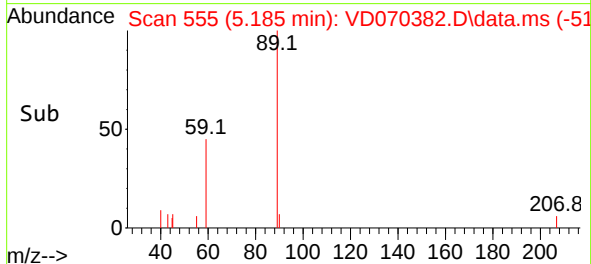
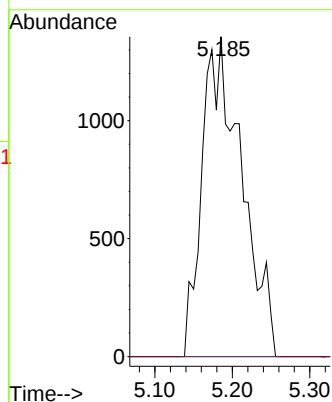
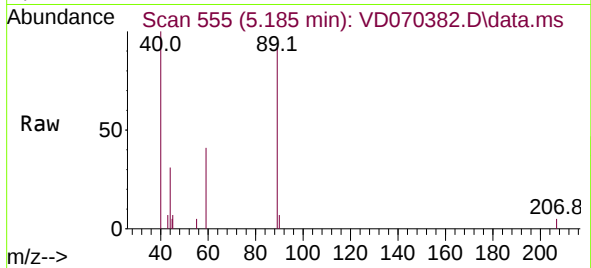




#11
Tert butyl alcohol
Concen: 26.412 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.035 min
Lab File: VD070382.D
Acq: 20 Sep 2021 14:20

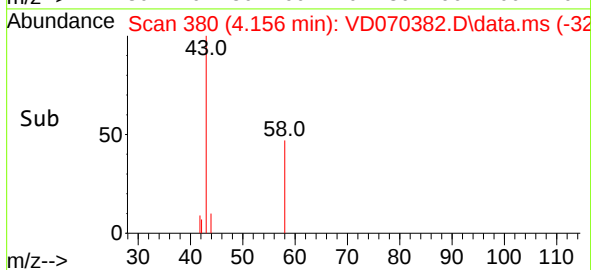
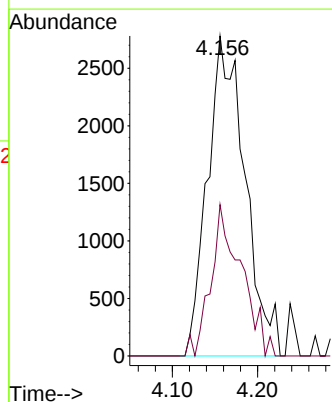
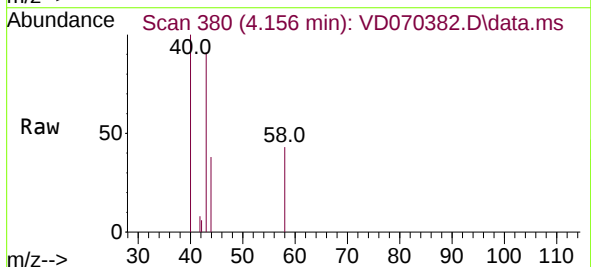
Instrument :
MSVOA_D
ClientSampleId :
RT4213

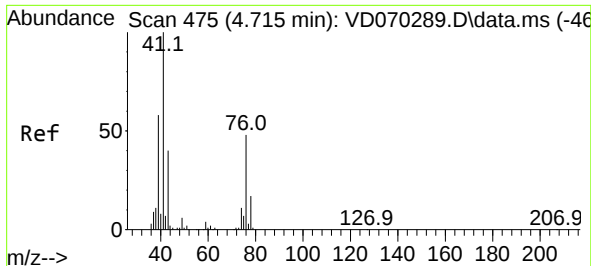
Tgt Ion: 59 Resp: 4817
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 29.429 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070382.D
Acq: 20 Sep 2021 14:20

Tgt Ion: 43 Resp: 8475
Ion Ratio Lower Upper
43 100
58 47.3 30.9 46.3#

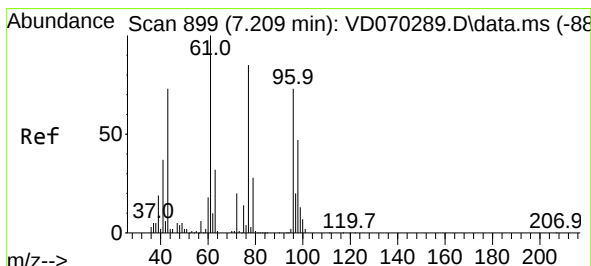
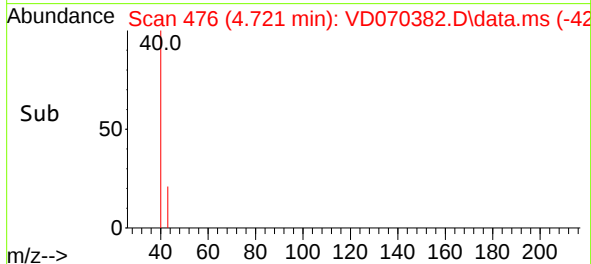
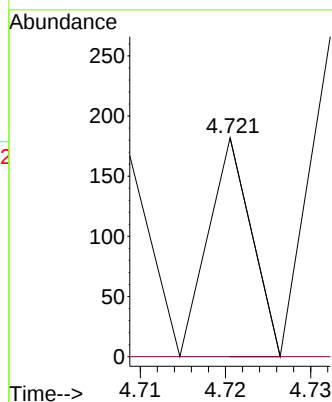
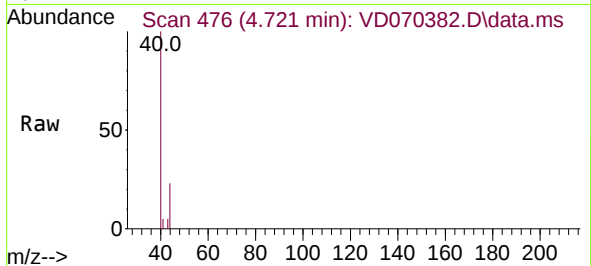




#18
Methyl Acetate
Concen: Below Cal
RT: 4.721 min Scan# 476
Delta R.T. 0.006 min
Lab File: VD070382.D
Acq: 20 Sep 2021 14:20

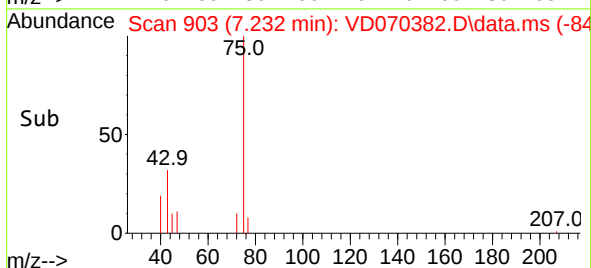
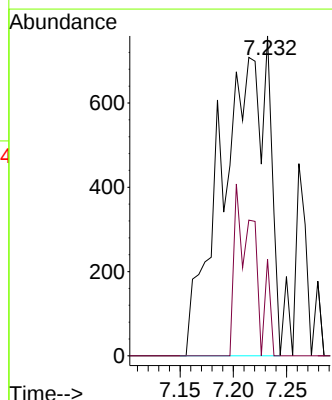
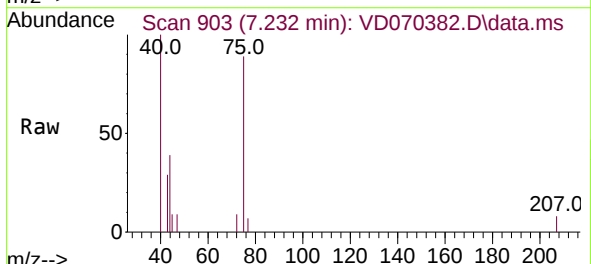
Instrument :
MSVOA_D
ClientSampleId :
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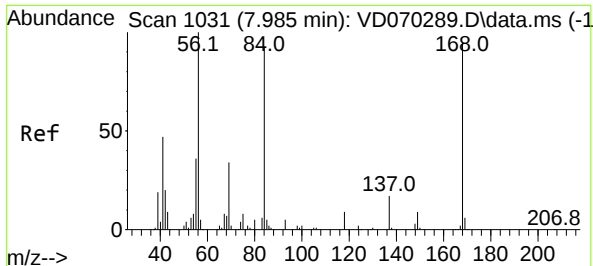
Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#25
2-Butanone
Concen: 5.916 ug/l
RT: 7.232 min Scan# 903
Delta R.T. 0.024 min
Lab File: VD070382.D
Acq: 20 Sep 2021 14:20

Tgt Ion: 43 Resp: 2268
Ion Ratio Lower Upper
43 100
72 30.2 22.2 33.4

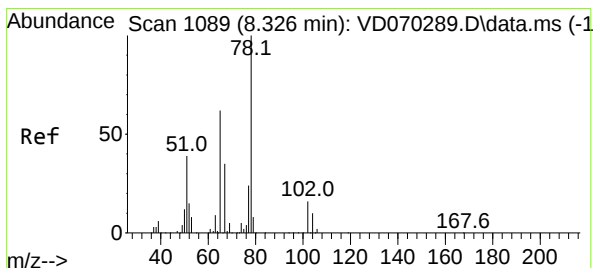
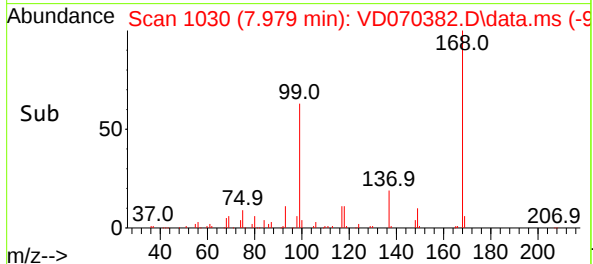
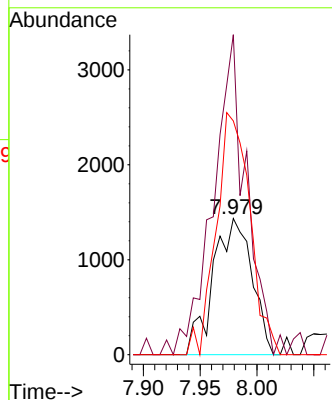
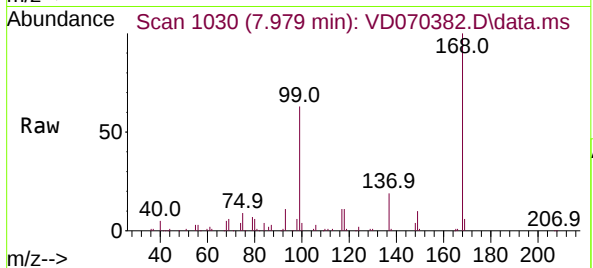




#31
Cyclohexane
Concen: 1.227 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070382.D
Acq: 20 Sep 2021 14:20

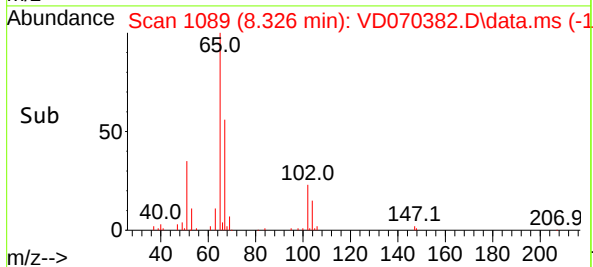
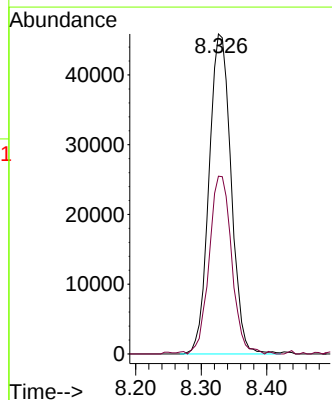
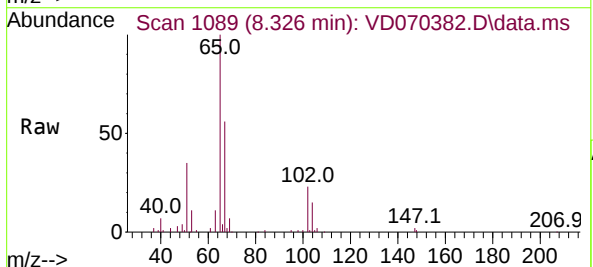
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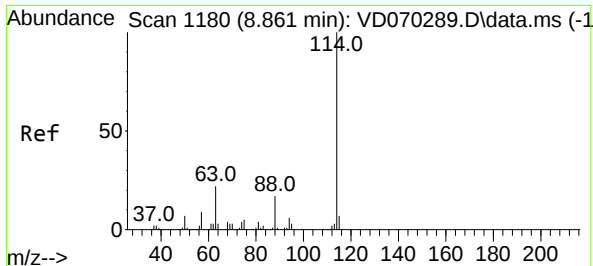
Tgt Ion: 56 Resp: 3410
Ion Ratio Lower Upper
56 100
69 220.5 26.9 40.3#
84 171.7 73.6 110.4#



#33
1,2-Dichloroethane-d4
Concen: 66.389 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070382.D
Acq: 20 Sep 2021 14:20

Tgt Ion: 65 Resp: 107086
Ion Ratio Lower Upper
65 100
67 56.8 0.0 111.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070382.D

Acq: 20 Sep 2021 14:20

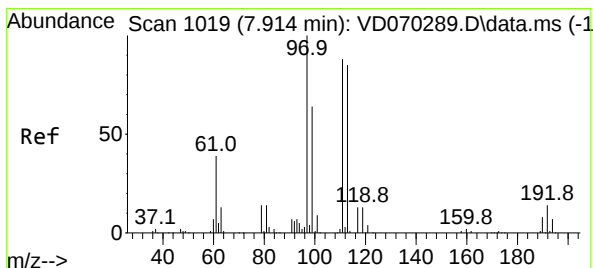
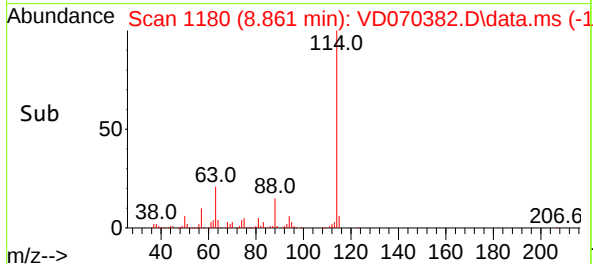
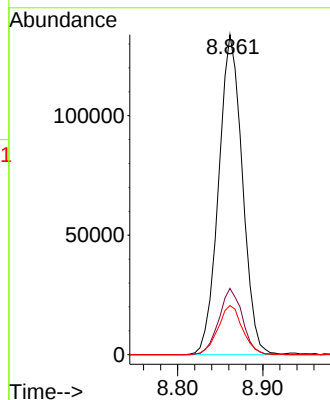
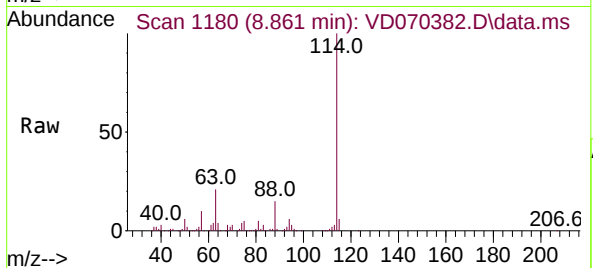
Instrument :

MSVOA_D

ClientSampleId :

RT4213

Tgt Ion:	114	Resp:	259575
Ion Ratio	Lower	Upper	
114	100		
63	20.7	0.0	43.4
88	15.3	0.0	33.4



#35

Dibromofluoromethane

Concen: 56.573 ug/l

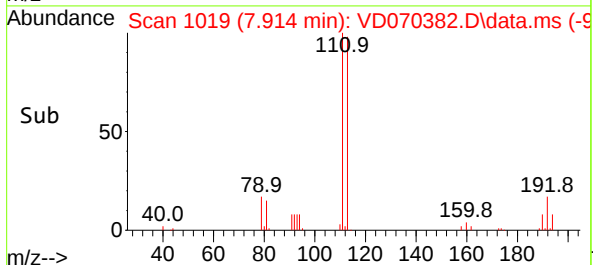
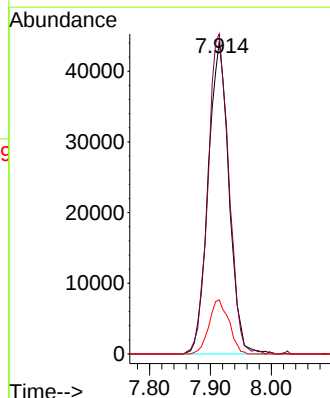
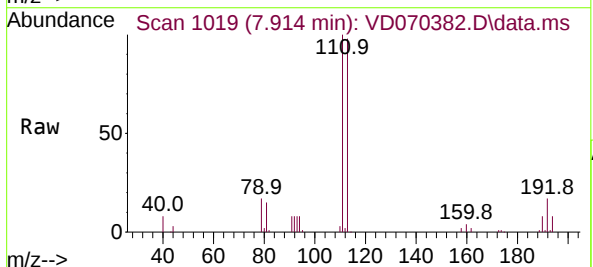
RT: 7.914 min Scan# 1019

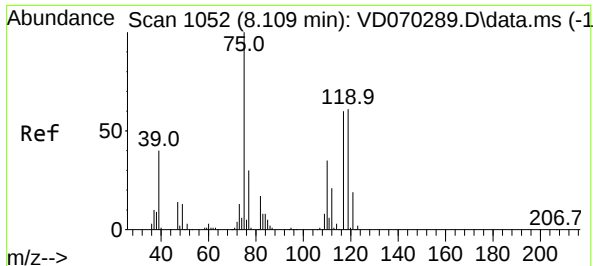
Delta R.T. 0.000 min

Lab File: VD070382.D

Acq: 20 Sep 2021 14:20

Tgt Ion:	113	Resp:	104530
Ion Ratio	Lower	Upper	
113	100		
111	103.0	81.4	122.2
192	16.6	13.0	19.6

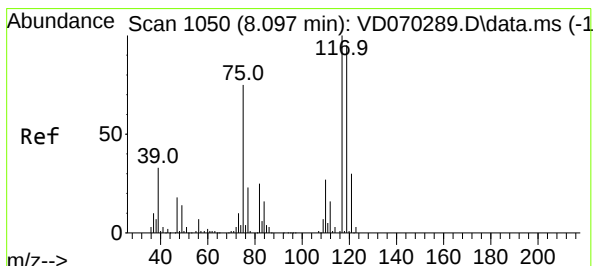
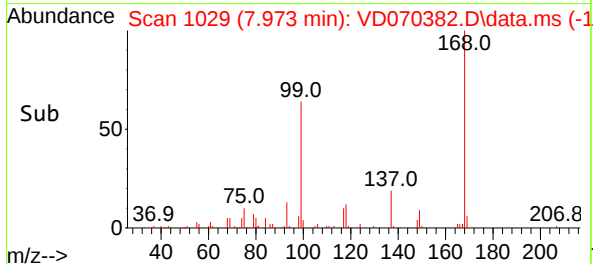
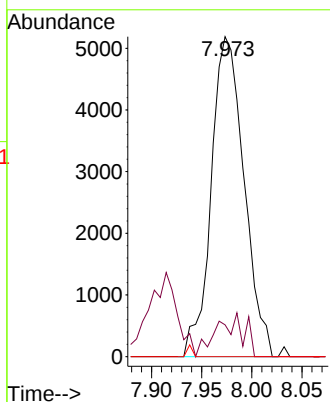
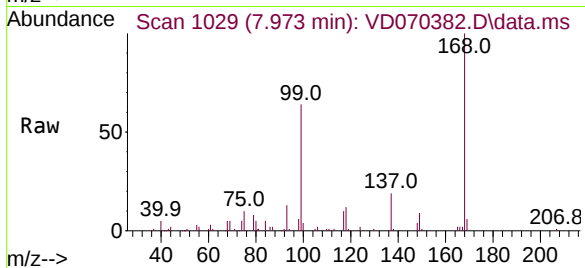




#36
1,1-Dichloropropene
Concen: 4.251 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070382.D
Acq: 20 Sep 2021 14:20

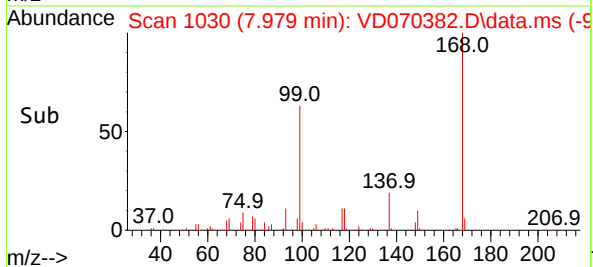
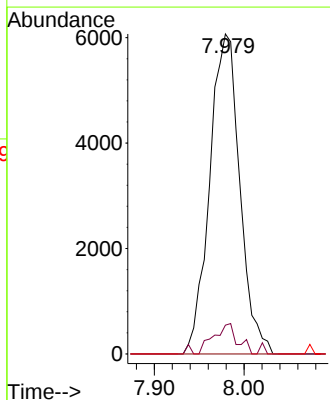
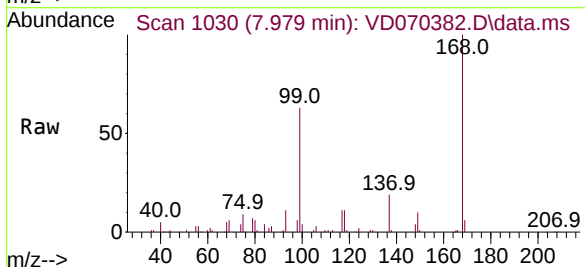
Instrument :
MSVOA_D
ClientSampleId :
RT4213

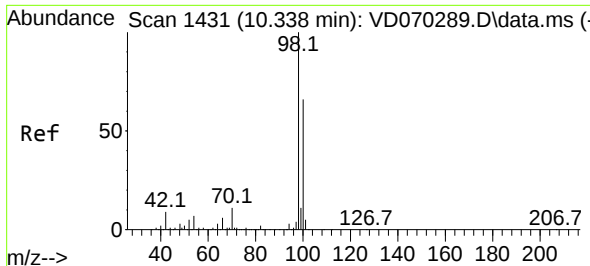
Tgt Ion: 75 Resp: 11794
Ion Ratio Lower Upper
75 100
110 6.7 17.9 53.7#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.161 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070382.D
Acq: 20 Sep 2021 14:20

Tgt Ion: 117 Resp: 14161
Ion Ratio Lower Upper
117 100
119 9.0 76.1 114.1#
121 0.0 23.8 35.6#

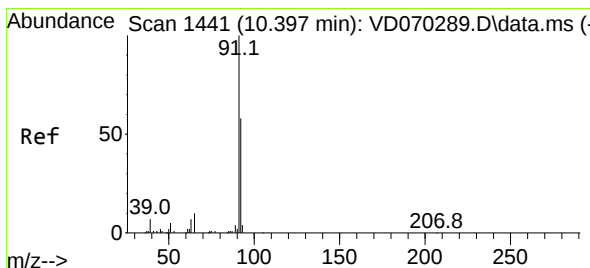
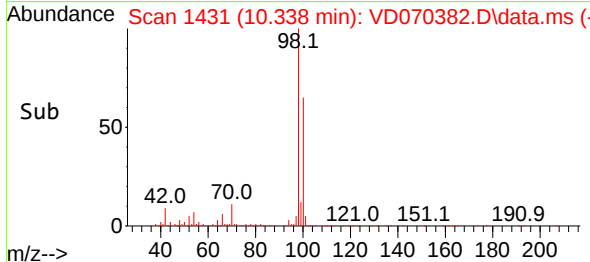
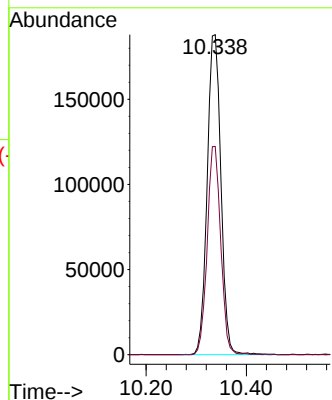
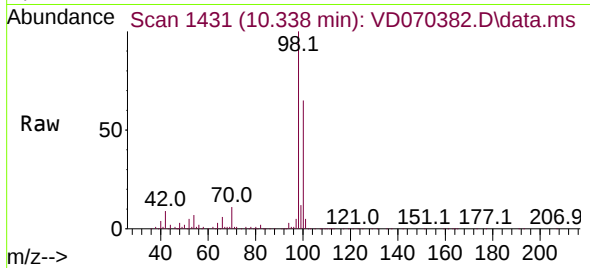




#50
Toluene-d8
Concen: 53.257 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD070382.D
Acq: 20 Sep 2021 14:20

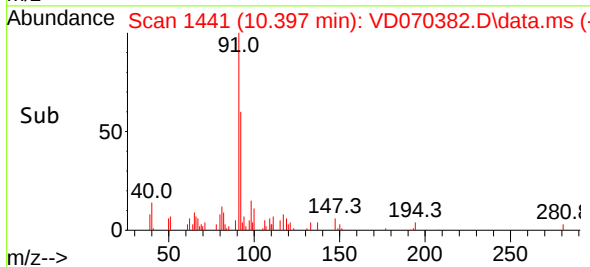
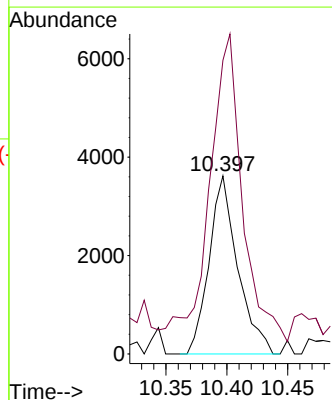
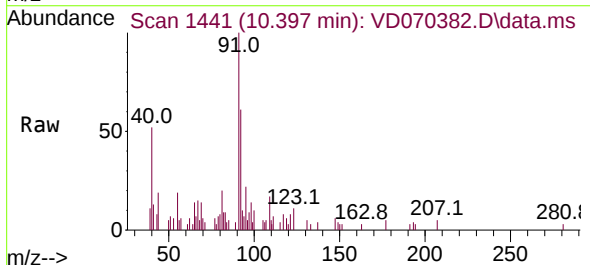
Instrument :
MSVOA_D
ClientSampleId :
RT4213

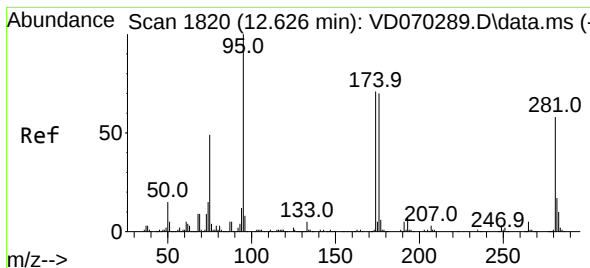
Tgt Ion: 98 Resp: 357275
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#52
Toluene
Concen: 1.204 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VD070382.D
Acq: 20 Sep 2021 14:20

Tgt Ion: 92 Resp: 5914
Ion Ratio Lower Upper
92 100
91 197.8 136.2 204.2

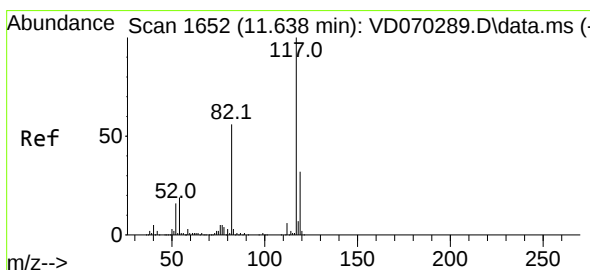
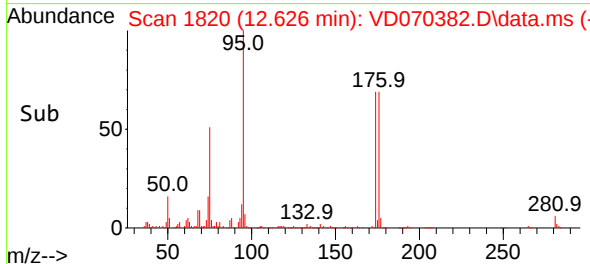
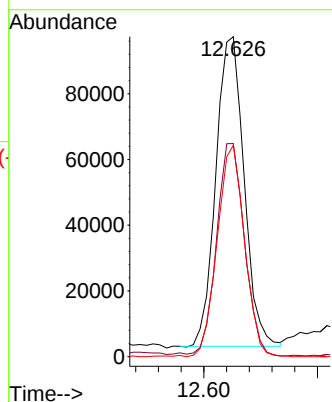
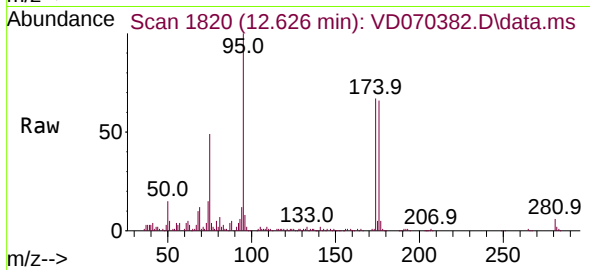




#62
4-Bromofluorobenzene
Concen: 69.131 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070382.D
Acq: 20 Sep 2021 14:20

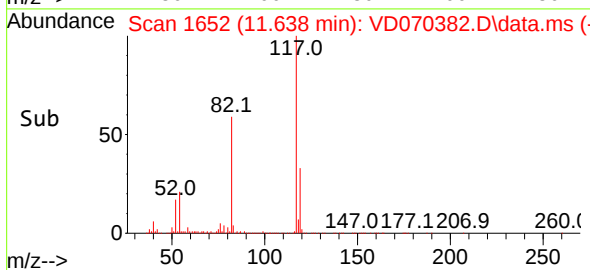
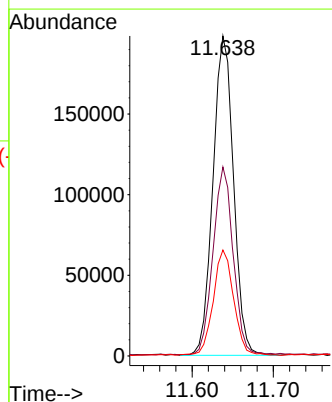
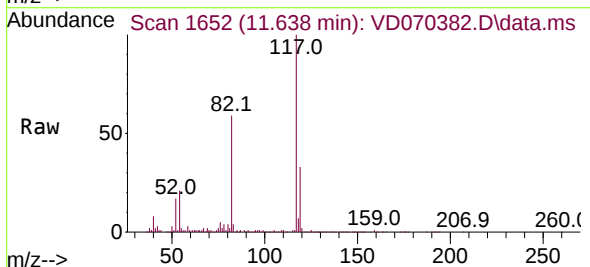
Instrument :
MSVOA_D
ClientSampleId :
RT4213

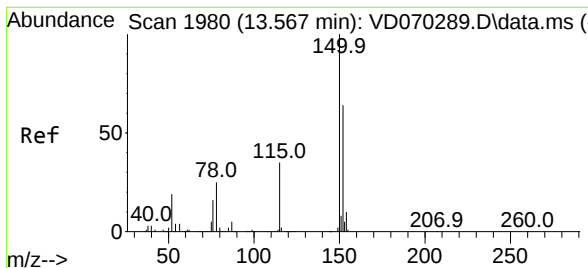
Tgt Ion: 95 Resp: 162079
Ion Ratio Lower Upper
95 100
174 67.9 0.0 140.6
176 66.5 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070382.D
Acq: 20 Sep 2021 14:20

Tgt Ion: 117 Resp: 348828
Ion Ratio Lower Upper
117 100
82 58.7 45.0 67.4
119 32.9 25.2 37.8

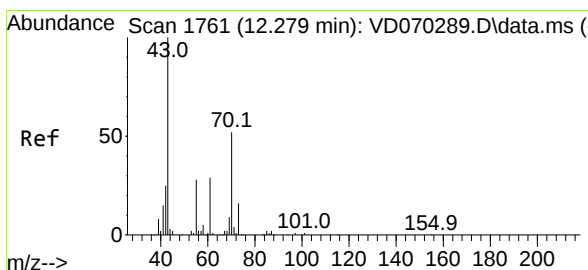
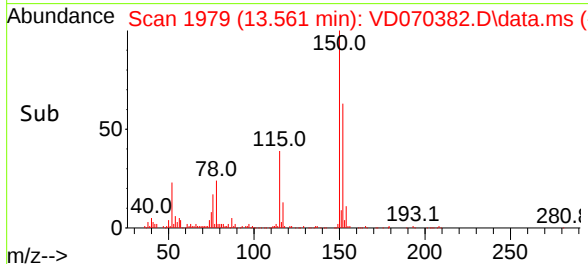
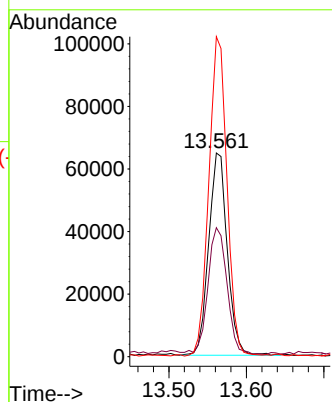
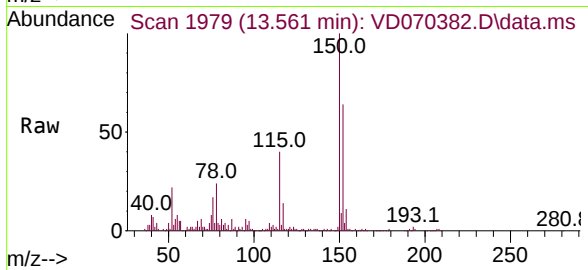




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070382.D
Acq: 20 Sep 2021 14:20

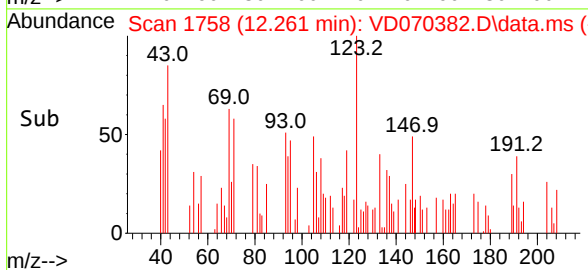
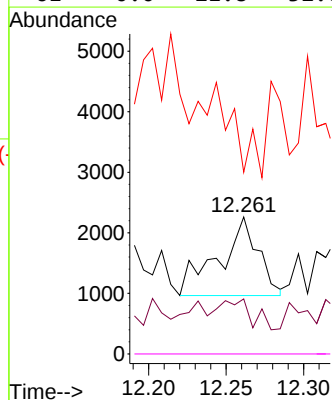
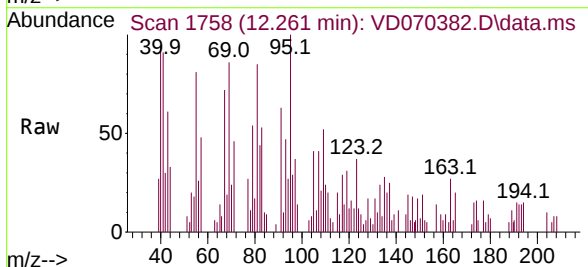
Instrument :
MSVOA_D
ClientSampleId :
RT4213

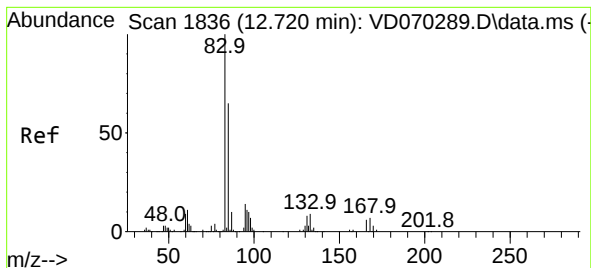
Tgt Ion:152 Resp: 107865
Ion Ratio Lower Upper
152 100
115 63.9 32.1 96.3
150 153.6 0.0 350.6



#74
N-ethyl acetate
Concen: 1.398 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD070382.D
Acq: 20 Sep 2021 14:20

Tgt Ion: 43 Resp: 2304
Ion Ratio Lower Upper
43 100
70 32.4 41.4 62.0#
55 49.3 22.8 34.2#
61 0.0 21.8 32.6#

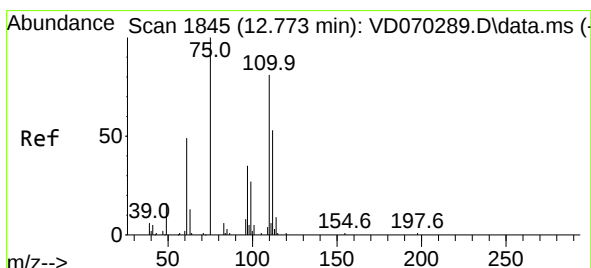
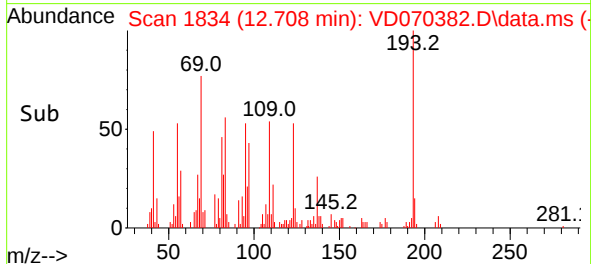
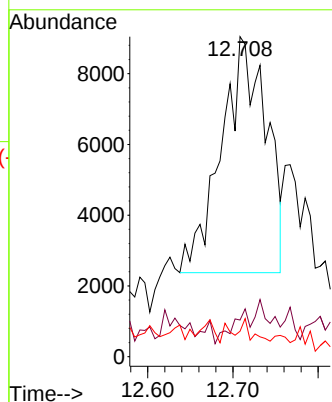
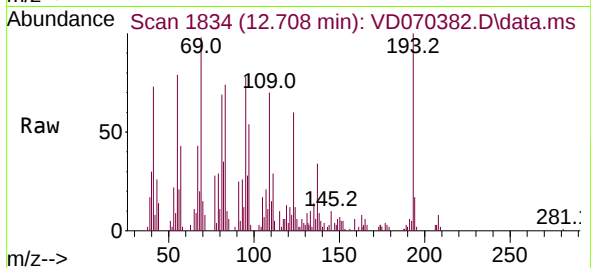




#75
 1,1,2,2-Tetrachloroethane
 Concen: 15.169 ug/l
 RT: 12.708 min Scan# 1834
 Delta R.T. -0.012 min
 Lab File: VD070382.D
 Acq: 20 Sep 2021 14:20

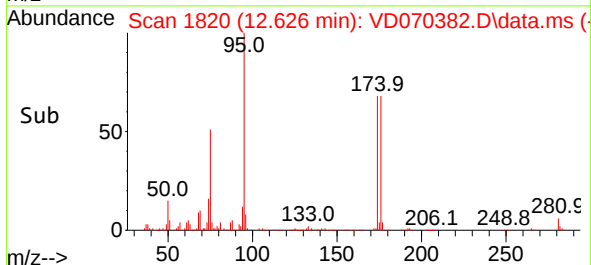
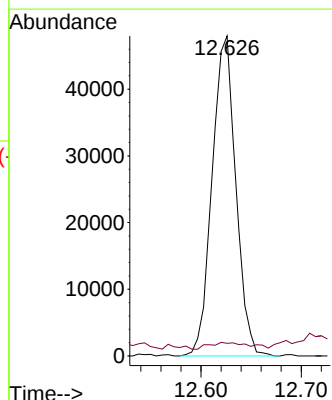
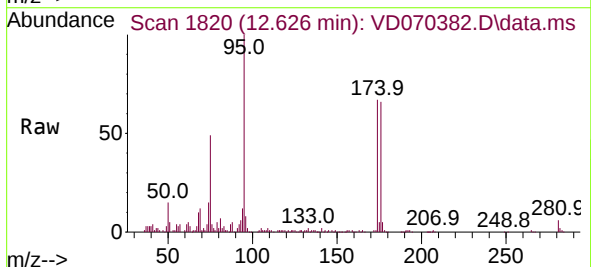
Instrument :
 MSVOA_D
 ClientSampleId :
 RT4213

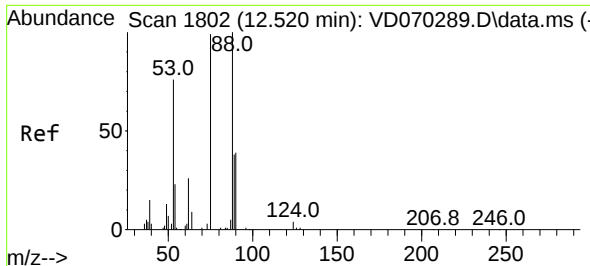
Tgt Ion: 83 Resp: 24576
 Ion Ratio Lower Upper
 83 100
 131 2.3 4.8 14.4#
 85 2.2 32.1 96.3#



#76
 1,2,3-Trichloropropane
 Concen: 72.282 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070382.D
 Acq: 20 Sep 2021 14:20

Tgt Ion: 75 Resp: 78865
 Ion Ratio Lower Upper
 75 100
 77 3.7 174.9 524.7#

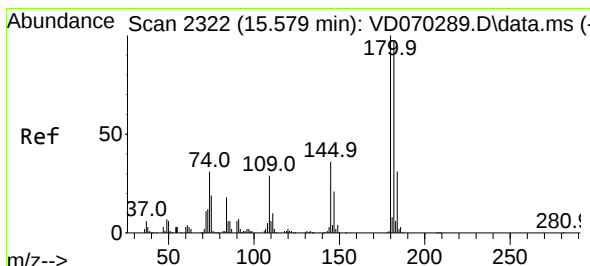
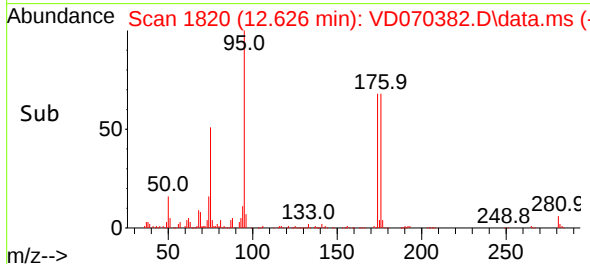
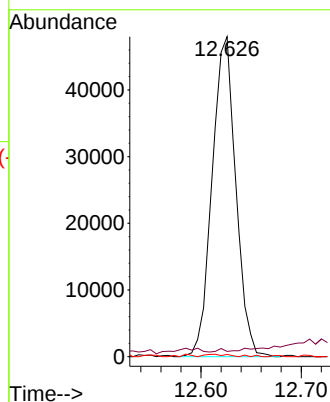
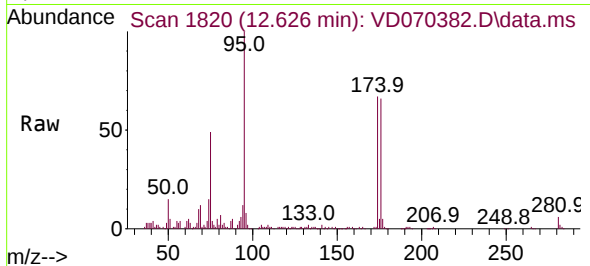




#81
trans-1,4-Dichloro-2-butene
Concen: 181.110 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070382.D
Acq: 20 Sep 2021 14:20

Instrument :
MSVOA_D
ClientSampleId :
RT4213

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.4	64.2	96.2#
89	0.7	35.6	53.4#



#96
1,2,3-Trichlorobenzene
Concen: 4.580 ug/l
RT: 15.596 min Scan# 2325
Delta R.T. 0.018 min
Lab File: VD070382.D
Acq: 20 Sep 2021 14:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.9	143.6#
145	56.6	17.7	53.1#

