

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD123019\
 Data File : VD064681.D
 Acq On : 30 Dec 2019 17:04
 Operator : VA/SY
 Sample : K6441-03RE
 Misc : 5.78G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 K321-SB-03RE

Quant Time: Dec 31 07:10:15 2019
 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	7.98	168	36404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	55540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	52498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	26939	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	24187	75.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	150.70%	
35) Dibromofluoromethane	7.92	113	21245	62.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.70%	
50) Toluene-d8	10.34	98	62901	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
62) 4-Bromofluorobenzene	12.64	95	22315	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	

Target Compounds

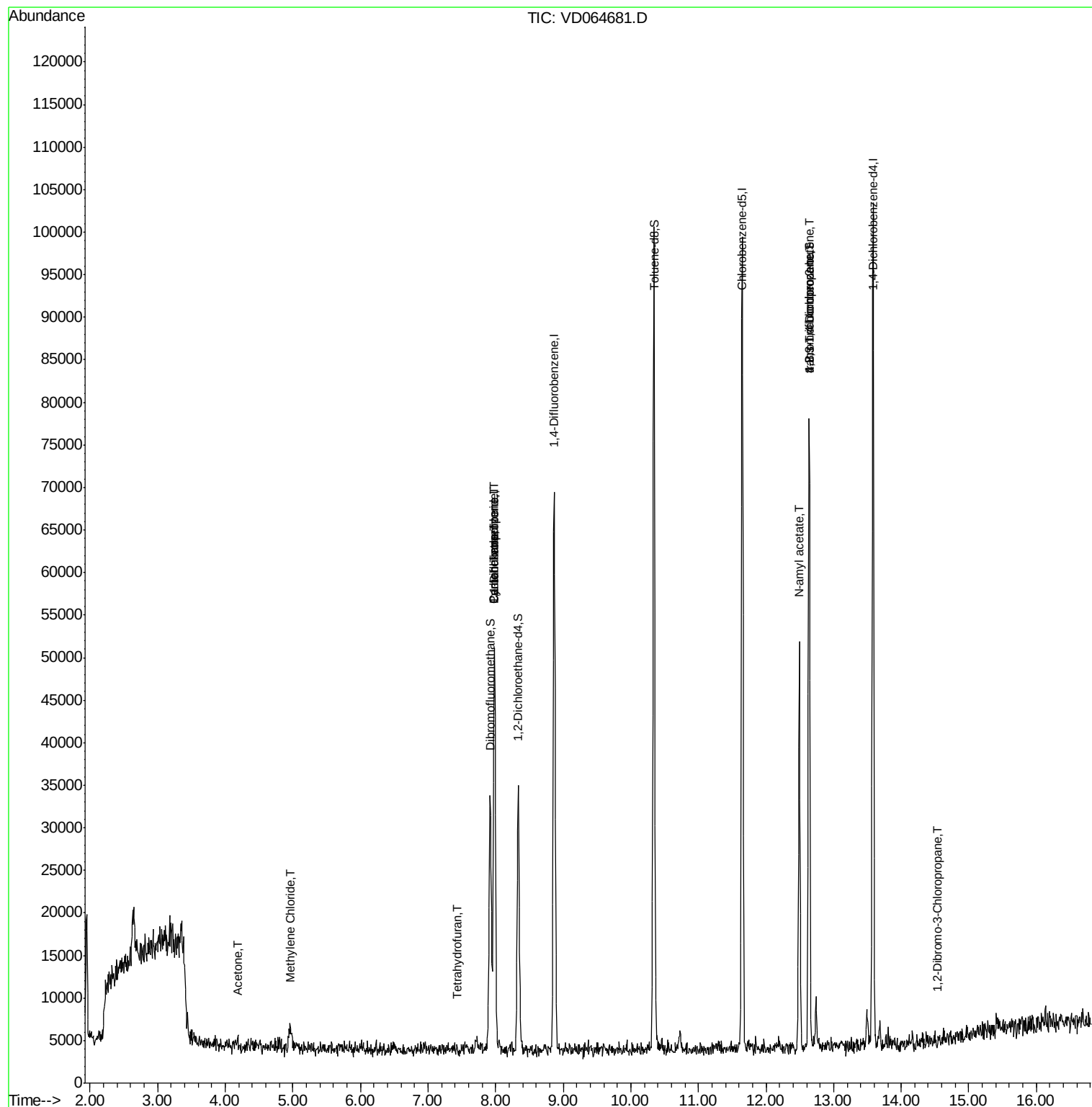
					Qvalue	
16) Acetone	4.17	43	1727	26.835	ug/l	92
20) Methylene Chloride	4.97	84	1995	1.318	ug/l #	66
29) Tetrahydrofuran	7.43	42	122	2.223	ug/l #	33
31) Cyclohexane	7.98	56	949	1.586	ug/l #	96
36) 1,1-Dichloropropene	7.98	75	2839	5.311	ug/l #	44
38) Carbon Tetrachloride	7.98	117	3209	5.630	ug/l #	19
74) N-amyl acetate	12.49	43	983	2.389	ug/l #	9
76) 1,2,3-Trichloropropane	12.64	75	12111	56.932	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	12111	119.072	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.55	75	65	1.326	ug/l #	1

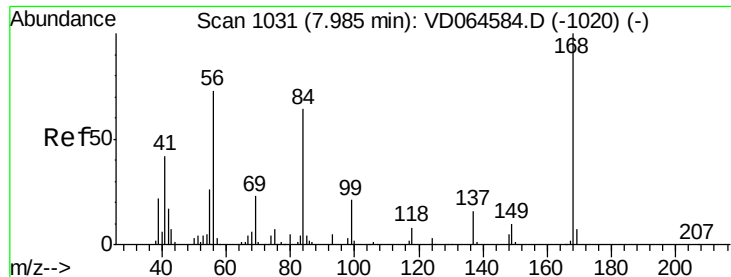
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064681.D

Acq: 30 Dec 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

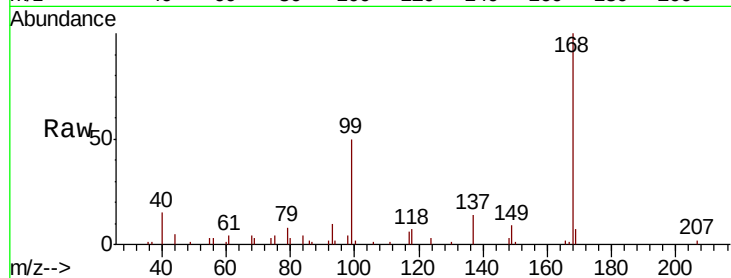
K321-SB-03RE

Tot Ion:168 Resp: 36404

Ion Ratio Lower Upper

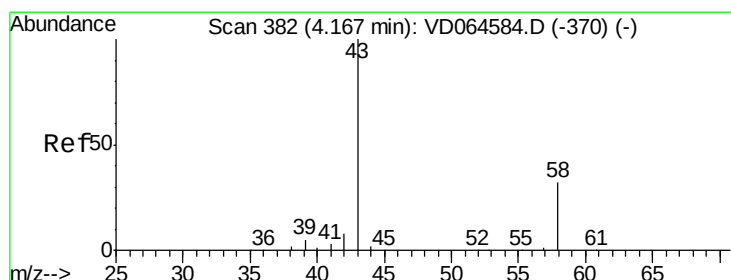
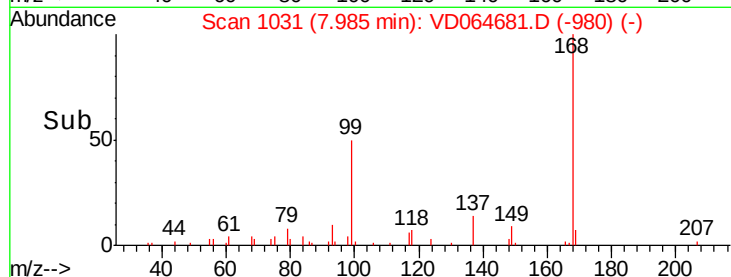
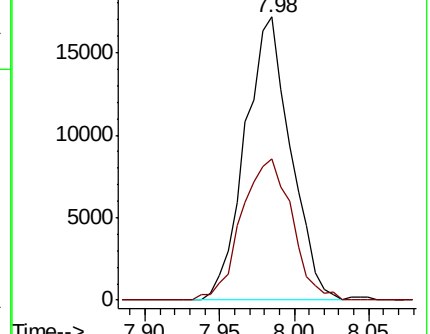
168 100

99 50.0 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 26.835 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064681.D

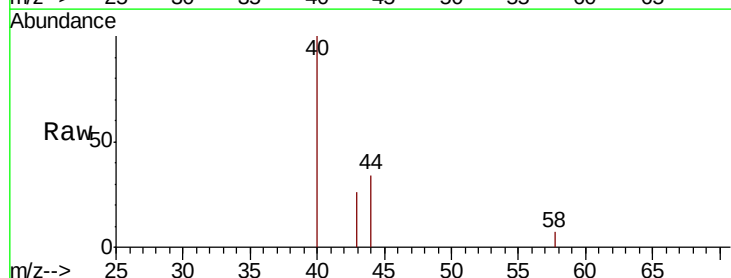
Acq: 30 Dec 2019 17:04

Tgt Ion: 43 Resp: 1727

Ion Ratio Lower Upper

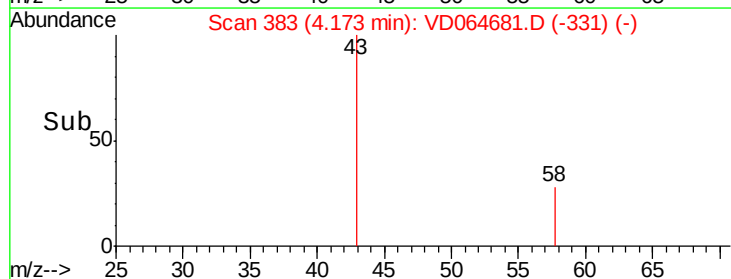
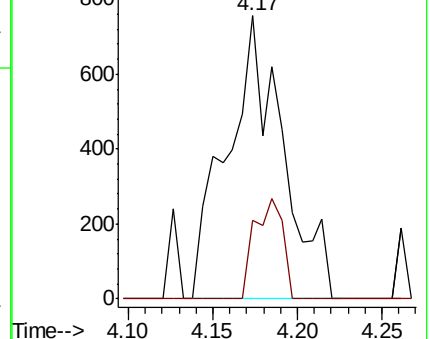
43 100

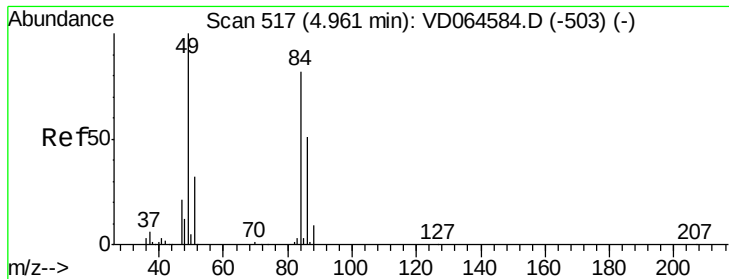
58 27.6 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#20

Methylene Chloride

Concen: 1.318 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD064681.D

Acq: 30 Dec 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

K321-SB-03RE

Tot Ion: 84 Resp: 1995

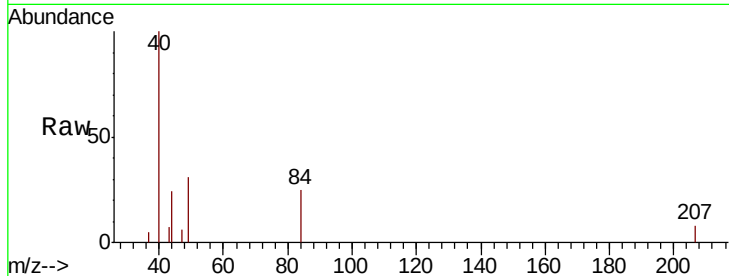
Ion Ratio Lower Upper

84 100

49 122.2 97.2 145.8

51 0.0 31.4 47.0#

86 0.0 49.3 73.9#



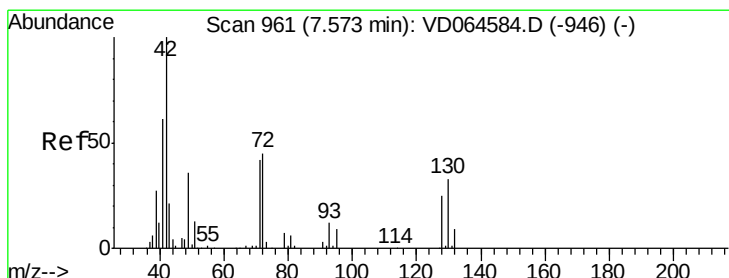
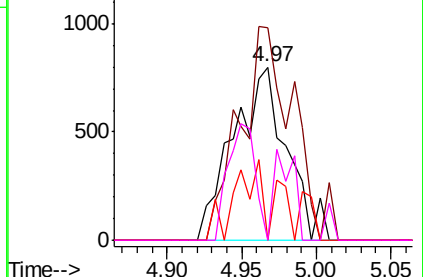
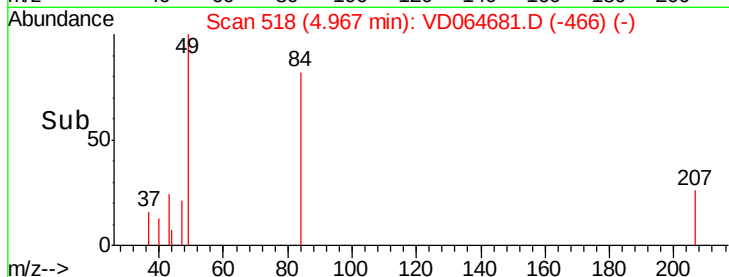
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

Time-->



#29

Tetrahydrofuran

Concen: 2.223 ug/l

RT: 7.43 min Scan# 937

Delta R.T. -0.14 min

Lab File: VD064681.D

Acq: 30 Dec 2019 17:04

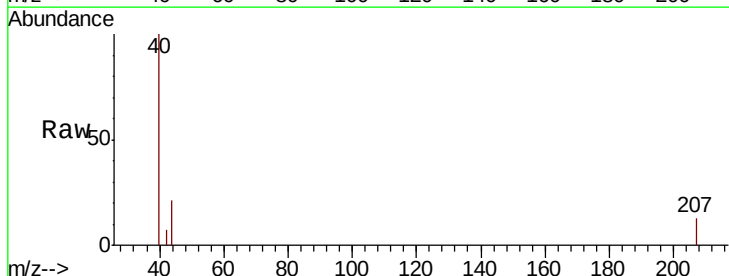
Tgt Ion: 42 Resp: 122

Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.4#

71 0.0 32.9 49.3#

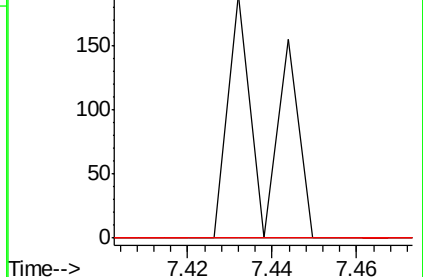
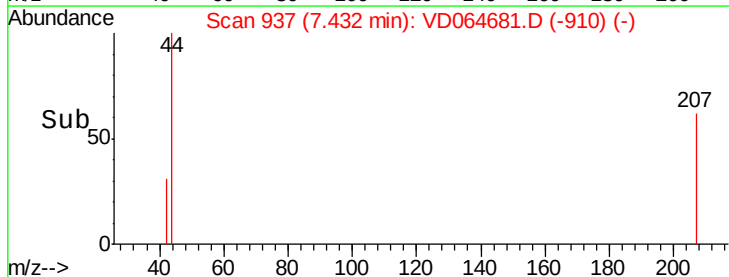


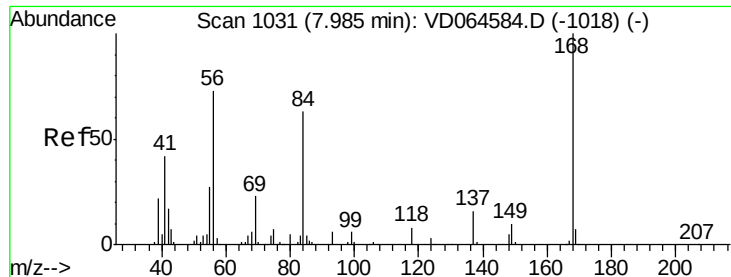
Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

Time-->

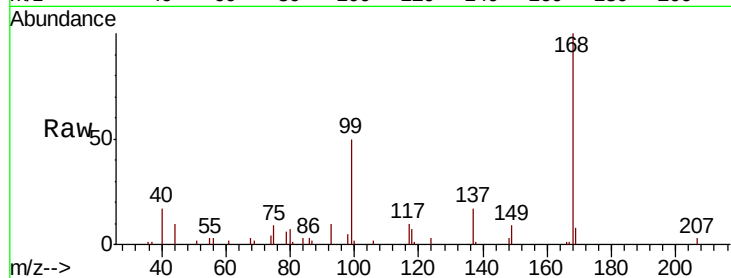




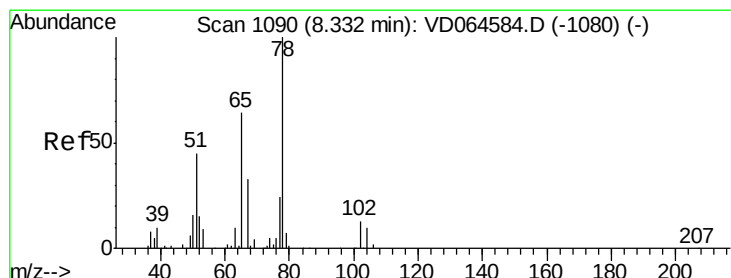
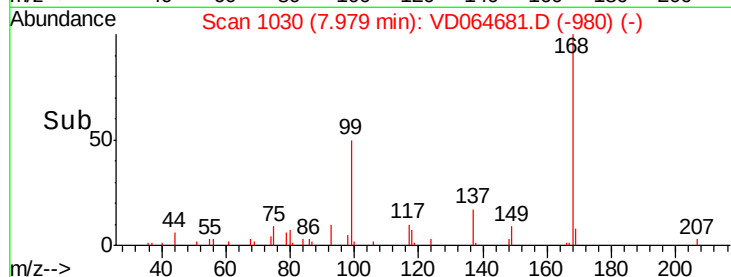
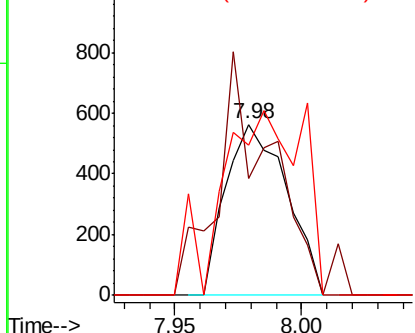
#31
Cyclohexane
Concen: 1.586 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064681.D
Acq: 30 Dec 2019 17:04

Instrument :
MSVOA_D
ClientSampleId :
K321-SB-03RE

Tot Ion: 56 Resp: 949
Ion Ratio Lower Upper
56 100
69 38.3 24.7 37.1#
84 87.4 69.4 104.2

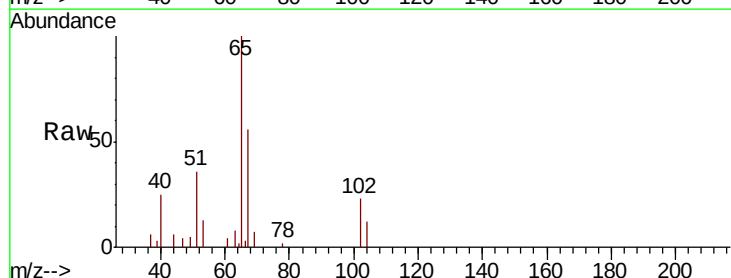


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

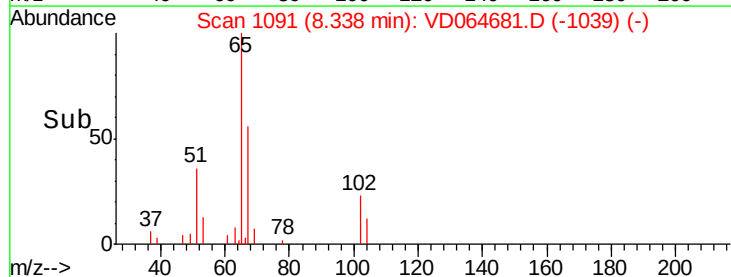
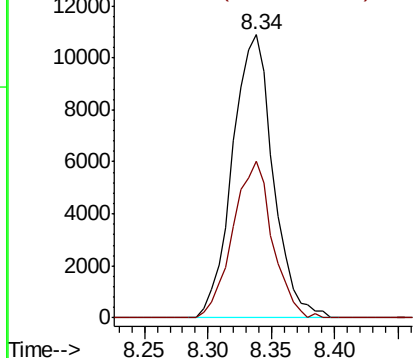


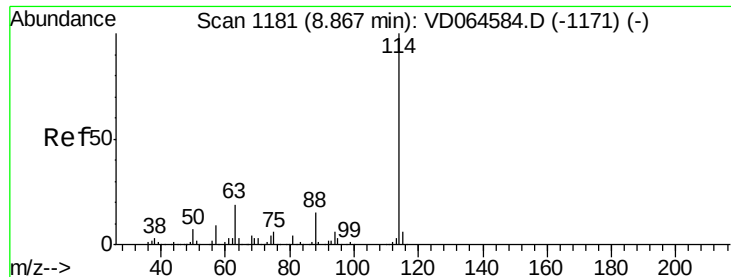
#33
1,2-Dichloroethane-d4
Concen: 75.347 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD064681.D
Acq: 30 Dec 2019 17:04

Tgt Ion: 65 Resp: 24187
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064681.D

Acq: 30 Dec 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

K321-SB-03RE

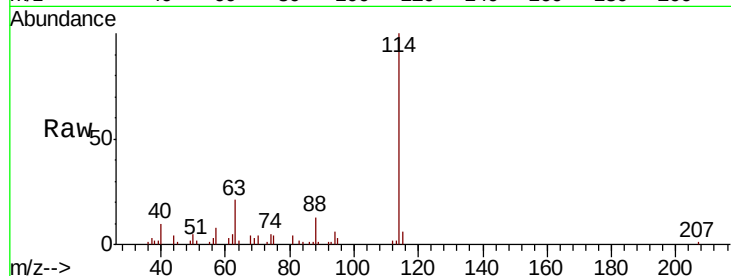
Tot Ion:114 Resp: 55540

Ion Ratio Lower Upper

114 100

63 21.4 0.0 38.0

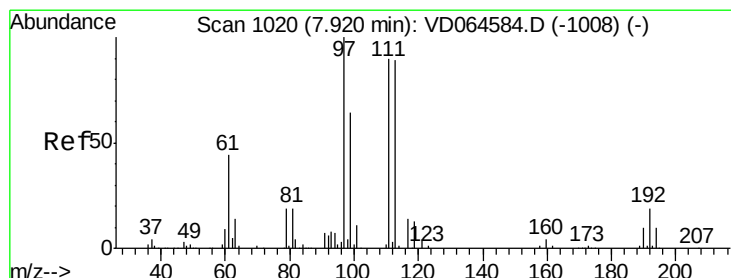
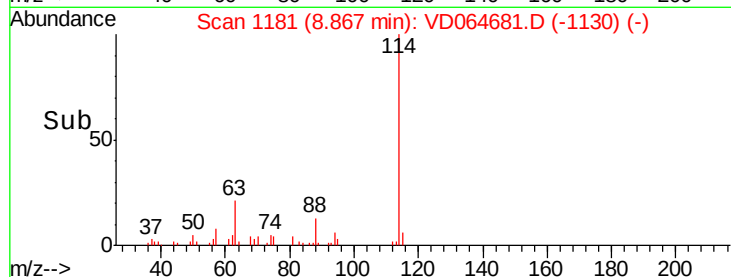
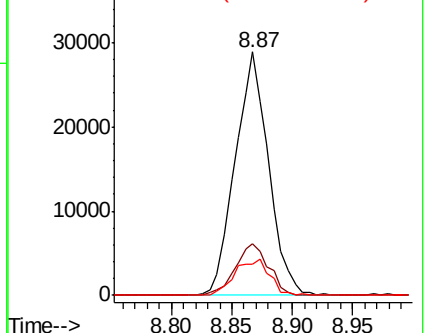
88 12.7 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 62.348 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064681.D

Acq: 30 Dec 2019 17:04

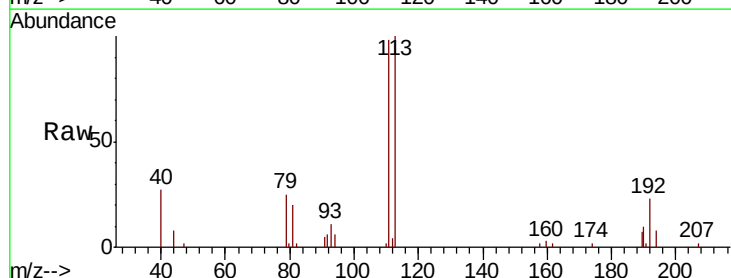
Tgt Ion:113 Resp: 21245

Ion Ratio Lower Upper

113 100

111 98.9 80.6 121.0

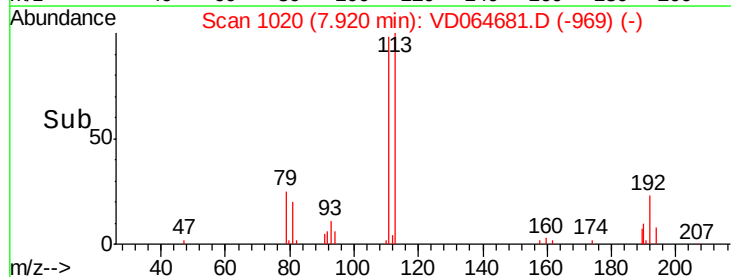
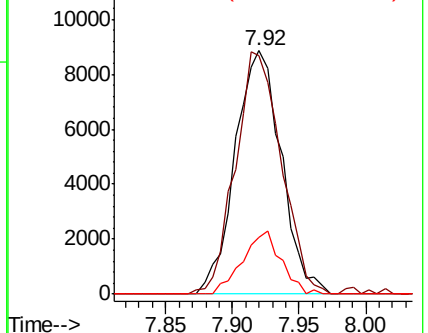
192 21.5 17.9 26.9

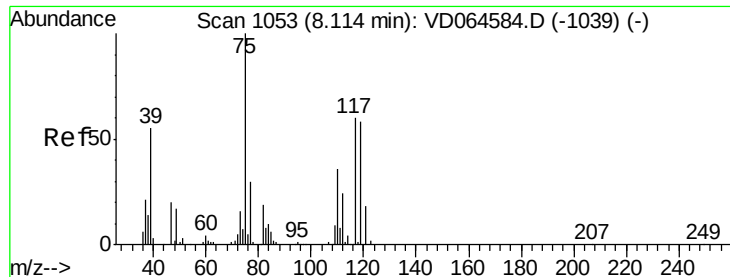


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.311 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD064681.D

Acq: 30 Dec 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

K321-SB-03RE

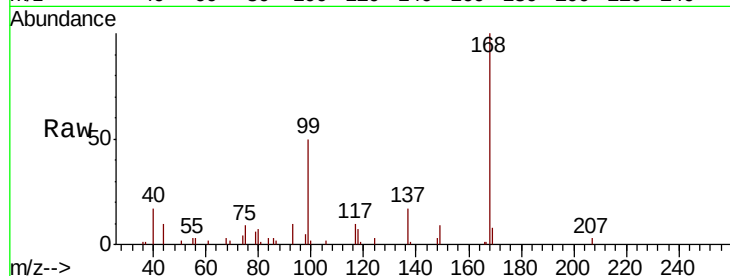
Tot Ion: 75 Resp: 2839

Ion Ratio Lower Upper

75 100

110 3.0 18.1 54.1#

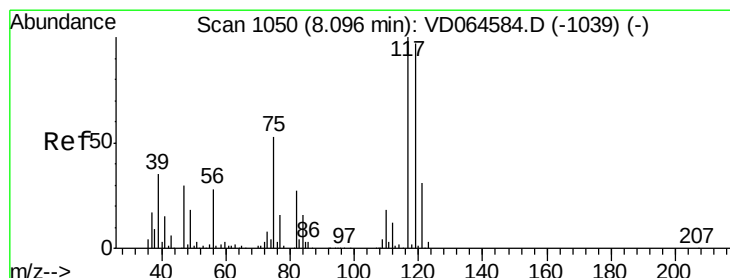
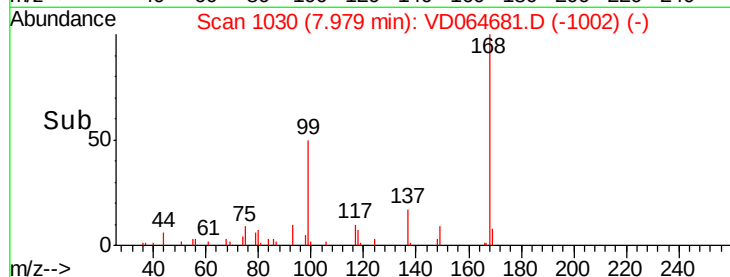
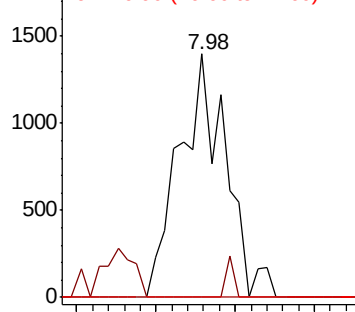
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



#38

Carbon Tetrachloride

Concen: 5.630 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064681.D

Acq: 30 Dec 2019 17:04

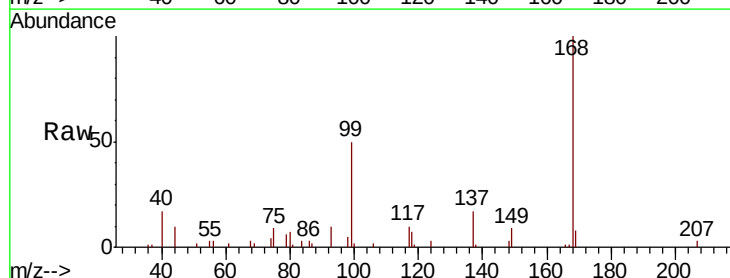
Tgt Ion: 117 Resp: 3209

Ion Ratio Lower Upper

117 100

119 10.0 77.3 115.9#

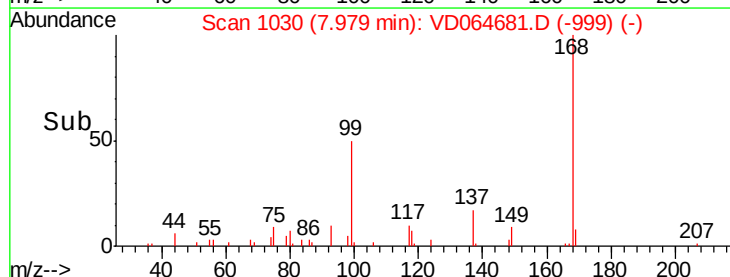
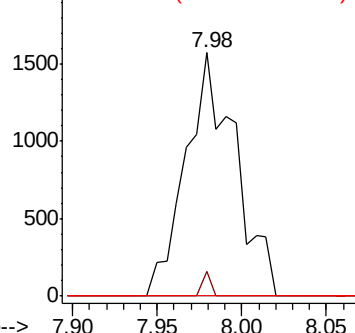
121 0.0 25.0 37.6#

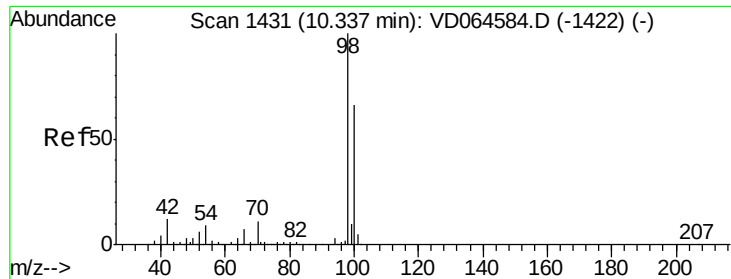


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 48.199 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064681.D

Acq: 30 Dec 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

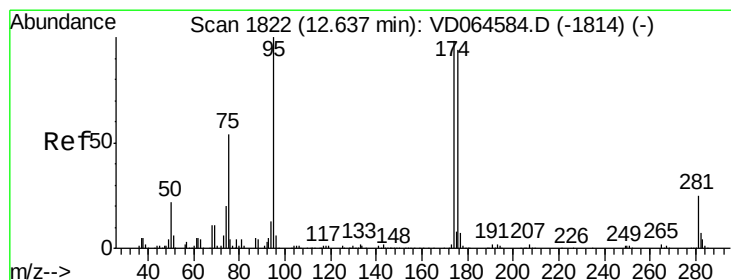
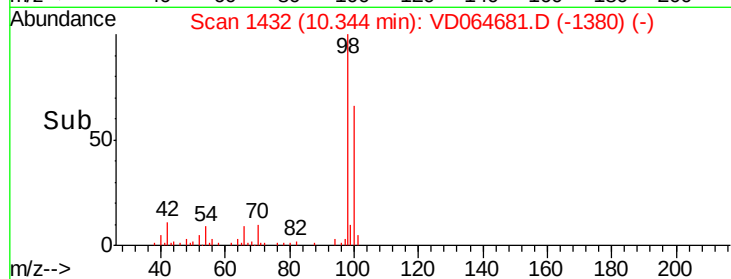
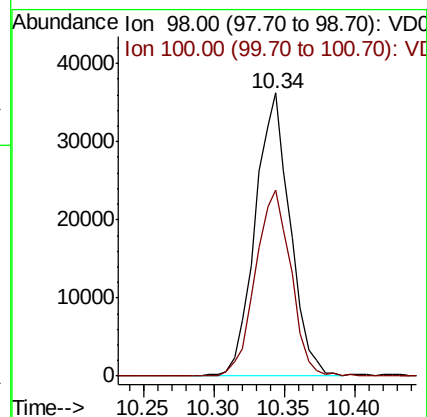
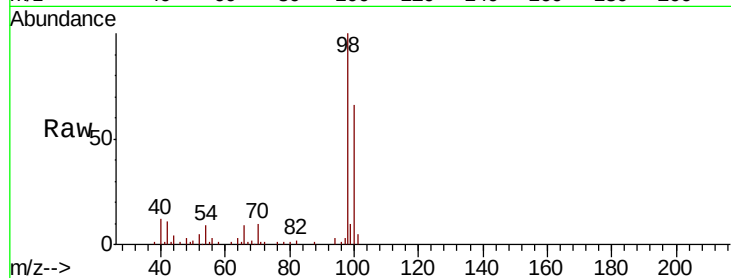
K321-SB-03RE

Tot Ion: 98 Resp: 62901

Ion Ratio Lower Upper

98 100

100 66.8 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 54.076 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064681.D

Acq: 30 Dec 2019 17:04

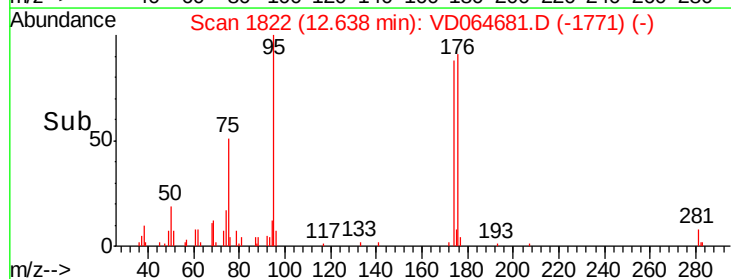
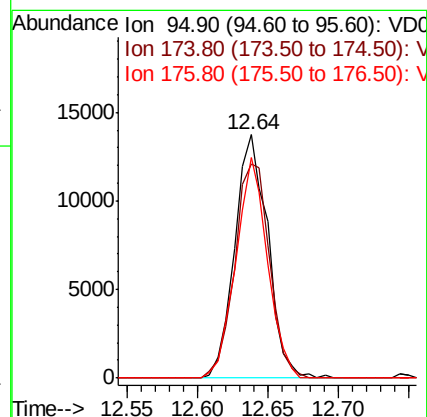
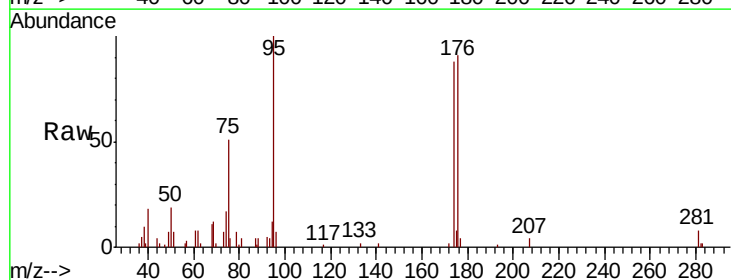
Tgt Ion: 95 Resp: 22315

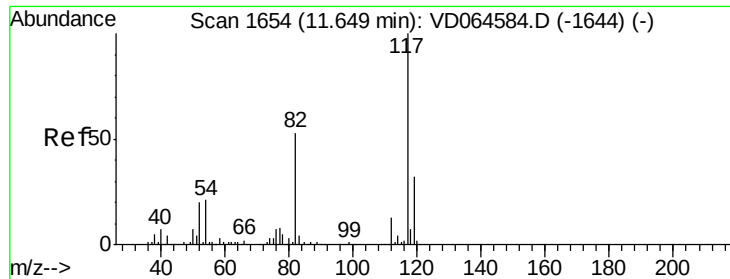
Ion Ratio Lower Upper

95 100

174 93.4 0.0 193.2

176 87.0 0.0 184.2

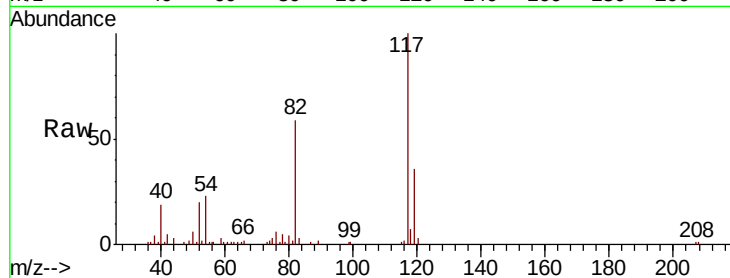




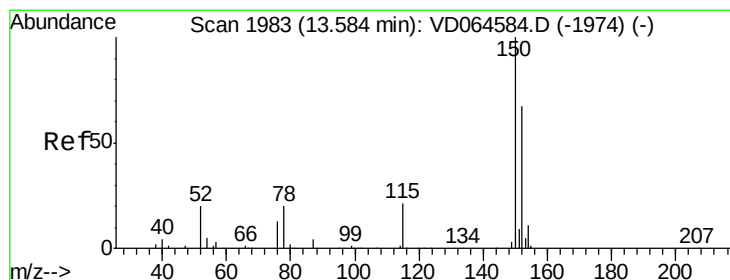
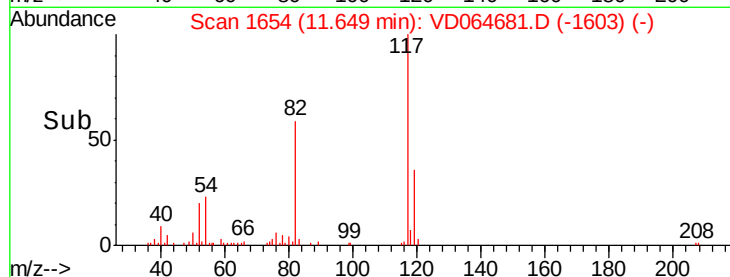
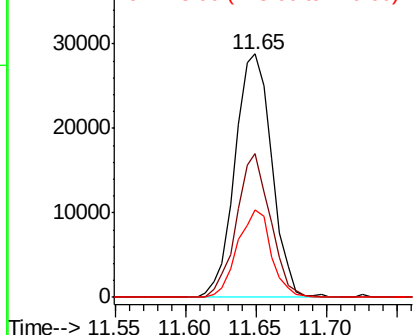
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064681.D
Acq: 30 Dec 2019 17:04

Instrument :
MSVOA_D
ClientSampleId :
K321-SB-03RE

Tot Ion:117 Resp: 52498
Ion Ratio Lower Upper
117 100
82 59.3 42.2 63.4
119 35.8 26.0 39.0

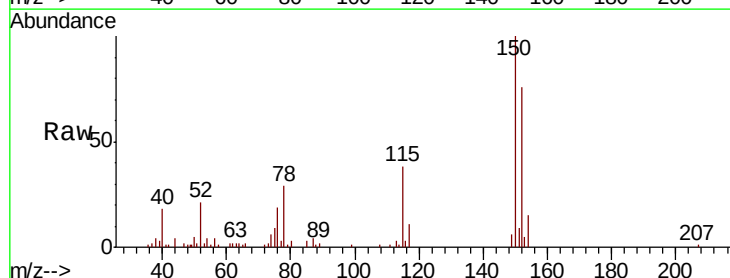


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

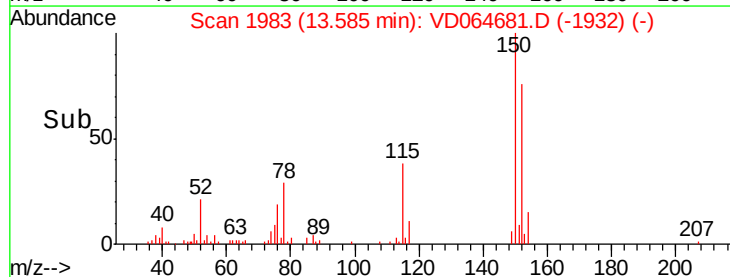
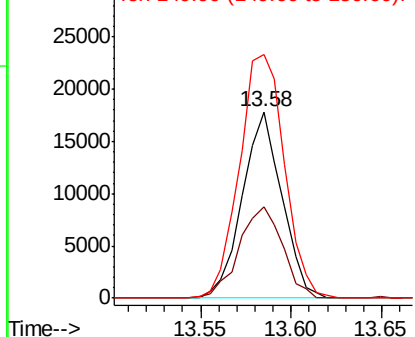


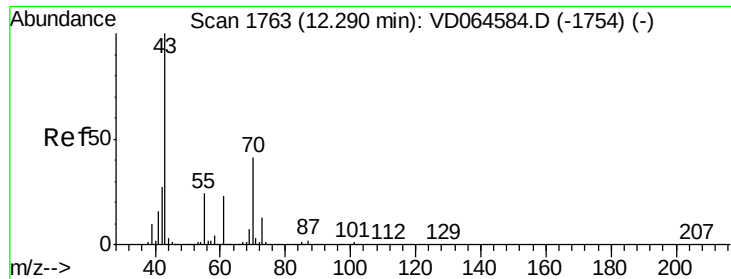
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064681.D
Acq: 30 Dec 2019 17:04

Tgt Ion:152 Resp: 26939
Ion Ratio Lower Upper
152 100
115 53.8 27.8 83.4
150 149.2 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-amvl acetate

Concen: 2.389 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.20 min

Lab File: VD064681.D

Acq: 30 Dec 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

K321-SB-03RE

Tot Ion: 43 Resp: 983

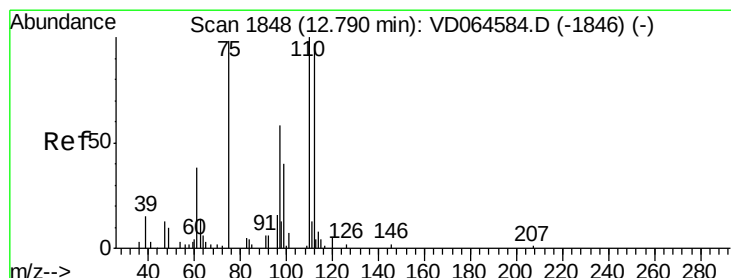
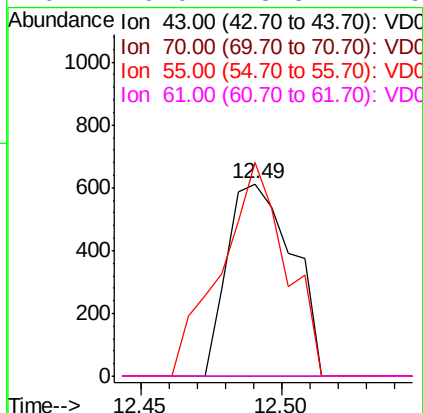
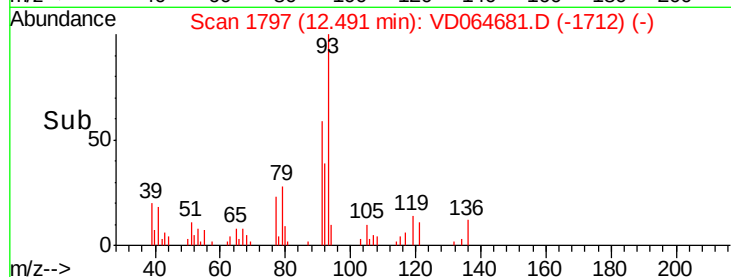
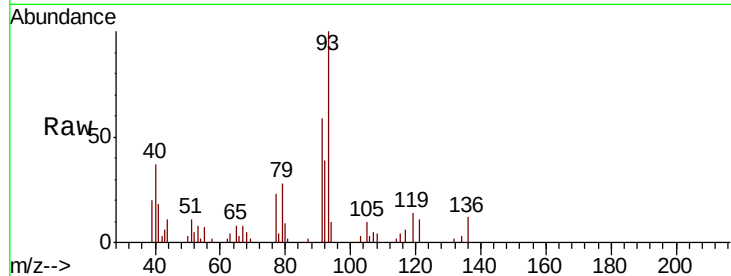
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.0#

55 111.0 19.4 29.0#

61 0.0 18.3 27.5#



#76

1,2,3-Trichloropropane

Concen: 56.932 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064681.D

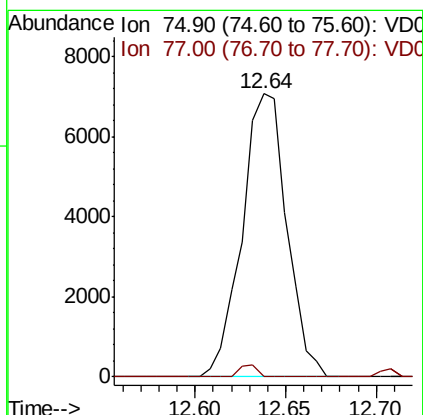
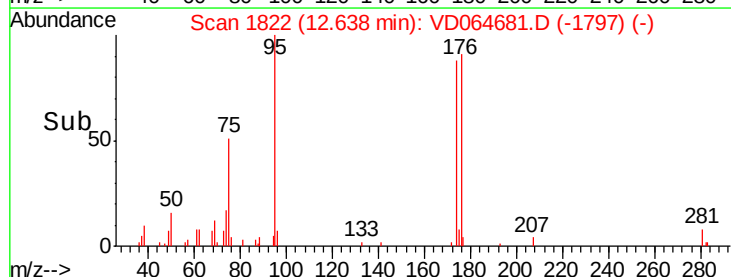
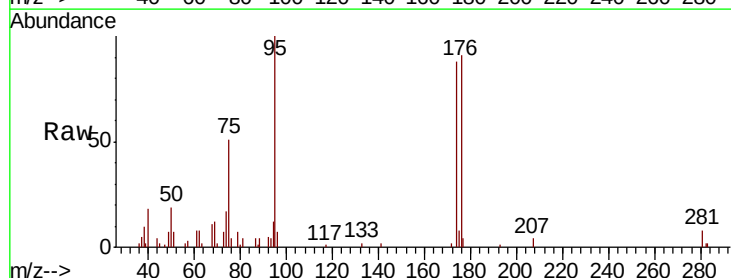
Acq: 30 Dec 2019 17:04

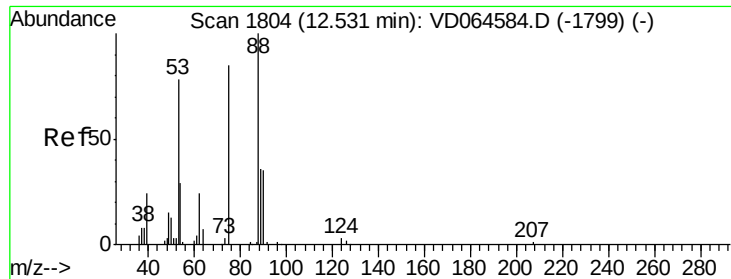
Tgt Ion: 75 Resp: 12111

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 119.072 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064681.D

Acq: 30 Dec 2019 17:04

Instrument :

MSVOA_D

ClientSampleId :

K321-SB-03RE

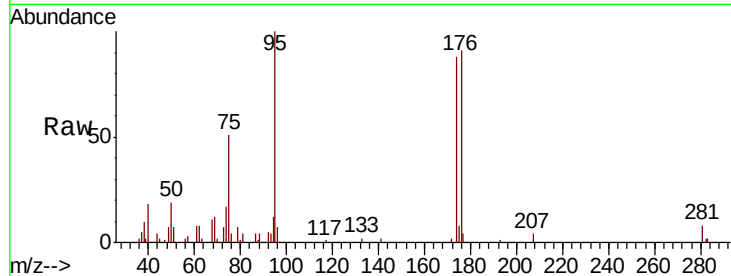
Tot Ion: 75 Resp: 12111

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

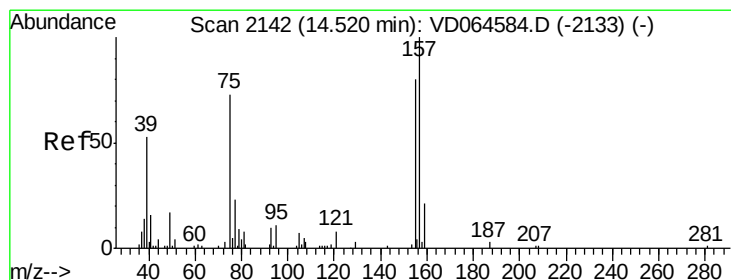
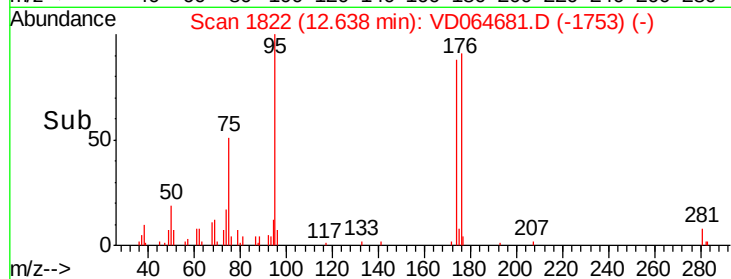
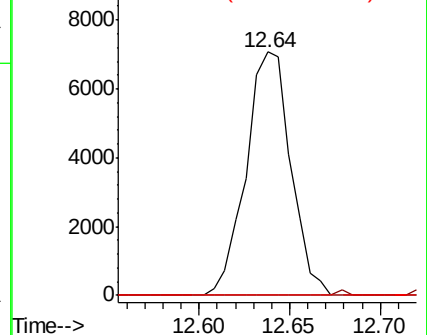
89 0.0 38.3 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.326 ug/l

RT: 14.55 min Scan# 2147

Delta R.T. 0.03 min

Lab File: VD064681.D

Acq: 30 Dec 2019 17:04

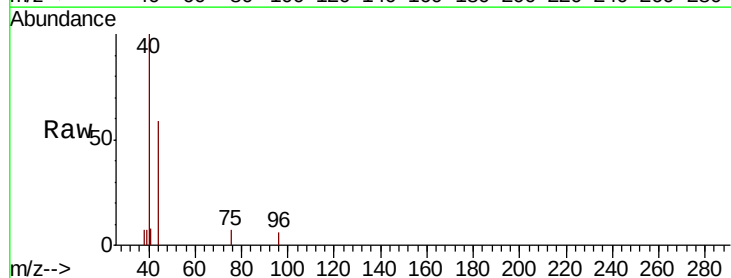
Tgt Ion: 75 Resp: 65

Ion Ratio Lower Upper

75 100

155 0.0 48.0 144.0#

157 0.0 64.1 192.3#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

