

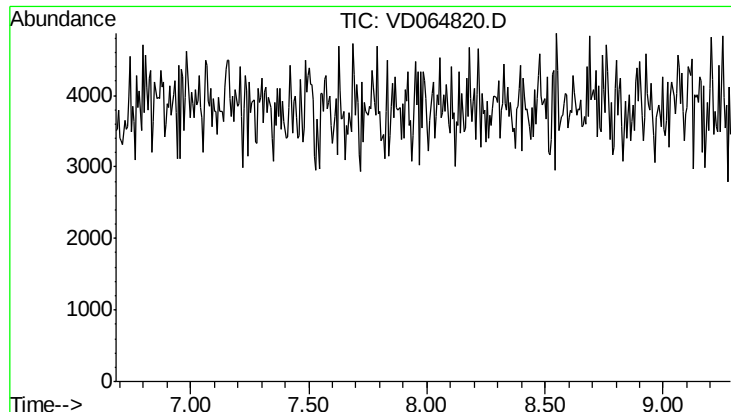
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
 Data File : VD064820.D
 Acq On : 09 Jan 2020 16:59
 Operator : VA/SY
 Sample : L1051-07
 Misc : 7.91G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

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



#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

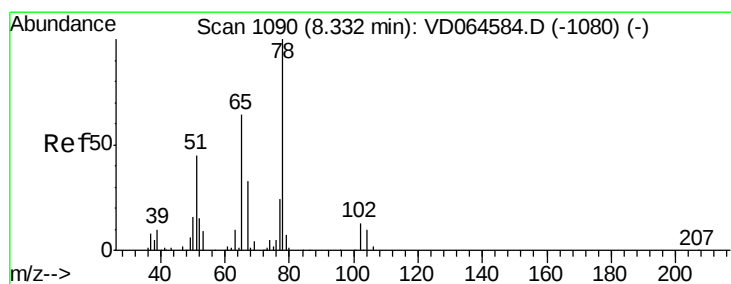
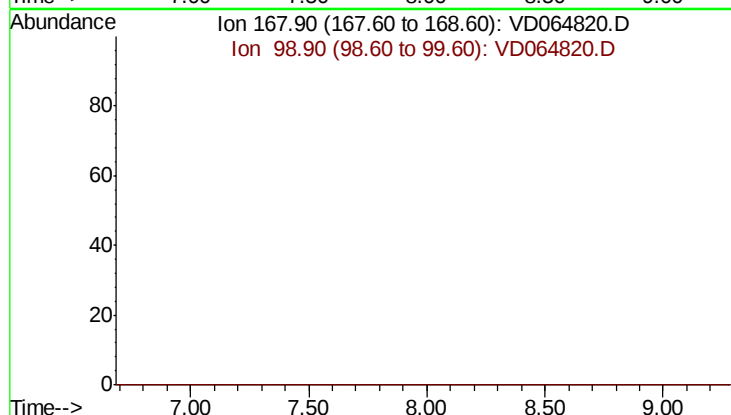
168 100

99 52.2

Instrument :

MSVOA_D

ClientSampleId :



#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

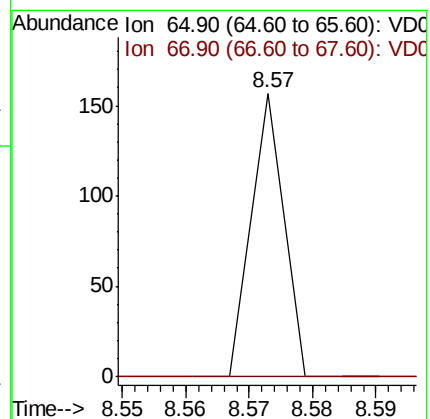
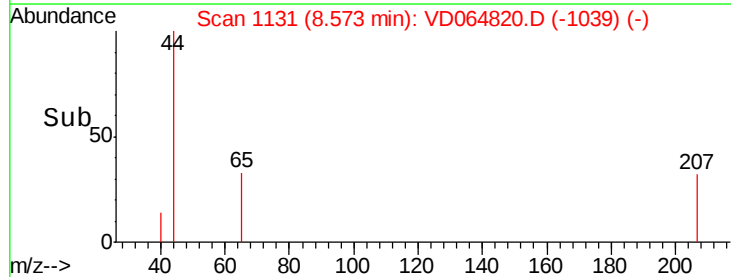
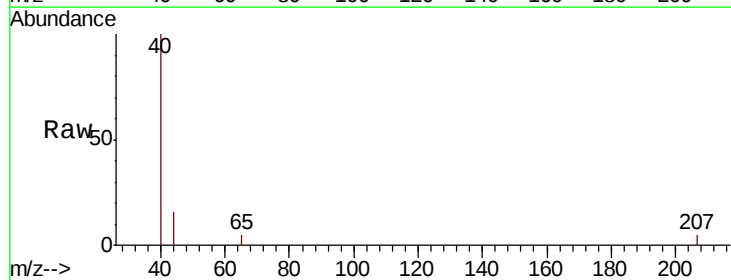
Acq: 09 Jan 2020 16:59

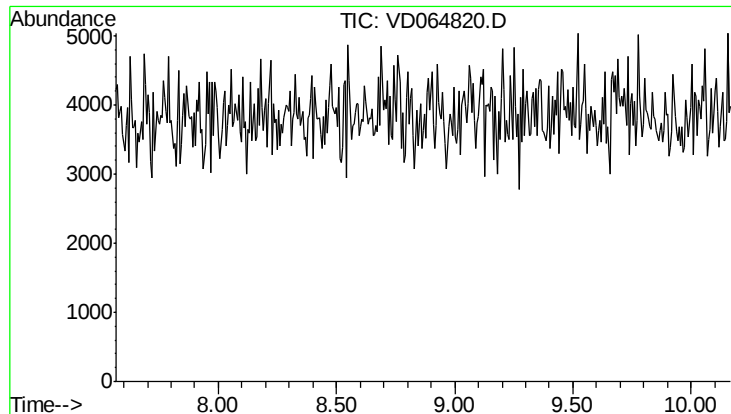
Tgt Ion: 65 Resp: 55

Ion Ratio Lower Upper

65 100

67 0.0 0.0 106.2

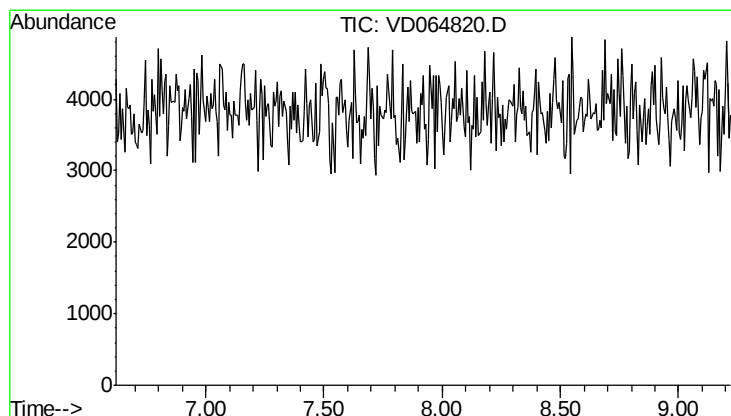
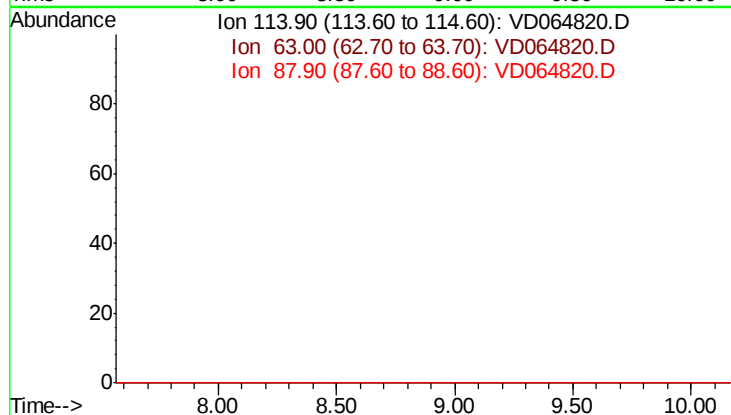




#34
 1,4-Difluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 8.87 min
 Lab File: VD064820.D
 Acq: 09 Jan 2020 16:59

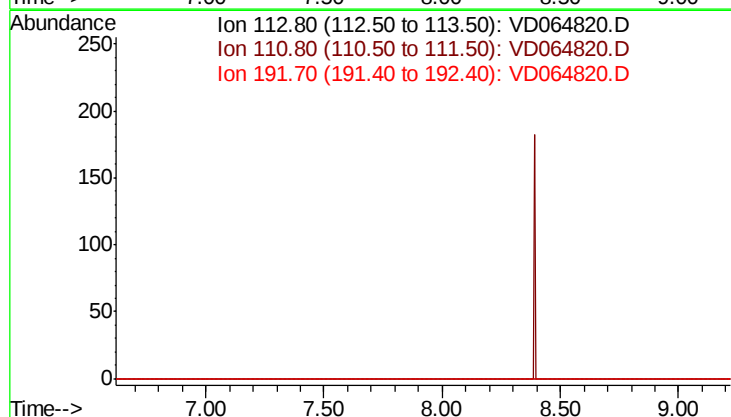
Instrument :
 MSVOA_D
 ClientSampleId :

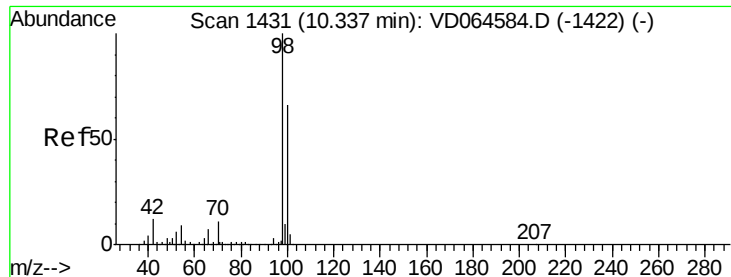
Tot Ion	114
Sig	Exp Ratio
114	100
63	19.0
88	14.6



#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





#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

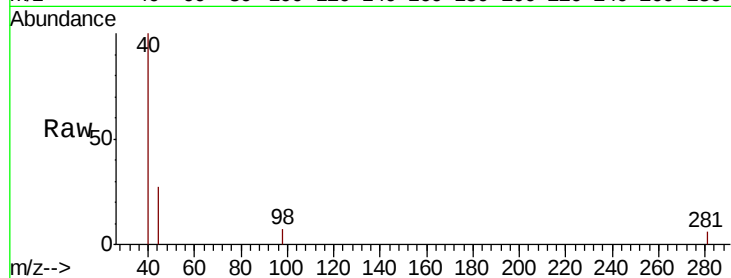
ClientSampleId :

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): VD064584.D (-1422) (-)

Ion 100.00 (99.70 to 100.70): VD064584.D (-1422) (-)

10.34

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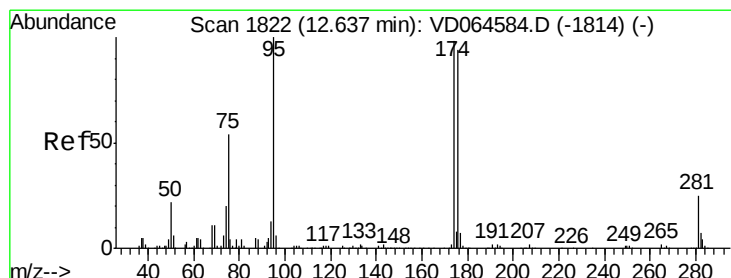
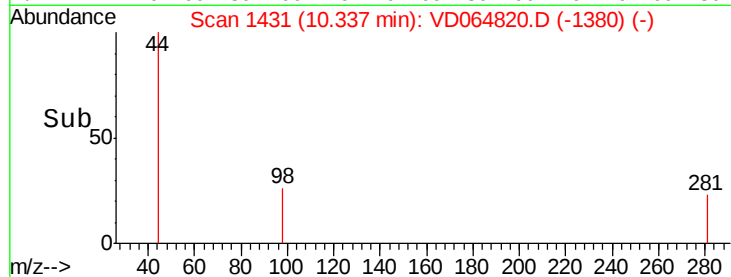
10.34

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10.34

10.34

10.34



#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

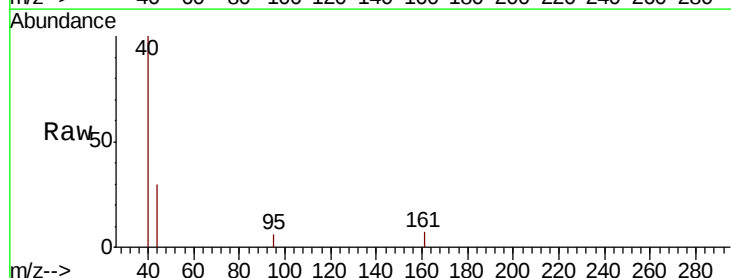
Tgt Ion: 95 Resp: 60

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): VD064584.D (-1814) (-)

Ion 173.80 (173.50 to 174.50): VD064584.D (-1814) (-)

Ion 175.80 (175.50 to 176.50): VD064584.D (-1814) (-)

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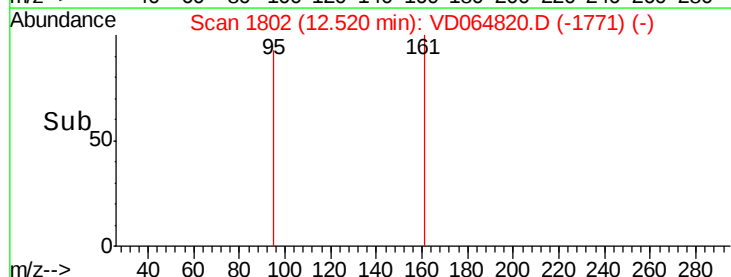
12.52

12.52

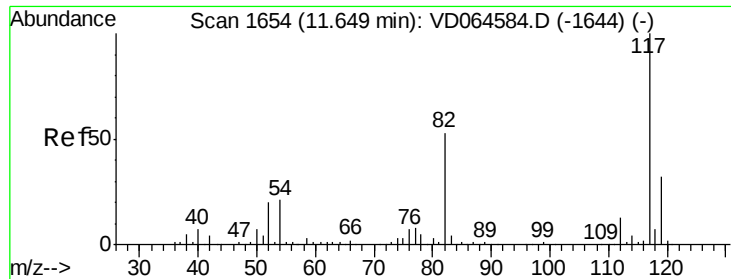
12.52

12.52

12.52



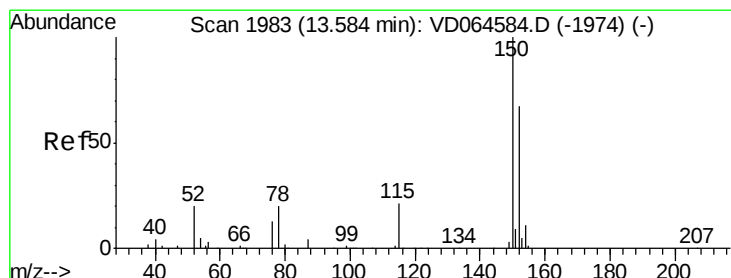
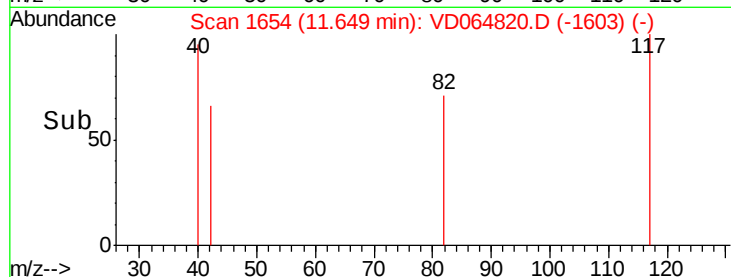
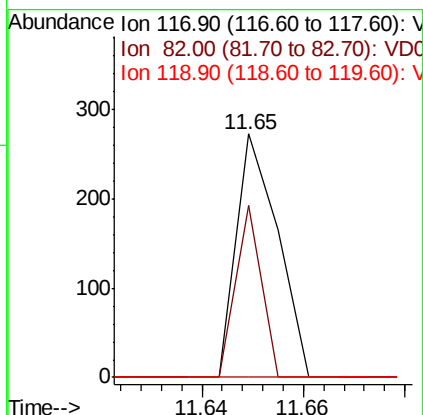
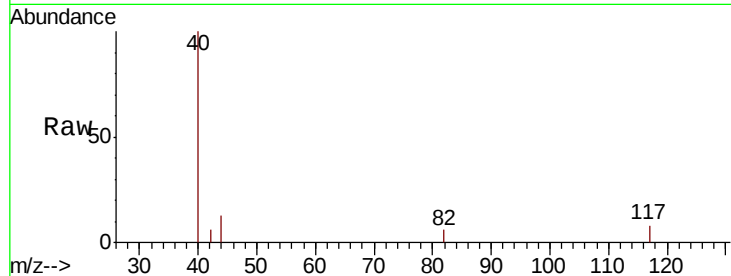
Time-->



#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

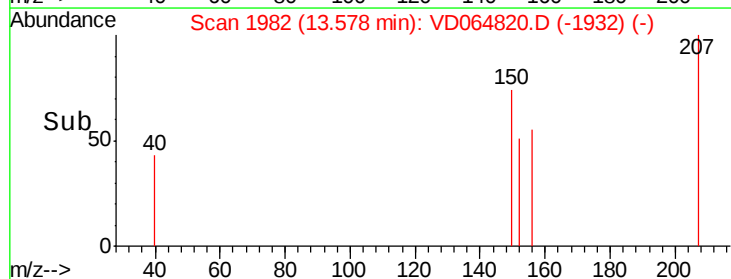
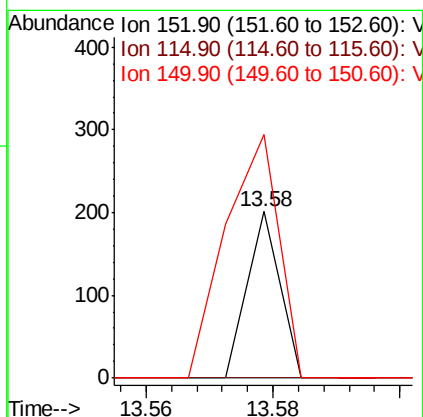
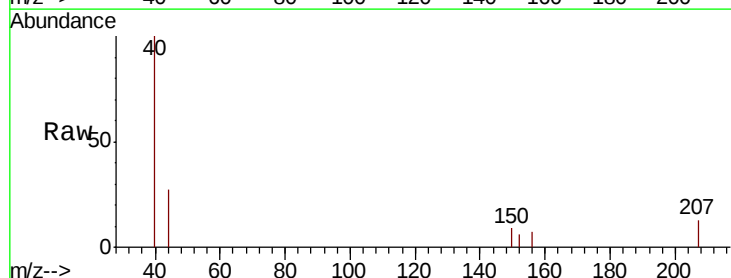
Instrument :
MSVOA_D
ClientSampleId :

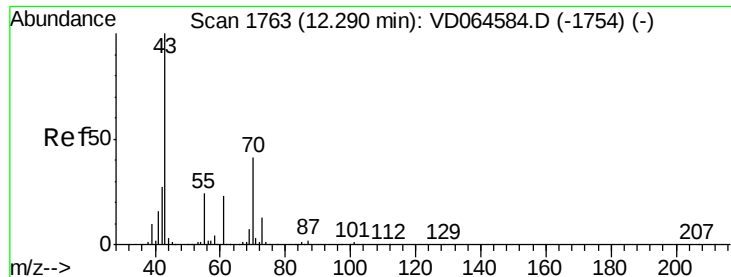
Tot Ion:117 Resp: 155
Ion Ratio Lower Upper
117 100
82 70.7 42.2 63.4#
119 0.0 26.0 39.0#



#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





#74

N-amvl 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 :

Tot Ion: 43 Resp: 90

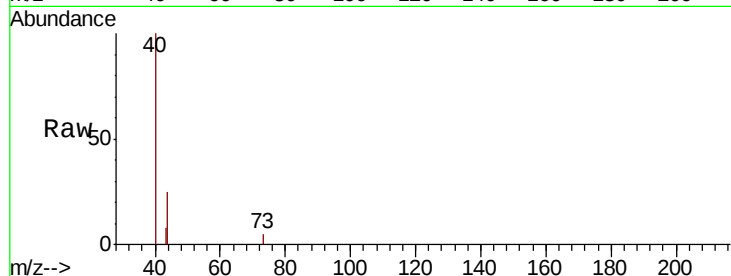
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.0#

55 90.0 19.4 29.0#

61 0.0 18.3 27.5#

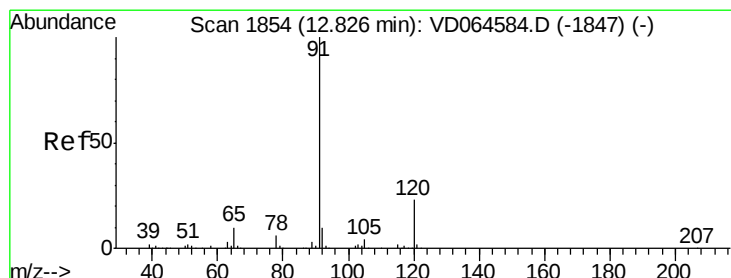
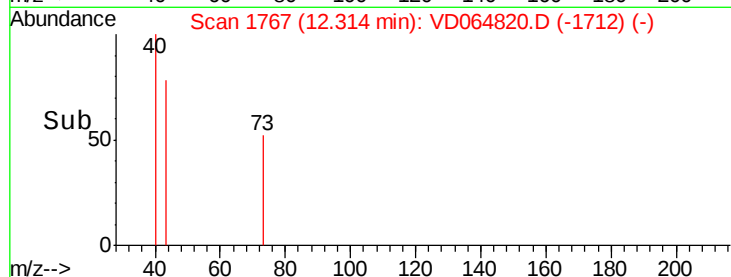
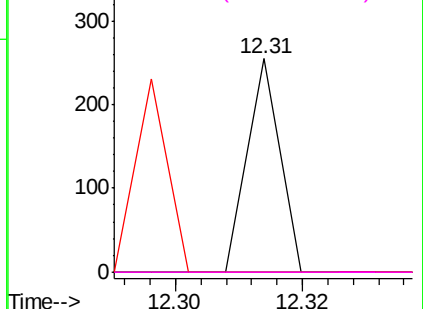


Abundance Ion 43.00 (42.70 to 43.70): VDC

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

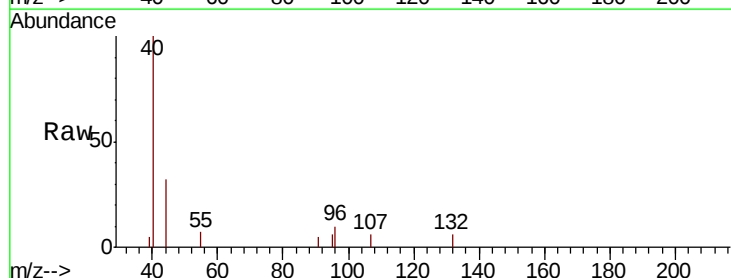
Acq: 09 Jan 2020 16:59

Tgt Ion: 91 Resp: 54

Ion Ratio Lower Upper

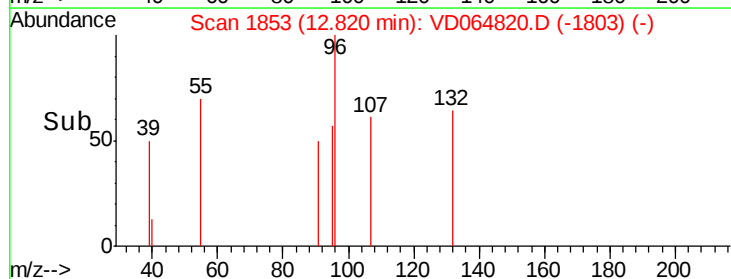
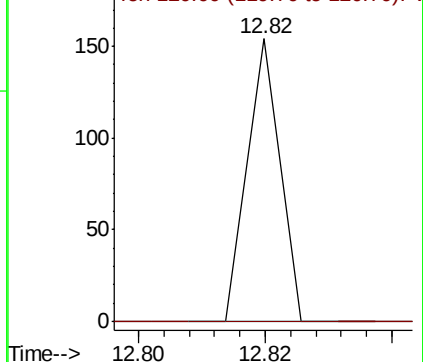
91 100

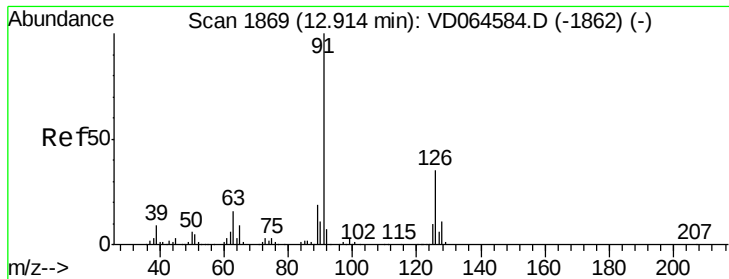
120 0.0 11.9 35.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): VDC

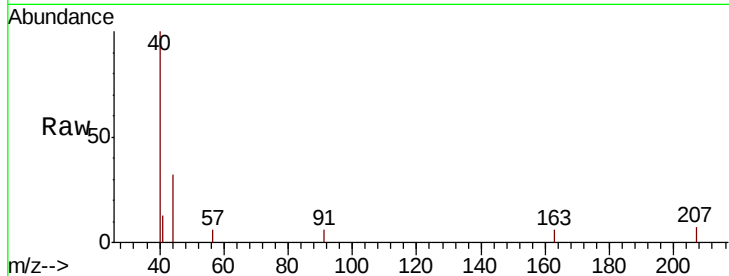




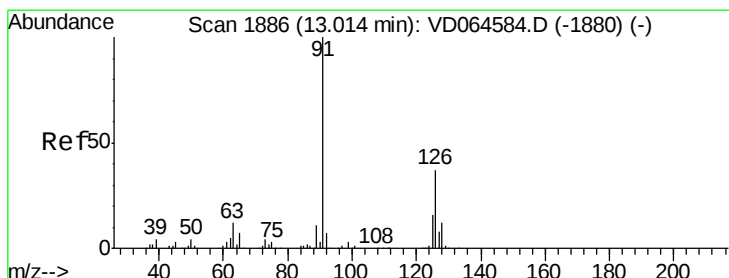
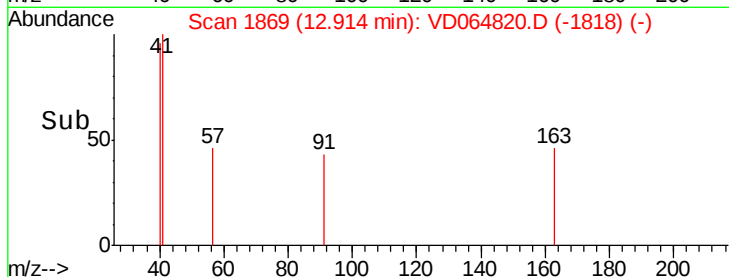
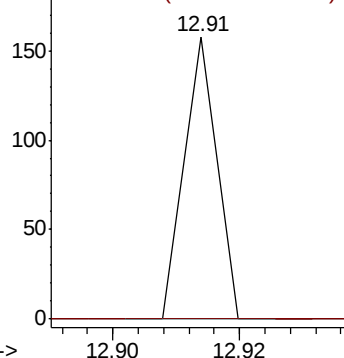
#79
2-Chlorotoluene
Concen: 17.222 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064820.D
Acq: 09 Jan 2020 16:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 56
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.5#

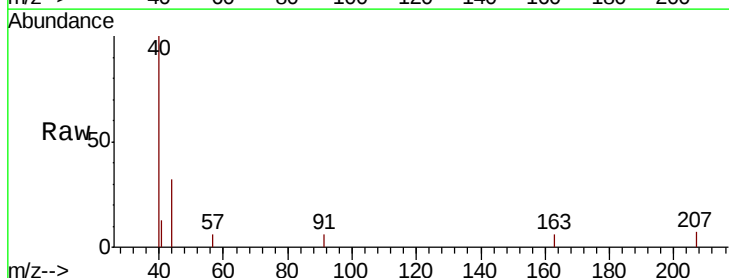


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

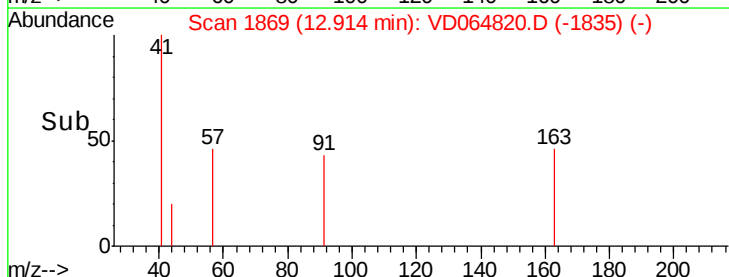
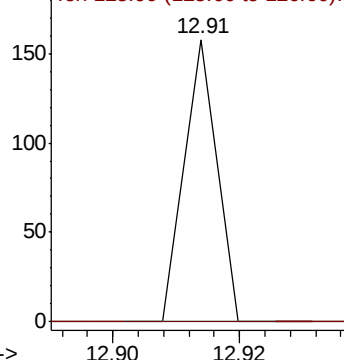


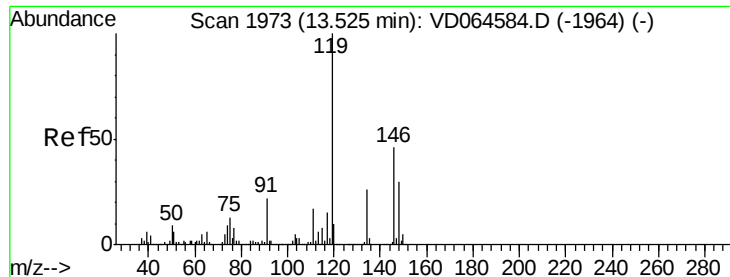
#82
4-Chlorotoluene
Concen: 16.183 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.10 min
Lab File: VD064820.D
Acq: 09 Jan 2020 16:59

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





#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

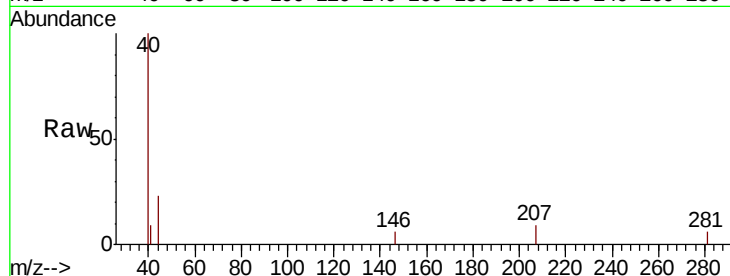
Instrument :

MSVOA_D

ClientSampled :

Tot Ion:146 Resp: 66

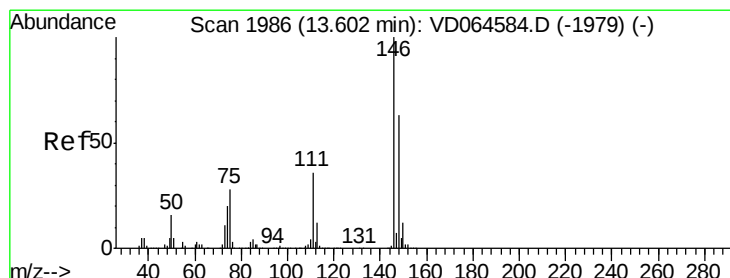
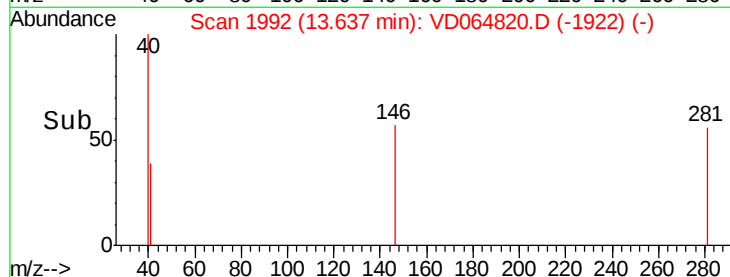
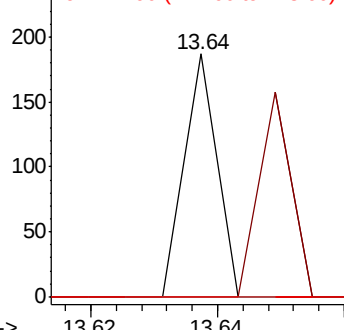
Ion	Ratio	Lower	Upper
146	100		
111	84.8	18.8	56.4#
148	0.0	32.5	97.5#



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



#88

1,4-Dichlorobenzene

Concen: 28.269 ug/l

RT: 13.64 min Scan# 1992

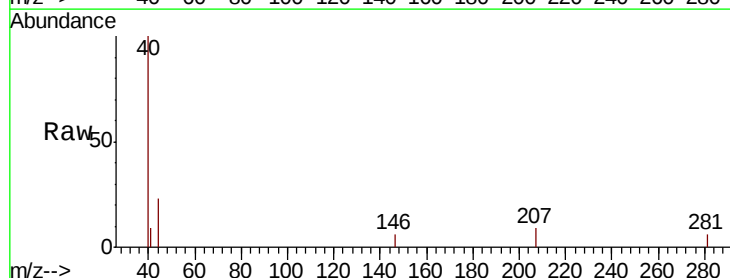
Delta R.T. 0.04 min

Lab File: VD064820.D

Acq: 09 Jan 2020 16:59

Tgt Ion:146 Resp: 66

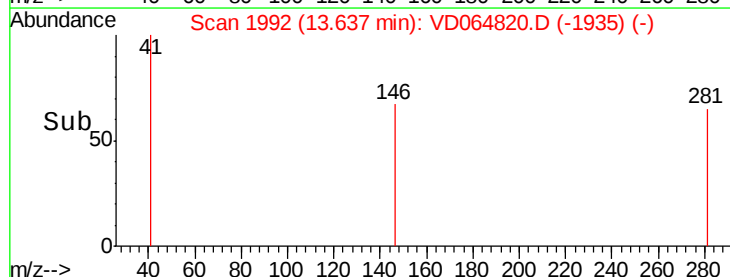
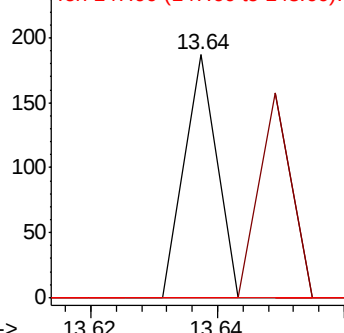
Ion	Ratio	Lower	Upper
146	100		
111	84.8	18.1	54.1#
148	0.0	32.3	96.9#

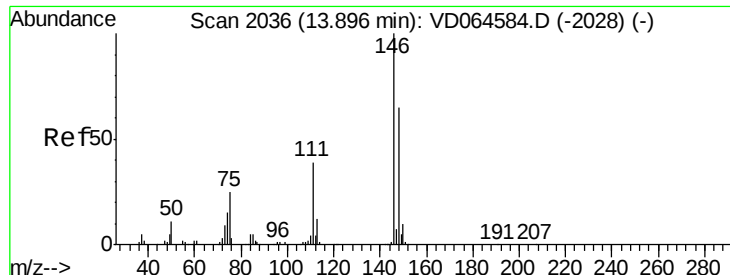


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#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 :

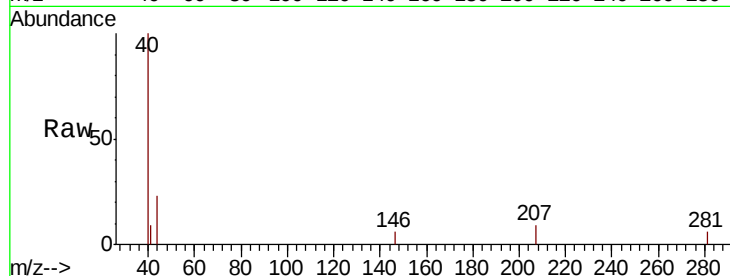
Tot Ion:146 Resp: 66

Ion Ratio Lower Upper

146 100

111 84.8 19.3 57.9#

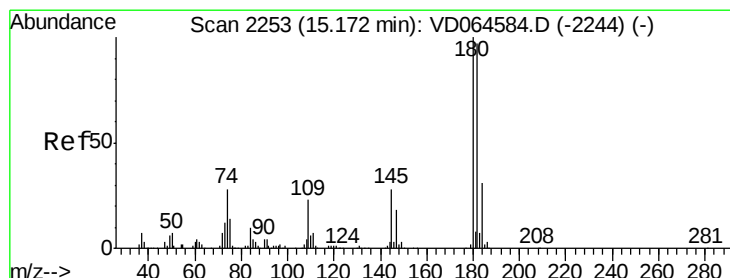
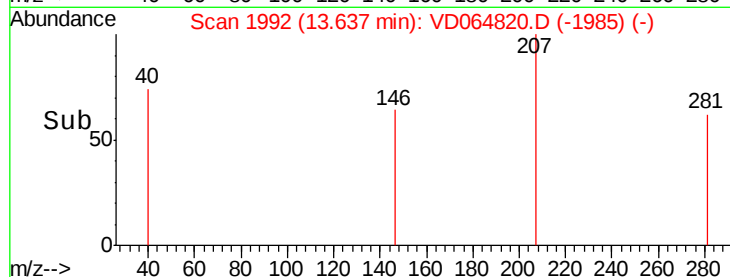
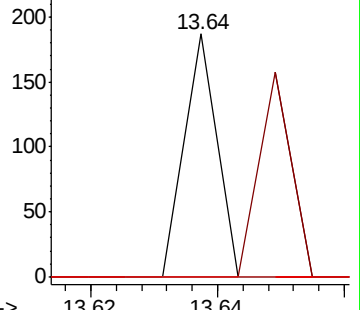
148 0.0 31.9 95.5#



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

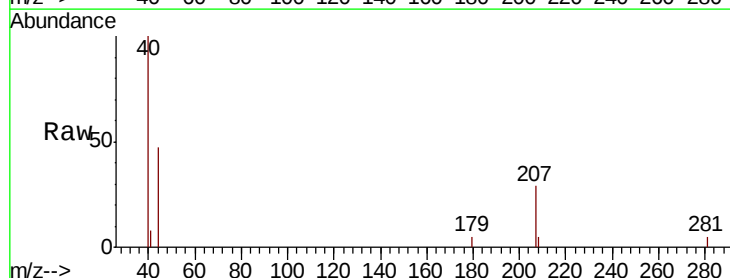
Tgt Ion:180 Resp: 57

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

