

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051619\
 Data File : VD062414.D
 Acq On : 16 May 2019 13:40
 Operator : FY/SY
 Sample : K2837-01RE
 Misc : 5.74g/5mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-COMP

Quant Time: May 17 02:28:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

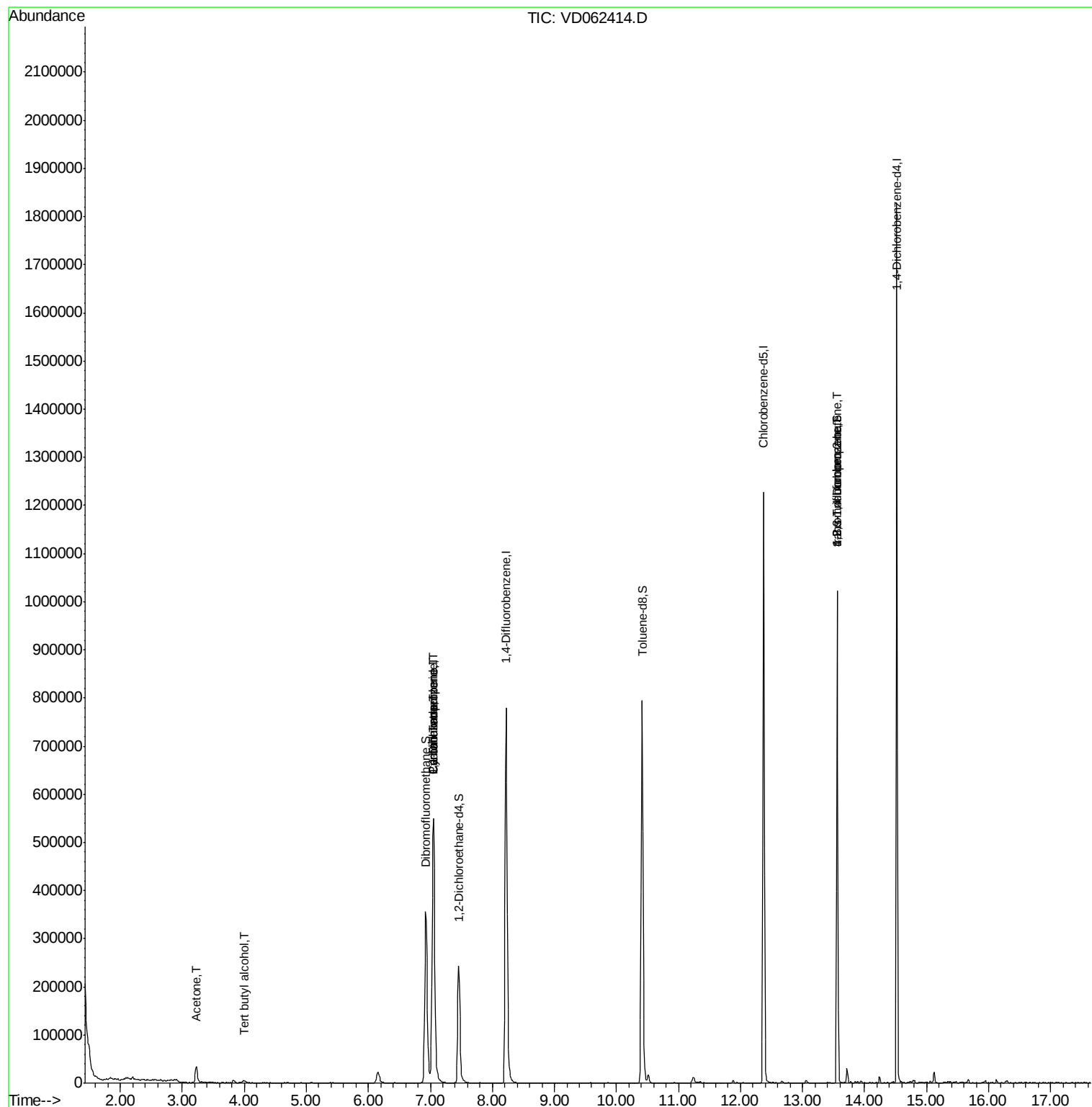
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	551780	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	838180	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	715855	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	369322	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	258384	50.39	ug/l	0.03
Spiked Amount 50.000			Recovery	=	100.78%	
35) Dibromofluoromethane	6.92	113	321523	46.23	ug/l	0.03
Spiked Amount 50.000			Recovery	=	92.46%	
50) Toluene-d8	10.42	98	654159	39.01	ug/l	0.02
Spiked Amount 50.000			Recovery	=	78.02%	
62) 4-Bromofluorobenzene	13.56	95	285075	42.34	ug/l	0.01
Spiked Amount 50.000			Recovery	=	84.68%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.99	59	5818	22.228	ug/l #	76
16) Acetone	3.22	43	67896	63.139	ug/l #	87
18) Methyl Acetate	3.64	43	288	Below Cal	#	53
31) Cyclohexane	7.05	56	11047	2.053	ug/l #	11
36) 1,1-Dichloropropene	7.05	75	42008	6.113	ug/l #	45
38) Carbon Tetrachloride	7.05	117	56477	5.938	ug/l #	16
76) 1,2,3-Trichloropropane	13.56	75	91447	20.835	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.56	75	119237	96.231	ug/l #	16

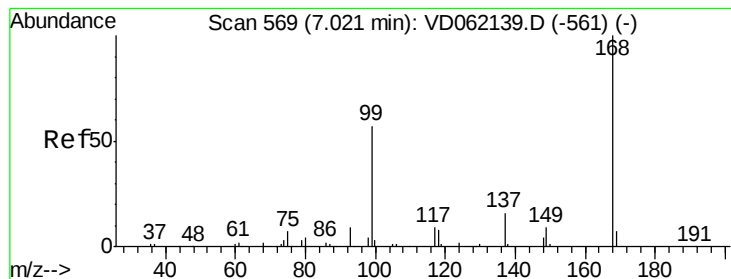
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051619\
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QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062414.D

Acq: 16 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

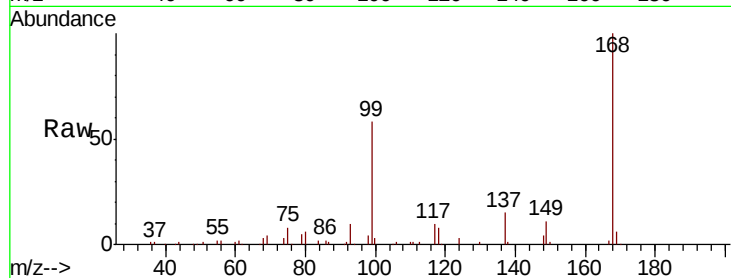
SOIL-COMP

Tot Ion:168 Resp: 551780

Ion Ratio Lower Upper

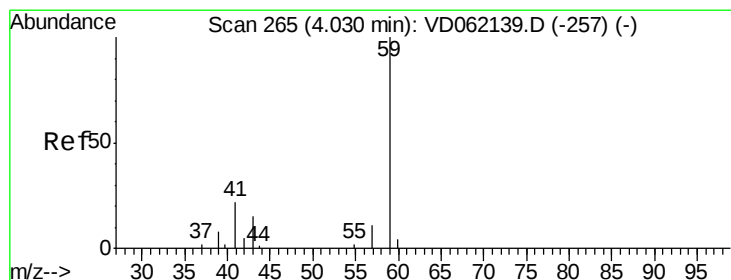
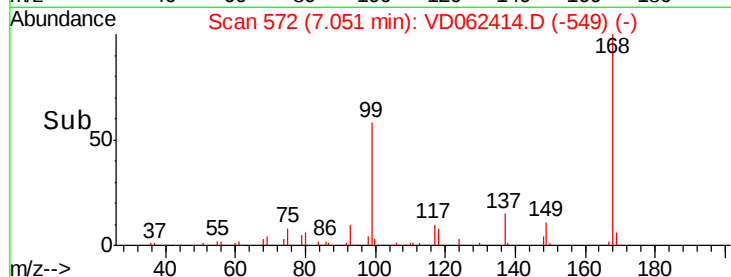
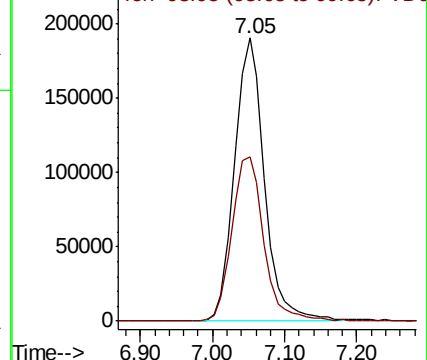
168 100

99 58.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 22.228 ug/l

RT: 3.99 min Scan# 261

Delta R.T. -0.04 min

Lab File: VD062414.D

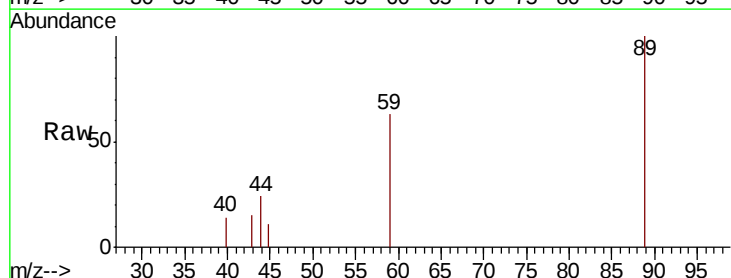
Acq: 16 May 2019 13:40

Tgt Ion: 59 Resp: 5818

Ion Ratio Lower Upper

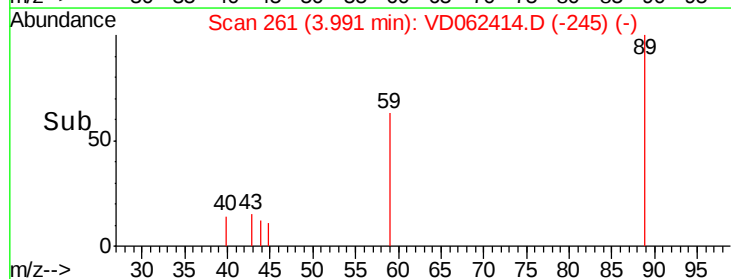
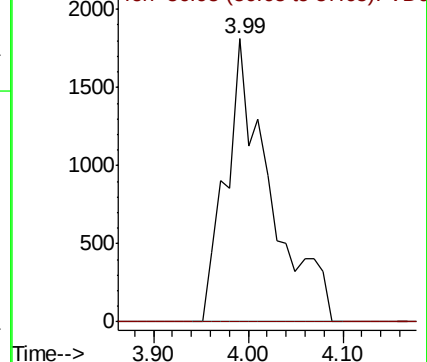
59 100

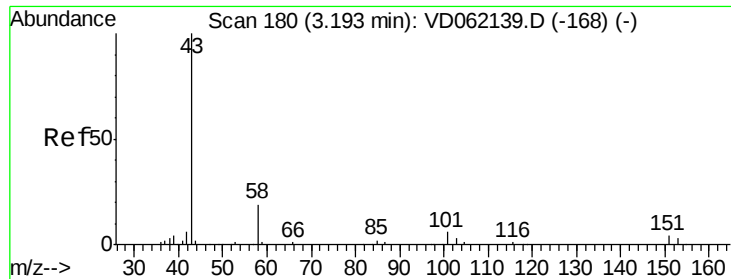
57 0.0 6.9 10.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 63.139 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062414.D

Acq: 16 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

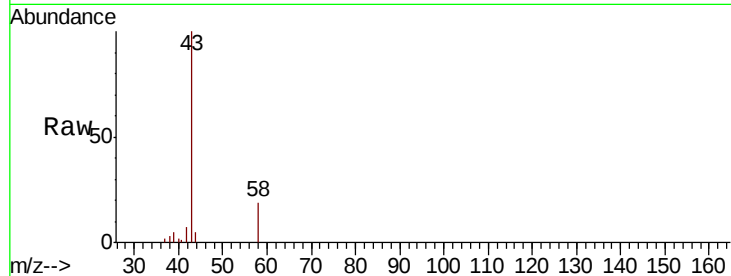
SOIL-COMP

Tot Ion: 43 Resp: 67896

Ion Ratio Lower Upper

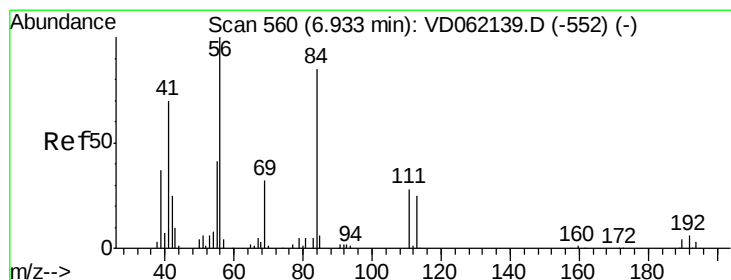
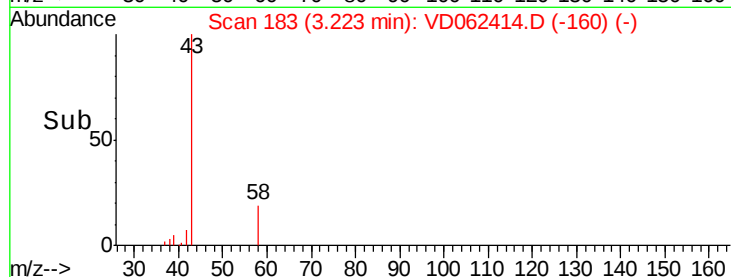
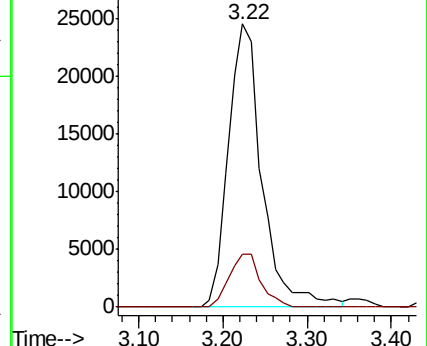
43 100

58 18.5 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#31

Cyclohexane

Concen: 2.053 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.12 min

Lab File: VD062414.D

Acq: 16 May 2019 13:40

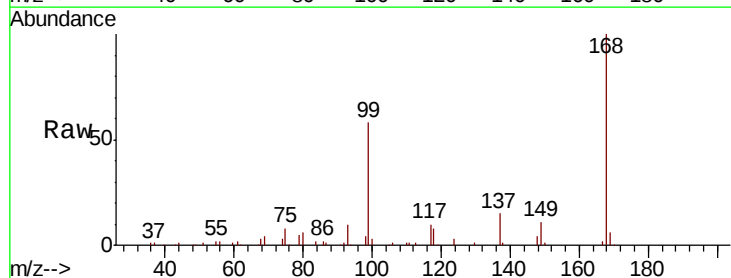
Tgt Ion: 56 Resp: 11047

Ion Ratio Lower Upper

56 100

69 212.5 25.8 38.6#

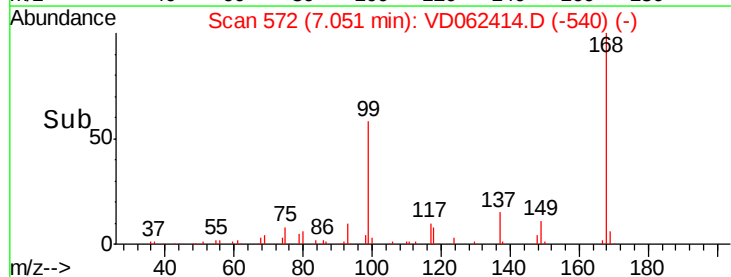
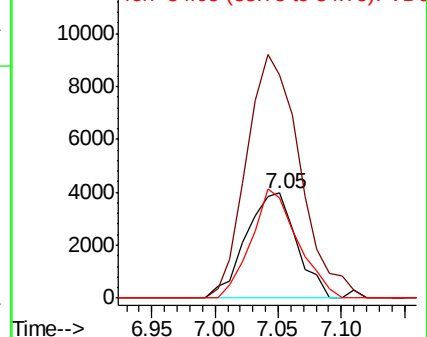
84 95.4 72.2 108.4

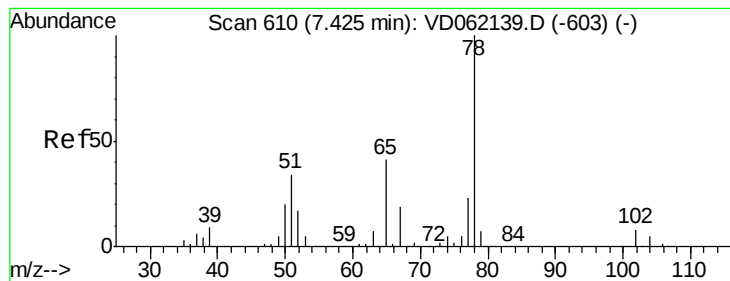


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 50.389 ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062414.D

Acq: 16 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

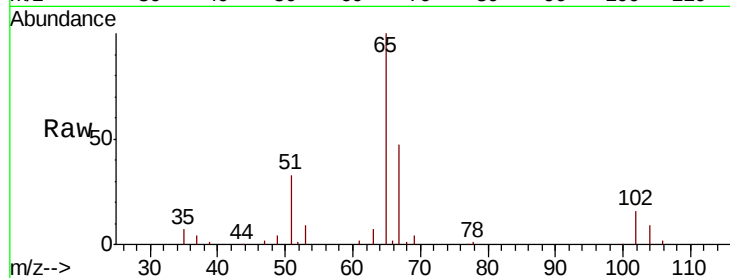
SOIL-COMP

Tot Ion: 65 Resp: 258384

Ion Ratio Lower Upper

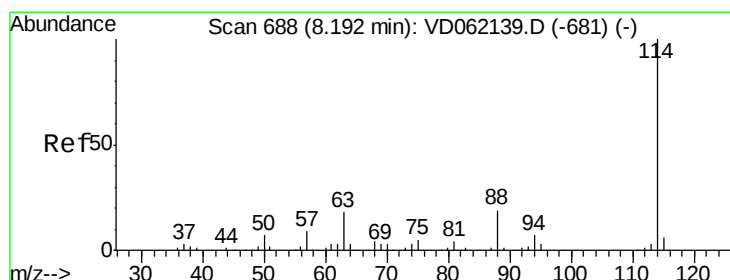
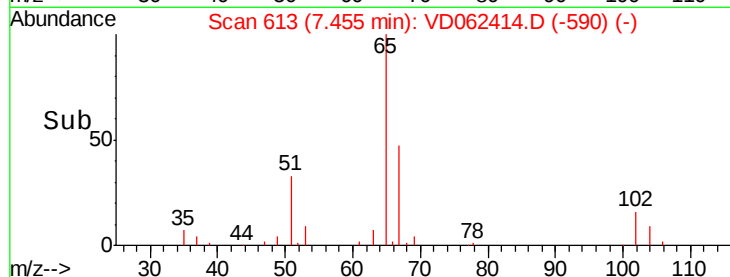
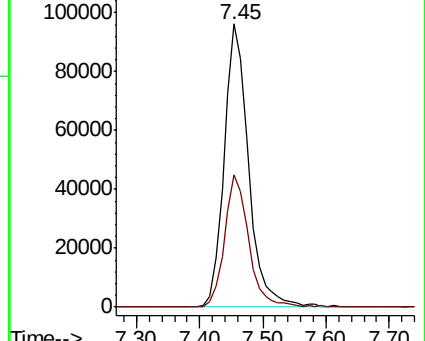
65 100

67 47.0 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD062414.D

Acq: 16 May 2019 13:40

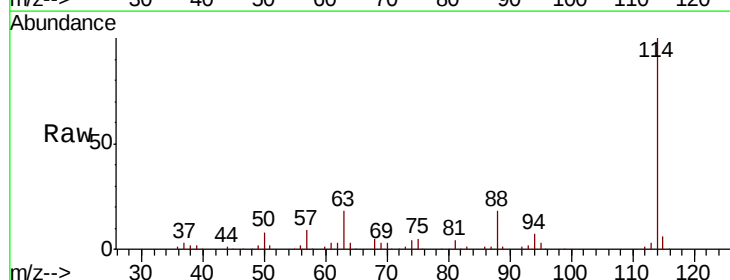
Tgt Ion: 114 Resp: 838180

Ion Ratio Lower Upper

114 100

63 18.4 0.0 32.4

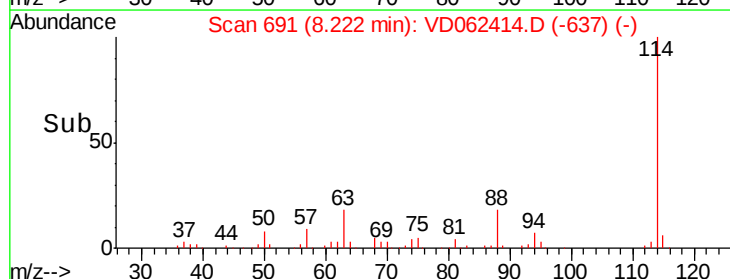
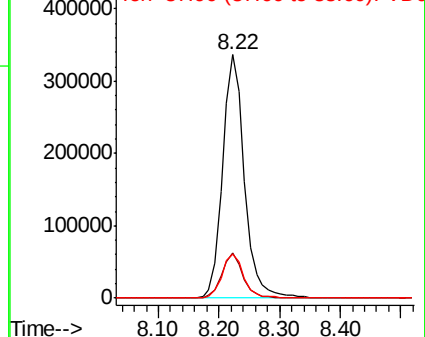
88 18.0 0.0 33.6

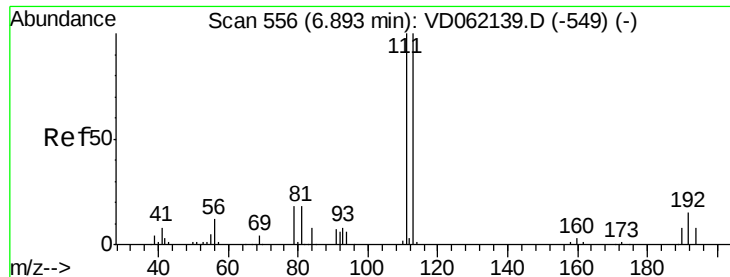


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 46.233 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD062414.D

Acq: 16 May 2019 13:40

Instrument :

MSVOA_D

ClientSampled :

SOIL-COMP

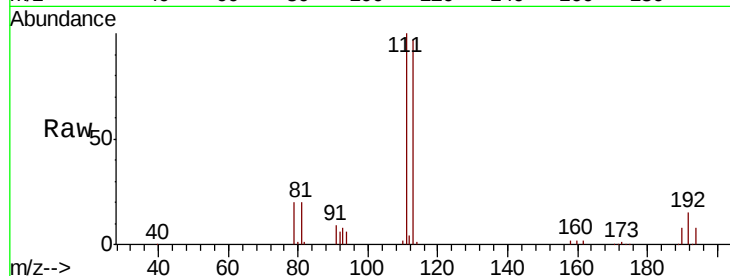
Tot Ion:113 Resp: 321523

Ion Ratio Lower Upper

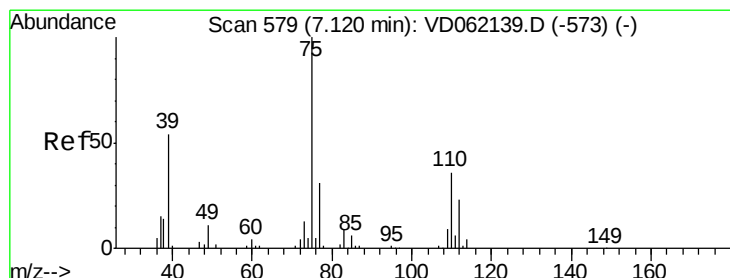
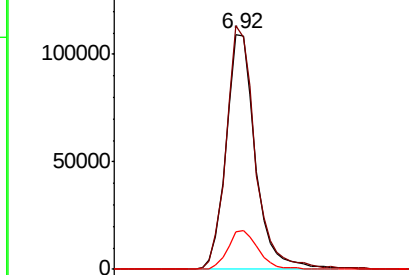
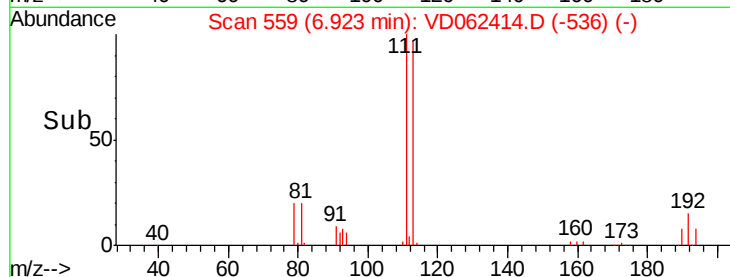
113 100

111 103.5 78.5 117.7

192 15.9 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 6.113 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.07 min

Lab File: VD062414.D

Acq: 16 May 2019 13:40

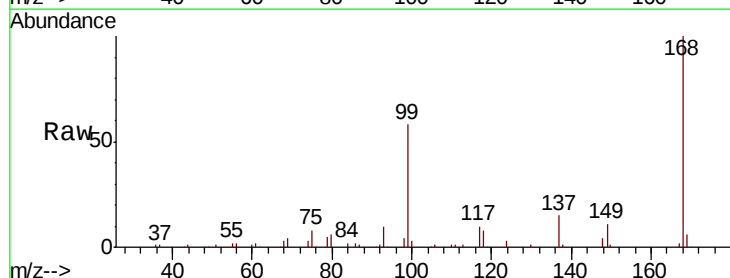
Tgt Ion: 75 Resp: 42008

Ion Ratio Lower Upper

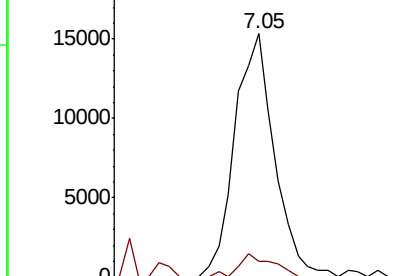
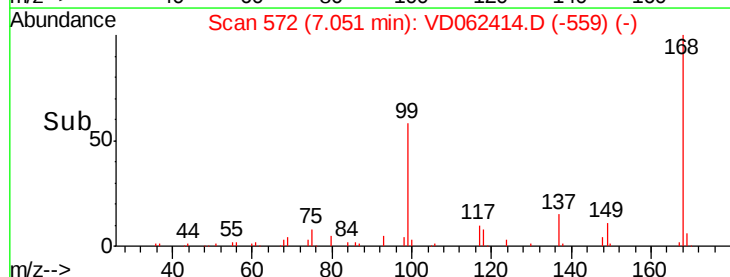
75 100

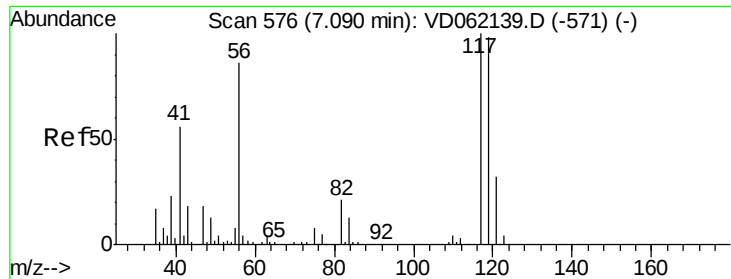
110 6.3 19.1 57.1#

77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.938 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD062414.D

Acq: 16 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

SOIL-COMP

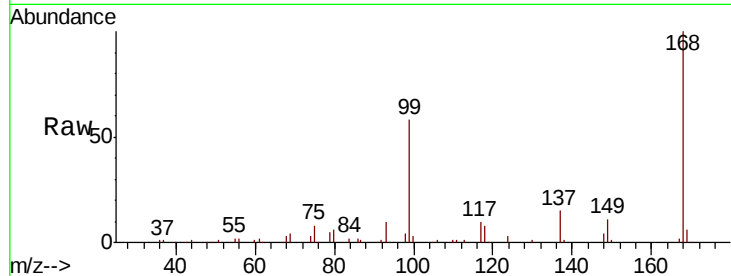
Tot Ion:117 Resp: 56477

Ion Ratio Lower Upper

117 100

119 4.2 75.8 113.8#

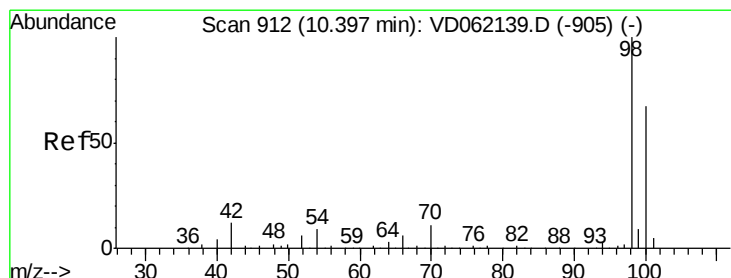
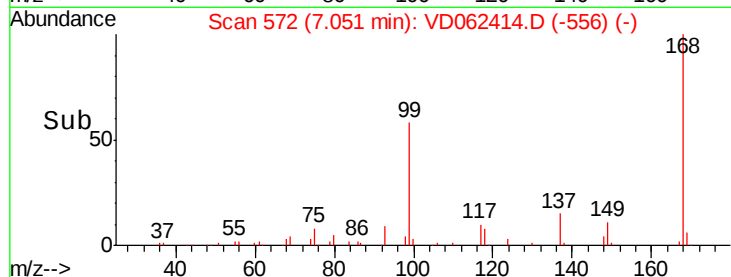
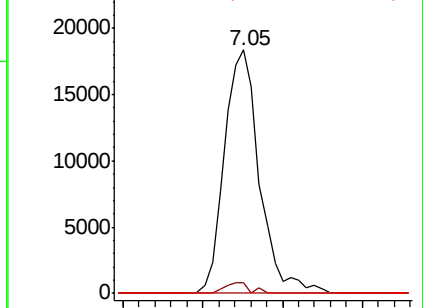
121 0.0 25.9 38.9#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#50

Toluene-d8

Concen: 39.013 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD062414.D

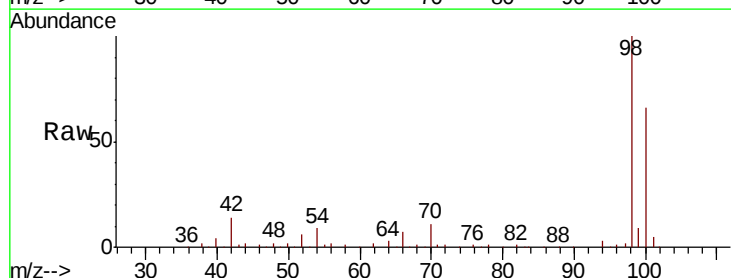
Acq: 16 May 2019 13:40

Tgt Ion: 98 Resp: 654159

Ion Ratio Lower Upper

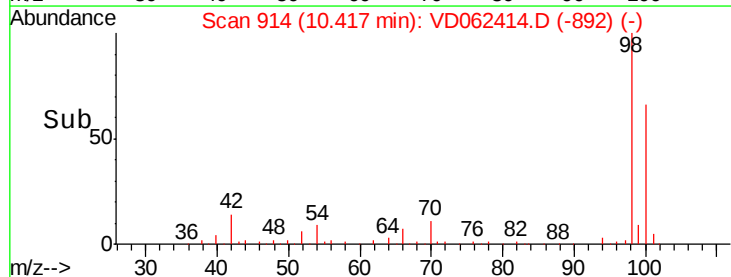
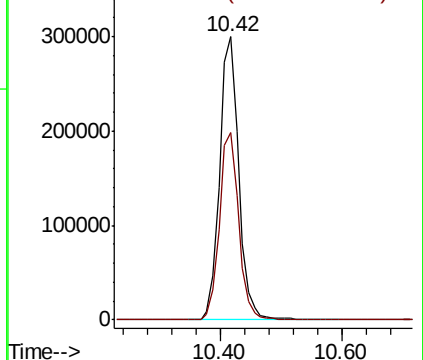
98 100

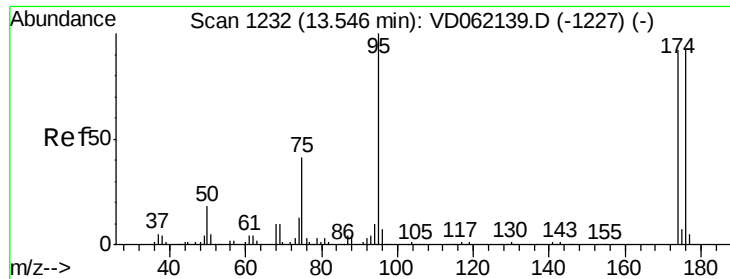
100 66.0 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 42.338 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062414.D

Acq: 16 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

SOIL-COMP

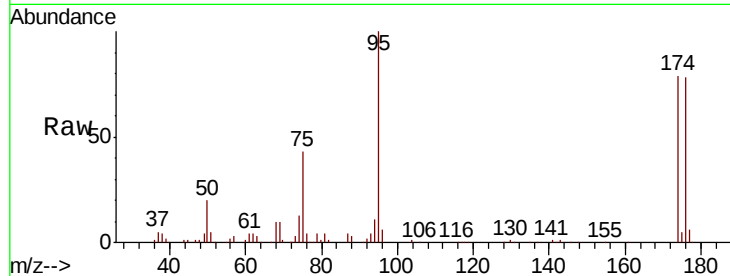
Tot Ion: 95 Resp: 285075

Ion Ratio Lower Upper

95 100

174 79.1 0.0 181.8

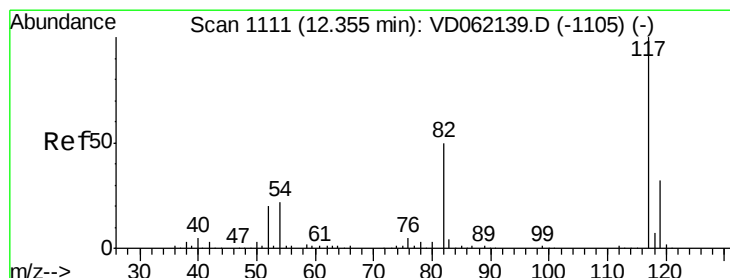
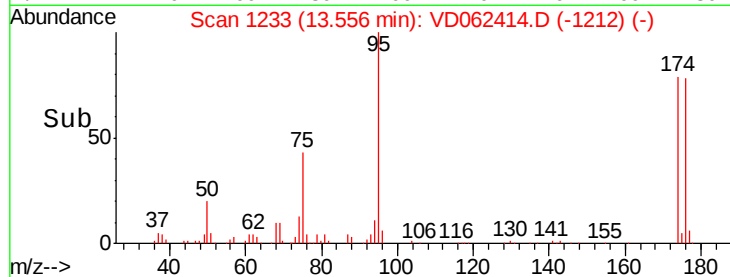
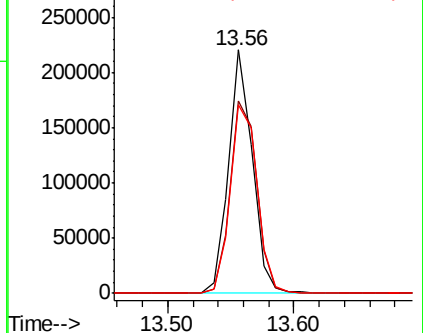
176 77.5 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.38 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD062414.D

Acq: 16 May 2019 13:40

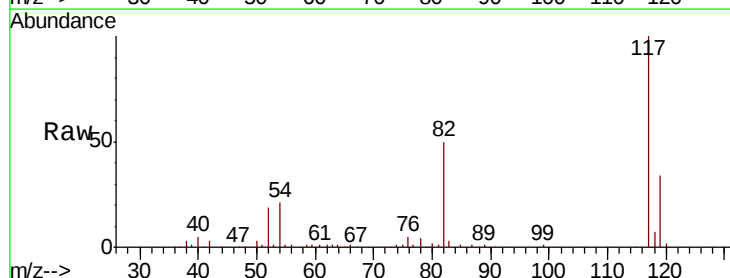
Tgt Ion: 117 Resp: 715855

Ion Ratio Lower Upper

117 100

82 49.8 36.2 54.2

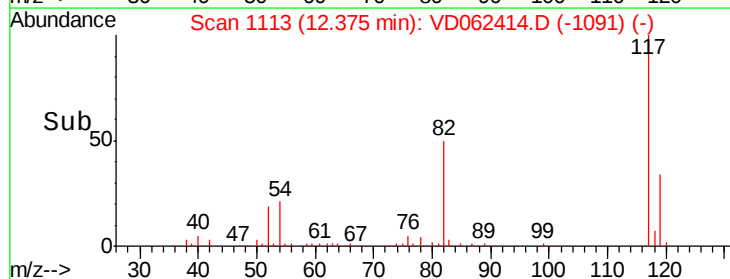
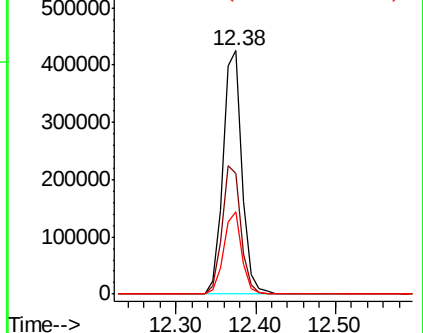
119 33.7 26.2 39.4

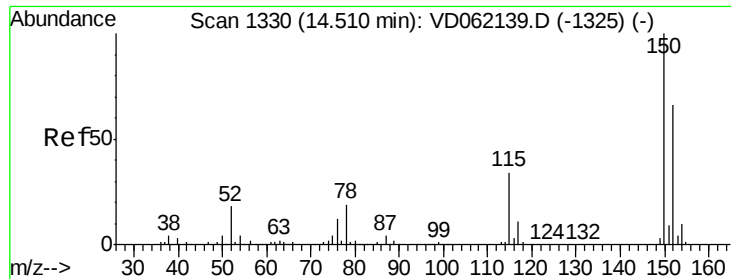


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062414.D

Acq: 16 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

SOIL-COMP

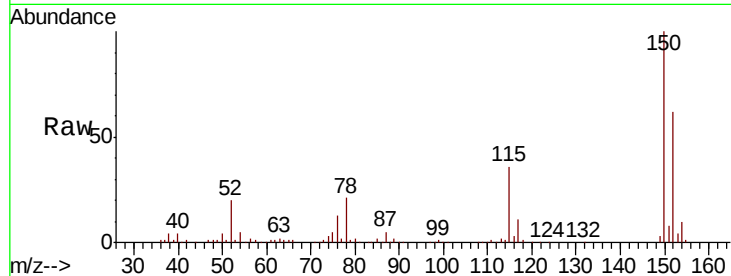
Tot Ion:152 Resp: 369322

Ion Ratio Lower Upper

152 100

115 58.3 30.9 92.7

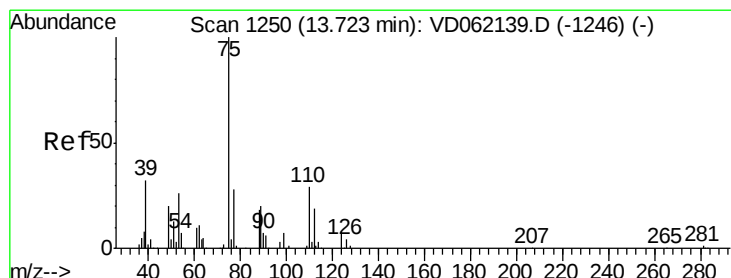
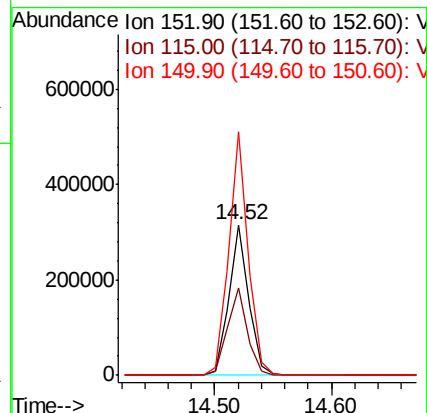
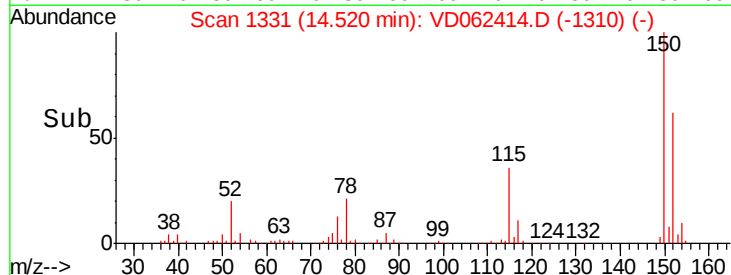
150 161.7 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 20.835 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD062414.D

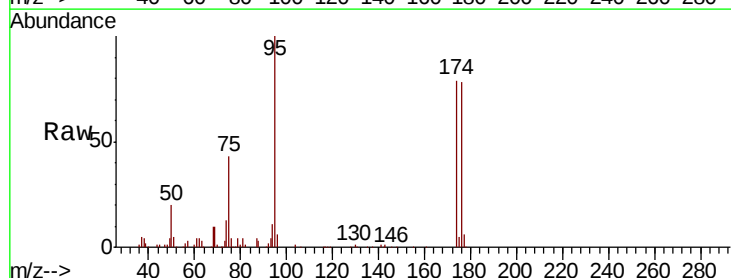
Acq: 16 May 2019 13:40

Tgt Ion: 75 Resp: 91447

Ion Ratio Lower Upper

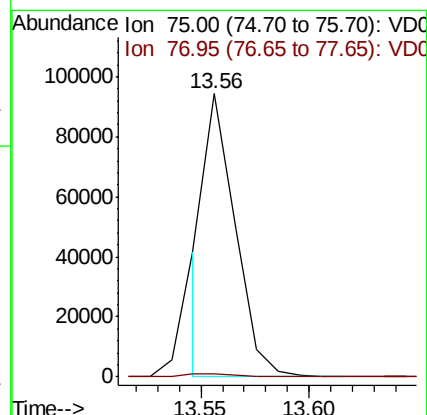
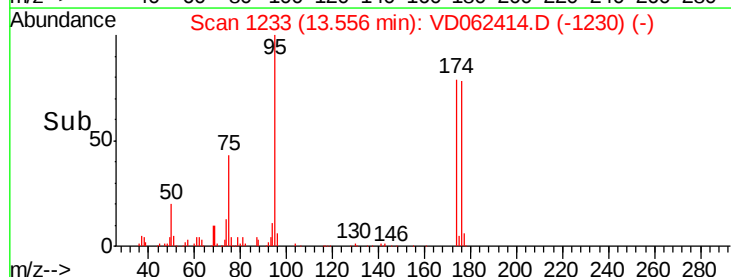
75 100

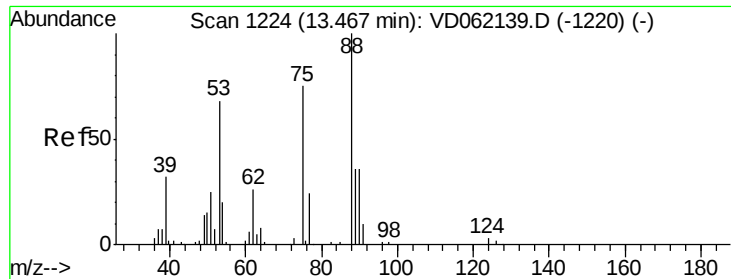
77 0.9 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 96.231 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062414.D

Acq: 16 May 2019 13:40

Instrument :

MSVOA_D

ClientSampleId :

SOIL-COMP

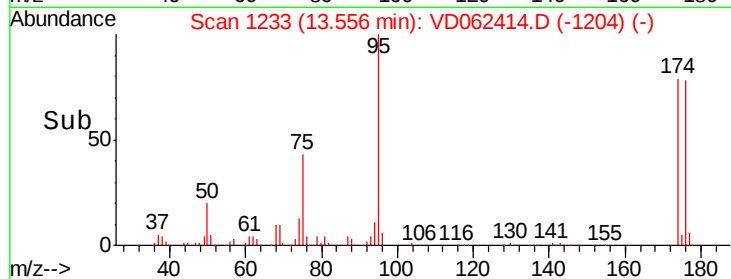
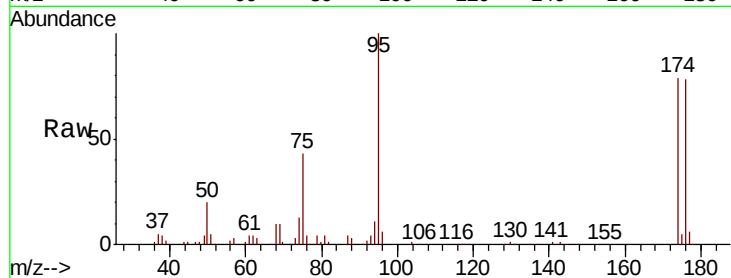
Tot Ion: 75 Resp: 119237

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

