

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD033121\
 Data File : VD068734.D
 Acq On : 31 Mar 2021 13:21
 Operator : VA/SY
 Sample : M1874-01
 Misc : 5.43G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 00:43:48 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)

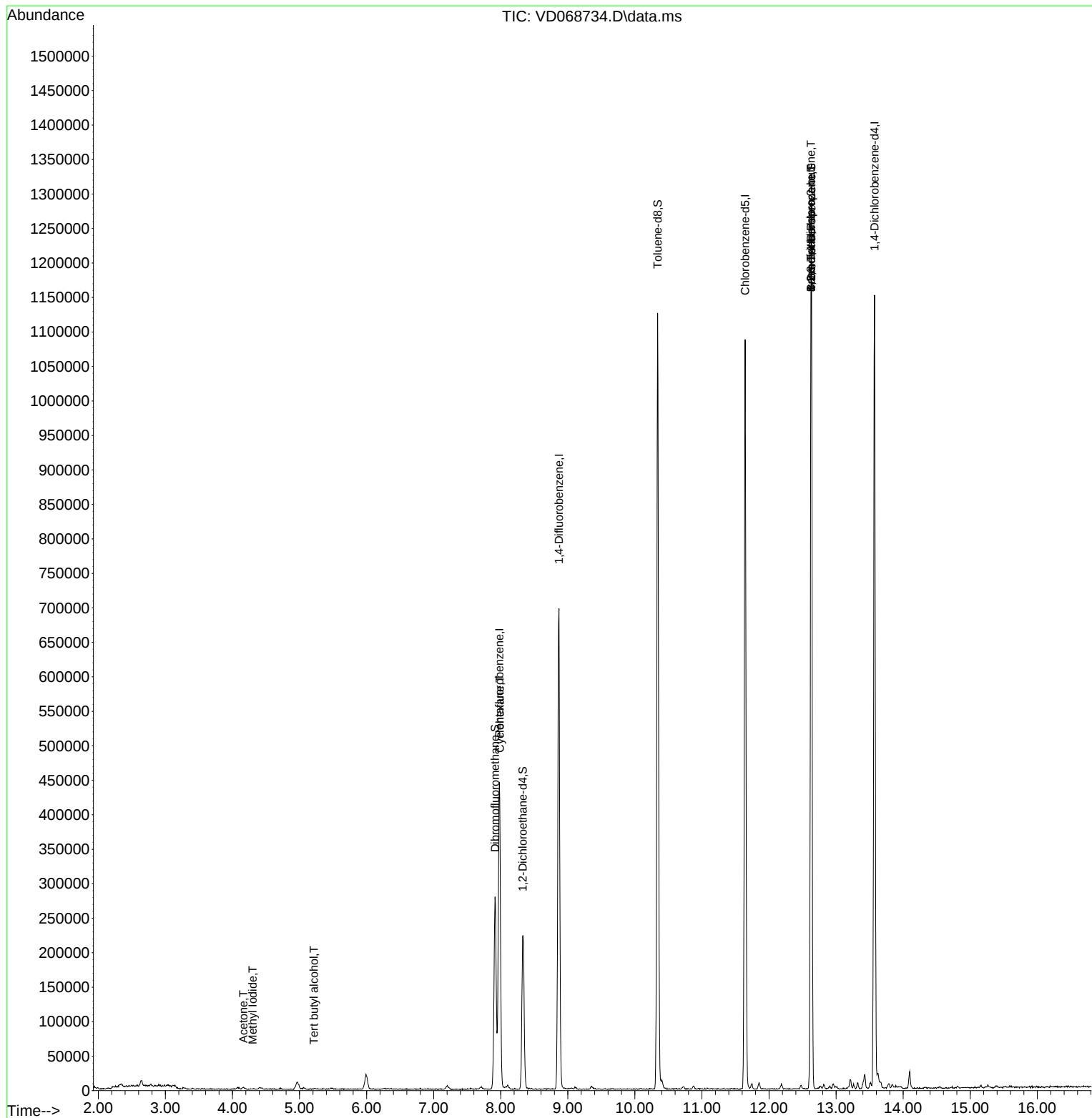
Internal Standards						
1) Pentafluorobenzene	7.979	168	340867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	620055	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	636043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	310016	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	184736	53.75	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.50%			
35) Dibromofluoromethane	7.914	113	197780	51.27	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.54%			
50) Toluene-d8	10.338	98	775418	52.13	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.26%			
62) 4-Bromofluorobenzene	12.632	95	291523	60.45	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 120.90%			
Target Compounds						Qvalue
10) Methyl Iodide	4.303	142	731	3.68	ug/l #	63
11) Tert butyl alcohol	5.215	59	1709	10.79	ug/l #	73
16) Acetone	4.162	43	4862	11.66	ug/l #	78
20) Methylene Chloride	4.968	84	9024	Below Cal	#	95
31) Cyclohexane	7.985	56	8852	1.60	ug/l #	41
71) Bromoform	12.626	173	2714	1.14	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	149235	57.84	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	149235	131.58	ug/l #	16

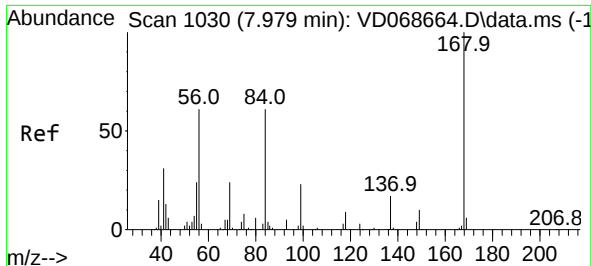
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

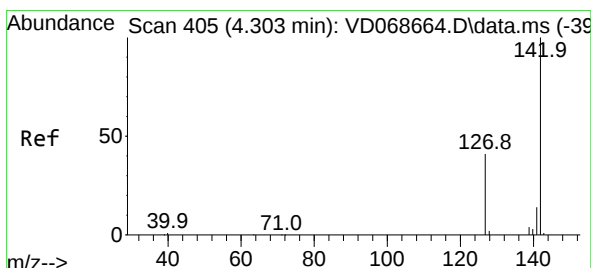
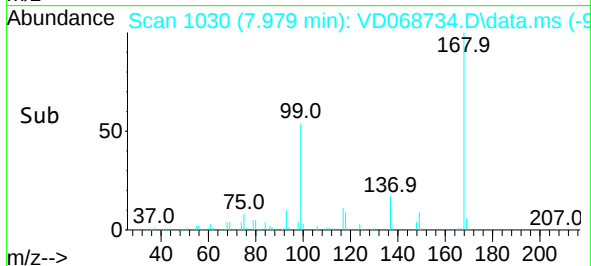
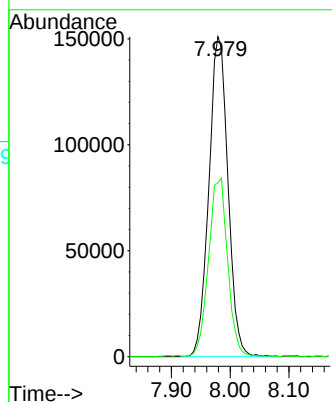
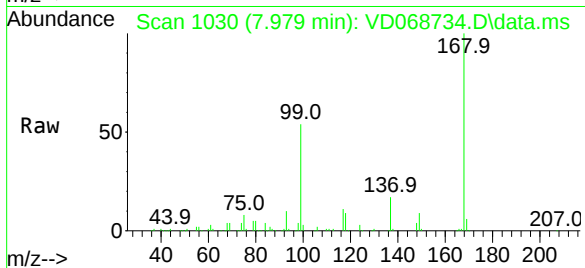




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD068734.D
Acq: 31 Mar 2021 13:21

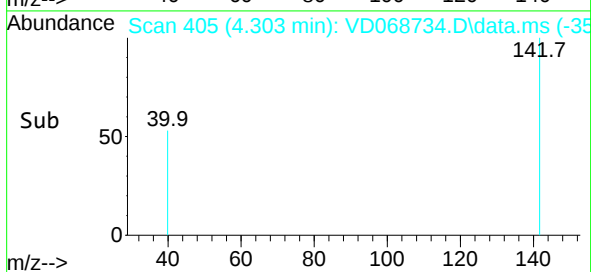
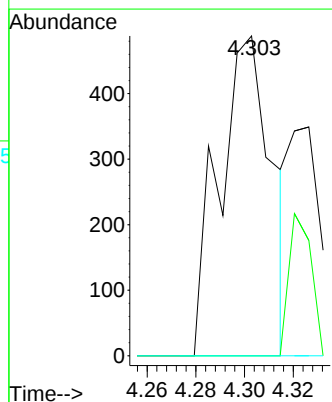
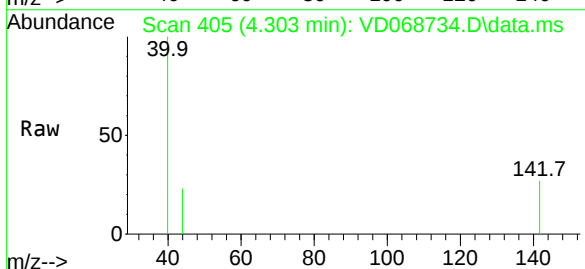
Instrument :
MSVOA_D
ClientSampled :

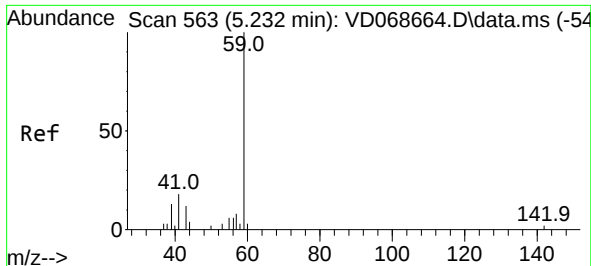
Tgt Ion:168 Resp: 340867
Ion Ratio Lower Upper
168 100
99 54.4 46.2 69.2



#10
Methyl Iodide
Concen: 3.68 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD068734.D
Acq: 31 Mar 2021 13:21

Tgt Ion:142 Resp: 731
Ion Ratio Lower Upper
142 100
127 19.0 34.7 52.1#
141 0.0 11.0 16.4#





#11

Tert butyl alcohol

Concen: 10.79 ug/l

RT: 5.215 min Scan# 560

Delta R.T. -0.018 min

Lab File: VD068734.D

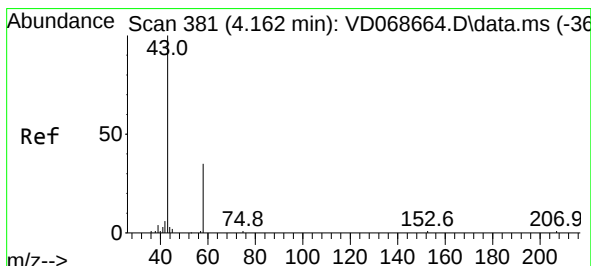
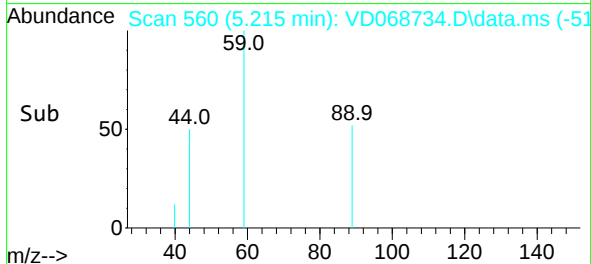
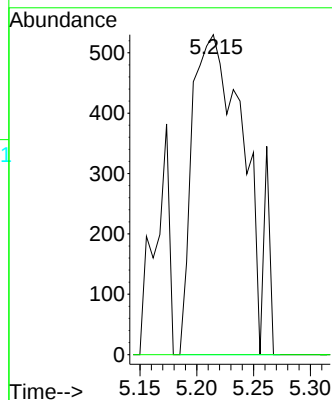
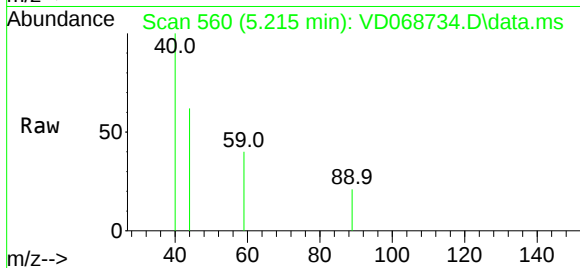
Acq: 31 Mar 2021 13:21

Tgt Ion: 59 Resp: 1709

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: 11.66 ug/l

RT: 4.162 min Scan# 381

Delta R.T. 0.000 min

Lab File: VD068734.D

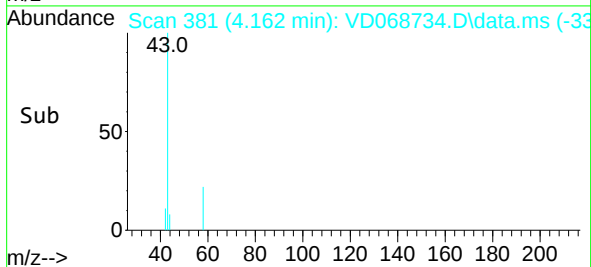
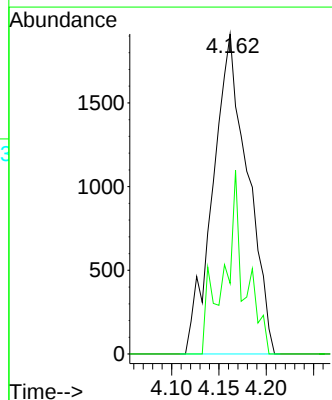
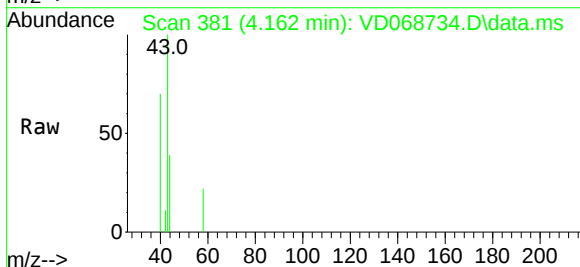
Acq: 31 Mar 2021 13:21

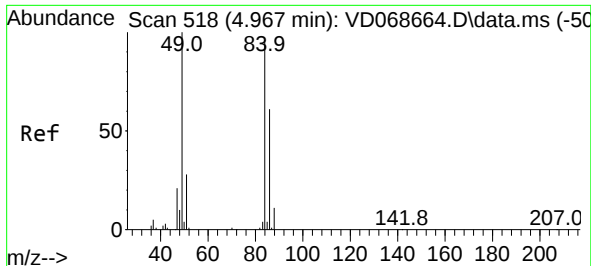
Tgt Ion: 43 Resp: 4862

Ion Ratio Lower Upper

43 100

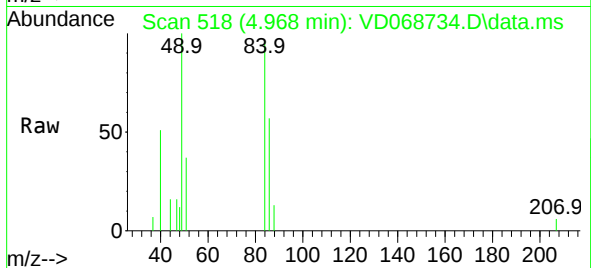
58 22.1 28.0 42.0#



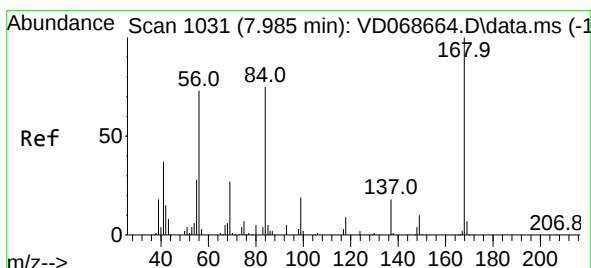
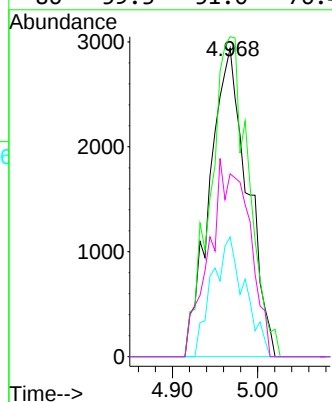
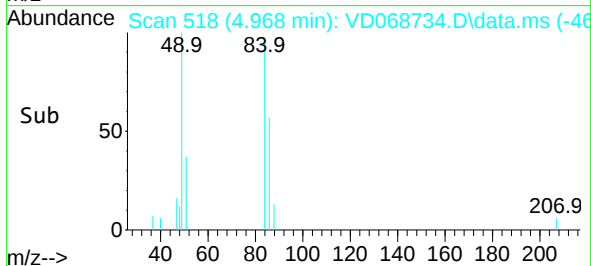


#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.001 min
Lab File: VD068734.D
Acq: 31 Mar 2021 13:21

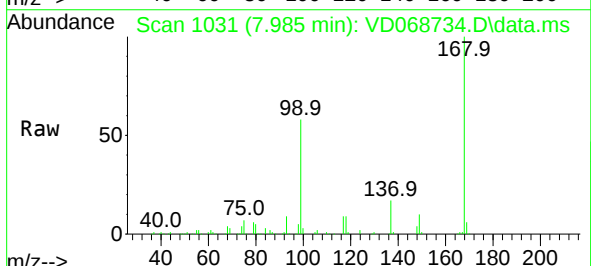
Instrument :
MSVOA_D
ClientSampleId :



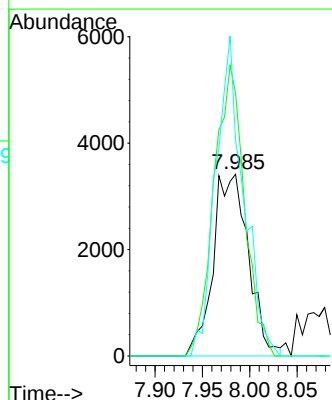
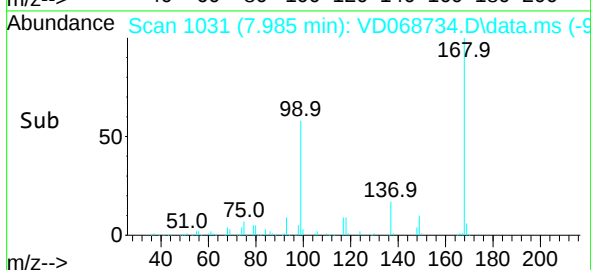
Tgt Ion:	84	Resp:	9024
Ion	Ratio	Lower	Upper
84	100		
49	103.7	83.4	125.0
51	38.8	23.4	35.2#
86	59.3	51.0	76.4

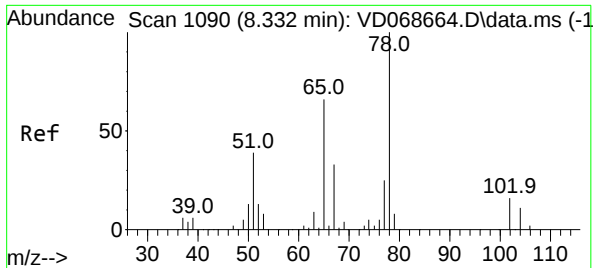


#31
Cyclohexane
Concen: 1.60 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD068734.D
Acq: 31 Mar 2021 13:21



Tgt Ion:	56	Resp:	8852
Ion	Ratio	Lower	Upper
56	100		
69	144.4	30.0	45.0#
84	118.5	82.0	123.0

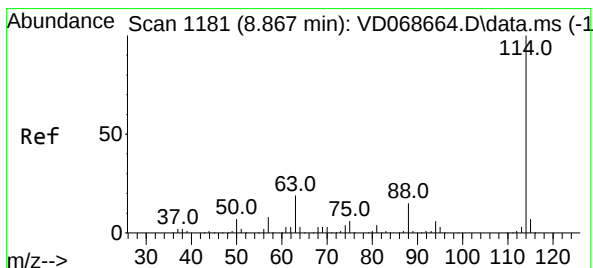
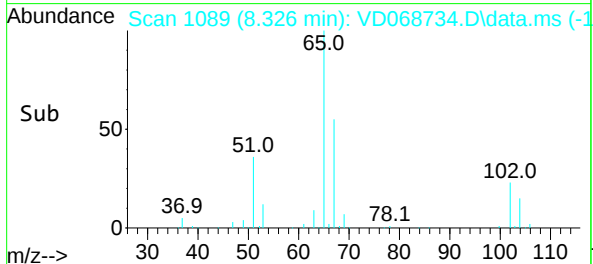
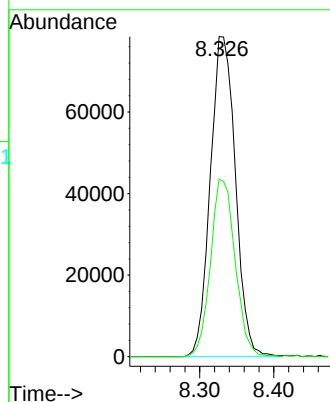
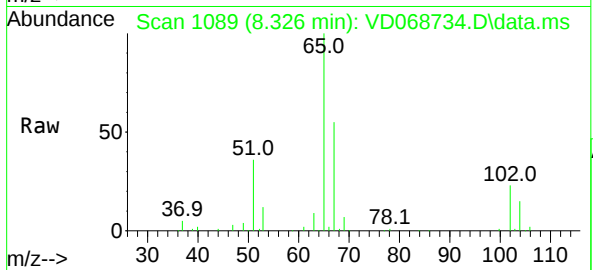




#33
1,2-Dichloroethane-d4
Concen: 53.75 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD068734.D
Acq: 31 Mar 2021 13:21

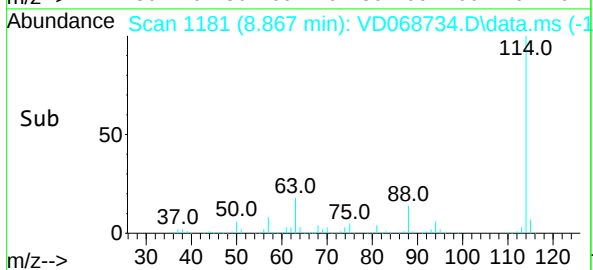
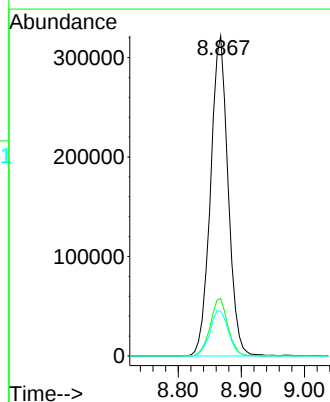
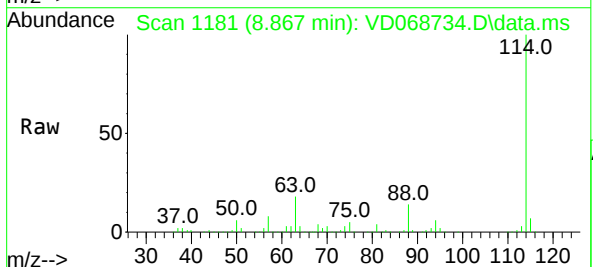
Instrument :
MSVOA_D
ClientSampled :

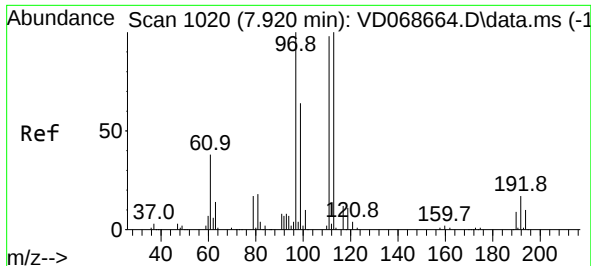
Tgt Ion: 65 Resp: 184736
Ion Ratio Lower Upper
65 100
67 54.4 0.0 106.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068734.D
Acq: 31 Mar 2021 13:21

Tgt Ion: 114 Resp: 620055
Ion Ratio Lower Upper
114 100
63 18.0 0.0 38.2
88 14.0 0.0 29.4





#35

Dibromofluoromethane

Concen: 51.27 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD068734.D

Acq: 31 Mar 2021 13:21

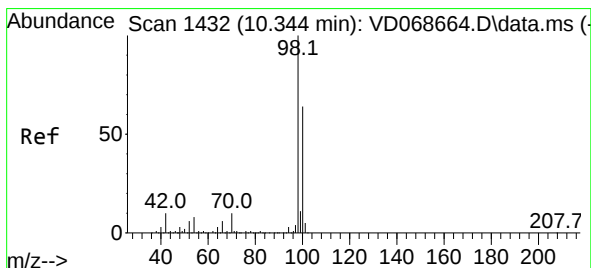
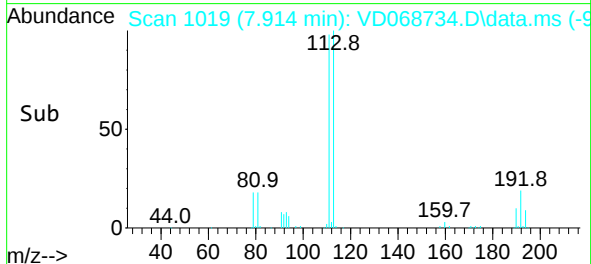
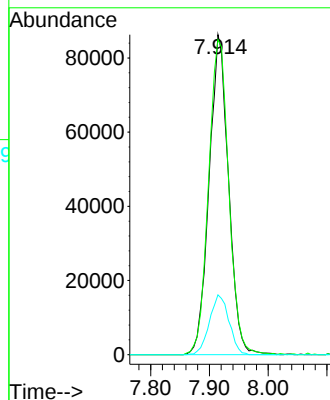
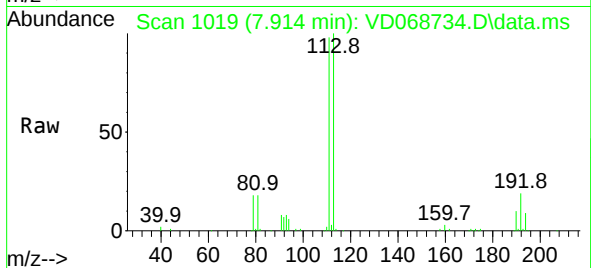
Tgt Ion:113 Resp: 197780

Ion Ratio Lower Upper

113 100

111 102.6 82.5 123.7

192 18.8 15.1 22.7



#50

Toluene-d8

Concen: 52.13 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.006 min

Lab File: VD068734.D

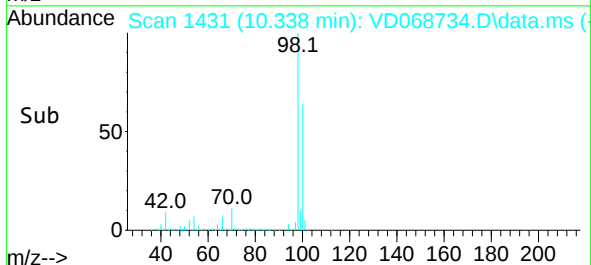
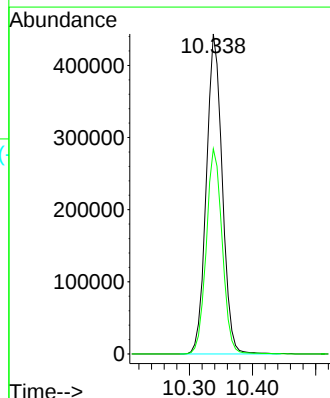
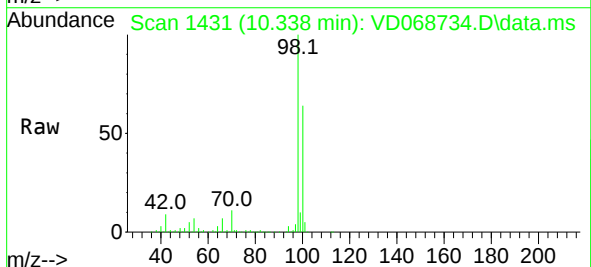
Acq: 31 Mar 2021 13:21

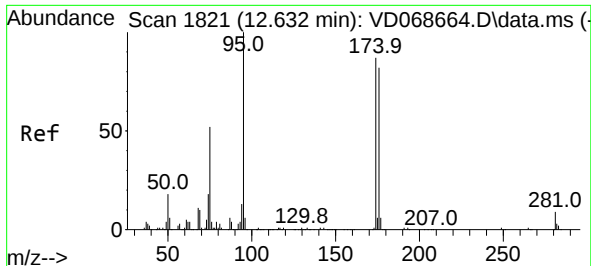
Tgt Ion: 98 Resp: 775418

Ion Ratio Lower Upper

98 100

100 64.2 51.8 77.6

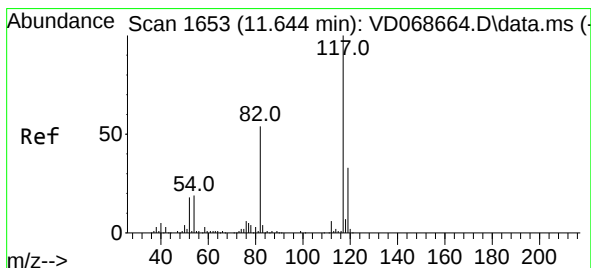
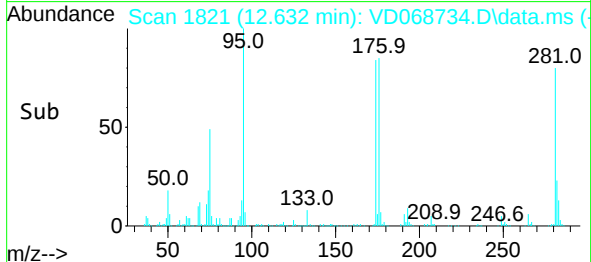
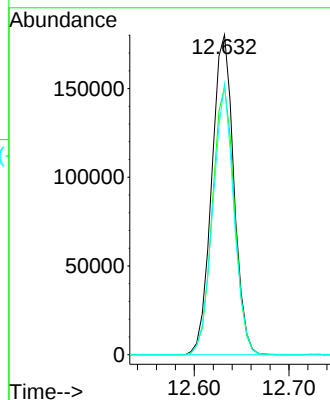
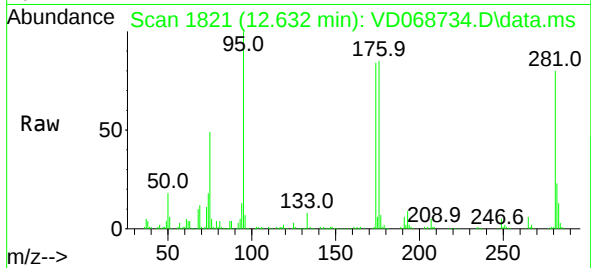




#62
4-Bromofluorobenzene
Concen: 60.45 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068734.D
Acq: 31 Mar 2021 13:21

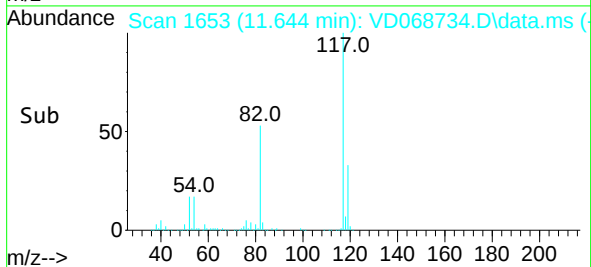
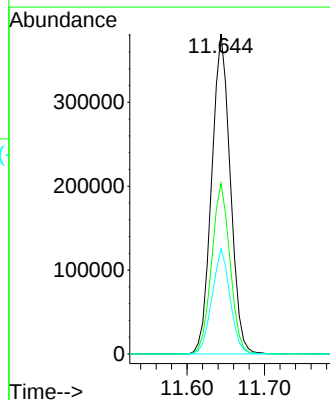
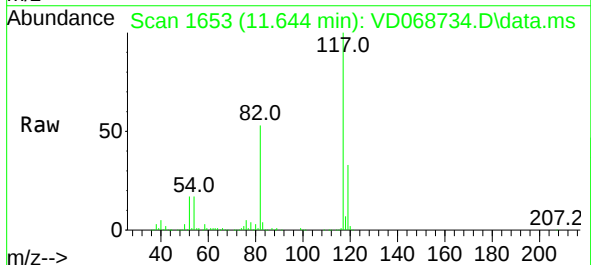
Instrument :
MSVOA_D
ClientSampleId :

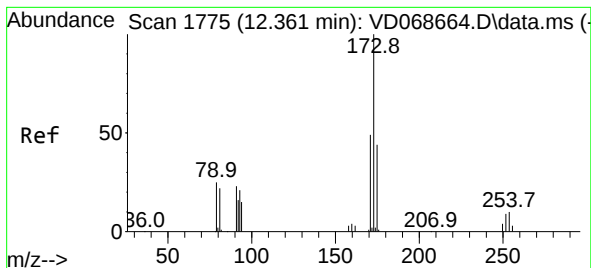
Tgt Ion: 95 Resp: 291523
Ion Ratio Lower Upper
95 100
174 83.4 0.0 168.0
176 80.7 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068734.D
Acq: 31 Mar 2021 13:21

Tgt Ion:117 Resp: 636043
Ion Ratio Lower Upper
117 100
82 53.3 43.5 65.3
119 32.8 26.7 40.1





#71

Bromoform

Concen: 1.14 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.265 min

Lab File: VD068734.D

Acq: 31 Mar 2021 13:21

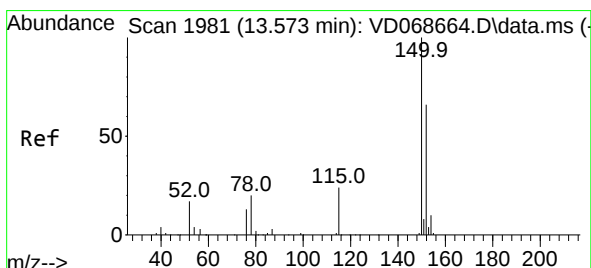
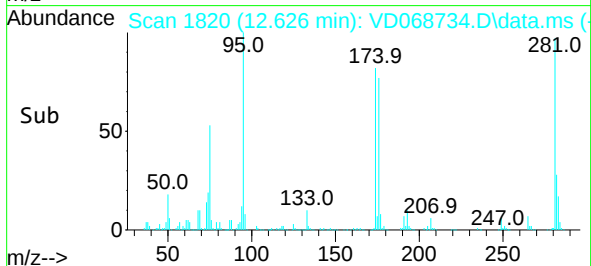
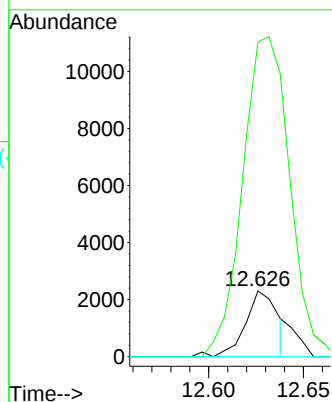
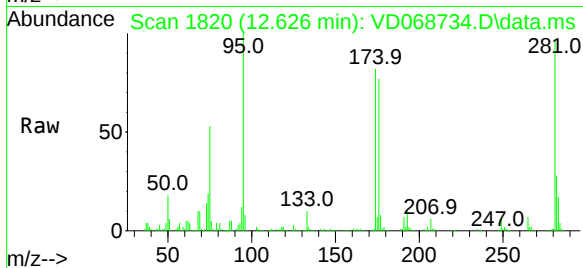
Tgt Ion:173 Resp: 2714

Ion Ratio Lower Upper

173 100

175 592.0 23.6 71.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.573 min Scan# 1981

Delta R.T. 0.000 min

Lab File: VD068734.D

Acq: 31 Mar 2021 13:21

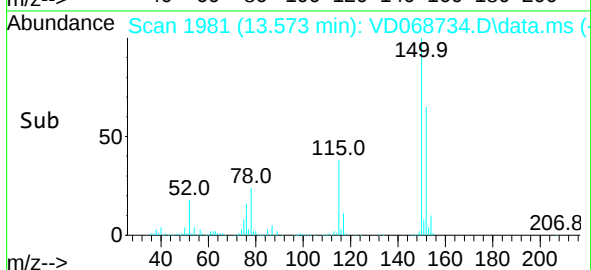
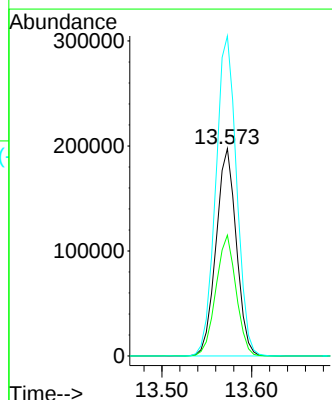
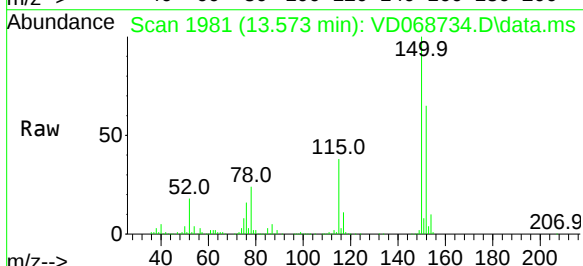
Tgt Ion:152 Resp: 310016

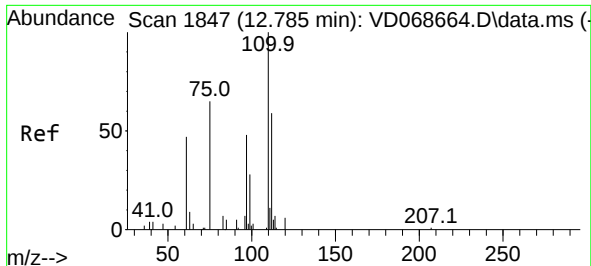
Ion Ratio Lower Upper

152 100

115 58.0 29.3 87.8

150 158.6 0.0 347.6

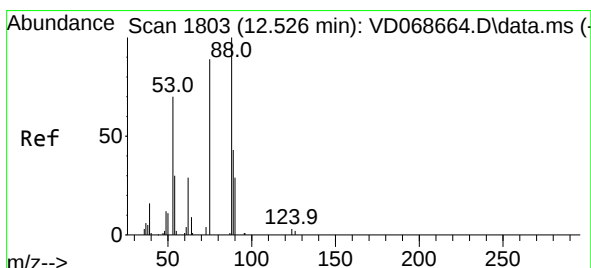
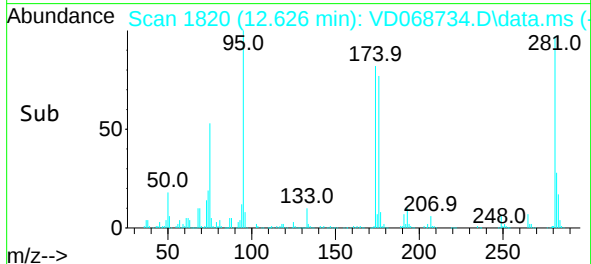
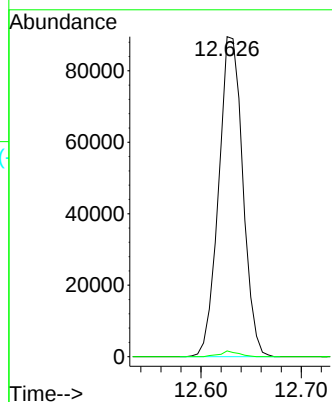
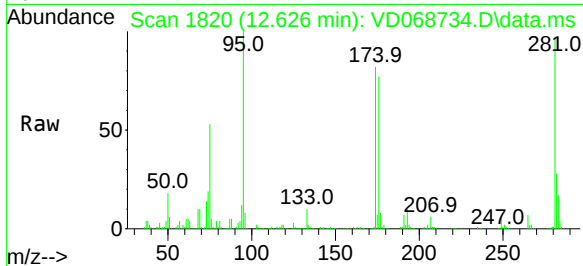




#76
1,2,3-Trichloropropane
Concen: 57.84 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.159 min
Lab File: VD068734.D
Acq: 31 Mar 2021 13:21

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 149235
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.58 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD068734.D
Acq: 31 Mar 2021 13:21

Tgt Ion: 75 Resp: 149235
Ion Ratio Lower Upper
75 100
53 0.2 66.8 100.2#
89 1.0 36.6 54.8#

