

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
 Data File : VD064820.D
 Acq On : 09 Jan 2020 16:59
 Operator : VA/SY
 Sample : L1051-07
 Misc : 7.91G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

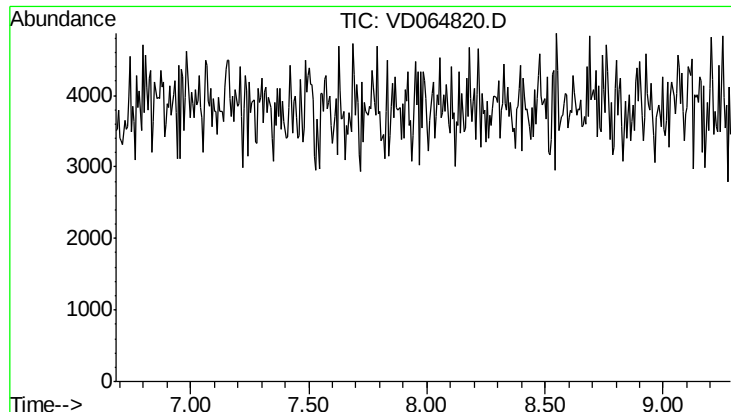
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3G-(11-13)

Quant Time: Jan 10 05:42:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-7.98
34) 1,4-Difluorobenzene	0.00	114	0	0.00	ug/l	-8.87
63) Chlorobenzene-d5	11.65	117	155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	71	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.57	65	55	0.00	ug/l	0.24
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	10.34	98	118	0.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	0.00%	
62) 4-Bromofluorobenzene	12.52	95	60	0.00	ug/l	-0.12
Spiked Amount 50.000			Recovery	=	0.00%	
Target Compounds						
					Qvalue	
74) N-amyl acetate	12.31	43	90	82.980	ug/l #	21
78) n-propylbenzene	12.82	91	54	9.123	ug/l #	51
79) 2-Chlorotoluene	12.91	91	56	17.222	ug/l #	39
82) 4-Chlorotoluene	12.91	91	56	16.183	ug/l #	39
87) 1,3-Dichlorobenzene	13.64	146	66	27.770	ug/l #	19
88) 1,4-Dichlorobenzene	13.64	146	66	28.269	ug/l #	18
91) 1,2-Dichlorobenzene	13.64	146	66	32.567	ug/l #	20
93) 1,2,4-Trichlorobenzene	15.29	180	57	38.199	ug/l #	12

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD010920\
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ALS Vial : 1 Sample Multiplier: 1



#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 7.98 min

Lab File: VD064820.D

Acq: 09 Jan 2020 16:59

Tot Ion: 168

Sig Exp Ratio

168 100

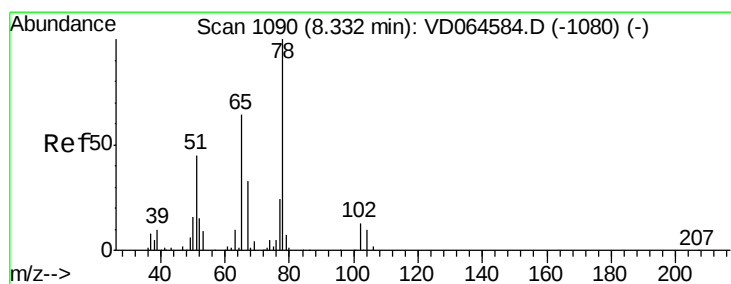
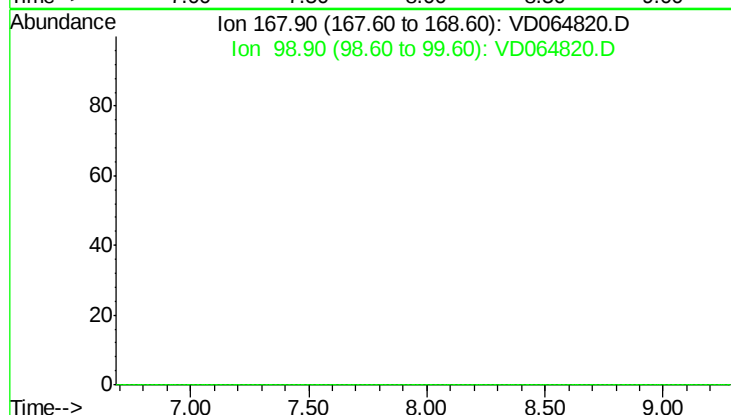
99 52.2

Instrument :

MSVOA_D

ClientSampleId :

SB-3G-(11-13)



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

RT: 8.57 min Scan# 1131

Delta R.T. 0.24 min

Lab File: VD064820.D

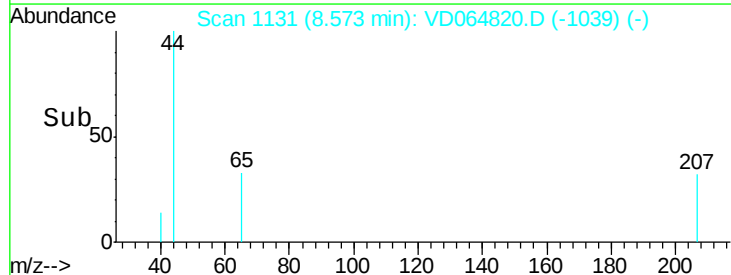
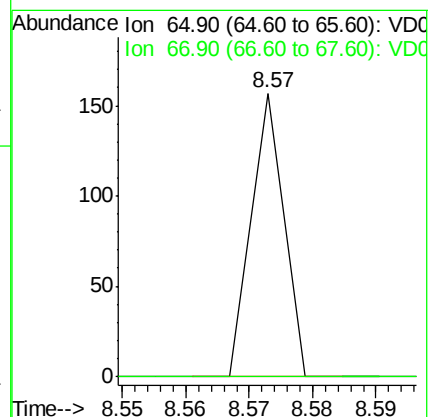
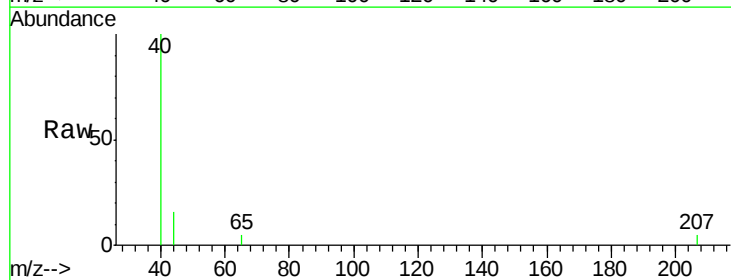
Acq: 09 Jan 2020 16:59

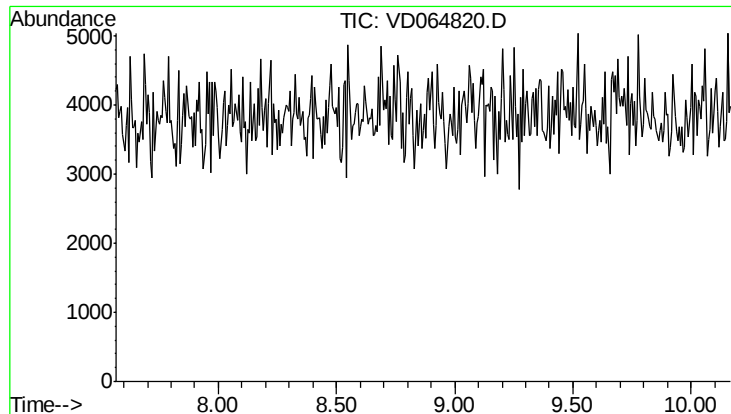
Tgt Ion: 65 Resp: 55

Ion Ratio Lower Upper

65 100

67 0.0 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 0.000 ug/l

Expected RT: 8.87 min

Lab File: VD064820.D

Acq: 09 Jan 2020 16:59

Instrument :

MSVOA_D

ClientSampleId :

SB-3G-(11-13)

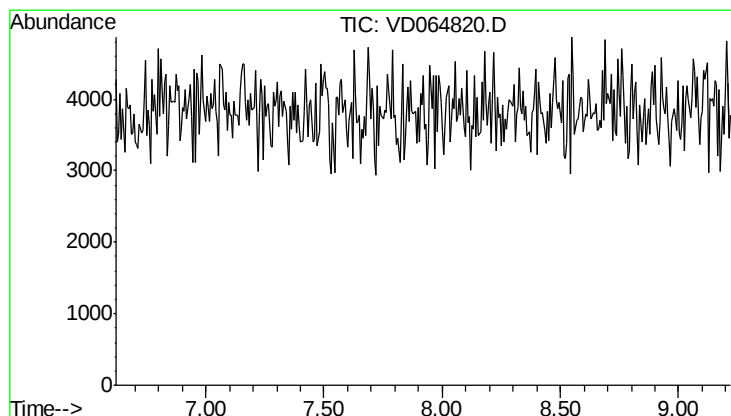
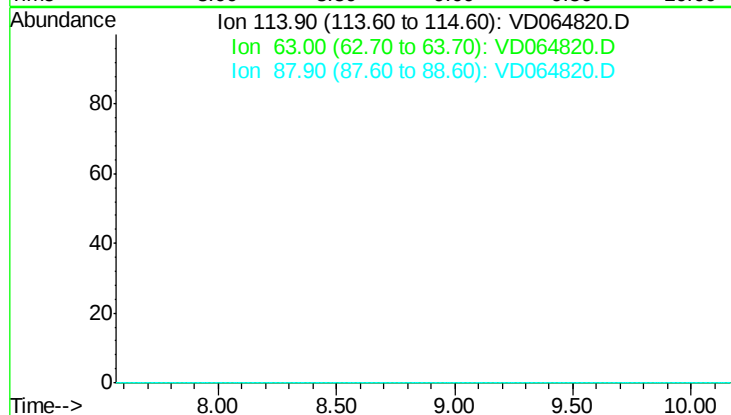
Tot Ion: 114

Sig	Exp Ratio
114	100
63	19.0
88	14.6

114 100

63 19.0

88 14.6



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 7.92 min

Lab File: VD064820.D

Acq: 09 Jan 2020 16:59

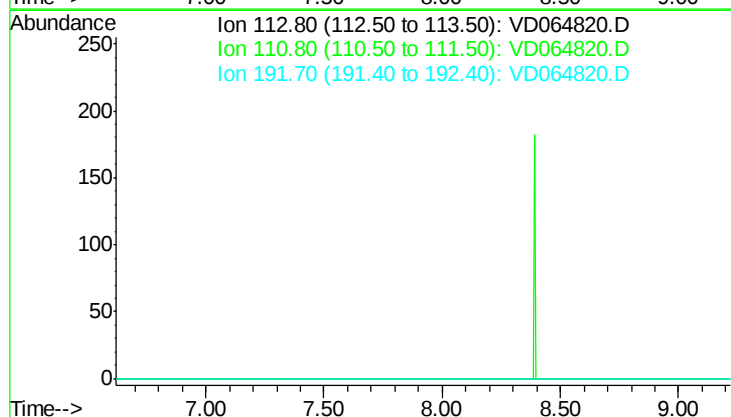
Tgt Ion: 113

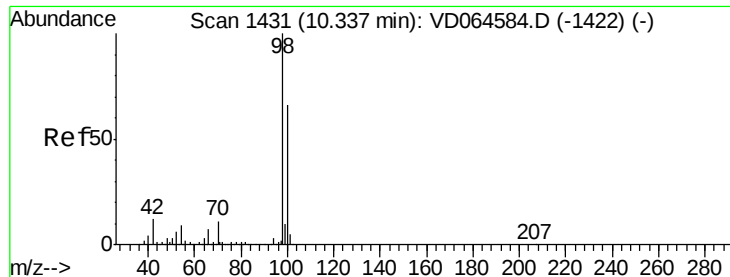
Sig	Exp Ratio
113	100
111	100.8
192	22.4

113 100

111 100.8

192 22.4





#50

Toluene-d8

Concen: 0.000 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD064820.D

Acq: 09 Jan 2020 16:59

Instrument :

MSVOA_D

ClientSampleId :

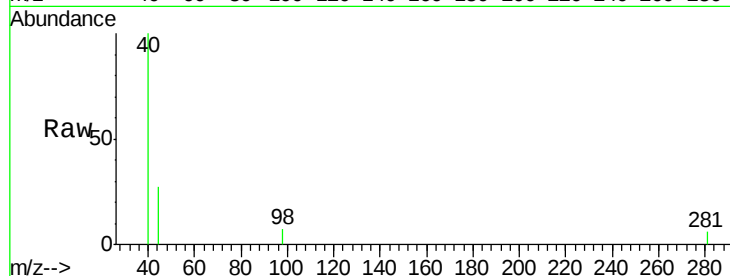
SB-3G-(11-13)

Tot Ion: 98 Resp: 118

Ion Ratio Lower Upper

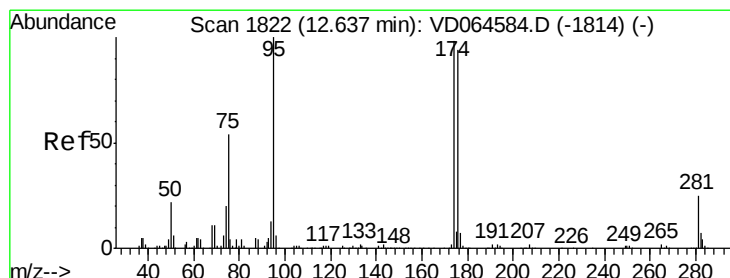
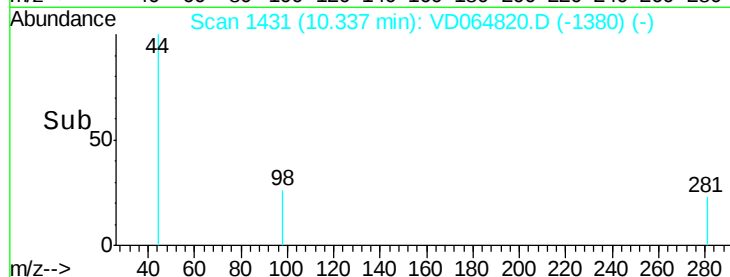
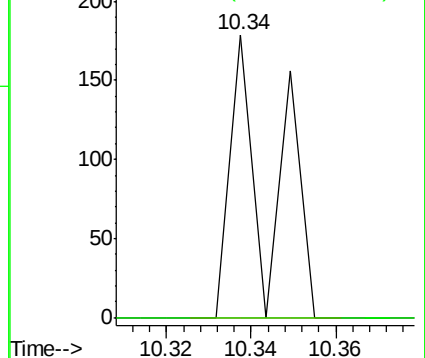
98 100

100 0.0 51.7 77.5#



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

RT: 12.52 min Scan# 1802

Delta R.T. -0.12 min

Lab File: VD064820.D

Acq: 09 Jan 2020 16:59

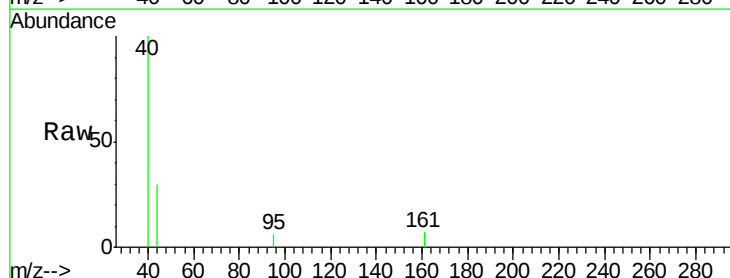
Tgt Ion: 95 Resp: 60

Ion Ratio Lower Upper

95 100

174 0.0 0.0 193.2

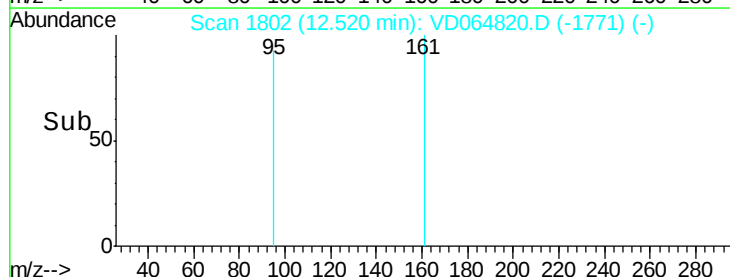
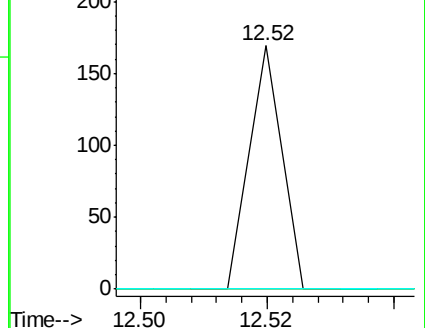
176 0.0 0.0 184.2

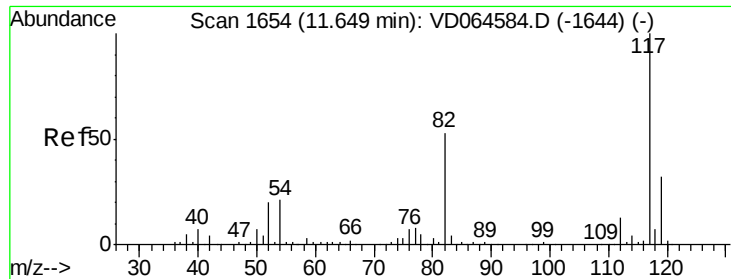


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064820.D

Acq: 09 Jan 2020 16:59

Instrument :

MSVOA_D

ClientSampleId :

SB-3G-(11-13)

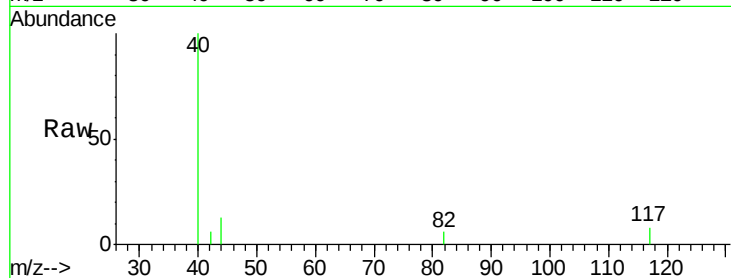
Tot Ion:117 Resp: 155

Ion Ratio Lower Upper

117 100

82 70.7 42.2 63.4#

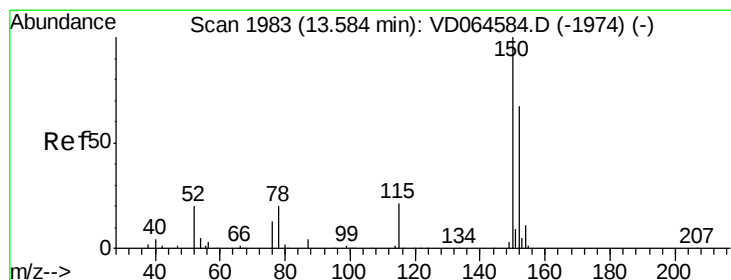
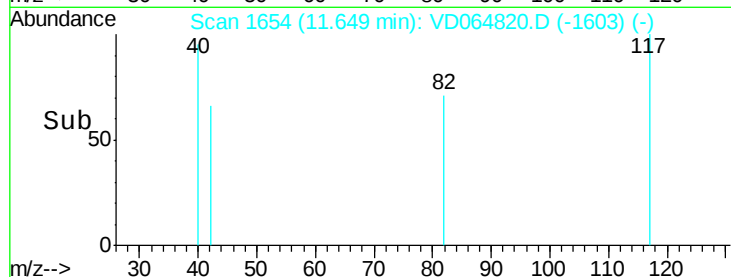
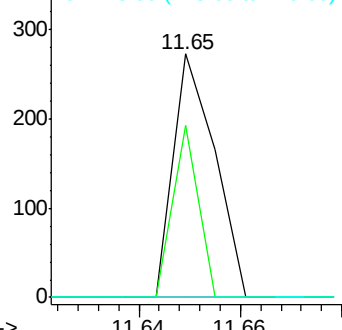
119 0.0 26.0 39.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD064820.D

Acq: 09 Jan 2020 16:59

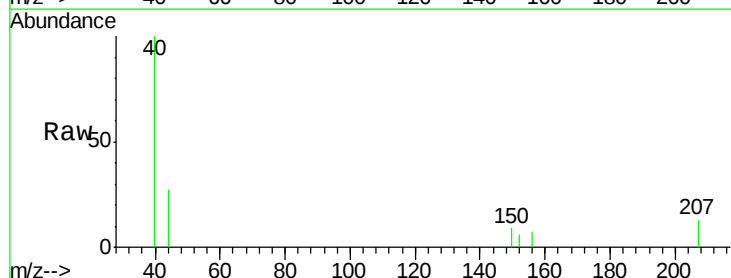
Tgt Ion:152 Resp: 71

Ion Ratio Lower Upper

152 100

115 0.0 27.8 83.4#

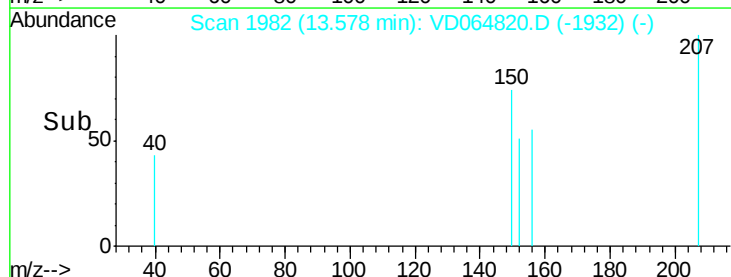
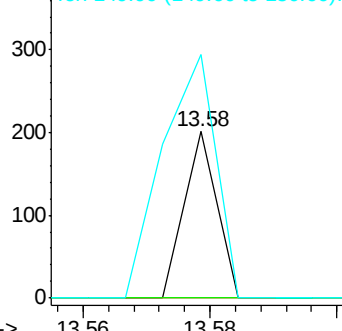
150 238.0 0.0 351.4

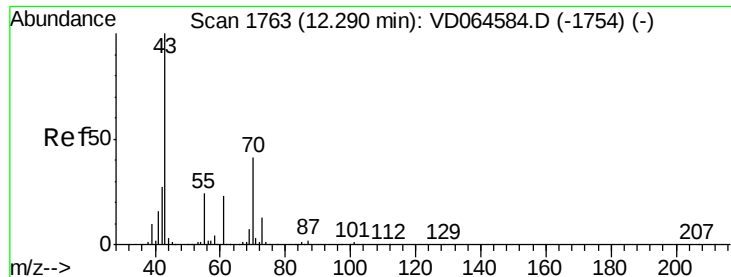


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyl acetate

Concen: 82.980 ug/l

RT: 12.31 min Scan# 1767

Delta R.T. 0.02 min

Lab File: VD064820.D

Acq: 09 Jan 2020 16:59

Instrument :

MSVOA_D

ClientSampleId :

SB-3G-(11-13)

Tot Ion: 43 Resp: 90

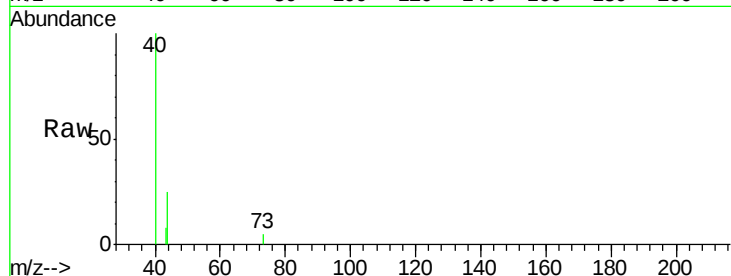
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.0#

55 90.0 19.4 29.0#

61 0.0 18.3 27.5#

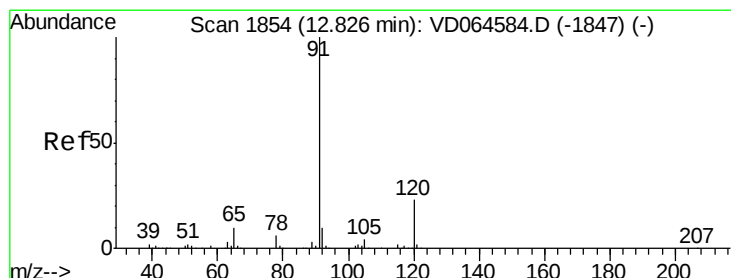
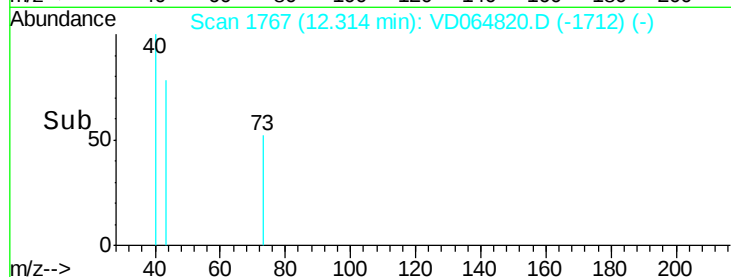
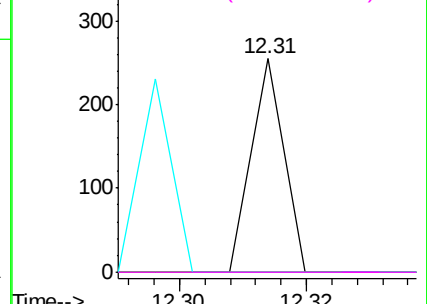


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#78

n-propylbenzene

Concen: 9.123 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VD064820.D

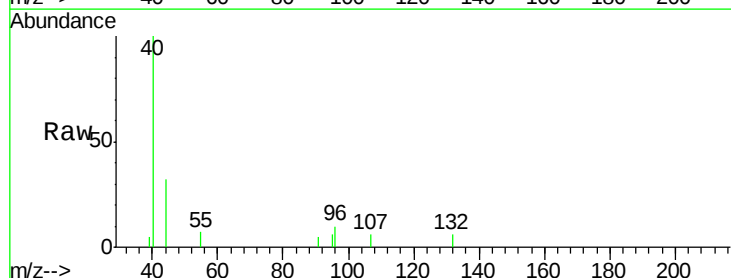
Acq: 09 Jan 2020 16:59

Tgt Ion: 91 Resp: 54

Ion Ratio Lower Upper

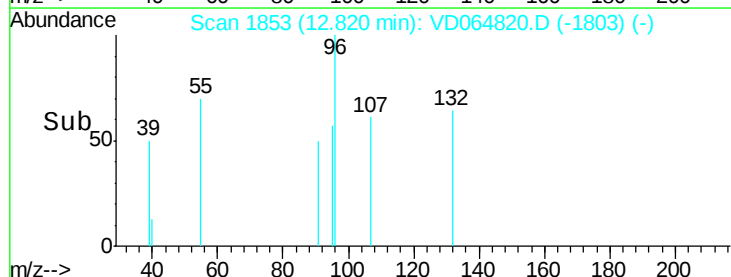
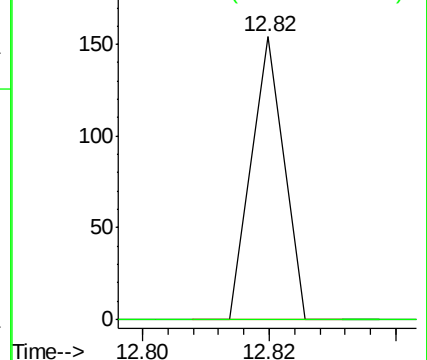
91 100

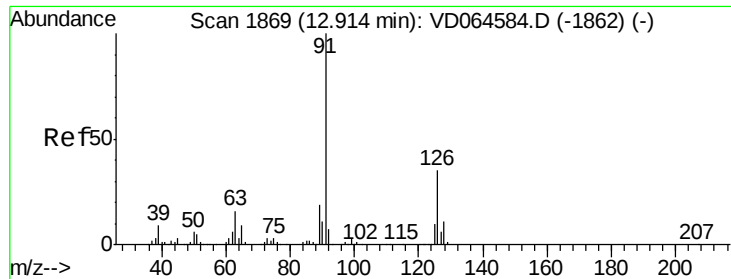
120 0.0 11.9 35.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.222 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064820.D

Acq: 09 Jan 2020 16:59

Instrument :

MSVOA_D

ClientSampleId :

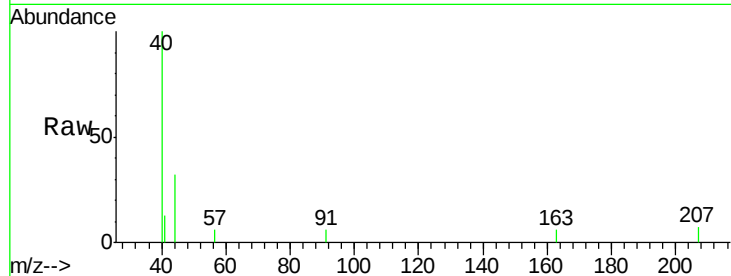
SB-3G-(11-13)

Tot Ion: 91 Resp: 56

Ion Ratio Lower Upper

91 100

126 0.0 17.8 53.5#



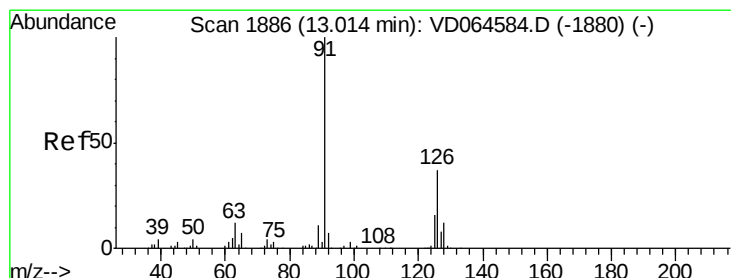
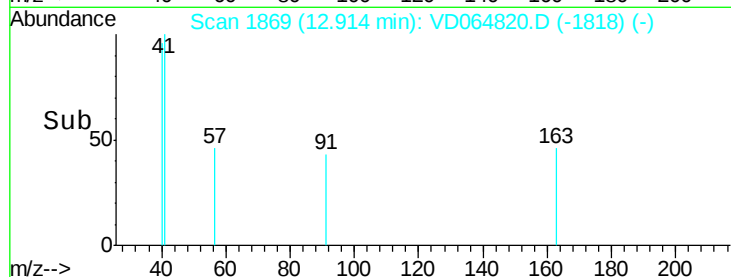
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

12.91

12.91

Time-->



#82

4-Chlorotoluene

Concen: 16.183 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.10 min

Lab File: VD064820.D

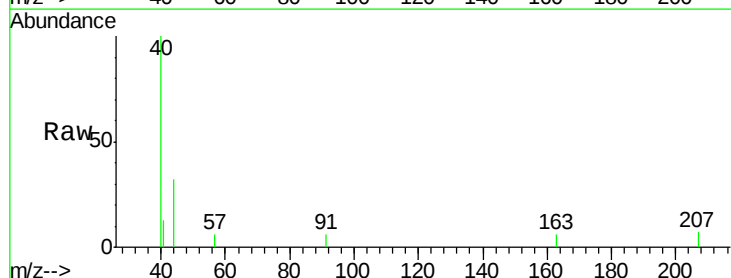
Acq: 09 Jan 2020 16:59

Tgt Ion: 91 Resp: 56

Ion Ratio Lower Upper

91 100

126 0.0 17.8 53.5#



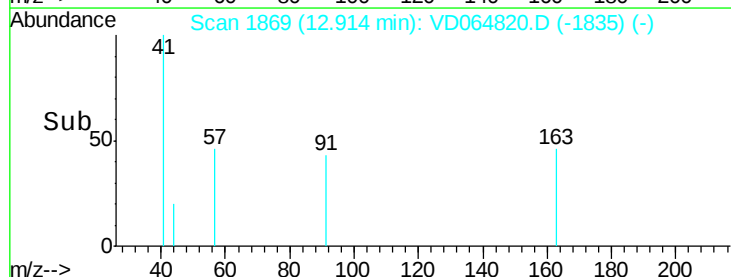
Abundance Ion 91.00 (90.70 to 91.70): VDC

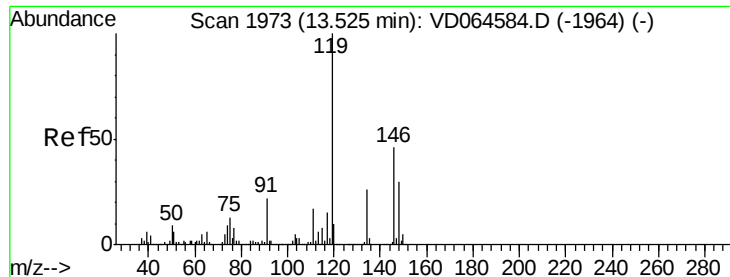
Ion 125.90 (125.60 to 126.60): V

12.91

12.91

Time-->





#87

1,3-Dichlorobenzene

Concen: 27.770 ug/l

RT: 13.64 min Scan# 1992

Delta R.T. 0.11 min

Lab File: VD064820.D

Acq: 09 Jan 2020 16:59

Instrument :

MSVOA_D

ClientSampleId :

SB-3G-(11-13)

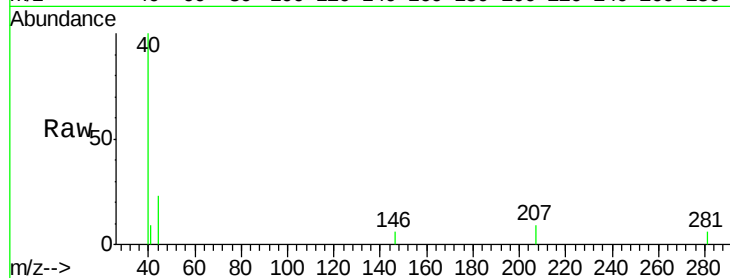
Tot Ion:146 Resp: 66

Ion Ratio Lower Upper

146 100

111 84.8 18.8 56.4#

148 0.0 32.5 97.5#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

250

200

150

100

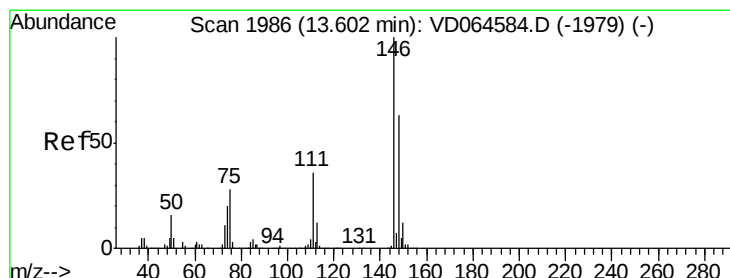
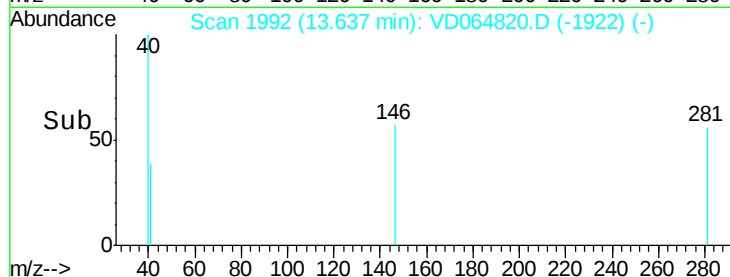
50

0

13.62

13.64

Time-->



#88

1,4-Dichlorobenzene

Concen: 28.269 ug/l

RT: 13.64 min Scan# 1992

Delta R.T. 0.04 min

Lab File: VD064820.D

Acq: 09 Jan 2020 16:59

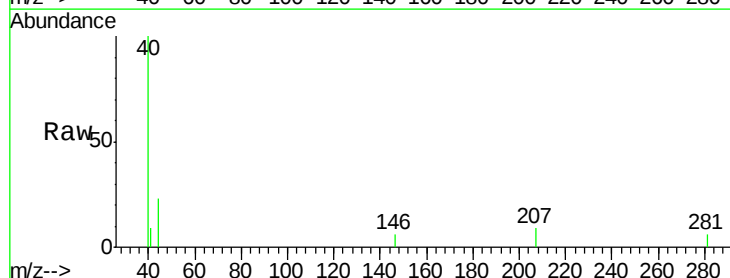
Tgt Ion:146 Resp: 66

Ion Ratio Lower Upper

146 100

111 84.8 18.1 54.1#

148 0.0 32.3 96.9#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

250

200

150

100

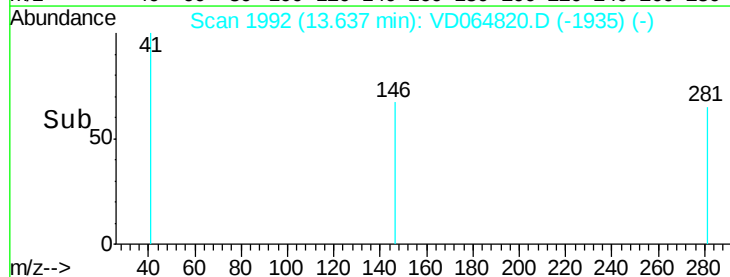
50

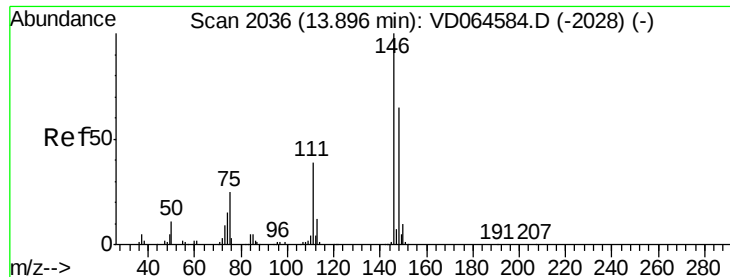
0

13.62

13.64

Time-->

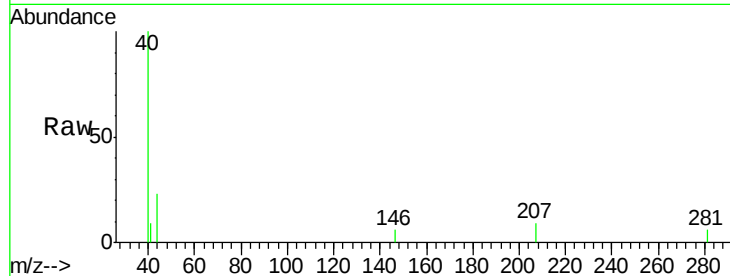




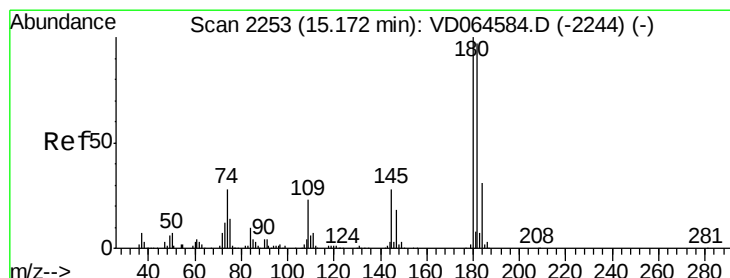
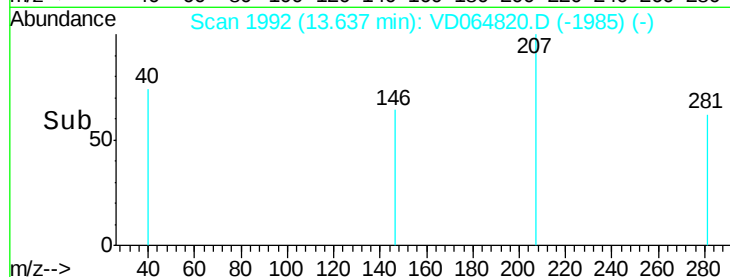
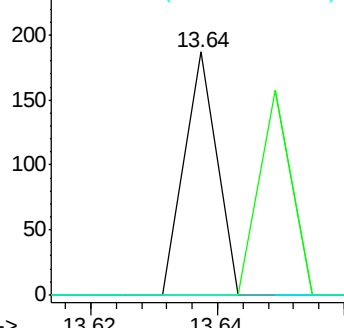
#91
 1,2-Dichlorobenzene
 Concen: 32.567 ug/l
 RT: 13.64 min Scan# 1992
 Delta R.T. -0.26 min
 Lab File: VD064820.D
 Acq: 09 Jan 2020 16:59

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3G-(11-13)

Tot Ion	Ratio	Lower	Upper
146	100		
111	84.8	19.3	57.9#
148	0.0	31.9	95.5#

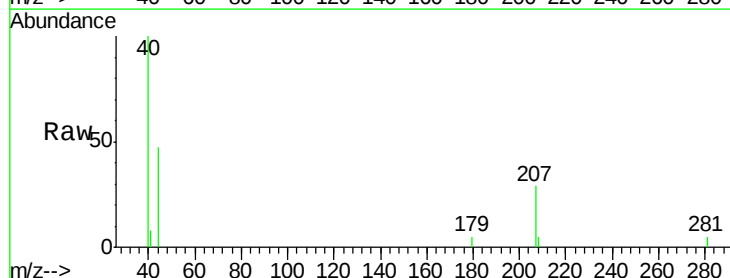


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



#93
 1,2,4-Trichlorobenzene
 Concen: 38.199 ug/l
 RT: 15.29 min Scan# 2273
 Delta R.T. 0.12 min
 Lab File: VD064820.D
 Acq: 09 Jan 2020 16:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.0	144.2#
145	0.0	13.8	41.4#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

