

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD033121\
 Data File : VD068739.D
 Acq On : 31 Mar 2021 15:42
 Operator : VA/SY
 Sample : M1874-06
 Misc : 5.63G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 00:45:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 02:00:55 2021
 Response via : Initial Calibration

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

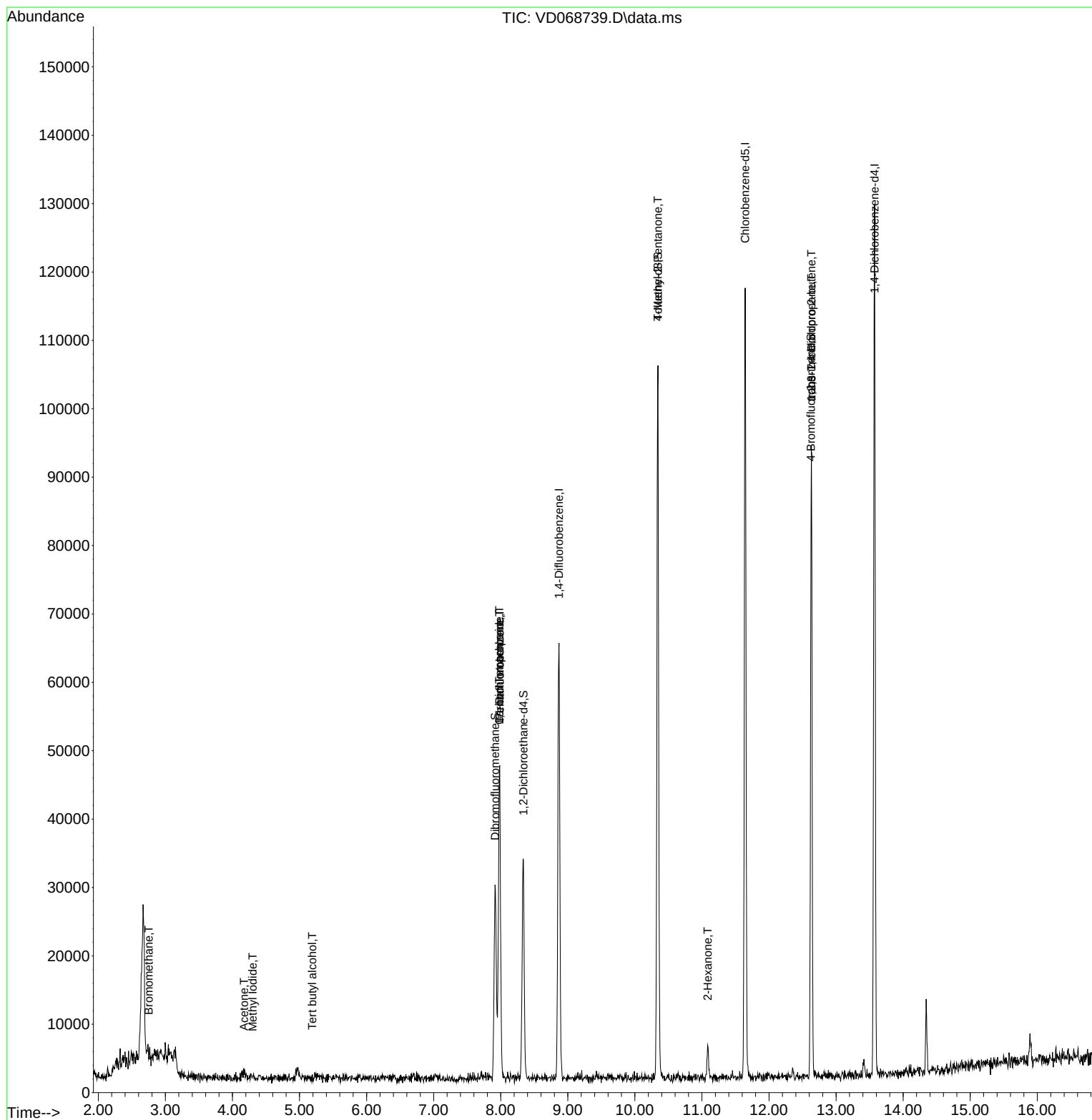
Internal Standards						
1) Pentafluorobenzene	7.985	168	35367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	58414	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	71490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	36012	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	26193	73.45	ug/l	0.00
Spiked Amount 50.000	Range	50 - 163	Recovery	= 146.90%		
35) Dibromofluoromethane	7.914	113	20927	57.58	ug/l	0.00
Spiked Amount 50.000	Range	54 - 147	Recovery	= 115.16%		
50) Toluene-d8	10.344	98	76906	54.88	ug/l	0.00
Spiked Amount 50.000	Range	49 - 140	Recovery	= 109.76%		
62) 4-Bromofluorobenzene	12.626	95	28406	62.53	ug/l	0.00
Spiked Amount 50.000	Range	25 - 144	Recovery	= 125.06%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.750	94	618	2.08	ug/l	86
10) Methyl Iodide	4.303	142	300	4.29	ug/l #	41
11) Tert butyl alcohol	5.191	59	61	3.71	ug/l #	73
16) Acetone	4.173	43	1040	24.04	ug/l	91
20) Methylene Chloride	4.967	84	1422	Below Cal	#	76
36) 1,1-Dichloropropene	7.979	75	2534	4.86	ug/l #	44
38) Carbon Tetrachloride	7.979	117	3916	7.52	ug/l #	12
51) 4-Methyl-2-Pentanone	10.344	43	295	1.79	ug/l #	1
59) 2-Hexanone	11.085	43	753	6.82	ug/l #	35
76) 1,2,3-Trichloropropane	12.632	75	15347	51.20	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	15347	116.49	ug/l #	16

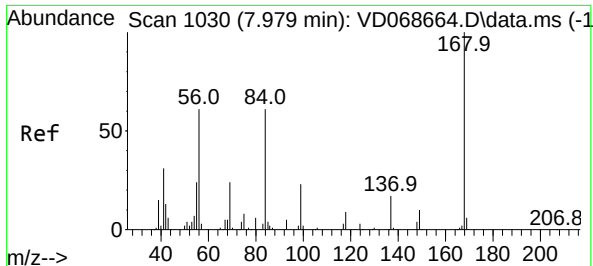
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
ClientSampleId :

Quant Time: Apr 01 00:45:02 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 20 02:00:55 2021
Response via : Initial Calibration

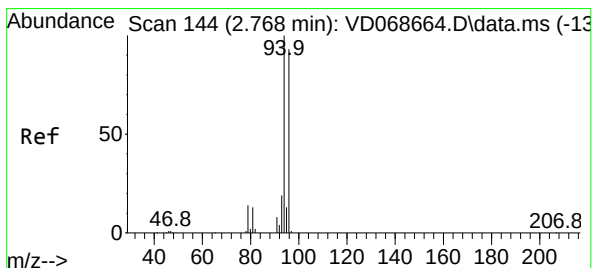
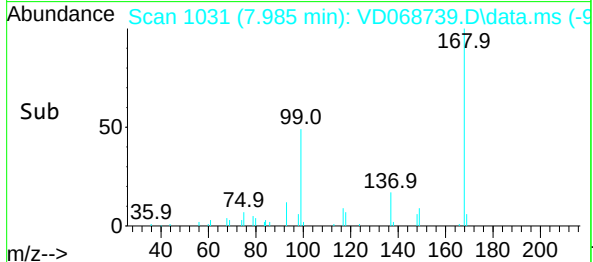
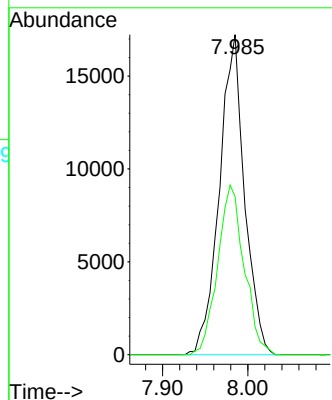
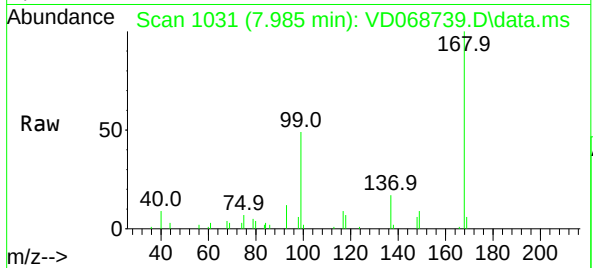




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068739.D
Acq: 31 Mar 2021 15:42

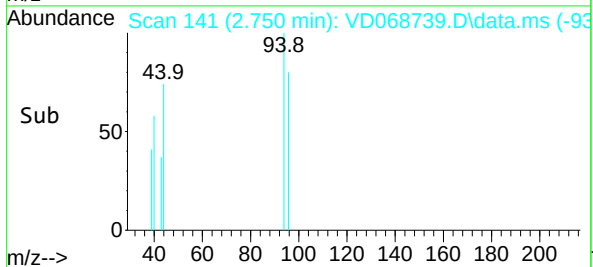
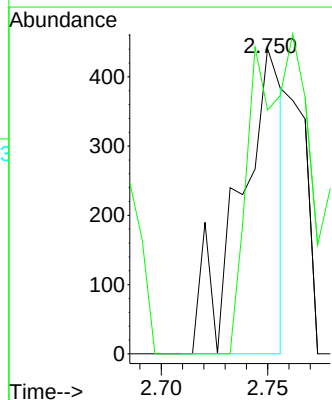
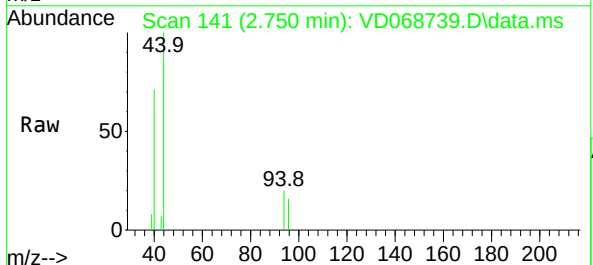
Instrument :
MSVOA_D
ClientSampled :

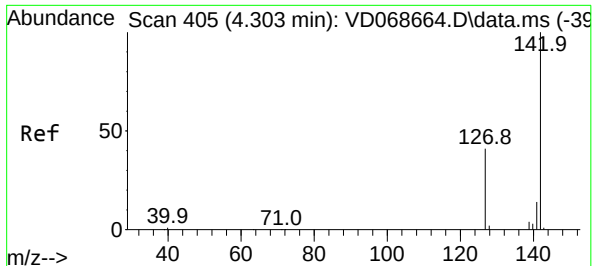
Tgt Ion:168 Resp: 35367
Ion Ratio Lower Upper
168 100
99 49.4 46.2 69.2



#5
Bromomethane
Concen: 2.08 ug/l
RT: 2.750 min Scan# 141
Delta R.T. -0.018 min
Lab File: VD068739.D
Acq: 31 Mar 2021 15:42

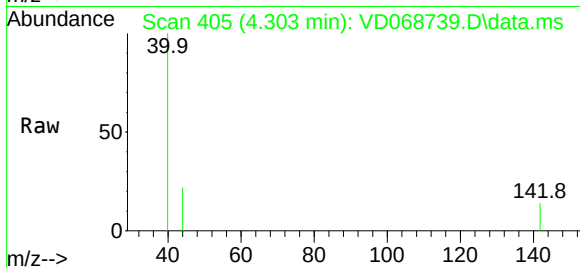
Tgt Ion: 94 Resp: 618
Ion Ratio Lower Upper
94 100
96 79.8 74.7 112.1



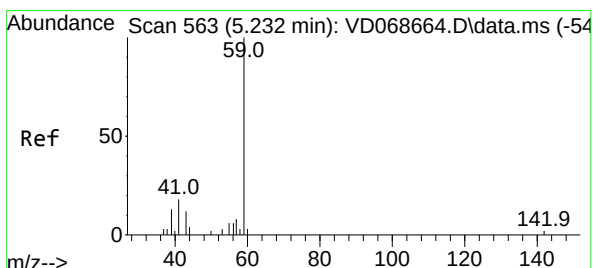
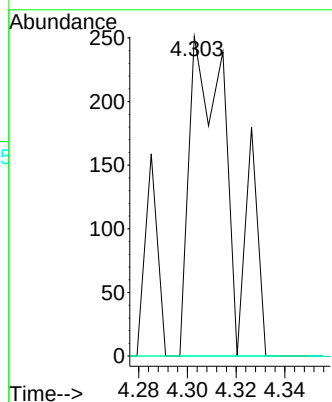
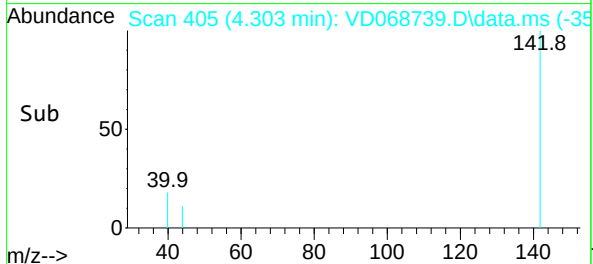


#10
Methyl Iodide
Concen: 4.29 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD068739.D
Acq: 31 Mar 2021 15:42

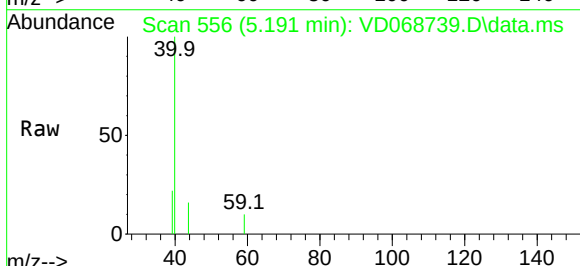
Instrument :
MSVOA_D
ClientSampled :



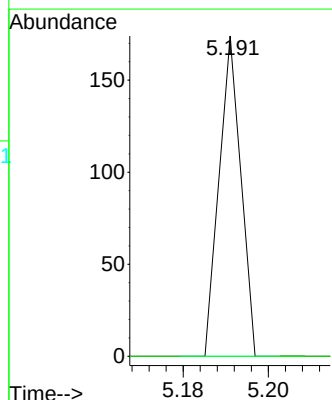
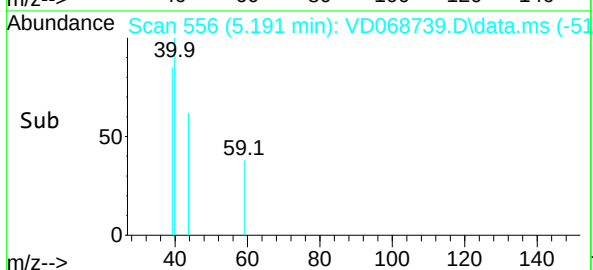
Tgt Ion:142 Resp: 300
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.0 16.4#

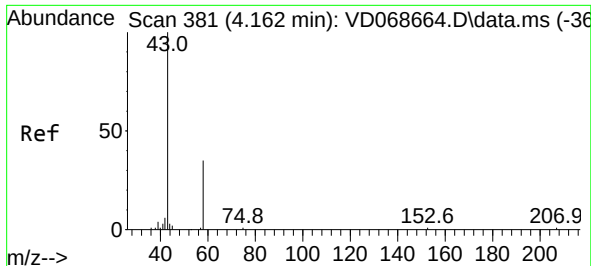


#11
Tert butyl alcohol
Concen: 3.71 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.041 min
Lab File: VD068739.D
Acq: 31 Mar 2021 15:42



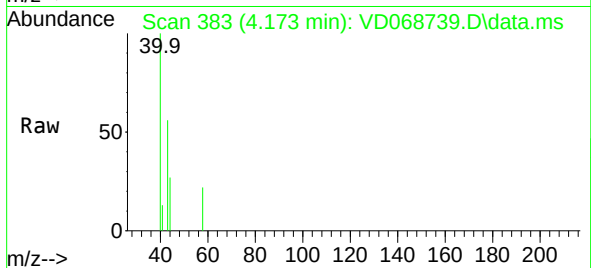
Tgt Ion: 59 Resp: 61
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



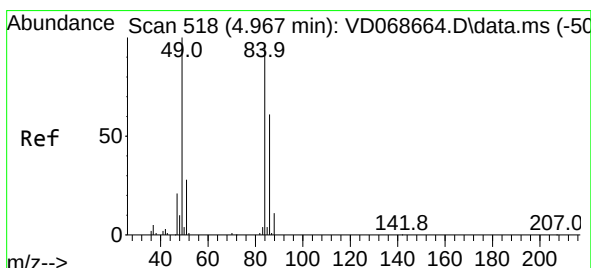
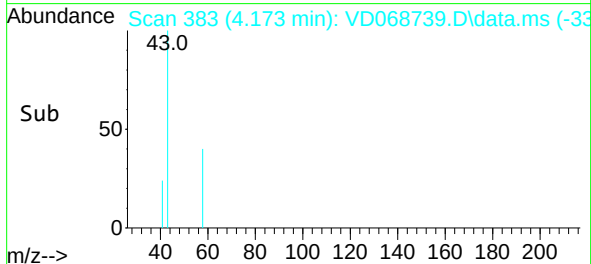
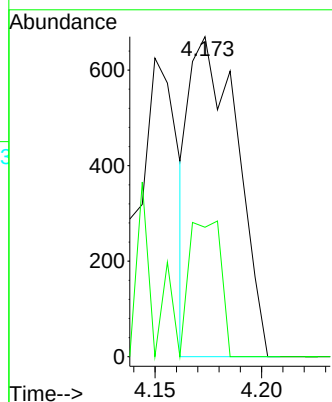


#16
Acetone
Concen: 24.04 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.012 min
Lab File: VD068739.D
Acq: 31 Mar 2021 15:42

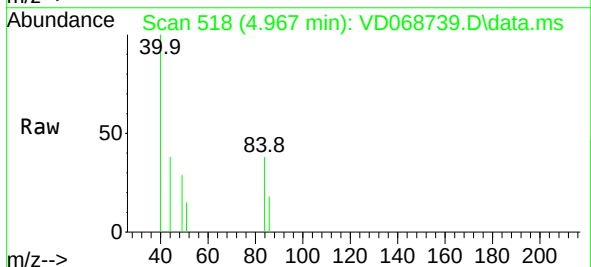
Instrument :
MSVOA_D
ClientSampled :



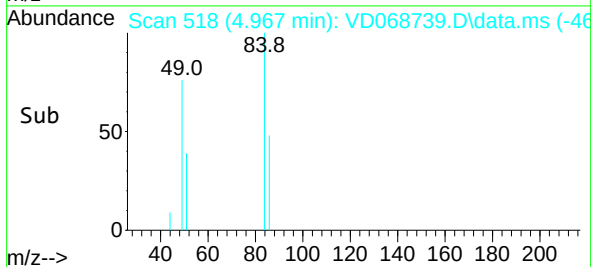
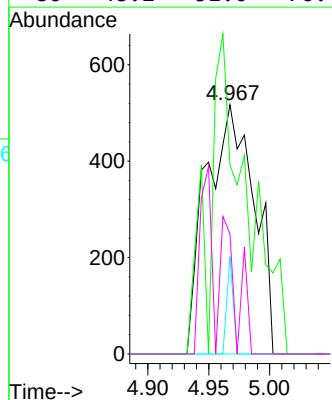
Tgt Ion: 43 Resp: 1040
Ion Ratio Lower Upper
43 100
58 40.4 28.0 42.0

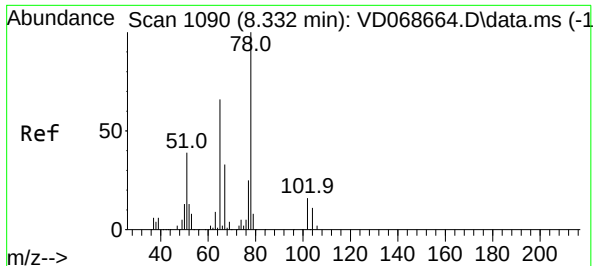


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD068739.D
Acq: 31 Mar 2021 15:42



Tgt Ion: 84 Resp: 1422
Ion Ratio Lower Upper
84 100
49 75.8 83.4 125.0#
51 39.1 23.4 35.2#
86 48.2 51.0 76.4#





#33

1,2-Dichloroethane-d4

Concen: 73.45 ug/l

RT: 8.338 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VD068739.D

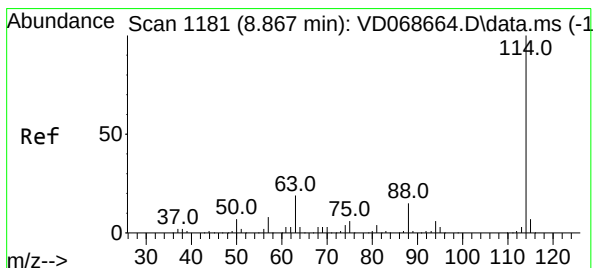
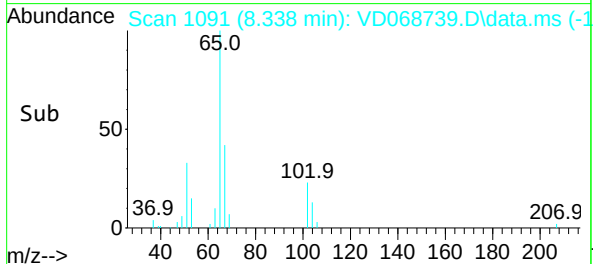
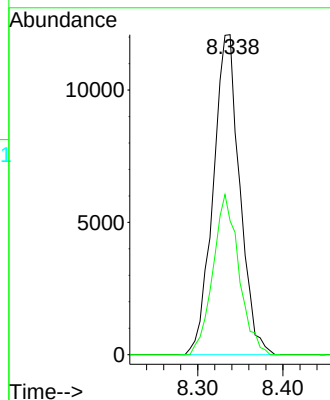
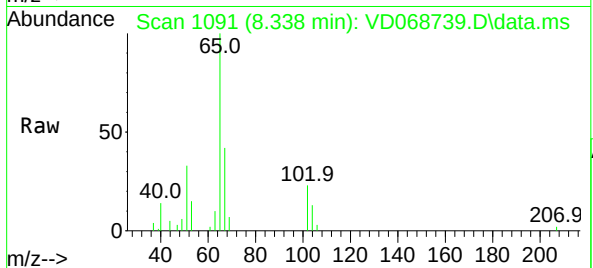
Acq: 31 Mar 2021 15:42

Tgt Ion: 65 Resp: 26193

Ion Ratio Lower Upper

65 100

67 48.9 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VD068739.D

Acq: 31 Mar 2021 15:42

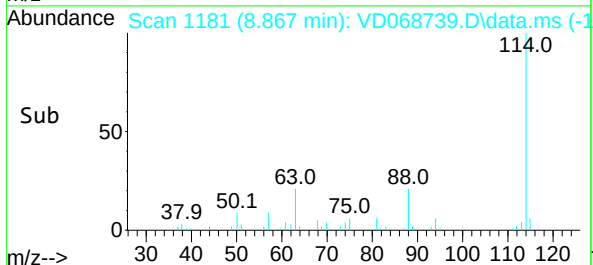
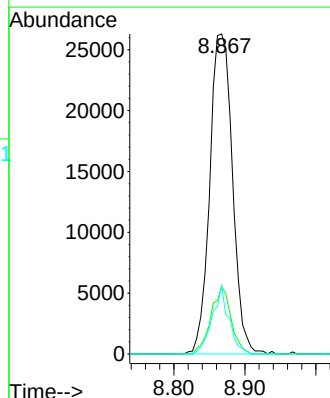
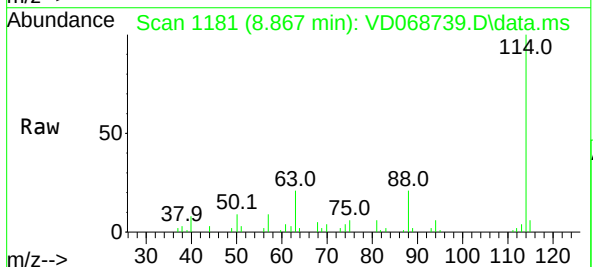
Tgt Ion: 114 Resp: 58414

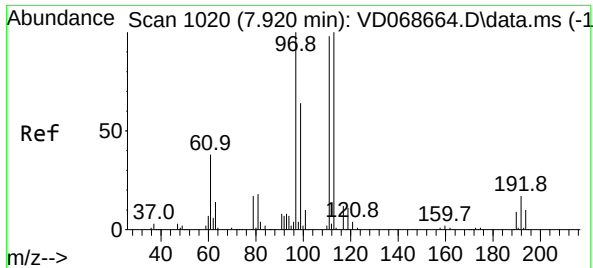
Ion Ratio Lower Upper

114 100

63 21.1 0.0 38.2

88 21.3 0.0 29.4

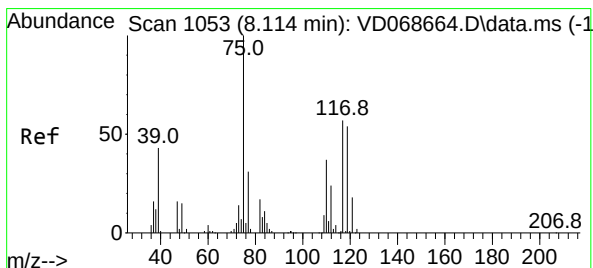
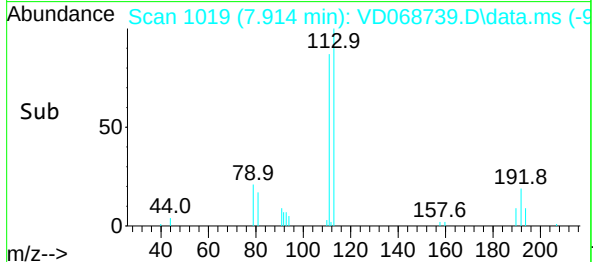
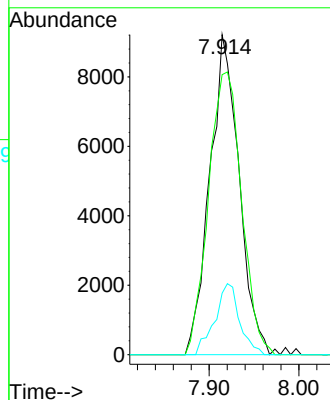
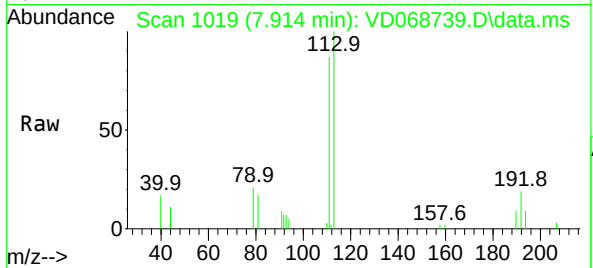




#35
Dibromofluoromethane
Concen: 57.58 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD068739.D
Acq: 31 Mar 2021 15:42

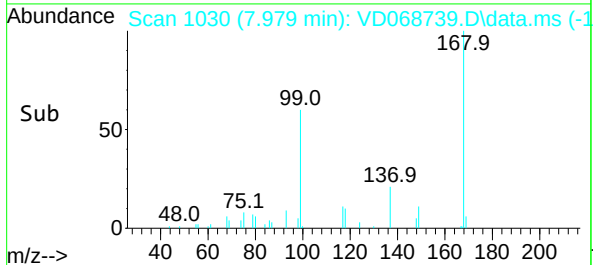
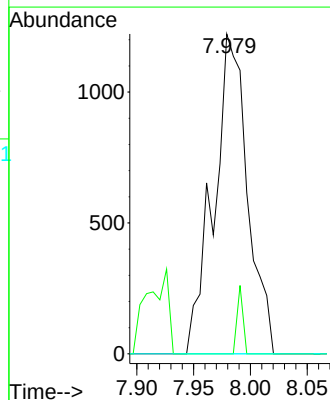
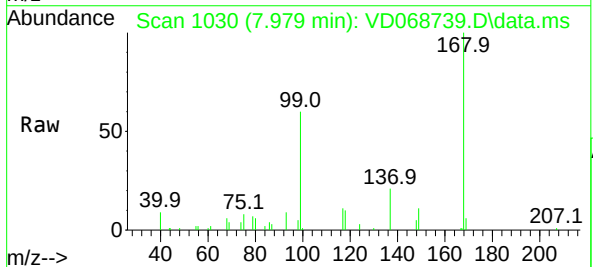
Instrument :
MSVOA_D
ClientSampled :

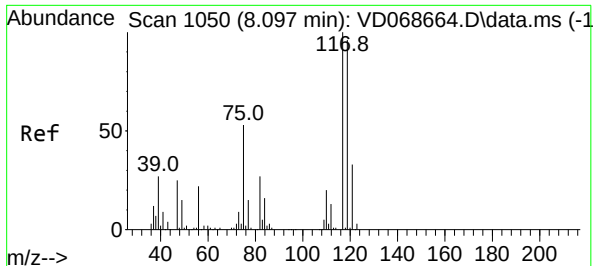
Tgt Ion:113 Resp: 20927
Ion Ratio Lower Upper
113 100
111 99.5 82.5 123.7
192 18.7 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.86 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068739.D
Acq: 31 Mar 2021 15:42

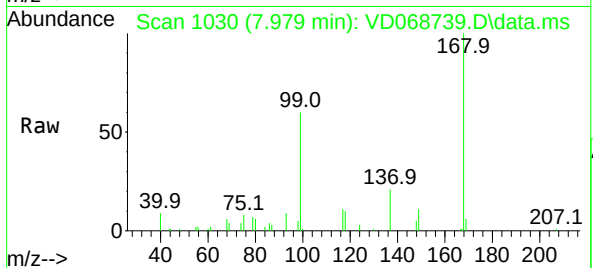
Tgt Ion: 75 Resp: 2534
Ion Ratio Lower Upper
75 100
110 3.6 18.1 54.4#
77 0.0 24.7 37.1#



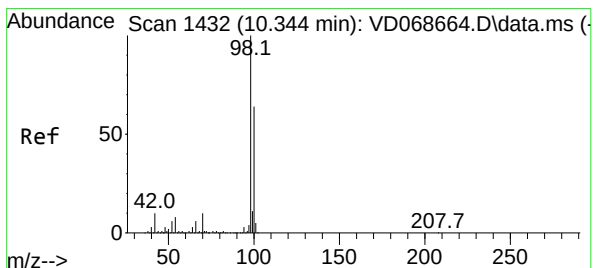
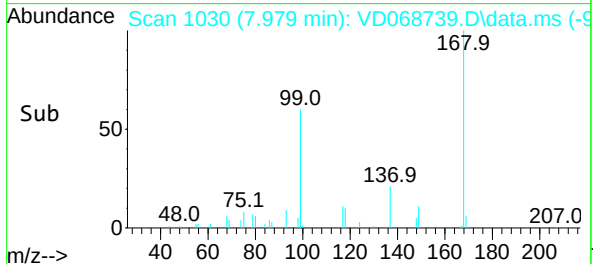
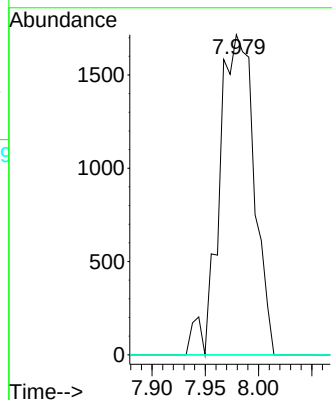


#38
Carbon Tetrachloride
Concen: 7.52 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD068739.D
Acq: 31 Mar 2021 15:42

Instrument :
MSVOA_D
ClientSampled :

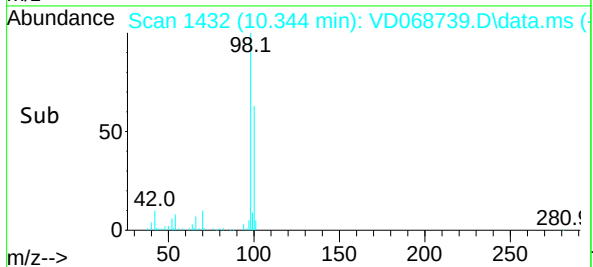
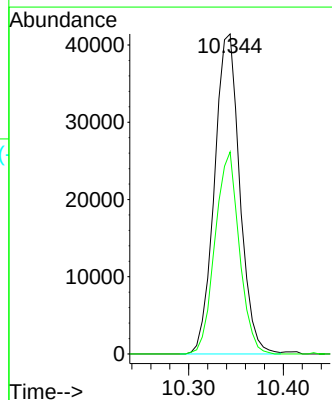
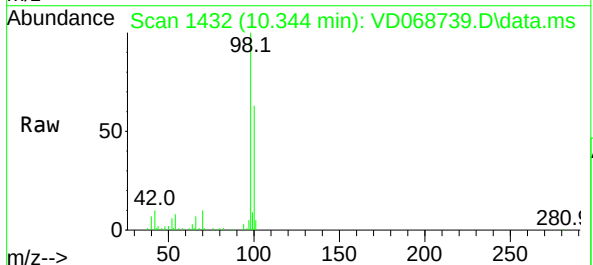


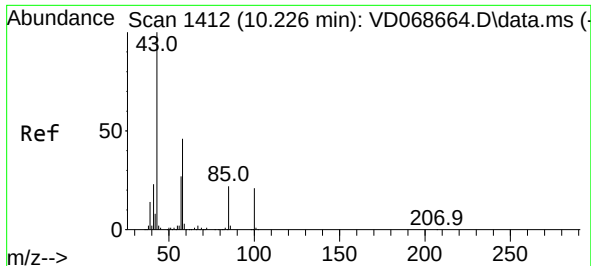
Tgt Ion:117 Resp: 3916
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 26.1 39.1#



#50
Toluene-d8
Concen: 54.88 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068739.D
Acq: 31 Mar 2021 15:42

Tgt Ion: 98 Resp: 76906
Ion Ratio Lower Upper
98 100
100 60.5 51.8 77.6

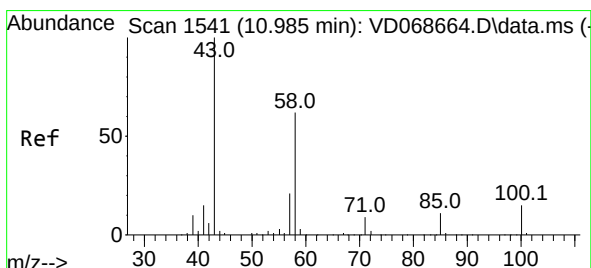
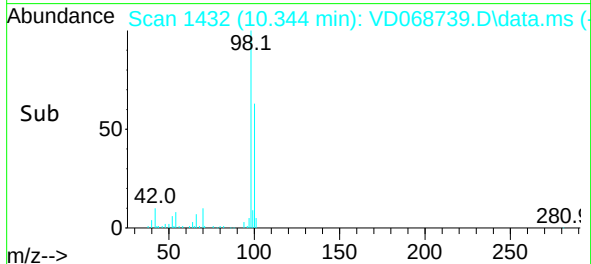
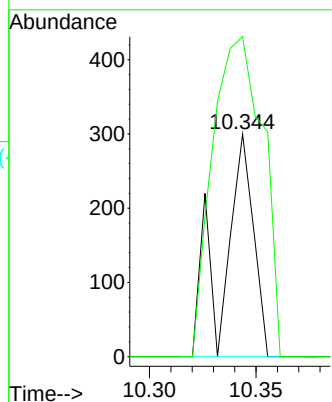
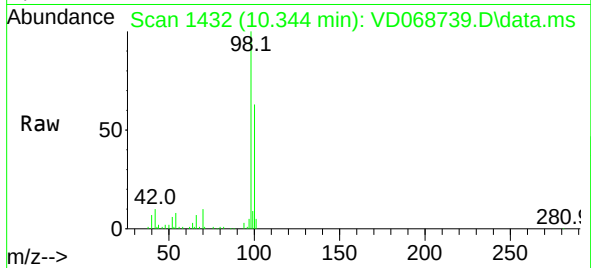




#51
4-Methyl-2-Pentanone
Concen: 1.79 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.118 min
Lab File: VD068739.D
Acq: 31 Mar 2021 15:42

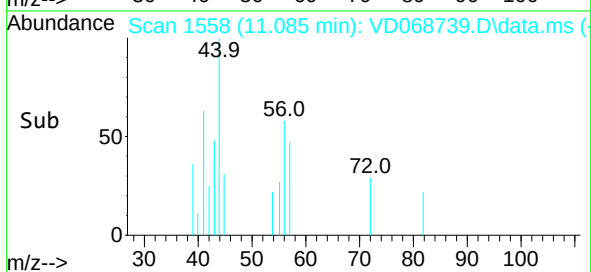
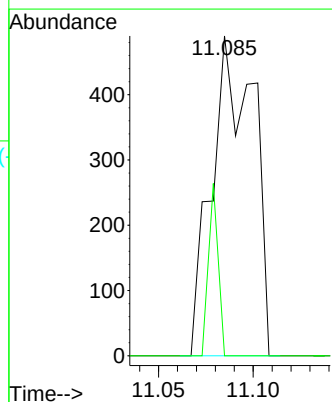
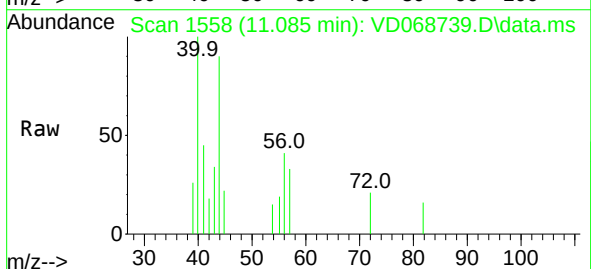
Instrument :
MSVOA_D
ClientSampled :

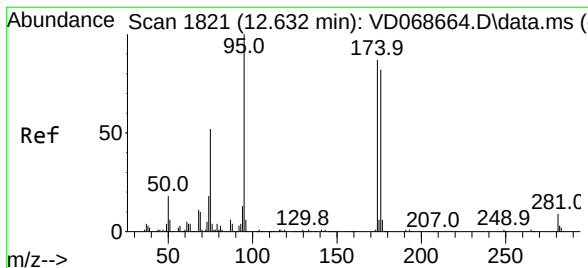
Tgt Ion: 43 Resp: 295
Ion Ratio Lower Upper
43 100
58 240.0 37.3 55.9#



#59
2-Hexanone
Concen: 6.82 ug/l
RT: 11.085 min Scan# 1558
Delta R.T. 0.100 min
Lab File: VD068739.D
Acq: 31 Mar 2021 15:42

Tgt Ion: 43 Resp: 753
Ion Ratio Lower Upper
43 100
58 12.4 31.3 93.8#

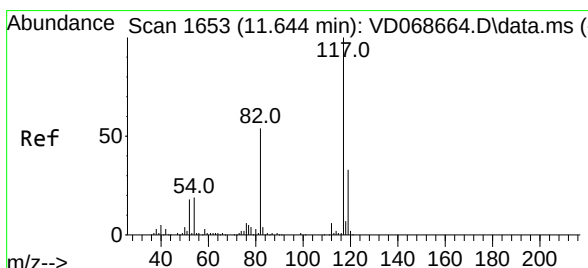
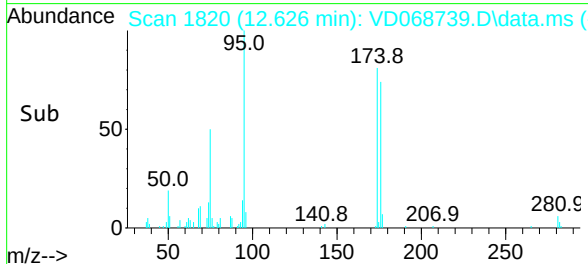
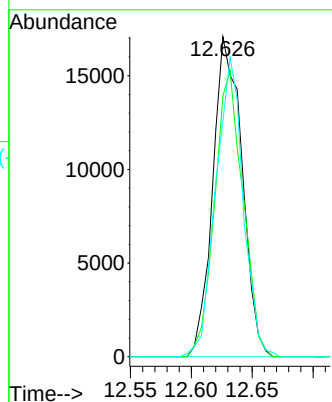
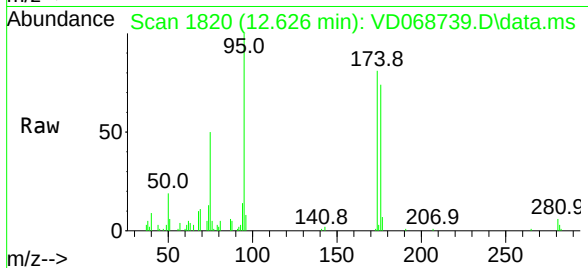




#62
4-Bromofluorobenzene
Concen: 62.53 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD068739.D
Acq: 31 Mar 2021 15:42

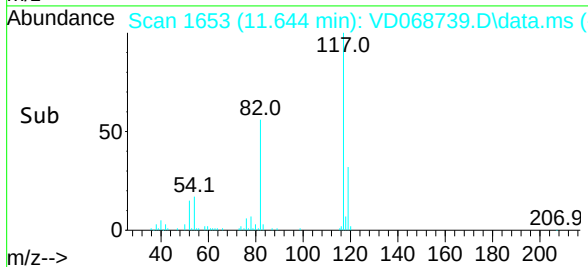
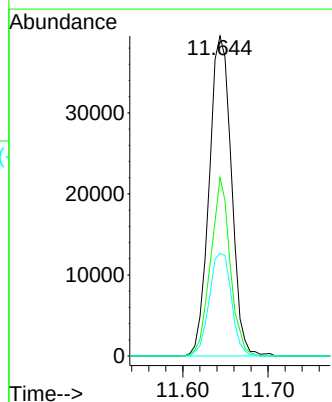
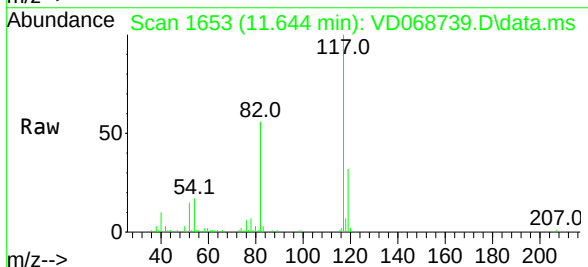
Instrument :
MSVOA_D
ClientSampleId :

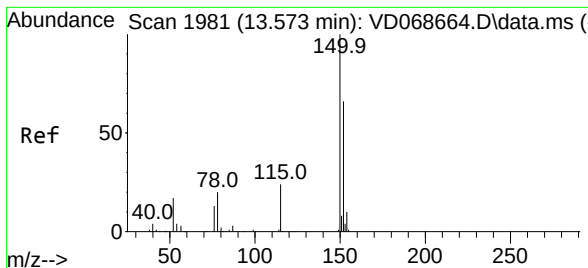
Tgt Ion:	95	Resp:	28406
Ion Ratio	Lower	Upper	
95	100		
174	86.9	0.0	168.0
176	88.1	0.0	160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068739.D
Acq: 31 Mar 2021 15:42

Tgt Ion:	117	Resp:	71490
Ion Ratio	Lower	Upper	
117	100		
82	55.8	43.5	65.3
119	32.0	26.7	40.1

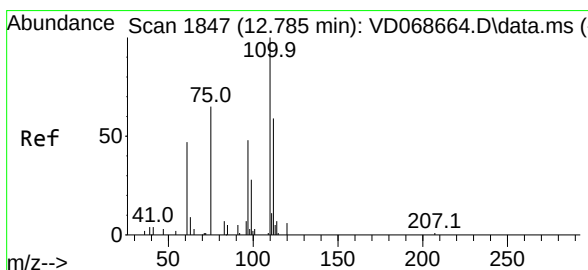
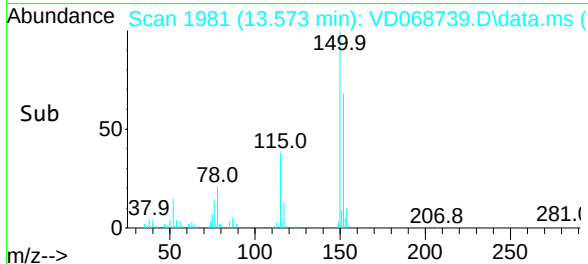
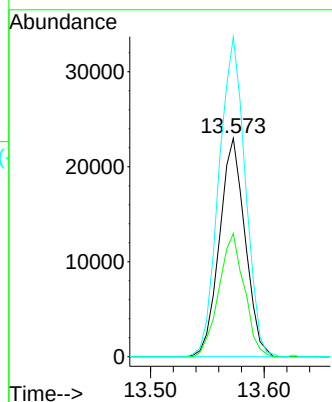
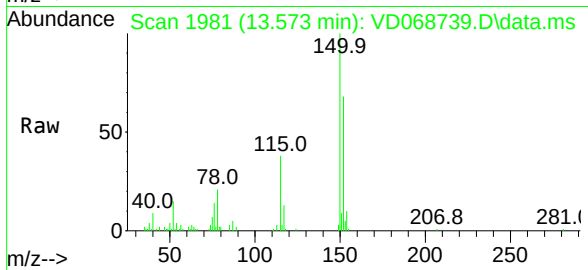




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. 0.000 min
 Lab File: VD068739.D
 Acq: 31 Mar 2021 15:42

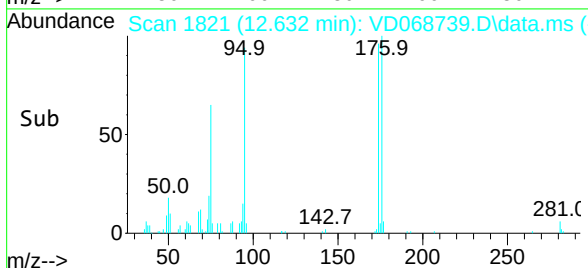
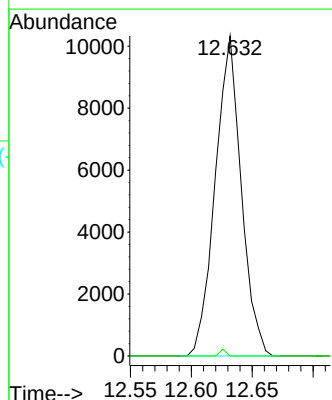
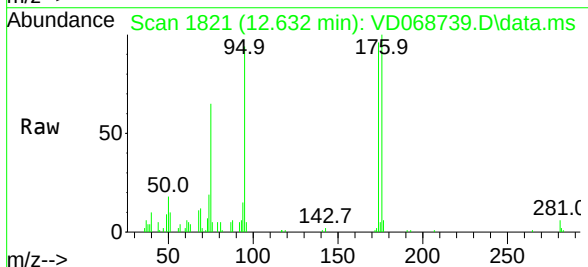
Instrument :
 MSVOA_D
 ClientSampled :

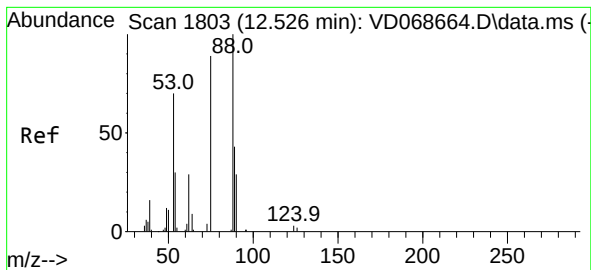
Tgt Ion:152 Resp: 36012
 Ion Ratio Lower Upper
 152 100
 115 56.0 29.3 87.8
 150 150.4 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 51.20 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. -0.153 min
 Lab File: VD068739.D
 Acq: 31 Mar 2021 15:42

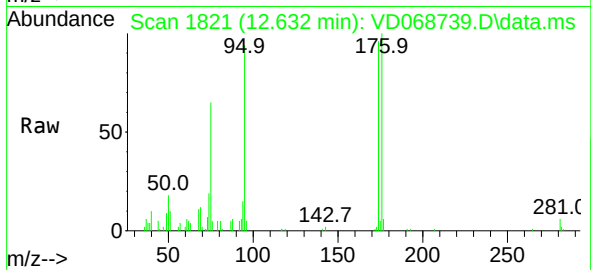
Tgt Ion: 75 Resp: 15347
 Ion Ratio Lower Upper
 75 100
 77 0.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.49 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068739.D
 Acq: 31 Mar 2021 15:42

Instrument :
 MSVOA_D
 ClientSampled :



Tgt Ion: 75 Resp: 15347
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.0 36.6 54.8#

