

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082720\
 Data File : VD066438.D
 Acq On : 27 Aug 2020 15:52
 Operator : VA/SY
 Sample : L3818-01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AC-1

Quant Time: Aug 28 01:48:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-7.97
34) 1,4-Difluorobenzene	0.00	114	0	0.00	ug/l	-8.86
63) Chlorobenzene-d5	11.71	117	111	50.00	ug/l	0.06
72) 1,4-Dichlorobenzene-d4	13.41	152	189	50.00	ug/l	-0.17

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount				50.000		
			Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount				50.000		
			Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount				50.000		
			Recovery	=	0.00%	
62) 4-Bromofluorobenzene	12.64	95	55	0.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	0.00%	

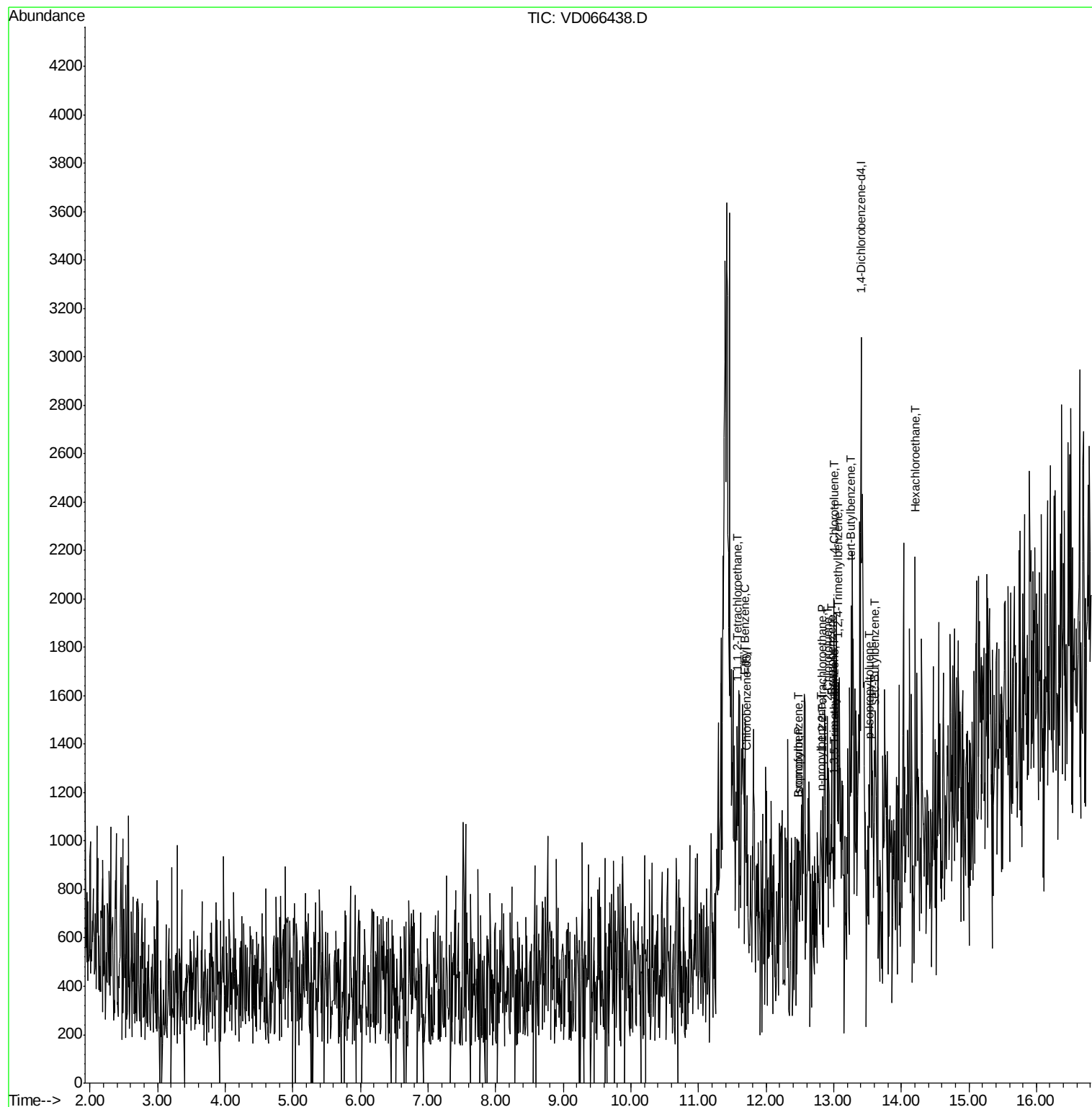
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
66) 1,1,1,2-Tetrachloroethane	11.57	131	62	68.699	ug/l #	13
67) Ethyl Benzene	11.69	91	58	14.921	ug/l #	45
71) Bromoform	12.48	173	59	115.230	ug/l #	28
73) Isopropylbenzene	12.48	105	95	7.503	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	12.84	83	87	48.102	ug/l #	26
77) Bromobenzene	12.97	156	398	123.852	ug/l #	1
78) n-propylbenzene	12.82	91	61	4.202	ug/l #	51
79) 2-Chlorotoluene	12.92	91	54	6.513	ug/l #	39
80) 1,3,5-Trimethylbenzene	13.00	105	60	5.489	ug/l #	29
82) 4-Chlorotoluene	13.01	91	89	10.132	ug/l #	40
83) tert-Butylbenzene	13.26	119	60	6.319	ug/l #	25
84) 1,2,4-Trimethylbenzene	13.07	105	68	6.333	ug/l #	31
85) sec-Butylbenzene	13.61	105	72	5.788	ug/l #	54
86) p-Isopropyltoluene	13.53	119	89	7.419	ug/l #	50
90) Hexachloroethane	14.21	117	61	25.742	ug/l #	4

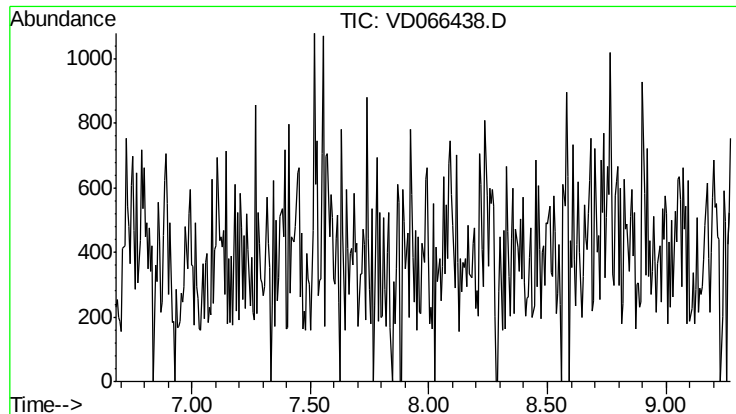
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082720\
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QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 7.97 min

Lab File: VD066438.D

Acq: 27 Aug 2020 15:52

Instrument :

MSVOA_D

ClientSampleId :

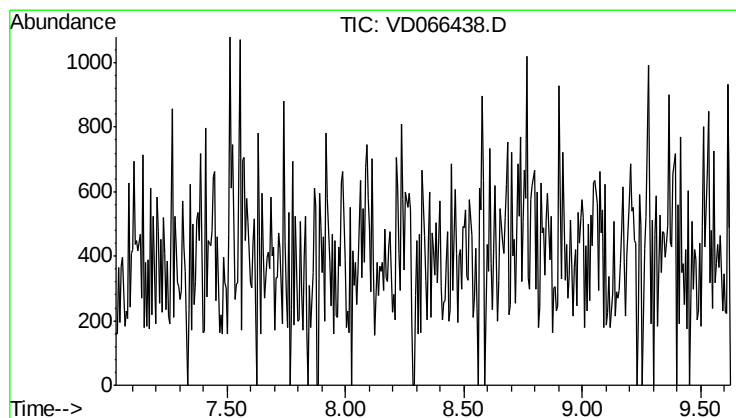
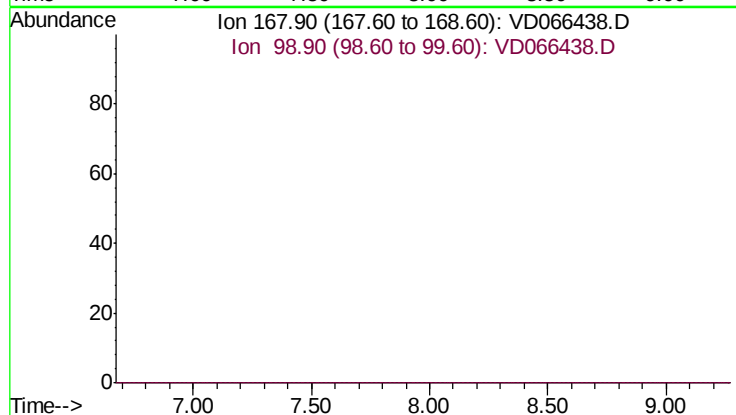
AC-1

Tot Ion: 168

Sig Exp Ratio

168 100

99 56.7



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.33 min

Lab File: VD066438.D

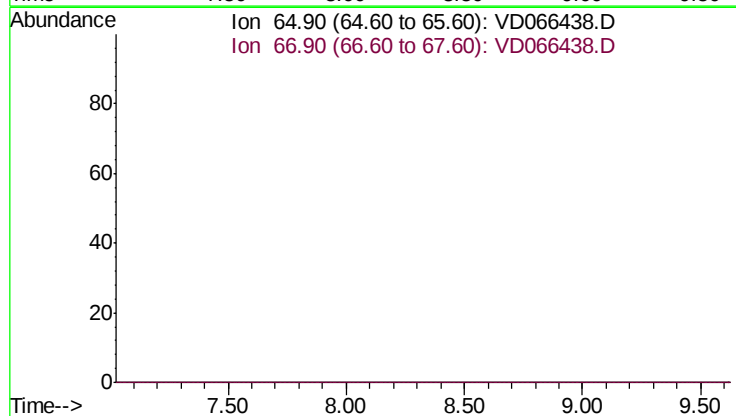
Acq: 27 Aug 2020 15:52

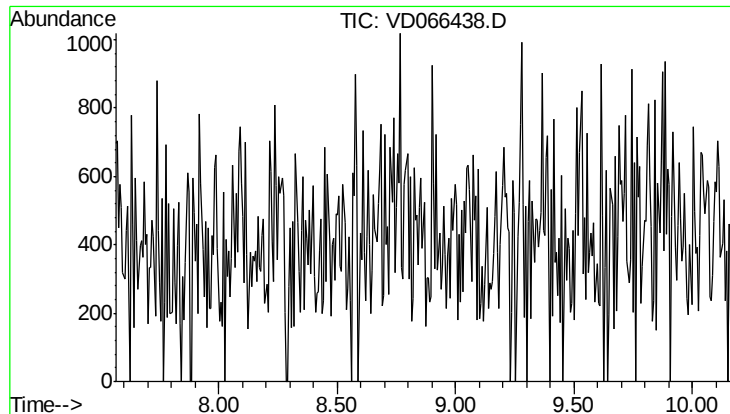
Tgt Ion: 65

Sig Exp Ratio

65 100

67 50.8

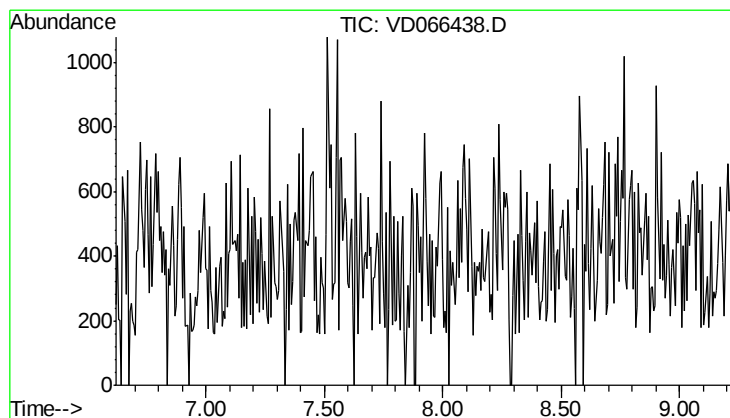
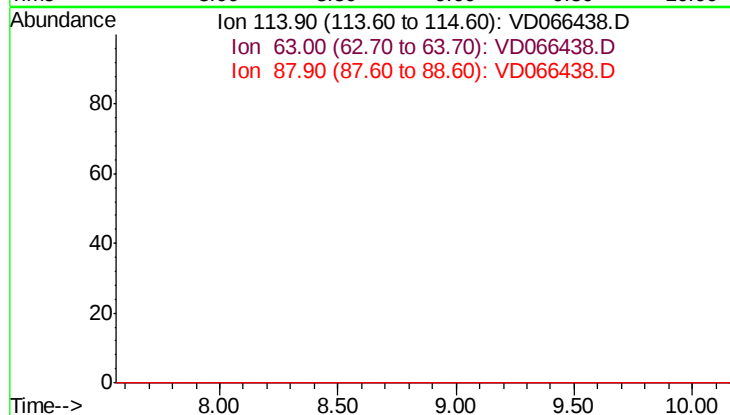




#34
 1,4-Difluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 8.86 min
 Lab File: VD066438.D
 Acq: 27 Aug 2020 15:52

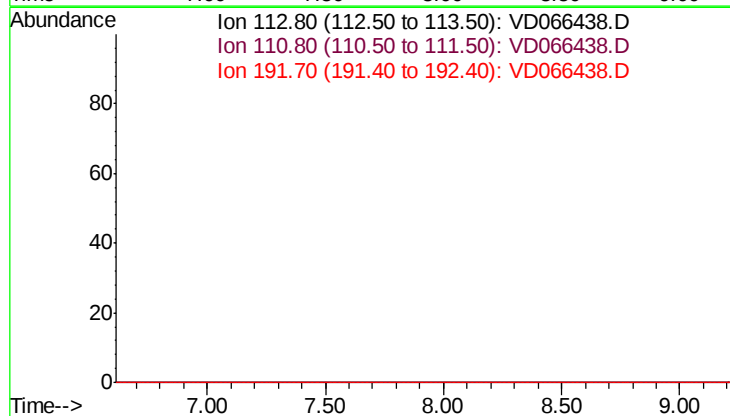
Instrument :
 MSVOA_D
 ClientSampleId :
 AC-1

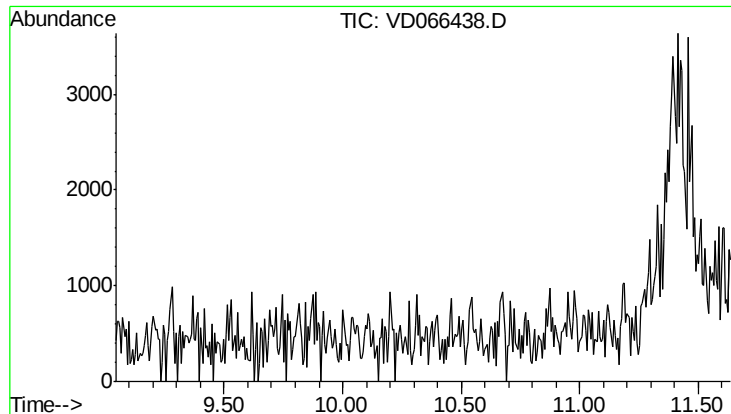
Tot Ion	114
Sig	Exp Ratio
114	100
63	20.4
88	17.7



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.91 min
 Lab File: VD066438.D
 Acq: 27 Aug 2020 15:52

Tgt Ion	113
Sig	Exp Ratio
113	100
111	100.4
192	23.8

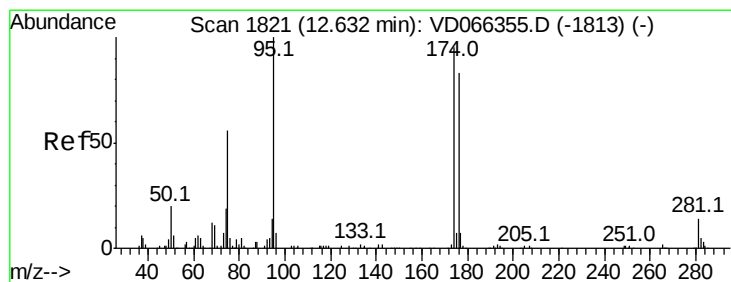
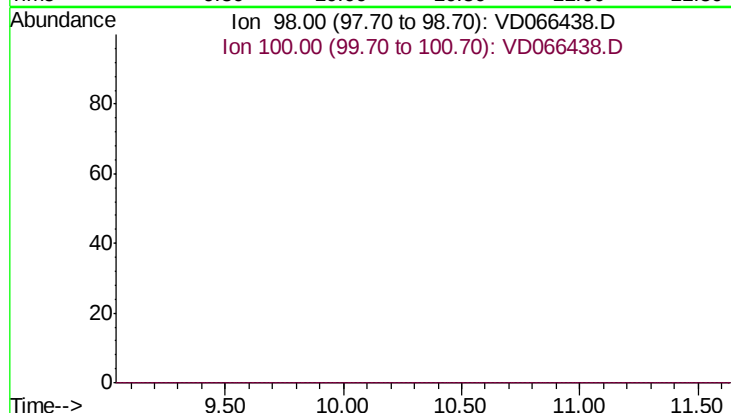




#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.34 min
Lab File: VD066438.D
Acq: 27 Aug 2020 15:52

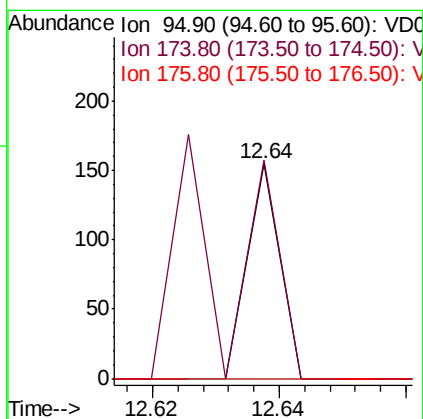
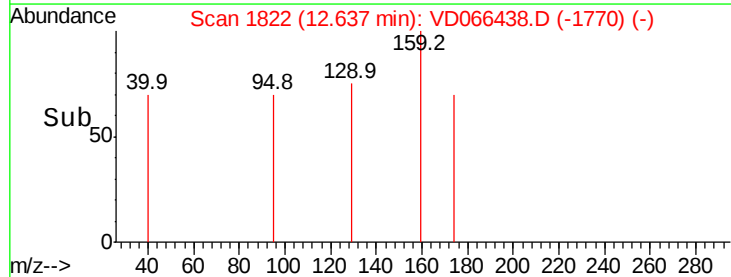
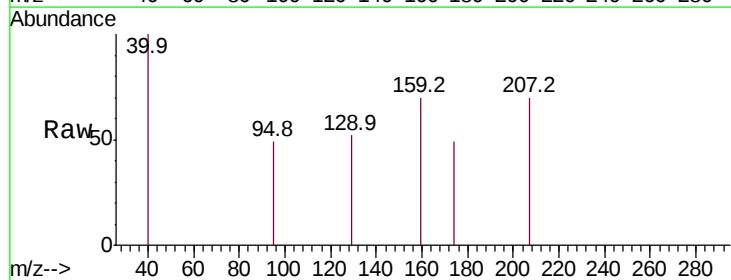
Instrument :
MSVOA_D
ClientSampleId :
AC-1

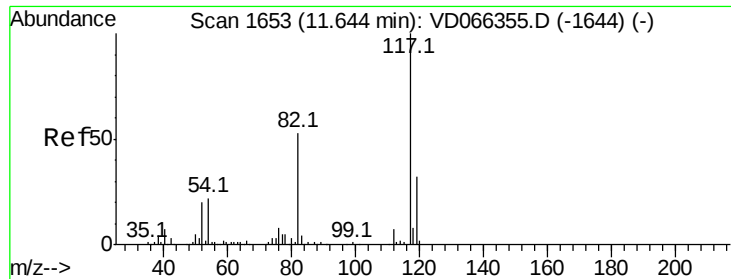
Tot Ion: 98
Sig Exp Ratio
98 100
100 66.2



#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD066438.D
Acq: 27 Aug 2020 15:52

Tgt Ion: 95 Resp: 55
Ion Ratio Lower Upper
95 100
174 214.5 0.0 183.4#
176 0.0 0.0 173.8

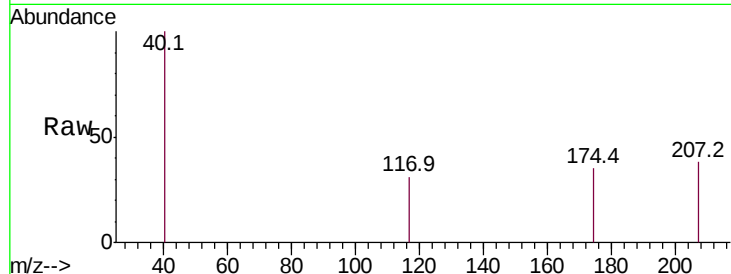




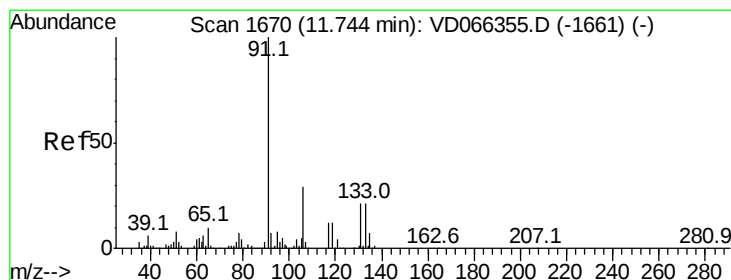
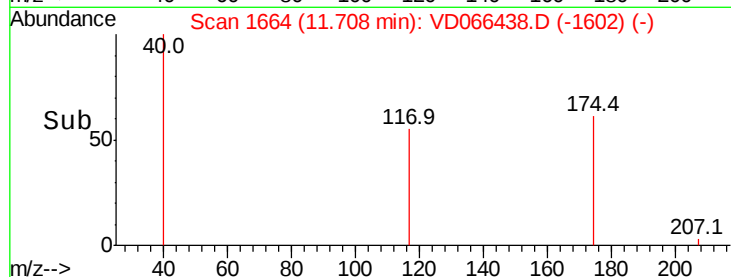
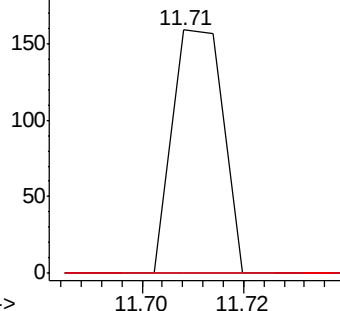
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.71 min Scan# 1664
Delta R.T. 0.06 min
Lab File: VD066438.D
Acq: 27 Aug 2020 15:52

Instrument :
MSVOA_D
ClientSampled :
AC-1

Tot Ion:117 Resp: 111
Ion Ratio Lower Upper
117 100
82 0.0 42.8 64.2#
119 0.0 25.8 38.8#

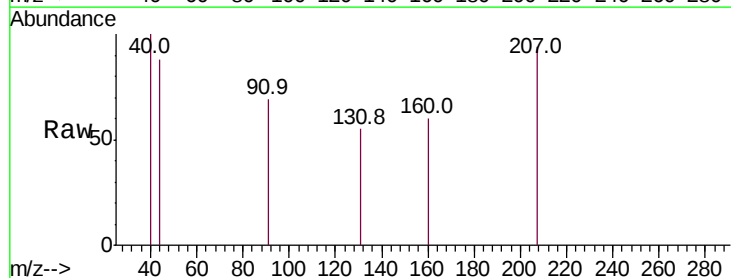


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

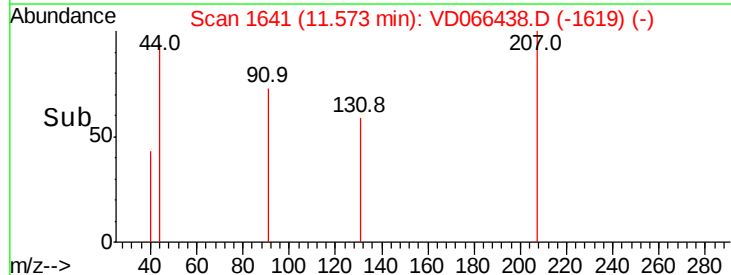
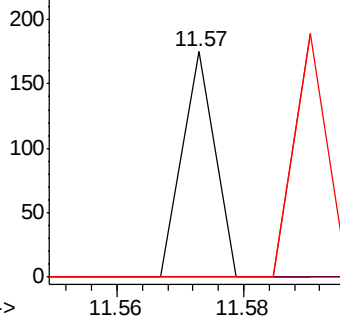


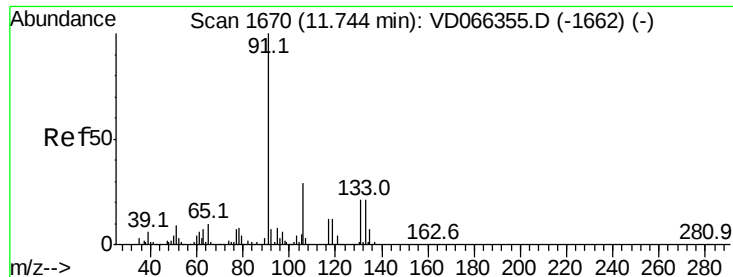
#66
1,1,1,2-Tetrachloroethane
Concen: 68.699 ug/l
RT: 11.57 min Scan# 1641
Delta R.T. -0.17 min
Lab File: VD066438.D
Acq: 27 Aug 2020 15:52

Tgt Ion:131 Resp: 62
Ion Ratio Lower Upper
131 100
133 0.0 48.6 145.9#
119 108.1 29.0 87.1#



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 14.921 ug/l

RT: 11.69 min Scan# 1661

Delta R.T. -0.05 min

Lab File: VD066438.D

Acq: 27 Aug 2020 15:52

Instrument :

MSVOA_D

ClientSampleId :

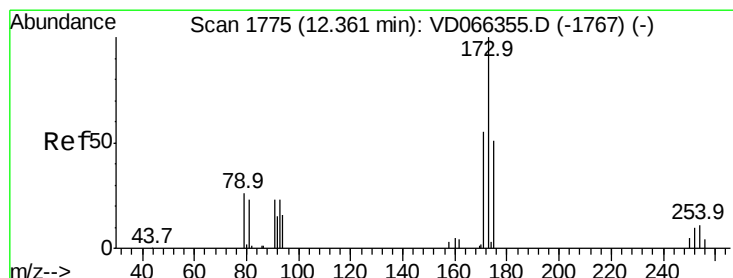
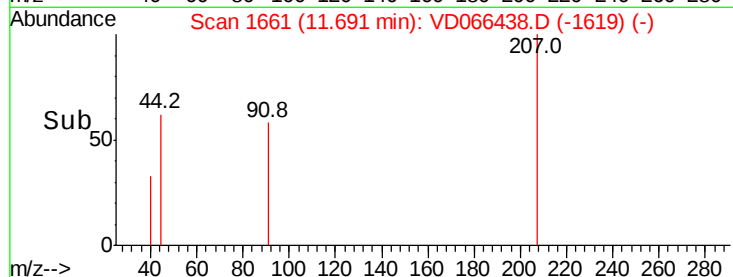
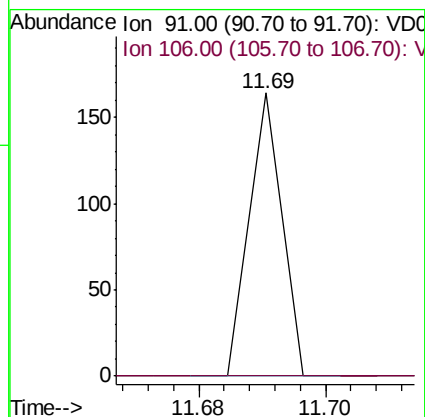
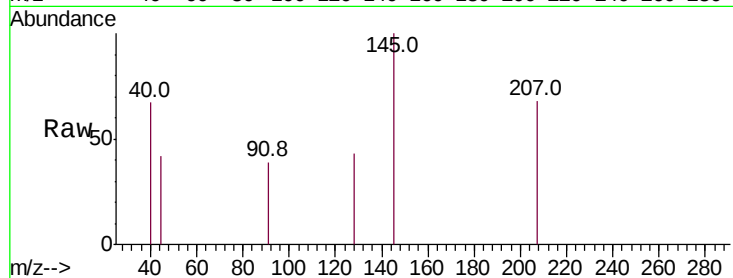
AC-1

Tot Ion: 91 Resp: 58

Ion Ratio Lower Upper

91 100

106 0.0 23.4 35.2#



#71

Bromoform

Concen: 115.230 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.12 min

Lab File: VD066438.D

Acq: 27 Aug 2020 15:52

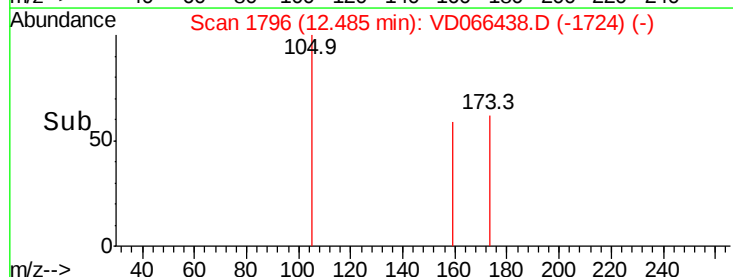
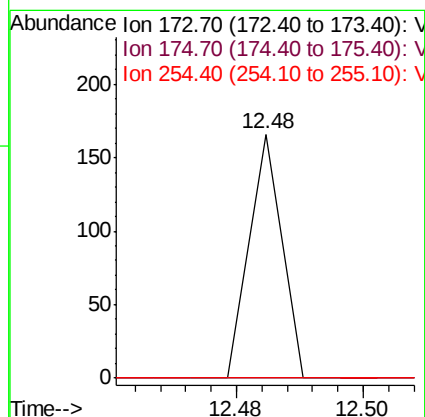
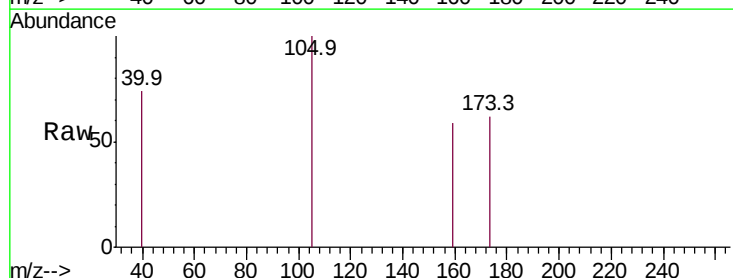
Tgt Ion: 173 Resp: 59

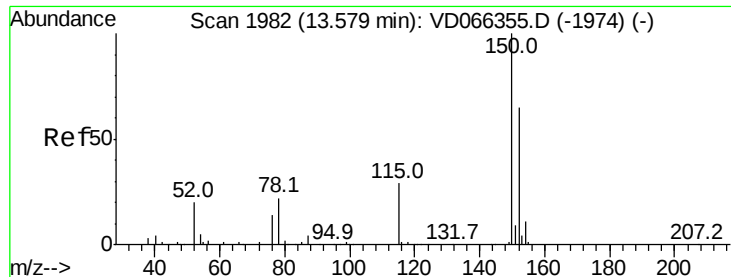
Ion Ratio Lower Upper

173 100

175 0.0 24.8 74.3#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.17 min

Lab File: VD066438.D

Acq: 27 Aug 2020 15:52

Instrument :

MSVOA_D

ClientSampled :

AC-1

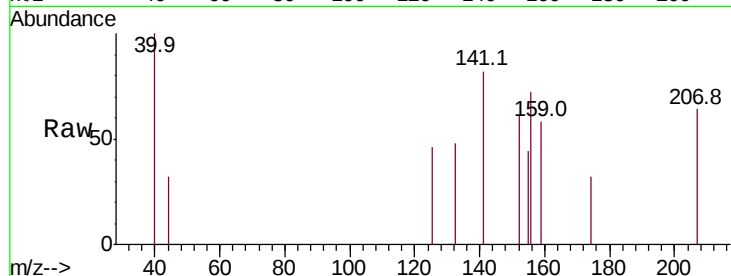
Tot Ion:152 Resp: 189

Ion Ratio Lower Upper

152 100

115 95.2 28.3 85.0#

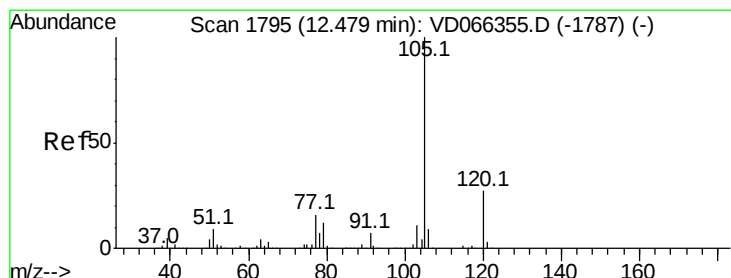
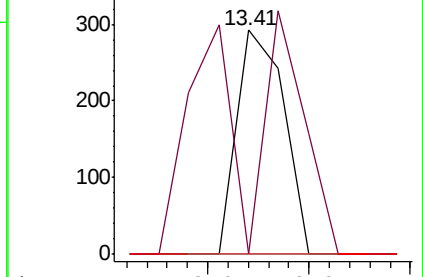
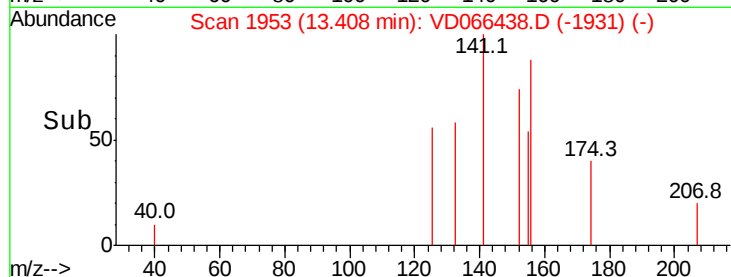
150 0.0 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 7.503 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD066438.D

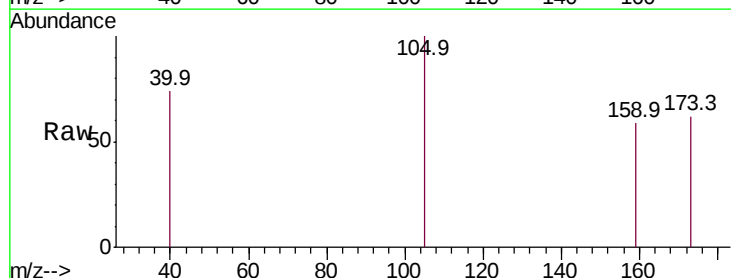
Acq: 27 Aug 2020 15:52

Tgt Ion:105 Resp: 95

Ion Ratio Lower Upper

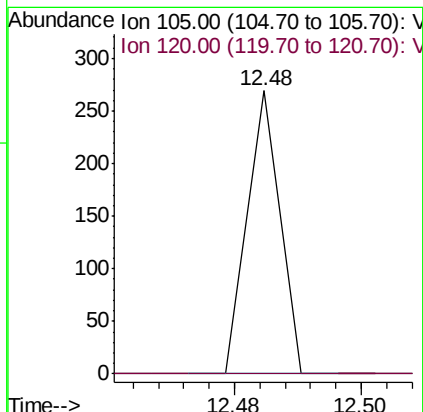
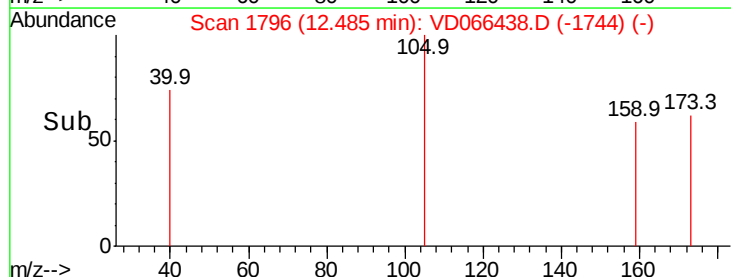
105 100

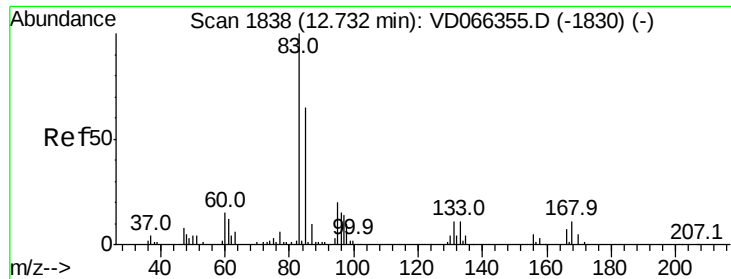
120 0.0 13.6 40.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.102 ug/l

RT: 12.84 min Scan# 1857

Delta R.T. 0.11 min

Lab File: VD066438.D

Acq: 27 Aug 2020 15:52

Instrument :

MSVOA_D

ClientSampleId :

AC-1

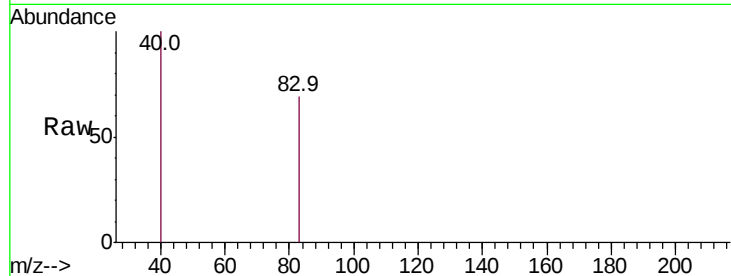
Tot Ion: 83 Resp: 87

Ion Ratio Lower Upper

83 100

131 0.0 7.0 20.9#

85 0.0 32.4 97.0#



Abundance Ion 82.90 (82.60 to 83.60): VD066438.D (-1857) (-)

Ion 130.80 (130.50 to 131.50): VD066438.D (-1857) (-)

Ion 84.90 (84.60 to 85.60): VD066438.D (-1857) (-)

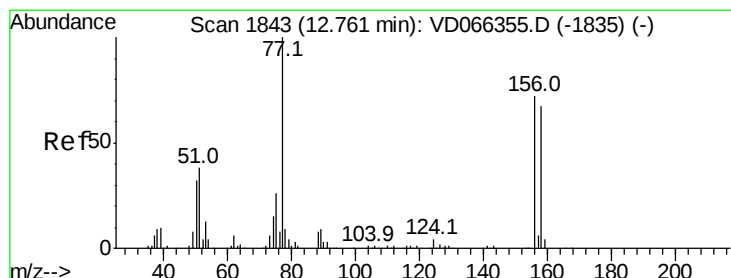
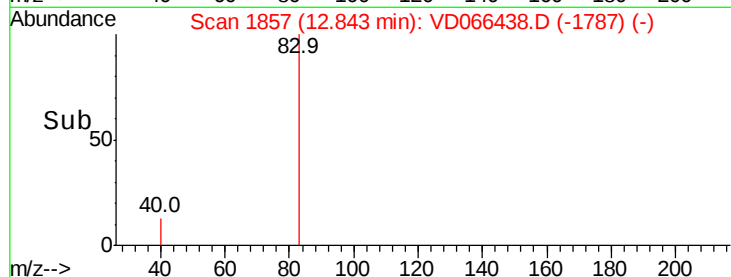
12.84

200

100

0

Time--> 12.82 12.84 12.86



#77

Bromobenzene

Concen: 123.852 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.21 min

Lab File: VD066438.D

Acq: 27 Aug 2020 15:52

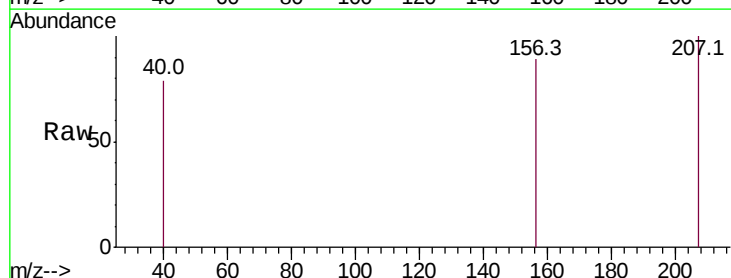
Tgt Ion: 156 Resp: 398

Ion Ratio Lower Upper

156 100

77 0.0 76.1 228.3#

158 0.0 47.6 142.9#



Abundance Ion 155.80 (155.50 to 156.50): VD066438.D (-1878) (-)

Ion 77.00 (76.70 to 77.70): VD066438.D (-1878) (-)

Ion 157.80 (157.50 to 158.50): VD066438.D (-1878) (-)

12.97

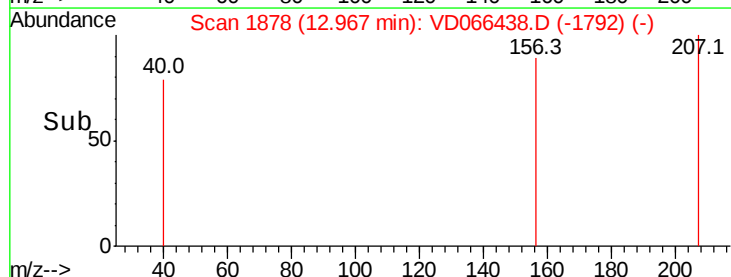
300

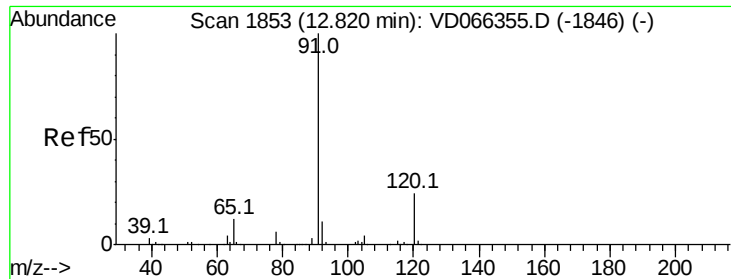
200

100

0

Time--> 12.92 12.94 12.96 12.98





#78

n-propylbenzene

Concen: 4.202 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066438.D

Acq: 27 Aug 2020 15:52

Instrument :

MSVOA_D

ClientSampled :

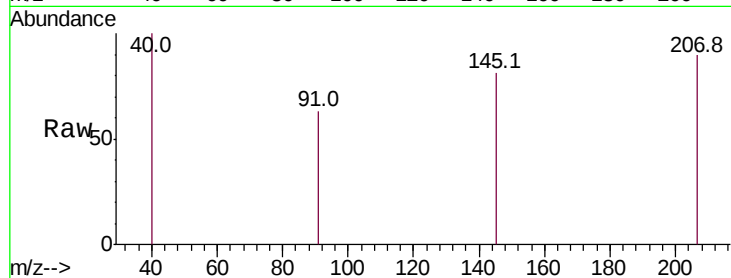
AC-1

Tot Ion: 91 Resp: 61

Ion Ratio Lower Upper

91 100

120 0.0 12.0 36.0#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

200

150

100

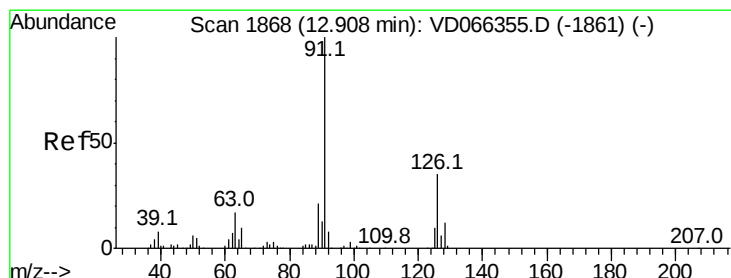
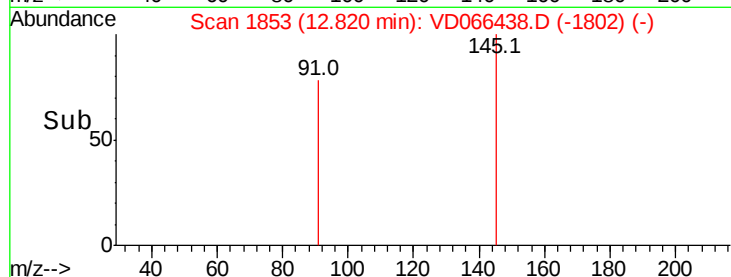
50

0

12.80

12.82

Time-->



#79

2-Chlorotoluene

Concen: 6.513 ug/l

RT: 12.92 min Scan# 1870

Delta R.T. 0.01 min

Lab File: VD066438.D

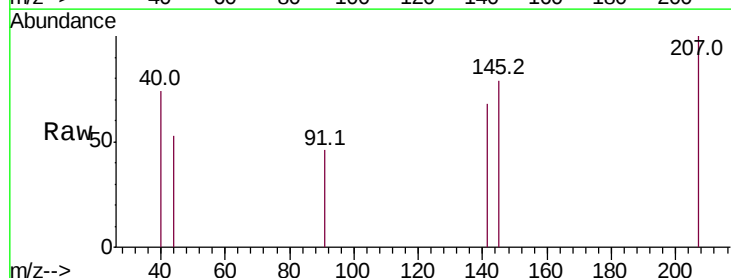
Acq: 27 Aug 2020 15:52

Tgt Ion: 91 Resp: 54

Ion Ratio Lower Upper

91 100

126 0.0 17.7 53.1#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

200

150

100

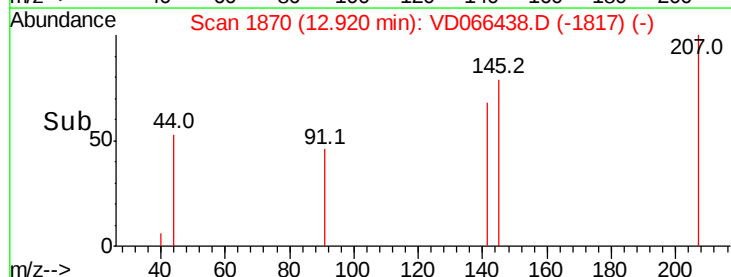
50

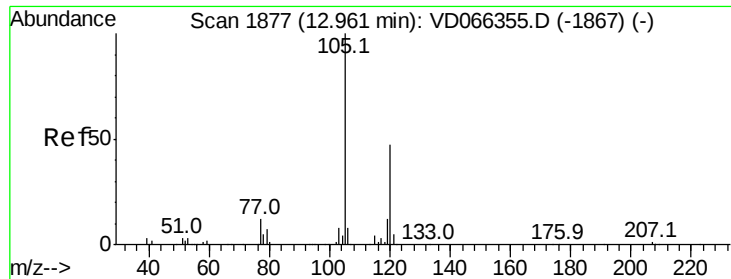
0

12.90

12.92

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 5.489 ug/l

RT: 13.00 min Scan# 1883

Delta R.T. 0.04 min

Lab File: VD066438.D

Acq: 27 Aug 2020 15:52

Instrument :

MSVOA_D

ClientSampled :

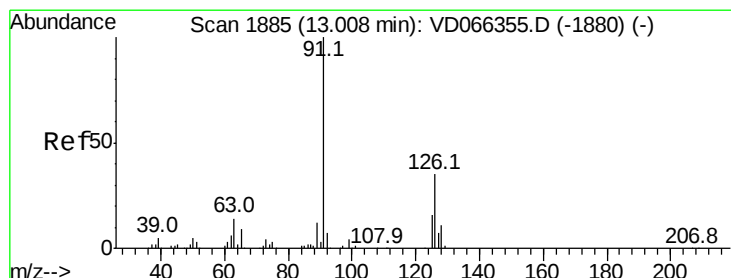
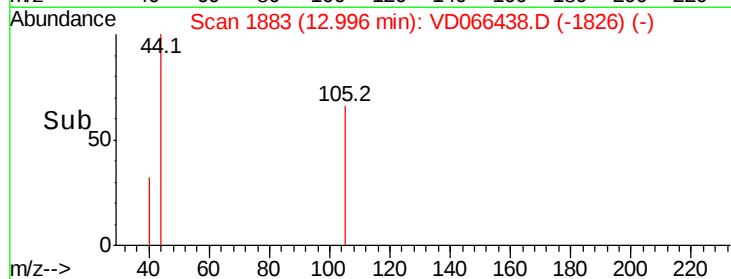
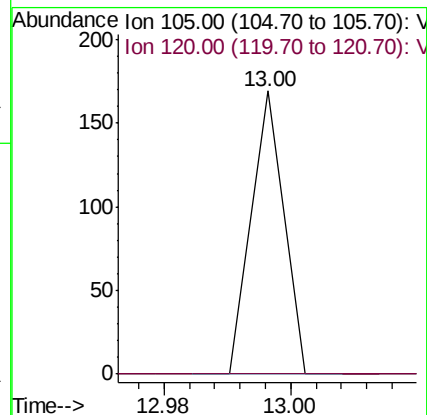
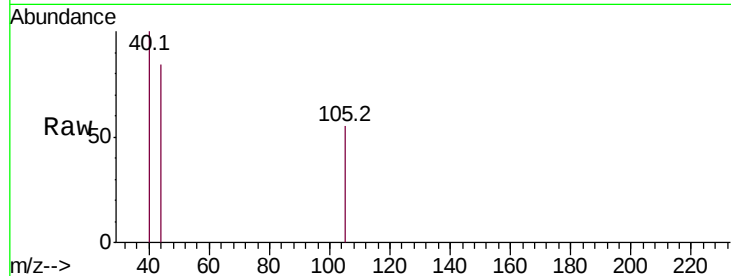
AC-1

Tot Ion:105 Resp: 60

Ion Ratio Lower Upper

105 100

120 0.0 24.1 72.2#



#82

4-Chlorotoluene

Concen: 10.132 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD066438.D

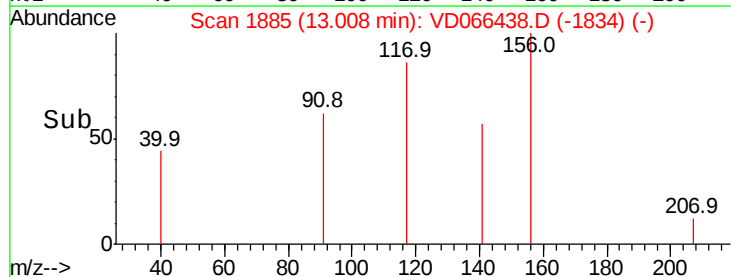
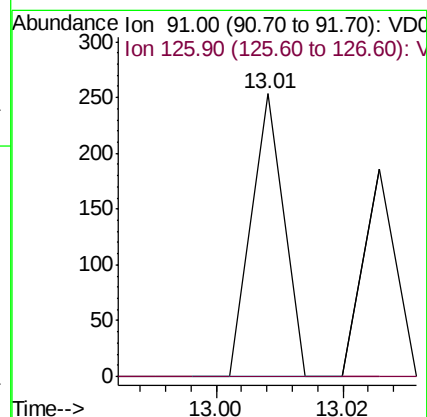
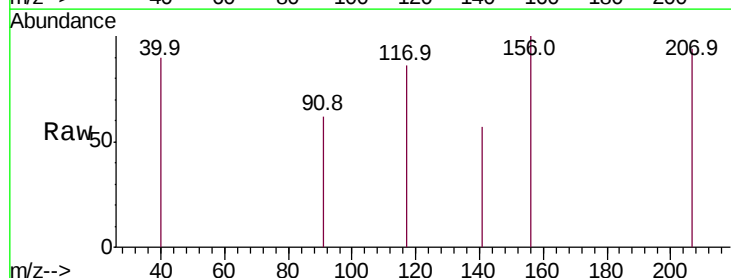
Acq: 27 Aug 2020 15:52

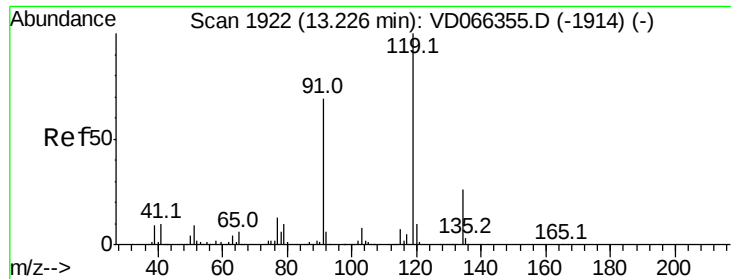
Tgt Ion: 91 Resp: 89

Ion Ratio Lower Upper

91 100

126 0.0 17.4 52.2#





#83

tert-Butylbenzene

Concen: 6.319 ug/l

RT: 13.26 min Scan# 1928

Delta R.T. 0.04 min

Lab File: VD066438.D

Acq: 27 Aug 2020 15:52

Instrument :

MSVOA_D

ClientSampleId :

AC-1

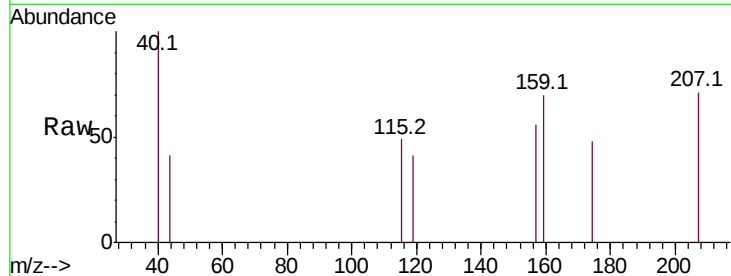
Tot Ion:119 Resp: 60

Ion Ratio Lower Upper

119 100

91 0.0 33.5 100.5#

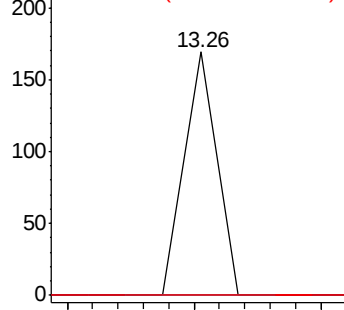
134 0.0 13.5 40.4#



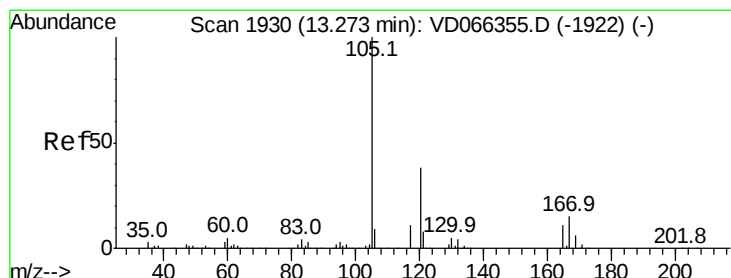
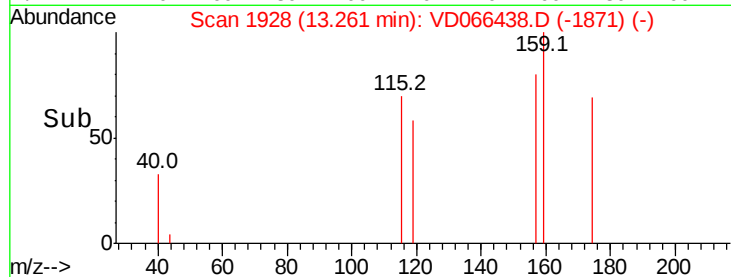
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



Time--> 13.24 13.26 13.28



#84

1,2,4-Trimethylbenzene

Concen: 6.333 ug/l

RT: 13.07 min Scan# 1895

Delta R.T. -0.21 min

Lab File: VD066438.D

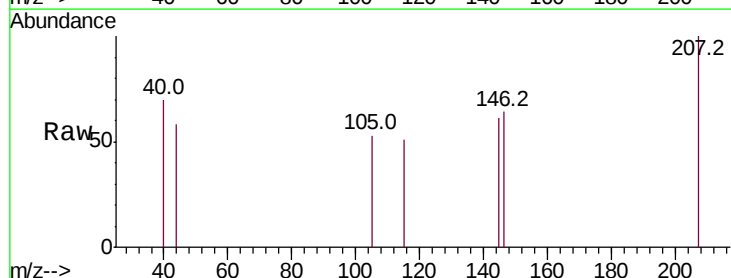
Acq: 27 Aug 2020 15:52

Tgt Ion:105 Resp: 68

Ion Ratio Lower Upper

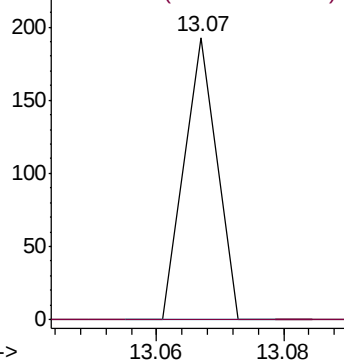
105 100

120 0.0 22.6 67.7#

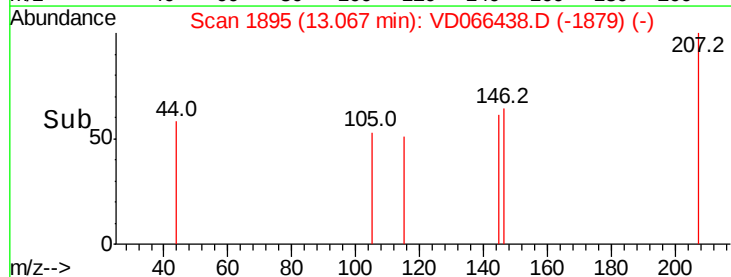


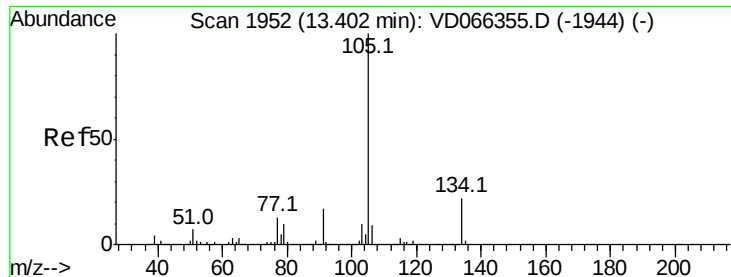
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 13.06 13.08





#85

sec-Butylbenzene

Concen: 5.788 ug/l

RT: 13.61 min Scan# 1987

Delta R.T. 0.21 min

Lab File: VD066438.D

Acq: 27 Aug 2020 15:52

Instrument :

MSVOA_D

ClientSampleId :

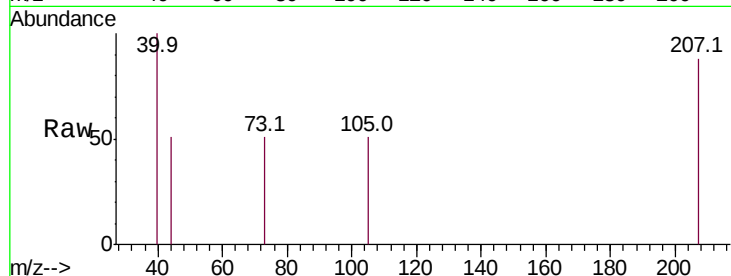
AC-1

Tot Ion:105 Resp: 72

Ion Ratio Lower Upper

105 100

134 0.0 10.8 32.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.61

200

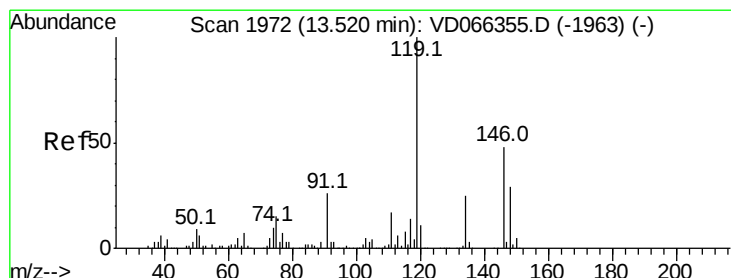
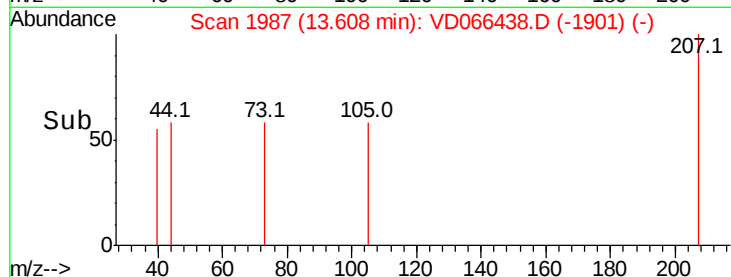
150

100

50

0

Time-->



#86

p-Isopropyltoluene

Concen: 7.419 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD066438.D

Acq: 27 Aug 2020 15:52

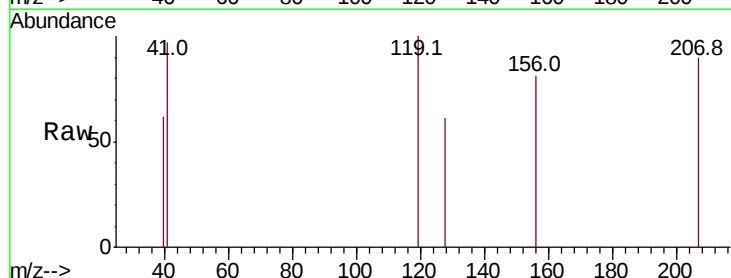
Tgt Ion:119 Resp: 89

Ion Ratio Lower Upper

119 100

134 0.0 12.8 38.3#

91 0.0 12.7 38.0#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

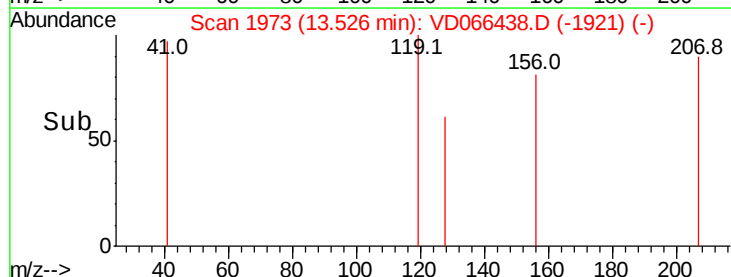
300

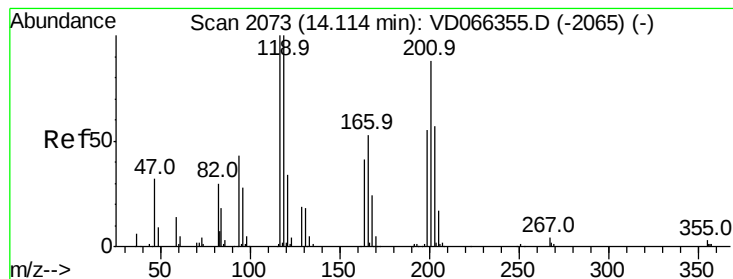
200

100

0

Time-->





#90

Hexachloroethane

Concen: 25.742 ug/l

RT: 14.21 min Scan# 2089

Delta R.T. 0.09 min

Lab File: VD066438.D

Acq: 27 Aug 2020 15:52

Instrument :

MSVOA_D

ClientSampleId :

AC-1

Tot Ion:117 Resp: 61

Ion Ratio Lower Upper

117 100

201 0.0 45.4 136.2#

