

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030921\
 Data File : VD068574.D
 Acq On : 09 Mar 2021 12:47
 Operator : VA/SY
 Sample : M1598-01RE
 Misc : 5.97G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 10 00:00:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

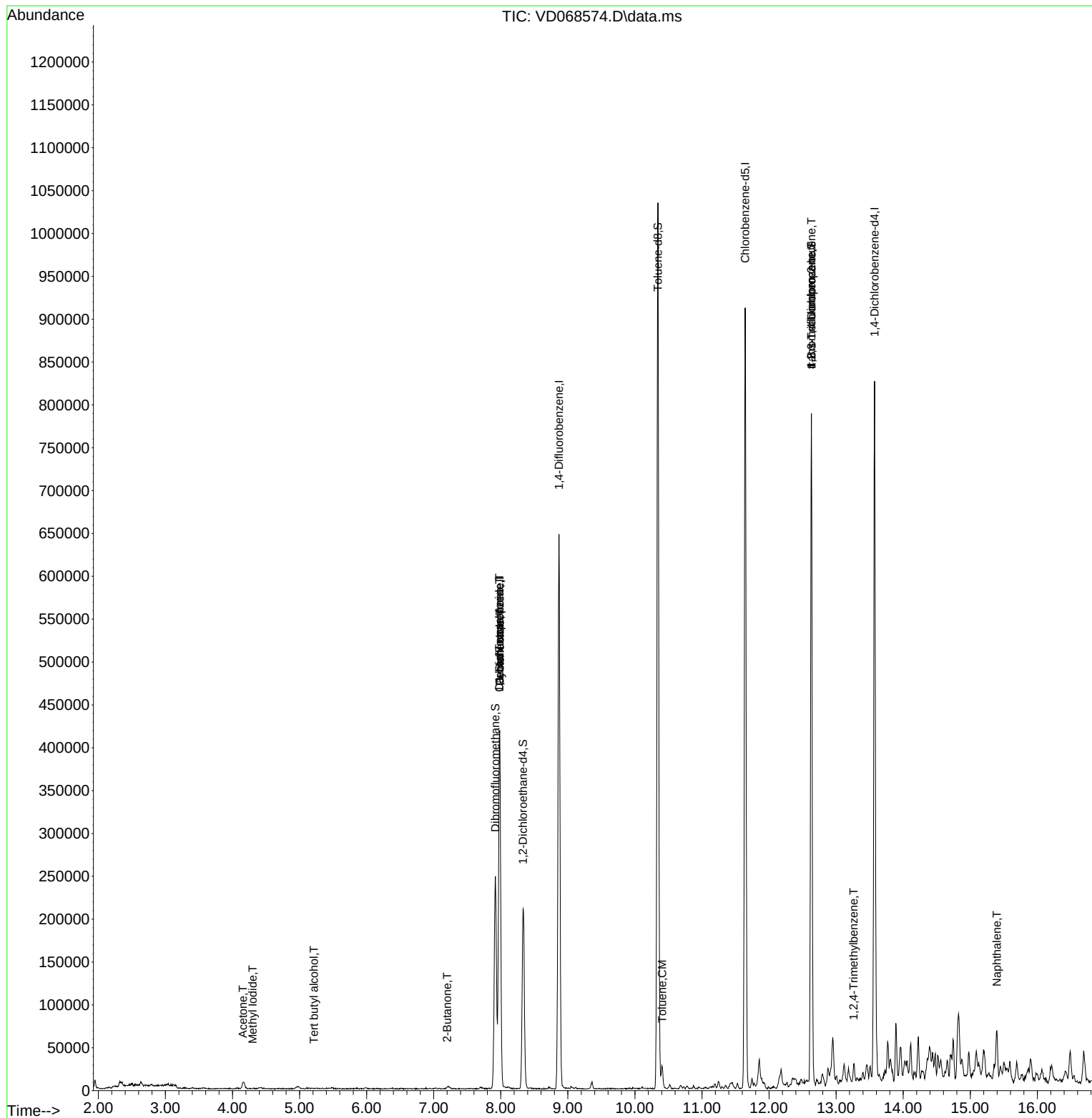
Internal Standards						
1) Pentafluorobenzene	7.985	168	324150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	582043	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	550137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	213892	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	167372	51.68	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.36%	
35) Dibromofluoromethane	7.920	113	178150	50.81	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.62%	
50) Toluene-d8	10.344	98	720554	51.59	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.18%	
62) 4-Bromofluorobenzene	12.632	95	227548	50.56	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.12%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	414	2.72	ug/l #	80
11) Tert butyl alcohol	5.214	59	325	1.88	ug/l #	74
16) Acetone	4.156	43	14082	27.37	ug/l	100
20) Methylene Chloride	4.967	84	1397	Below Cal	#	83
25) 2-Butanone	7.203	43	1446	1.96	ug/l #	43
31) Cyclohexane	7.985	56	7523	1.28	ug/l #	24
36) 1,1-Dichloropropene	7.979	75	24087	4.35	ug/l #	49
38) Carbon Tetrachloride	7.979	117	32679	6.29	ug/l #	15
52) Toluene	10.408	92	10517	1.04	ug/l	97
76) 1,2,3-Trichloropropane	12.632	75	113682	59.87	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	113682	139.71	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.261	105	13265	1.02	ug/l	94
95) Naphthalene	15.396	128	52576	6.27	ug/l #	96

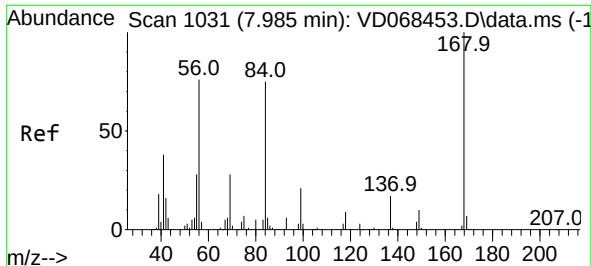
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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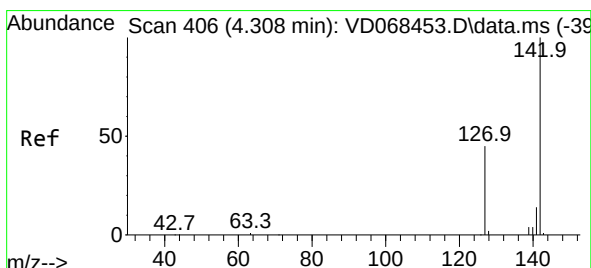
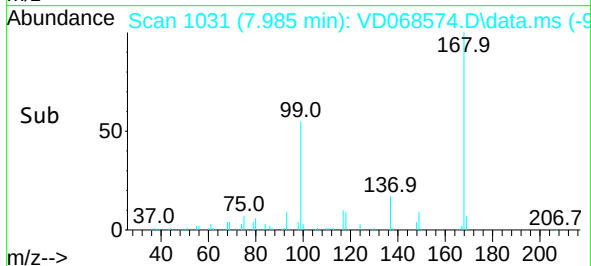
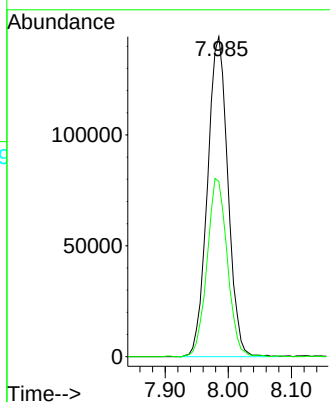
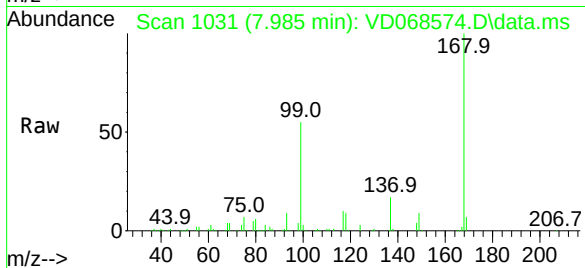




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068574.D
Acq: 09 Mar 2021 12:47

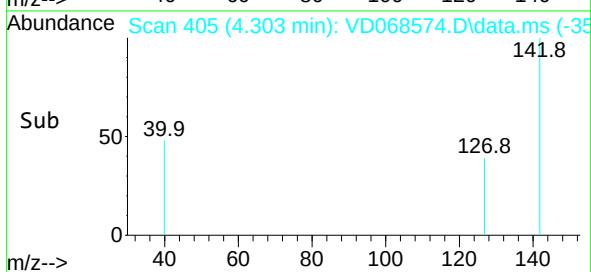
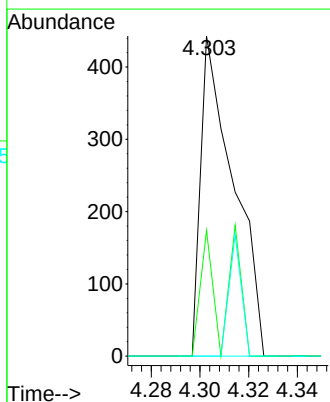
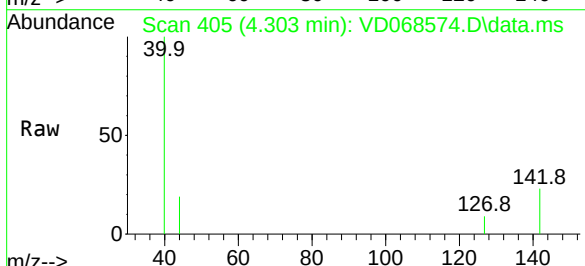
Instrument :
MSVOA_D
ClientSampleId :

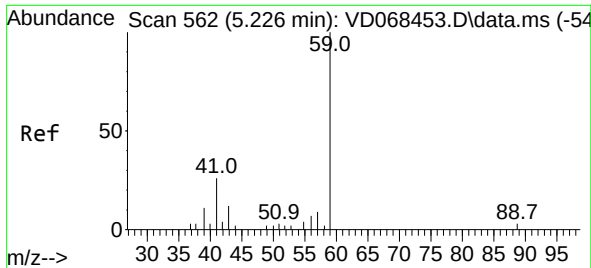
Tgt Ion:168 Resp: 324150
Ion Ratio Lower Upper
168 100
99 54.8 43.5 65.3



#10
Methyl Iodide
Concen: 2.72 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.005 min
Lab File: VD068574.D
Acq: 09 Mar 2021 12:47

Tgt Ion:142 Resp: 414
Ion Ratio Lower Upper
142 100
127 30.2 37.9 56.9#
141 14.3 11.5 17.3

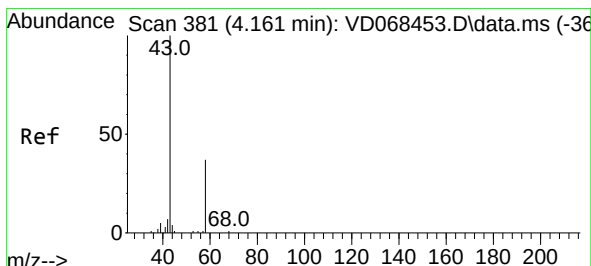
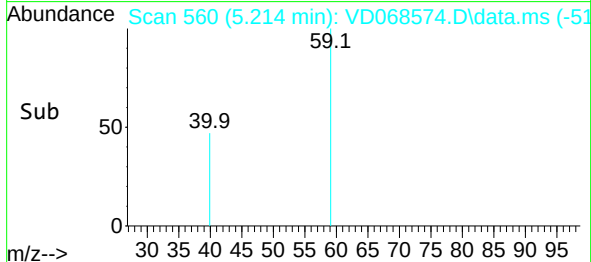
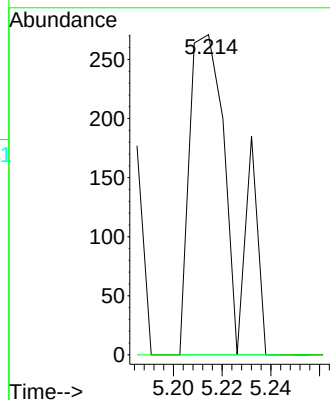
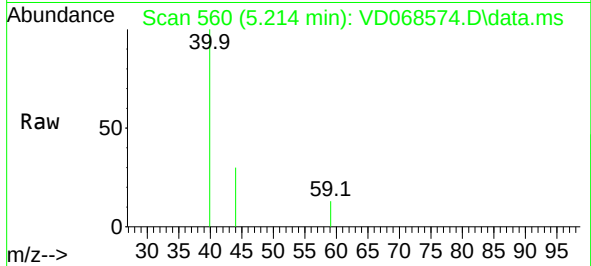




#11
Tert butyl alcohol
Concen: 1.88 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.011 min
Lab File: VD068574.D
Acq: 09 Mar 2021 12:47

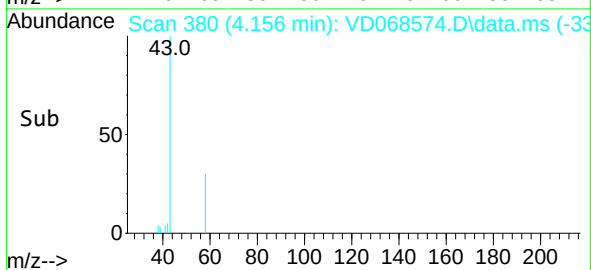
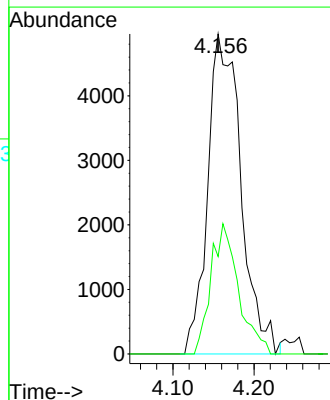
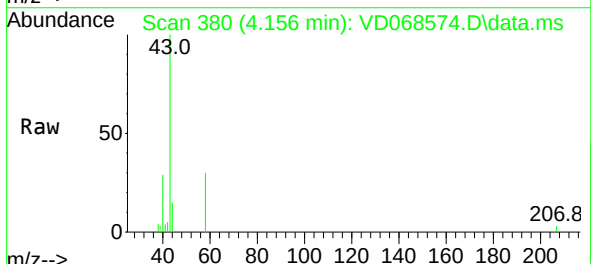
Instrument :
MSVOA_D
ClientSampleId :

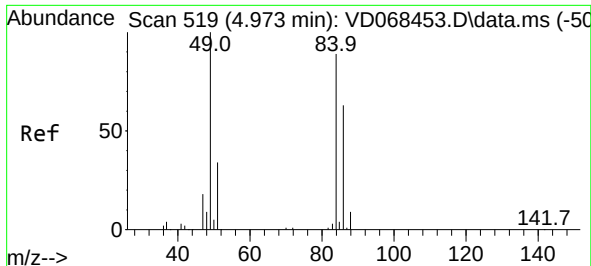
Tgt Ion: 59 Resp: 325
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 27.37 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068574.D
Acq: 09 Mar 2021 12:47

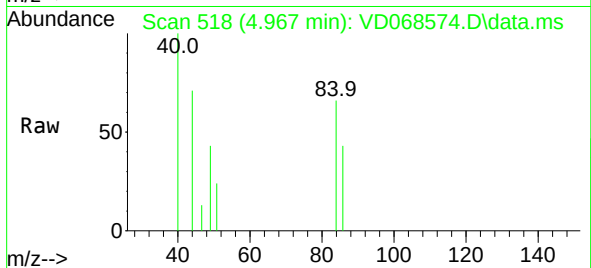
Tgt Ion: 43 Resp: 14082
Ion Ratio Lower Upper
43 100
58 30.4 24.2 36.4



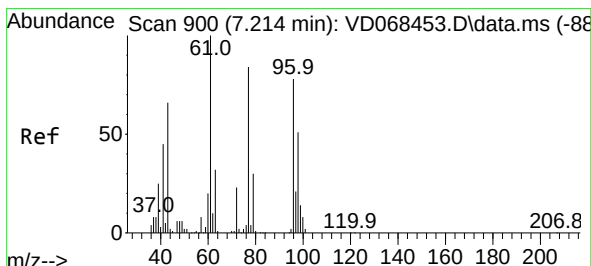
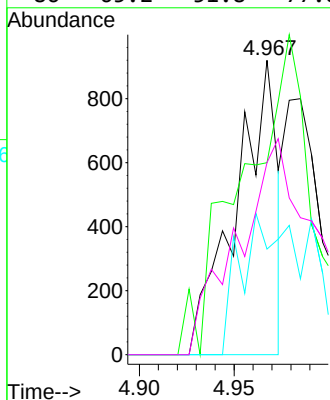
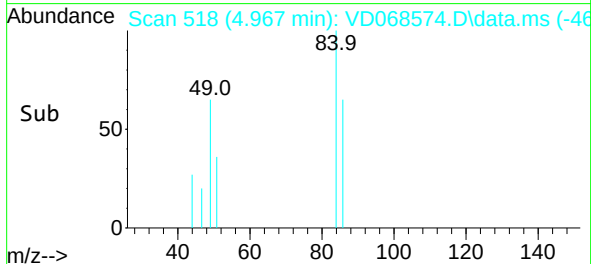


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD068574.D
Acq: 09 Mar 2021 12:47

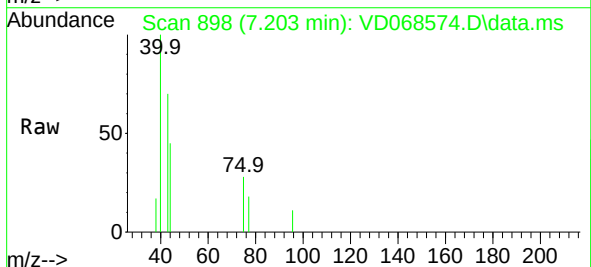
Instrument :
MSVOA_D
ClientSampleId :



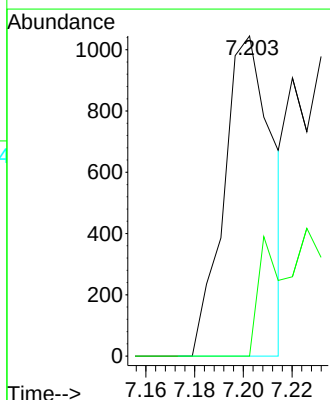
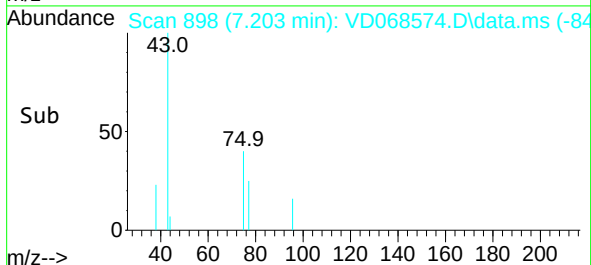
Tgt Ion:	84	Resp:	1397
Ion	Ratio	Lower	Upper
84	100		
49	65.2	77.4	116.2#
51	35.9	26.1	39.1
86	65.2	51.8	77.8

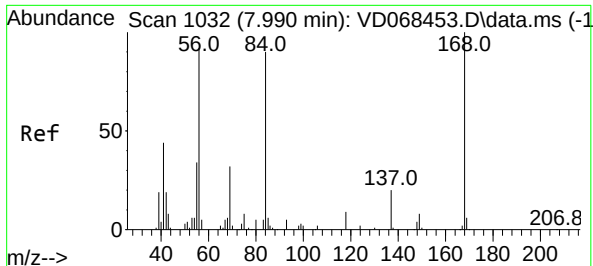


#25
2-Butanone
Concen: 1.96 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.011 min
Lab File: VD068574.D
Acq: 09 Mar 2021 12:47



Tgt Ion:	43	Resp:	1446
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.1	37.7#

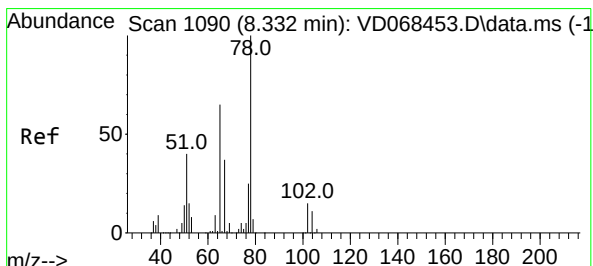
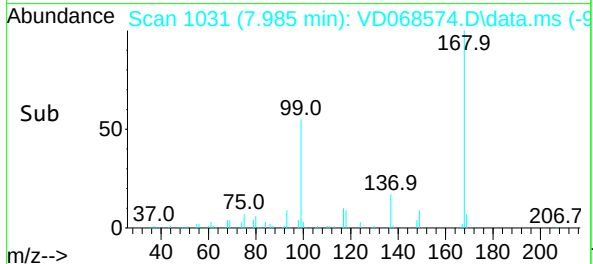
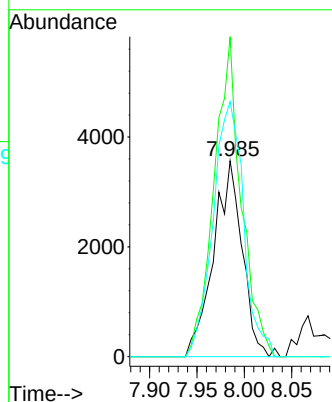
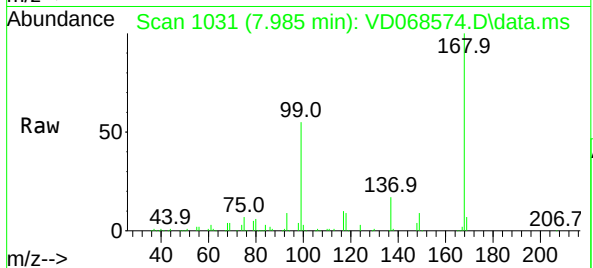




#31
Cyclohexane
Concen: 1.28 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD068574.D
Acq: 09 Mar 2021 12:47

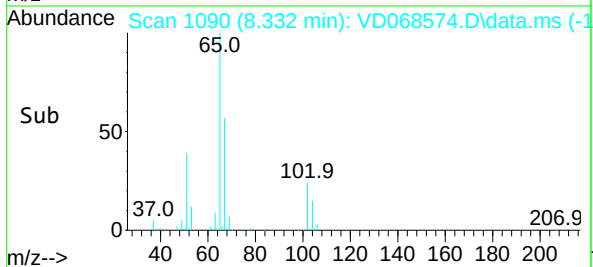
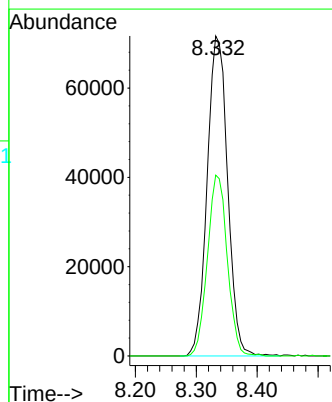
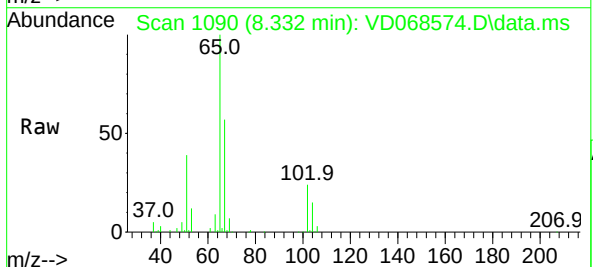
Instrument :
MSVOA_D
ClientSampleId :

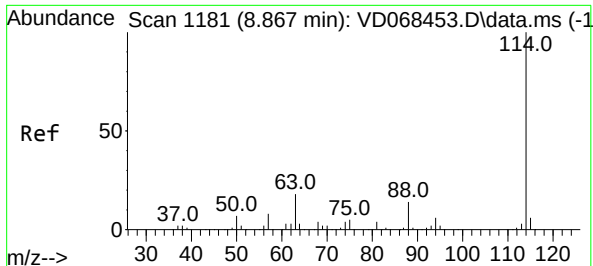
Tgt Ion: 56 Resp: 7523
Ion Ratio Lower Upper
56 100
69 163.4 30.1 45.1#
84 130.2 82.1 123.1#



#33
1,2-Dichloroethane-d4
Concen: 51.68 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068574.D
Acq: 09 Mar 2021 12:47

Tgt Ion: 65 Resp: 167372
Ion Ratio Lower Upper
65 100
67 54.8 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VD068574.D

Acq: 09 Mar 2021 12:47

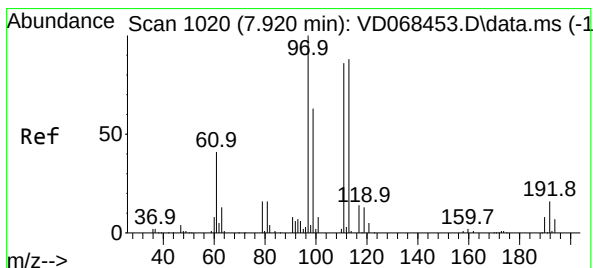
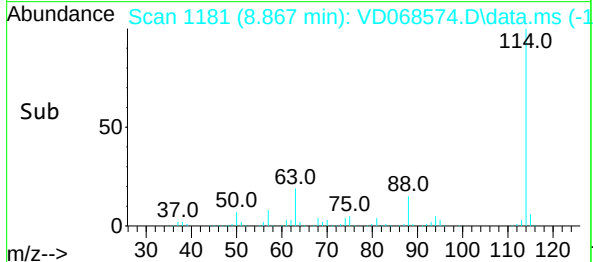
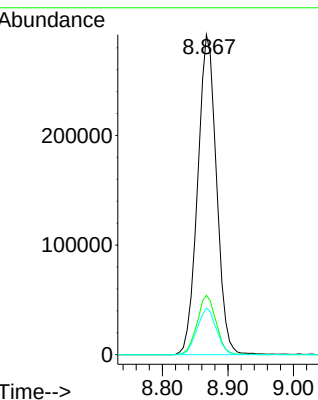
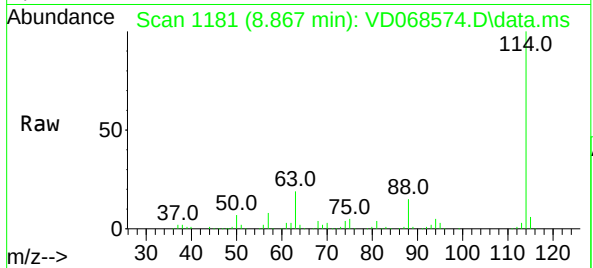
Tgt Ion:114 Resp: 582043

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.8

88 14.6 0.0 31.6



#35

Dibromofluoromethane

Concen: 50.81 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068574.D

Acq: 09 Mar 2021 12:47

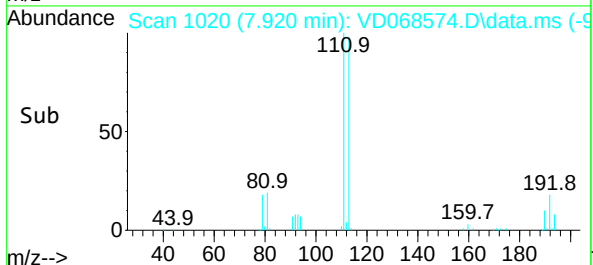
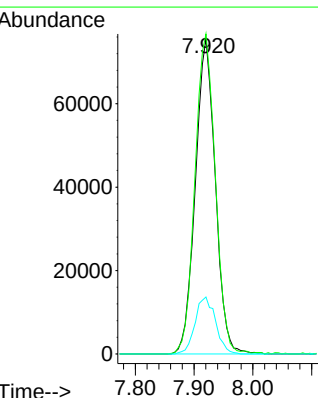
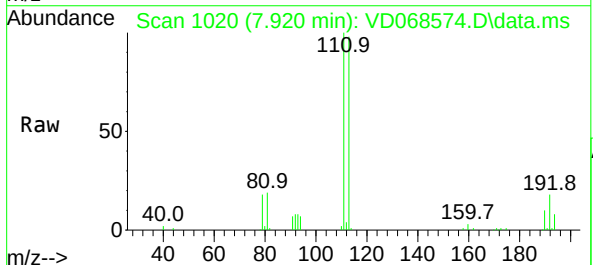
Tgt Ion:113 Resp: 178150

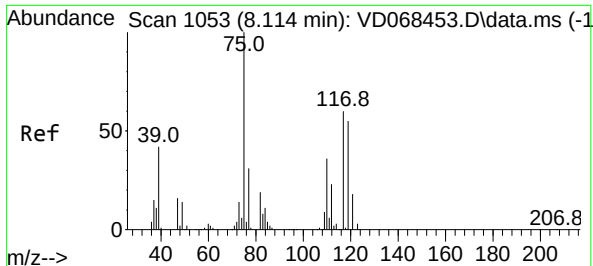
Ion Ratio Lower Upper

113 100

111 103.4 81.4 122.0

192 18.5 16.1 24.1

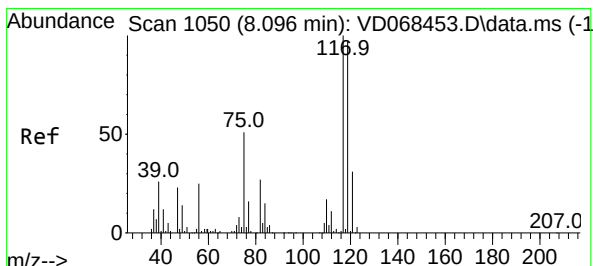
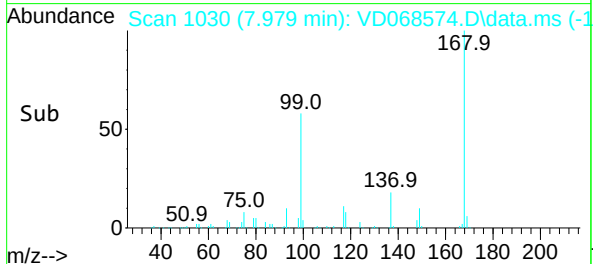
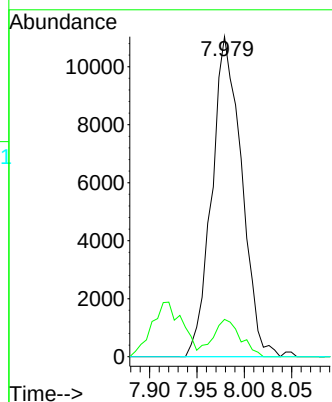
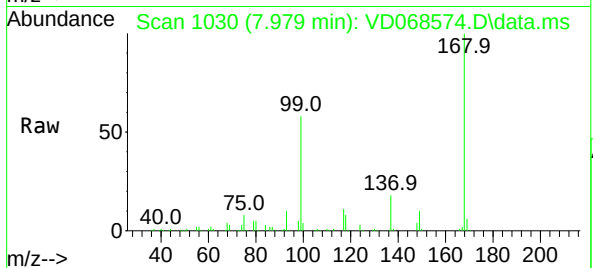




#36
1,1-Dichloropropene
Concen: 4.35 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068574.D
Acq: 09 Mar 2021 12:47

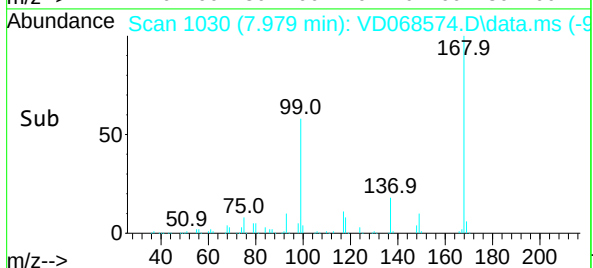
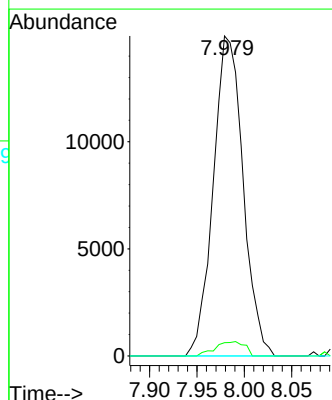
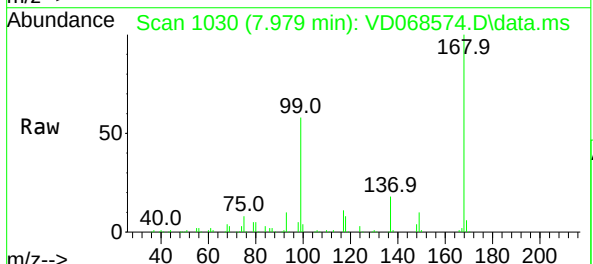
Instrument :
MSVOA_D
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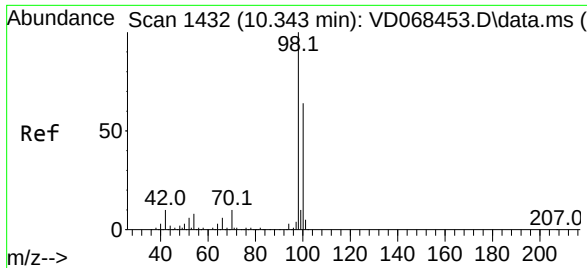
Tgt Ion: 75 Resp: 24087
Ion Ratio Lower Upper
75 100
110 10.4 19.4 58.2#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.29 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.117 min
Lab File: VD068574.D
Acq: 09 Mar 2021 12:47

Tgt Ion: 117 Resp: 32679
Ion Ratio Lower Upper
117 100
119 4.2 77.3 115.9#
121 0.0 24.7 37.1#

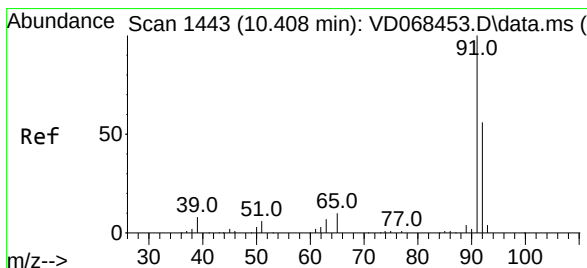
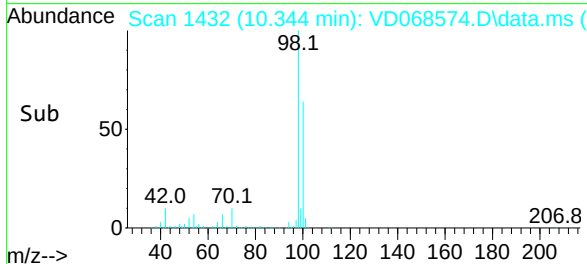
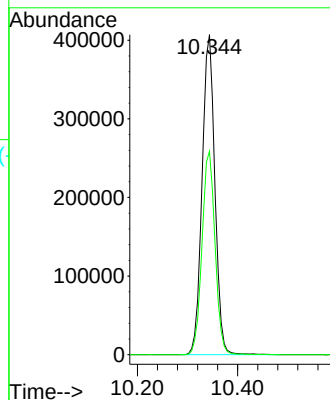
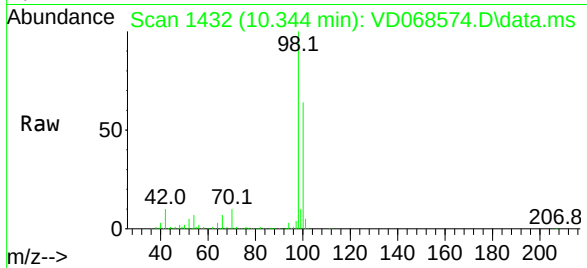




#50
Toluene-d8
Concen: 51.59 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068574.D
Acq: 09 Mar 2021 12:47

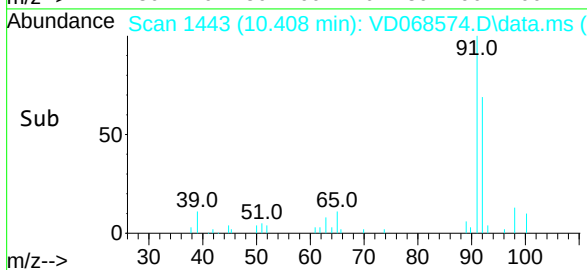
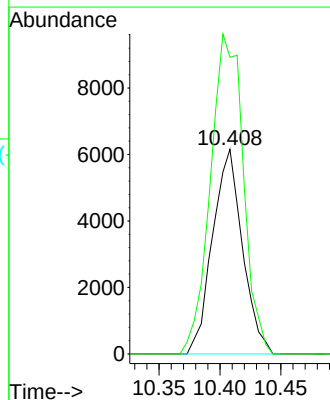
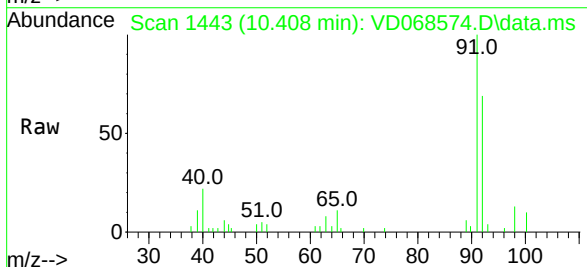
Instrument :
MSVOA_D
ClientSampleId :

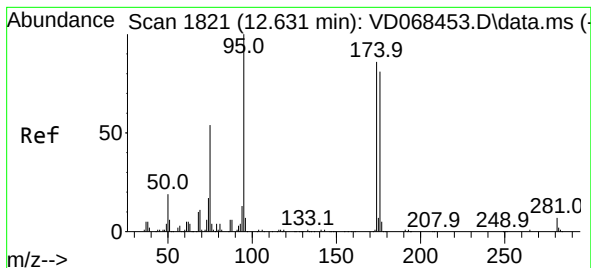
Tgt Ion: 98 Resp: 720554
Ion Ratio Lower Upper
98 100
100 64.9 53.0 79.4



#52
Toluene
Concen: 1.04 ug/l
RT: 10.408 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VD068574.D
Acq: 09 Mar 2021 12:47

Tgt Ion: 92 Resp: 10517
Ion Ratio Lower Upper
92 100
91 171.6 134.1 201.1

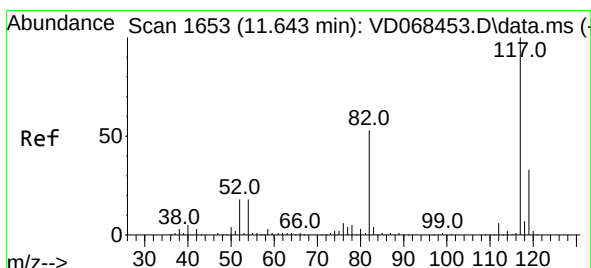
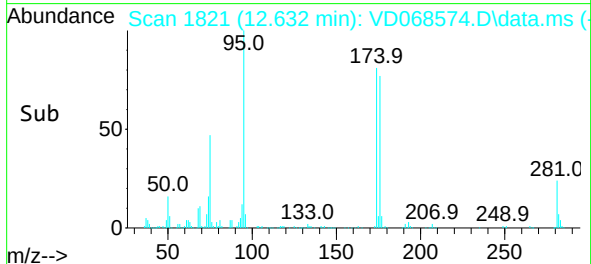
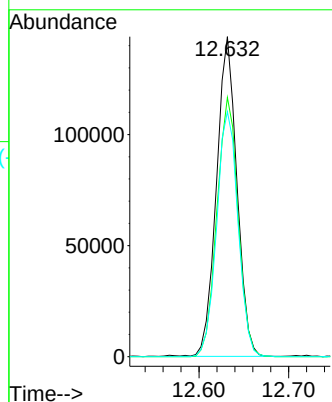
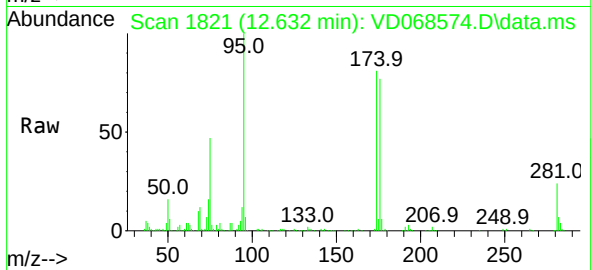




#62
4-Bromofluorobenzene
Concen: 50.56 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068574.D
Acq: 09 Mar 2021 12:47

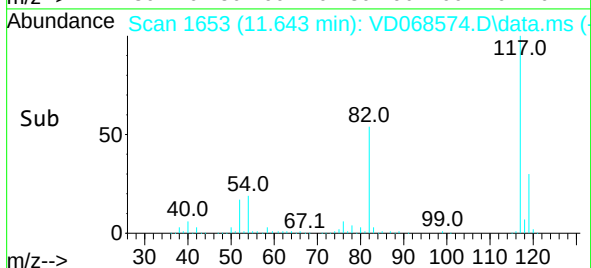
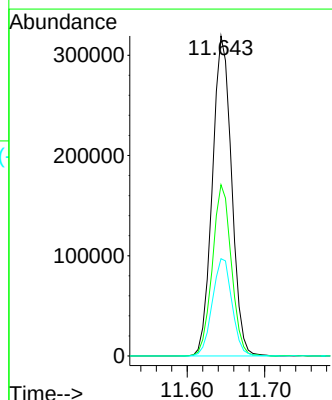
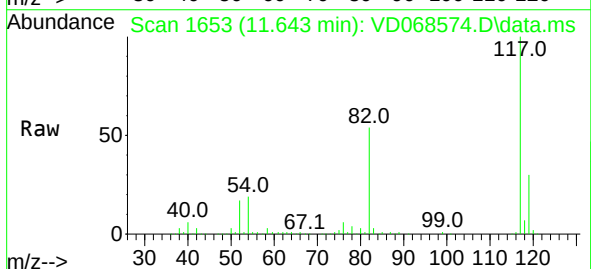
Instrument :
MSVOA_D
ClientSampleId :

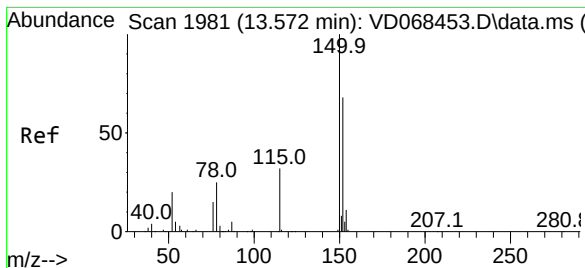
Tgt Ion: 95 Resp: 227548
Ion Ratio Lower Upper
95 100
174 83.8 0.0 172.4
176 79.9 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068574.D
Acq: 09 Mar 2021 12:47

Tgt Ion: 117 Resp: 550137
Ion Ratio Lower Upper
117 100
82 53.5 41.4 62.0
119 30.4 26.1 39.1

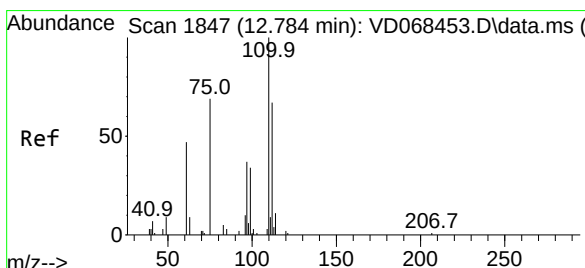
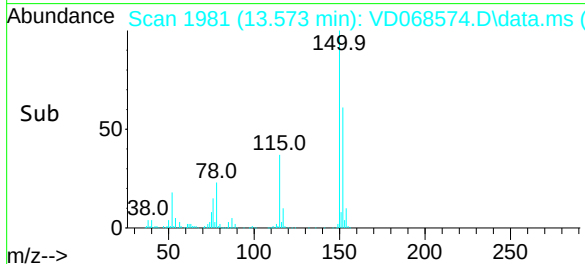
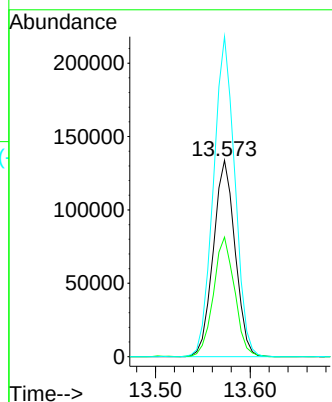
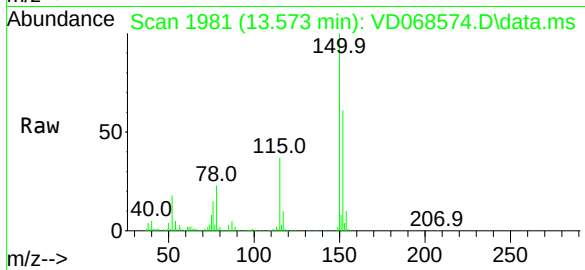




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. 0.001 min
 Lab File: VD068574.D
 Acq: 09 Mar 2021 12:47

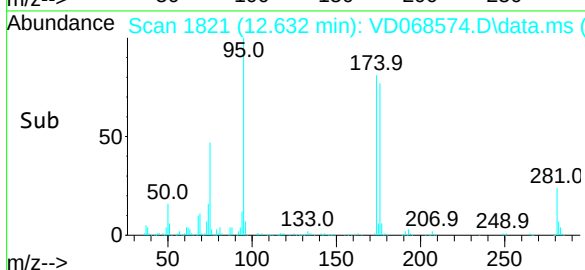
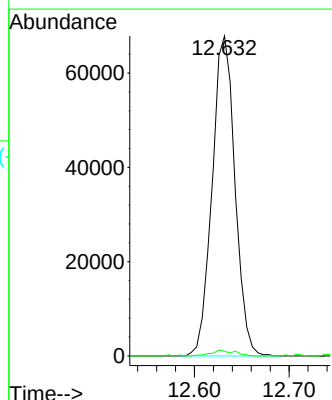
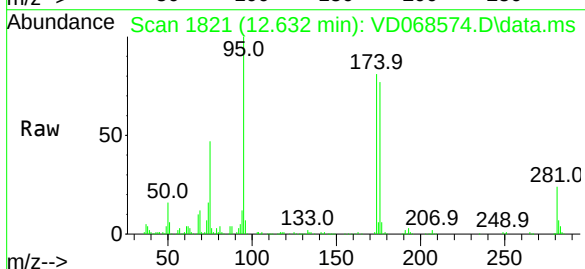
Instrument :
 MSVOA_D
 ClientSampled :

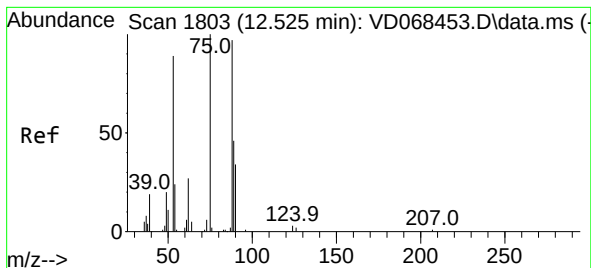
Tgt Ion:152 Resp: 213892
 Ion Ratio Lower Upper
 152 100
 115 59.2 28.9 86.8
 150 160.8 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 59.87 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. -0.152 min
 Lab File: VD068574.D
 Acq: 09 Mar 2021 12:47

Tgt Ion: 75 Resp: 113682
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#

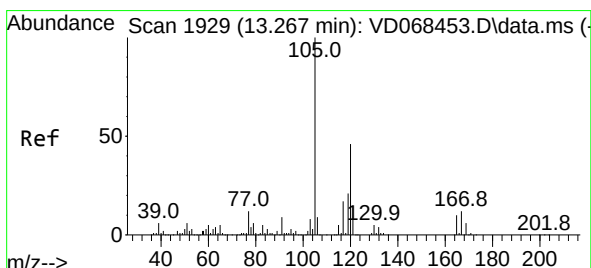
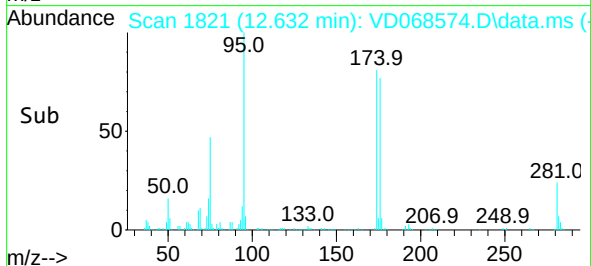
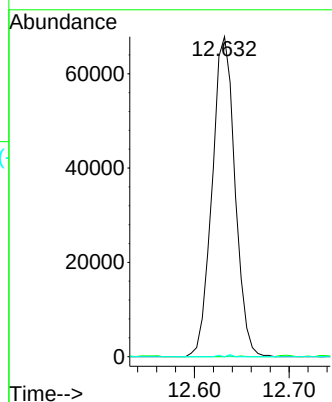
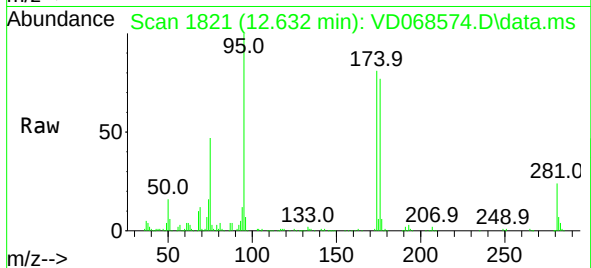




#81
trans-1,4-Dichloro-2-butene
Concen: 139.71 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068574.D
Acq: 09 Mar 2021 12:47

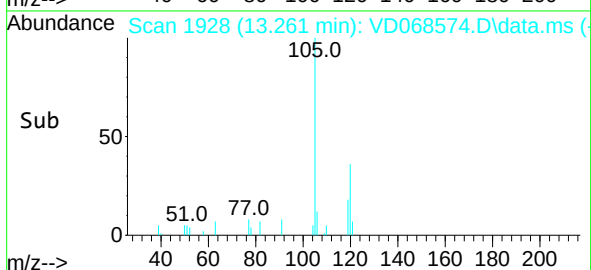
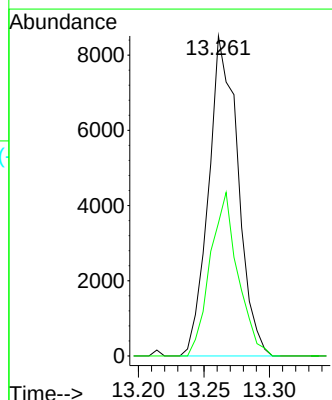
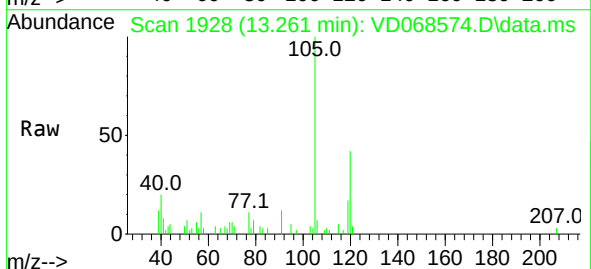
Instrument :
MSVOA_D
ClientSampleId :

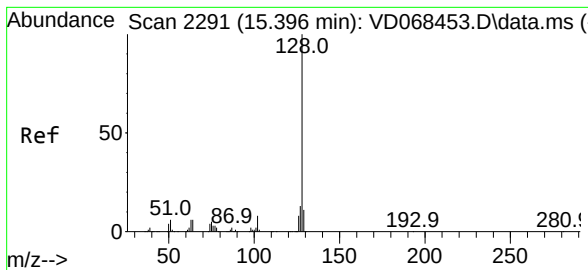
Tgt Ion: 75 Resp: 113682
Ion Ratio Lower Upper
75 100
53 0.1 70.2 105.2#
89 0.2 40.3 60.5#



#84
1,2,4-Trimethylbenzene
Concen: 1.02 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.006 min
Lab File: VD068574.D
Acq: 09 Mar 2021 12:47

Tgt Ion: 105 Resp: 13265
Ion Ratio Lower Upper
105 100
120 48.4 22.4 67.0





#95
Naphthalene
Concen: 6.27 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD068574.D
Acq: 09 Mar 2021 12:47

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 52576
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.2
129 13.5 8.8 13.2#

