

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122718\
 Data File : VD060732.D
 Acq On : 27 Dec 2018 17:54
 Operator : VA/AP
 Sample : J6446-19RE
 Misc : 5.09g/5ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS023-0612-01RE

Quant Time: Dec 28 01:38:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

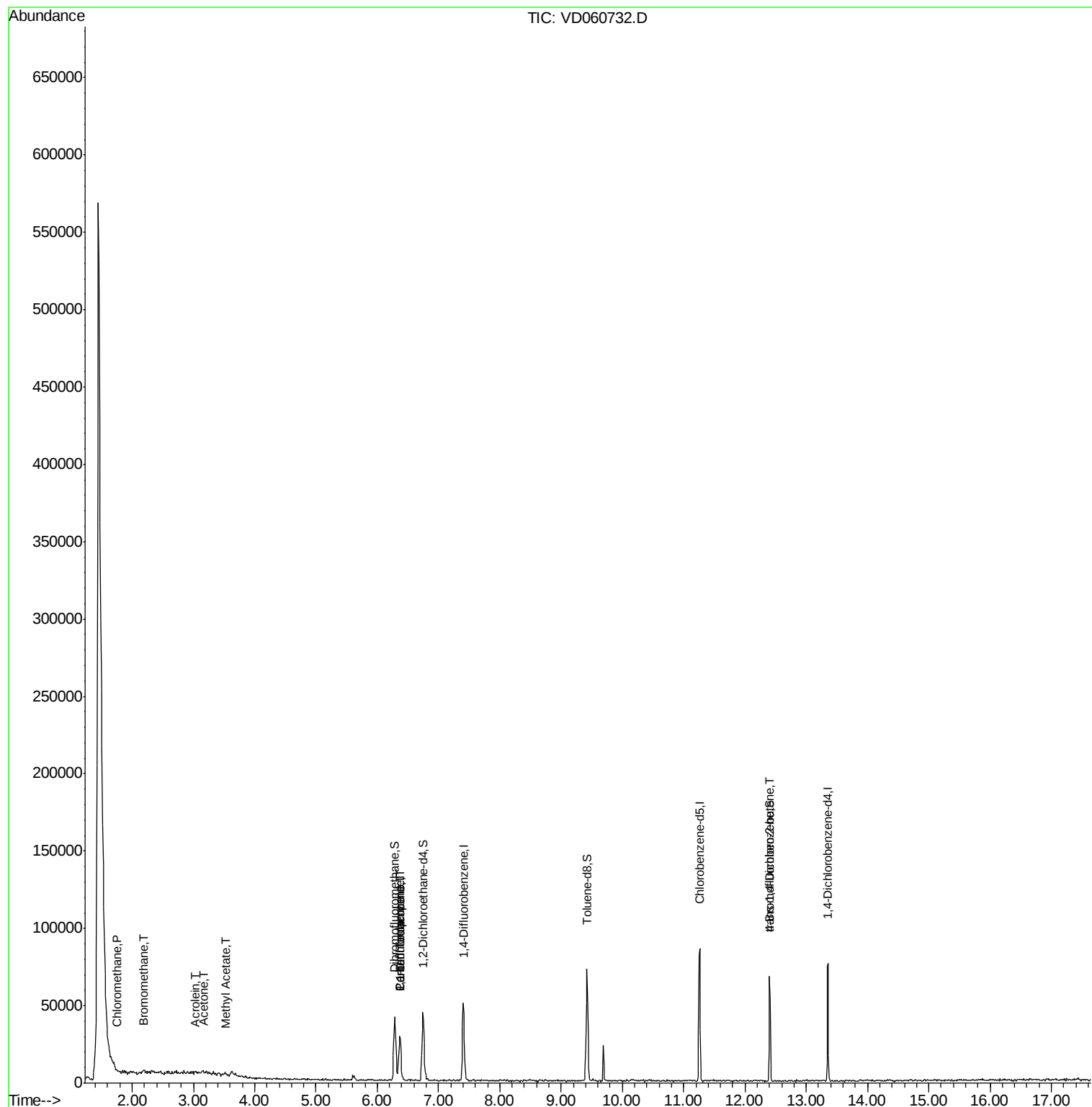
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	32252	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.40	114	54467	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.26	117	49298	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	19018	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.74	65	39931	179.16	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	358.32%	
35) Dibromofluoromethane	6.28	113	33475	83.97	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	167.94%	
50) Toluene-d8	9.42	98	56079	47.15	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	94.30%	
62) 4-Bromofluorobenzene	12.40	95	19058	45.75	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	91.50%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.76	50	1479	3.900	ug/l #	41
5) Bromomethane	2.18	94	3291	48.792	ug/l #	42
13) Acrolein	3.03	56	194	20.438	ug/l #	14
16) Acetone	3.15	43	1160	29.802	ug/l #	53
18) Methyl Acetate	3.53	43	1018	10.553	ug/l #	63
36) 1,1-Dichloropropene	6.37	75	2475	4.413	ug/l #	40
38) Carbon Tetrachloride	6.38	117	2199	4.444	ug/l #	12
81) trans-1,4-Dichloro-2-buten	12.40	75	7476	124.956	ug/l #	13

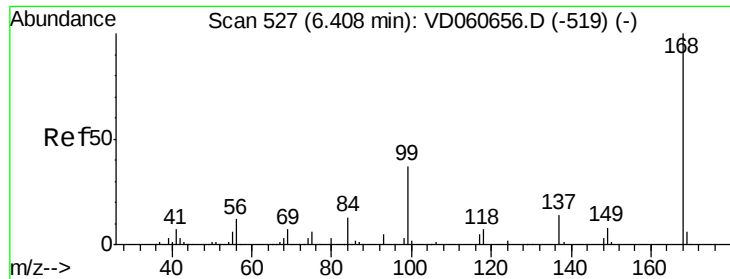
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD122718\
Data File : VD060732.D
Acq On : 27 Dec 2018 17:54
Operator : VA/AP
Sample : J6446-19RE
Misc : 5.09g/5ml/MSVOA_D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P001-SS023-0612-01RE

Quant Time: Dec 28 01:38:25 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 21 17:37:47 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.37 min Scan# 523

Delta R.T. -0.04 min

Lab File: VD060732.D

Acq: 27 Dec 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

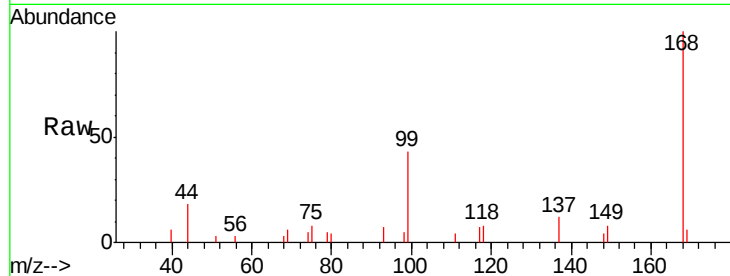
P001-SS023-0612-01RE

Tgt Ion:168 Resp: 32252

Ion Ratio Lower Upper

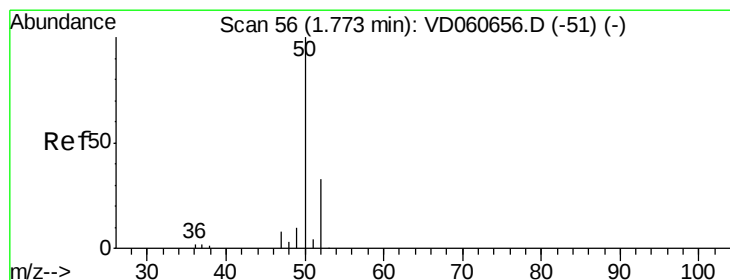
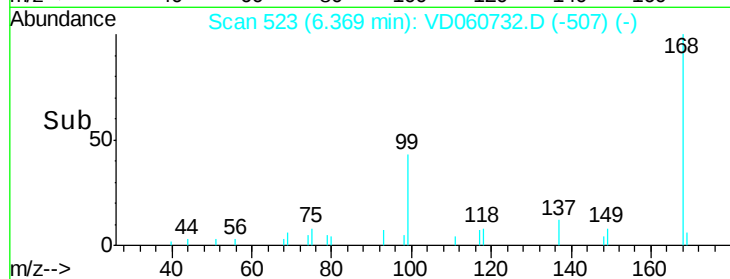
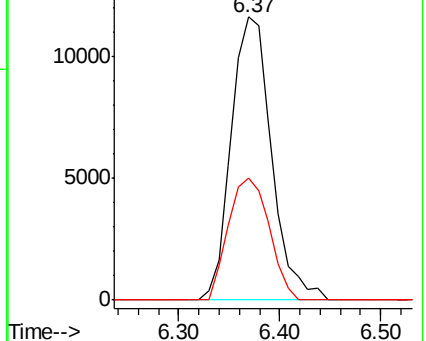
168 100

99 42.9 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 3.900 ug/l

RT: 1.76 min Scan# 55

Delta R.T. -0.01 min

Lab File: VD060732.D

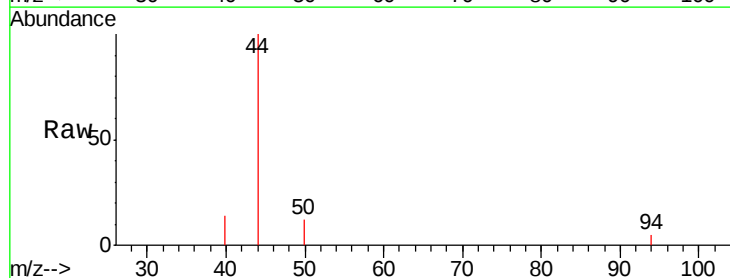
Acq: 27 Dec 2018 17:54

Tgt Ion: 50 Resp: 1479

Ion Ratio Lower Upper

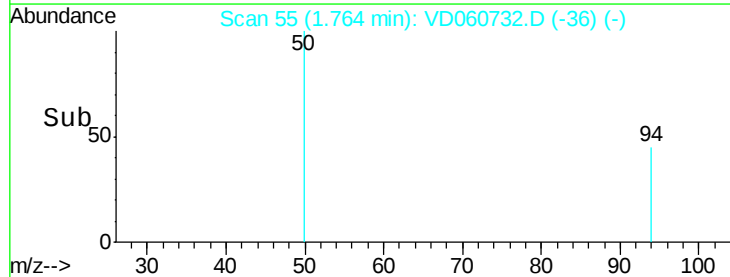
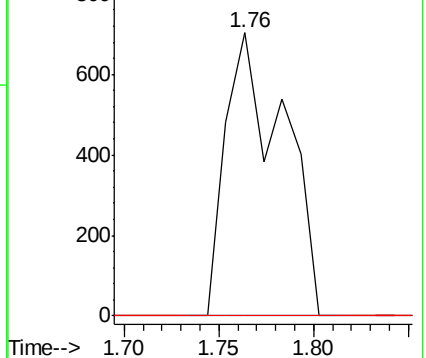
50 100

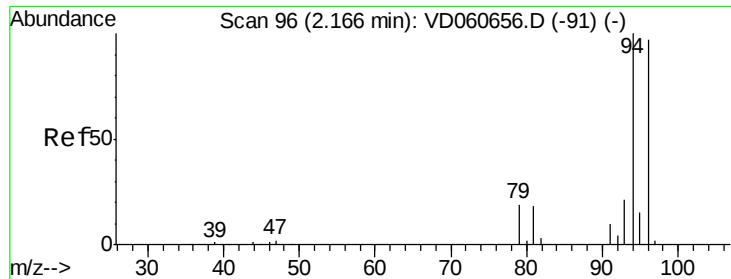
52 0.0 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 48.792 ug/l

RT: 2.18 min Scan# 97

Delta R.T. 0.01 min

Lab File: VD060732.D

Acq: 27 Dec 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

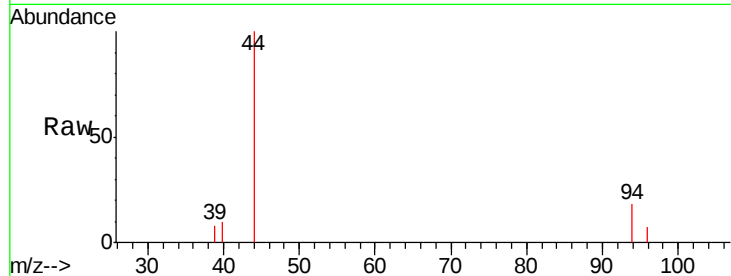
P001-SS023-0612-01RE

Tgt Ion: 94 Resp: 3291

Ion Ratio Lower Upper

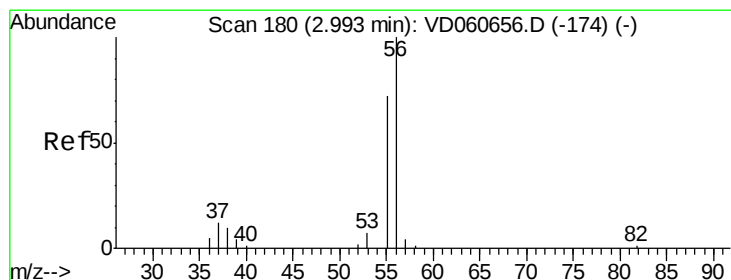
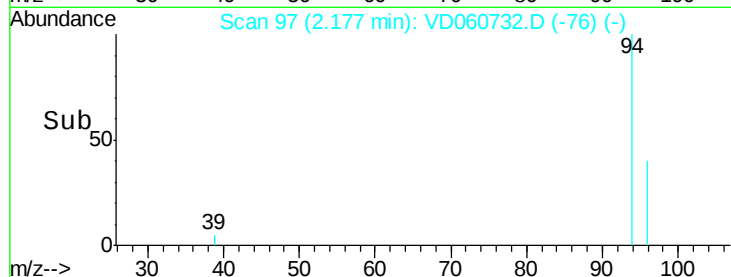
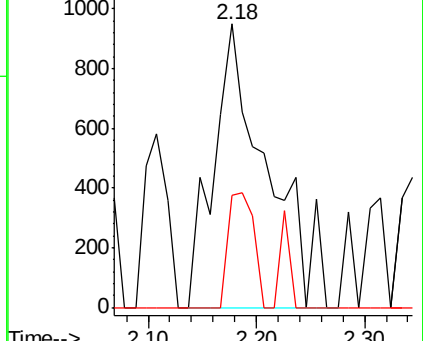
94 100

96 39.6 77.2 115.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#13

Acrolein

Concen: 20.438 ug/l

RT: 3.03 min Scan# 184

Delta R.T. 0.04 min

Lab File: VD060732.D

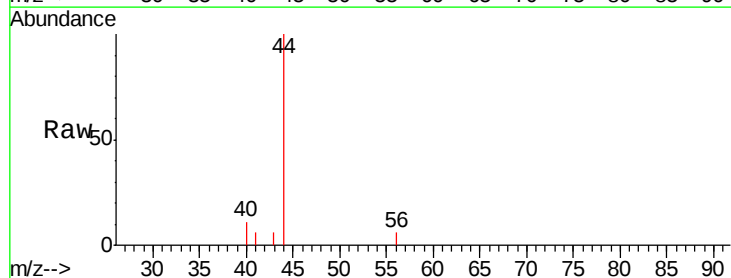
Acq: 27 Dec 2018 17:54

Tgt Ion: 56 Resp: 194

Ion Ratio Lower Upper

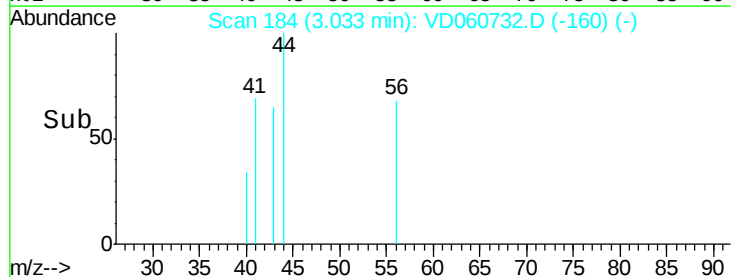
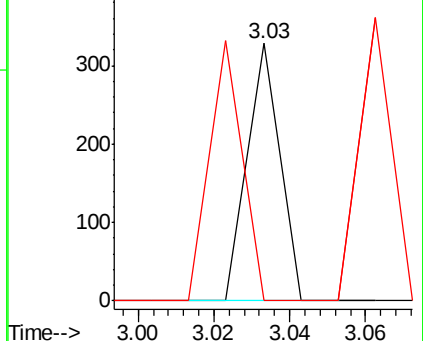
56 100

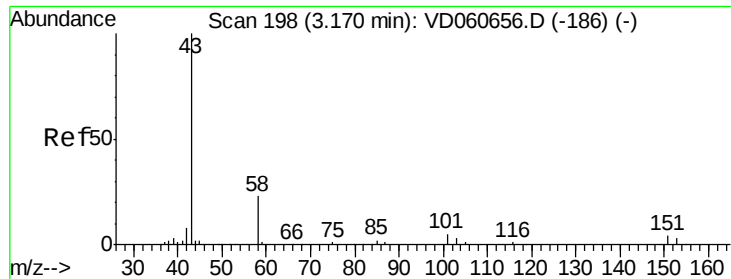
55 0.0 57.7 86.5#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 29.802 ug/l

RT: 3.15 min Scan# 196

Delta R.T. -0.02 min

Lab File: VD060732.D

Acq: 27 Dec 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

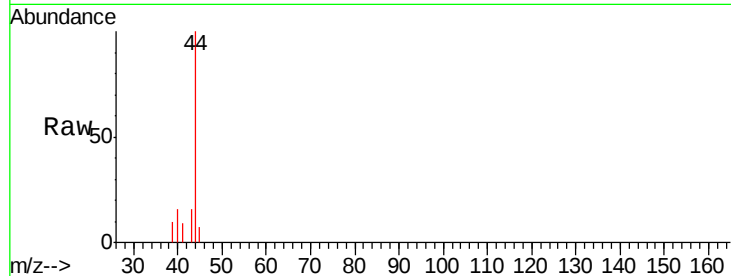
P001-SS023-0612-01RE

Tgt Ion: 43 Resp: 1160

Ion Ratio Lower Upper

43 100

58 0.0 18.2 27.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.15

800

600

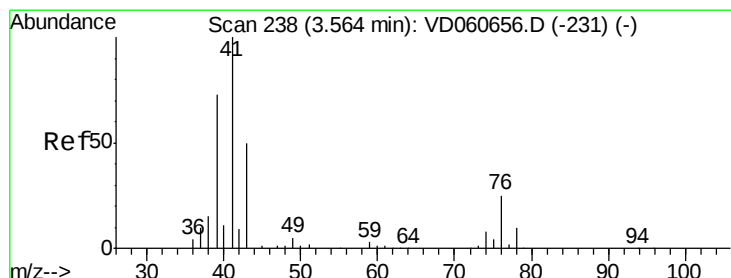
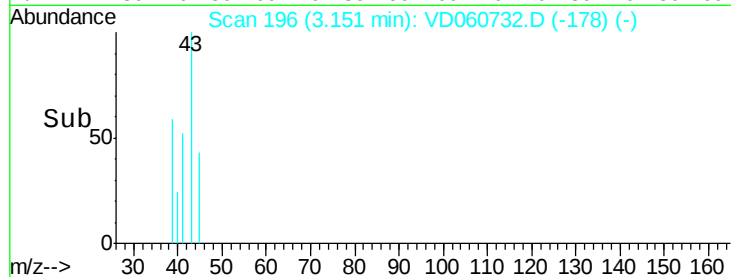
400

200

0

3.12 3.14 3.16 3.18

Time-->



#18

Methyl Acetate

Concen: 10.553 ug/l

RT: 3.53 min Scan# 235

Delta R.T. -0.03 min

Lab File: VD060732.D

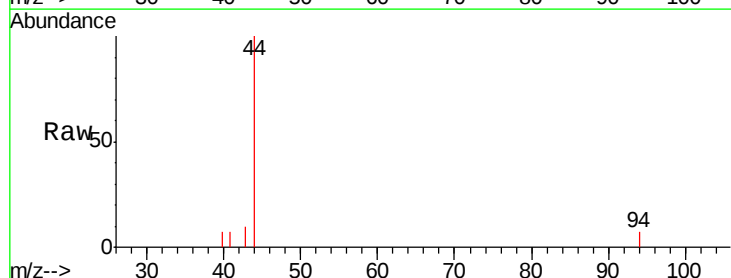
Acq: 27 Dec 2018 17:54

Tgt Ion: 43 Resp: 1018

Ion Ratio Lower Upper

43 100

74 0.0 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

600

500

400

300

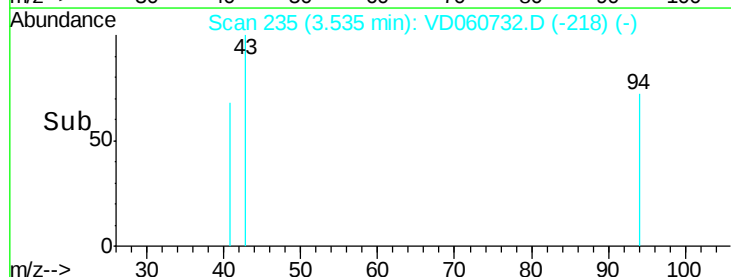
200

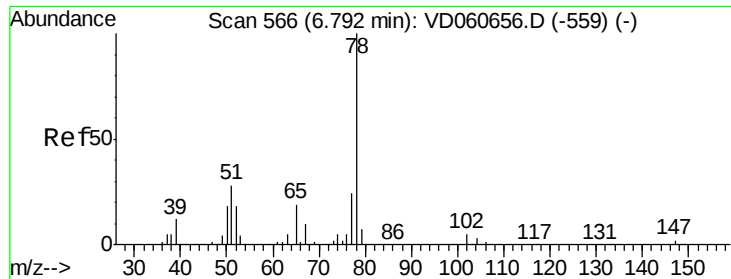
100

0

3.50 3.52 3.54 3.56

Time-->

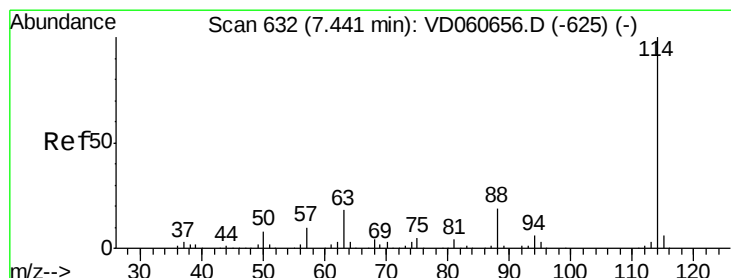
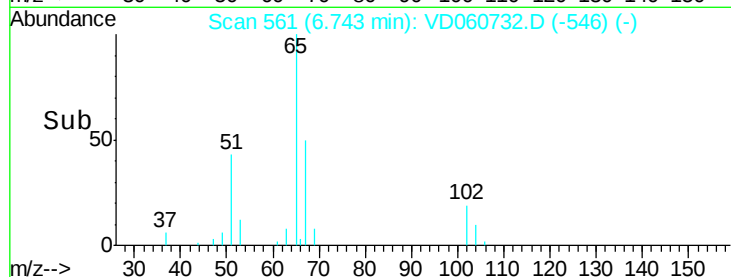
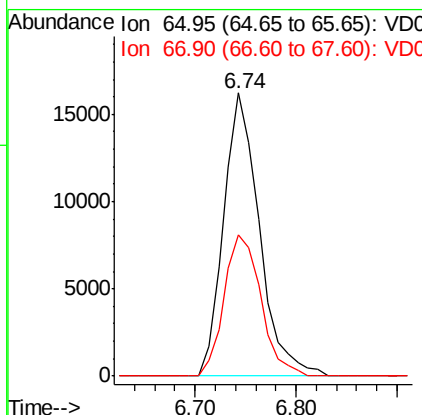
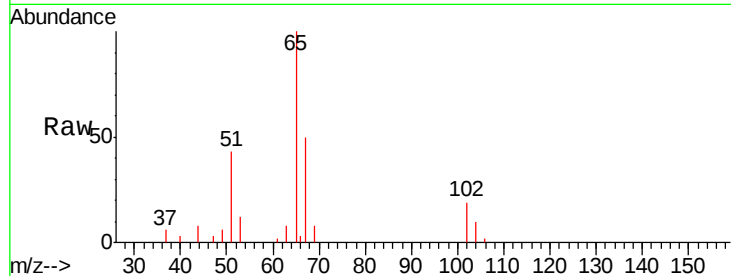




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.74 min Scan# 561
 Delta R.T. -0.05 min
 Lab File: VD060732.D
 Acq: 27 Dec 2018 17:54

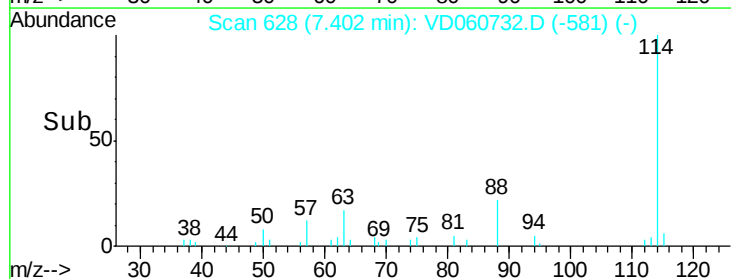
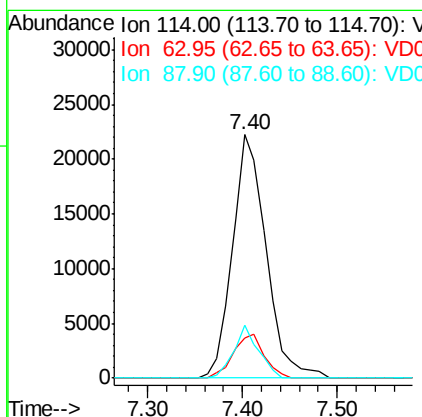
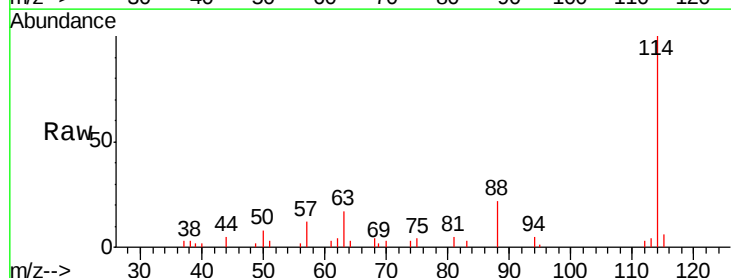
Instrument :
 MSVOA_D
 ClientSampleId :
 P001-SS023-0612-01RE

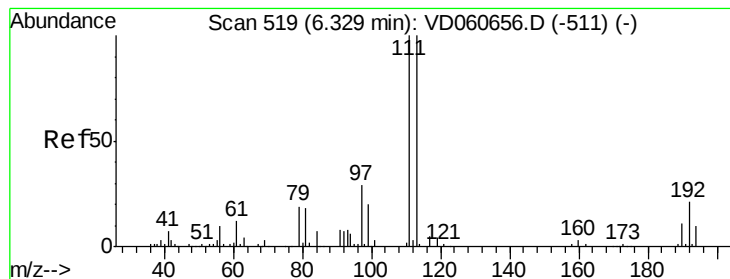
Tgt Ion: 65 Resp: 39931
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.40 min Scan# 628
 Delta R.T. -0.04 min
 Lab File: VD060732.D
 Acq: 27 Dec 2018 17:54

Tgt Ion: 114 Resp: 54467
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 36.2
 88 21.7 0.0 37.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.28 min Scan# 514

Delta R.T. -0.05 min

Lab File: VD060732.D

Acq: 27 Dec 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

P001-SS023-0612-01RE

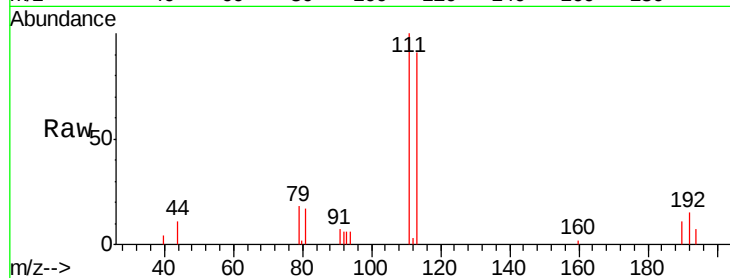
Tgt Ion:113 Resp: 33475

Ion Ratio Lower Upper

113 100

111 110.5 80.0 120.0

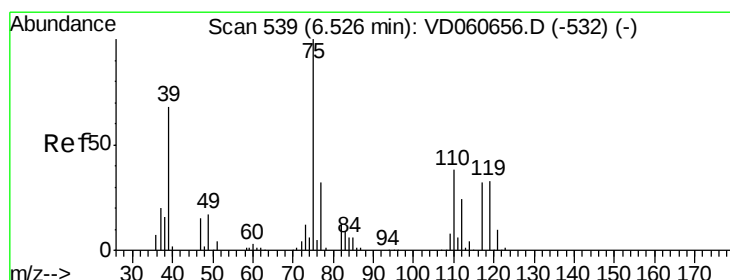
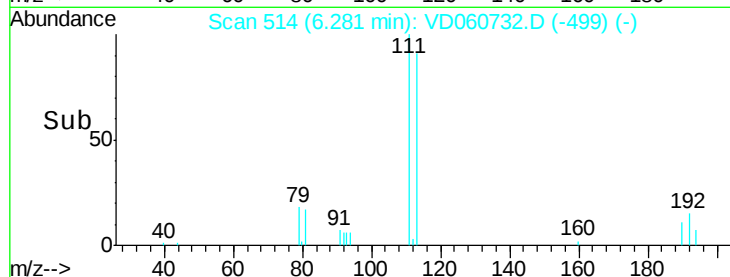
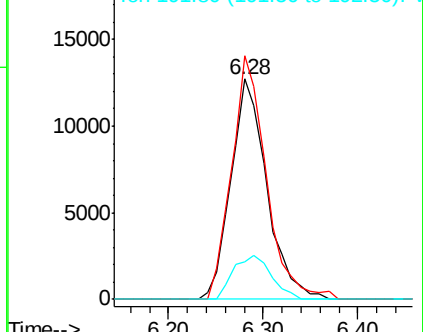
192 17.0 16.6 25.0



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: 4.413 ug/l

RT: 6.37 min Scan# 523

Delta R.T. -0.16 min

Lab File: VD060732.D

Acq: 27 Dec 2018 17:54

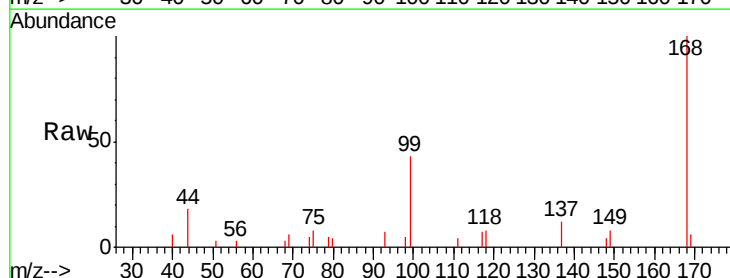
Tgt Ion: 75 Resp: 2475

Ion Ratio Lower Upper

75 100

110 0.0 18.9 56.7#

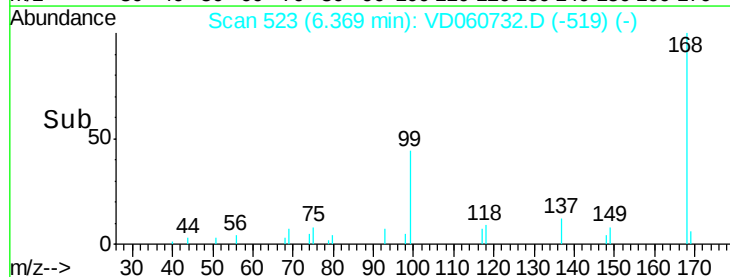
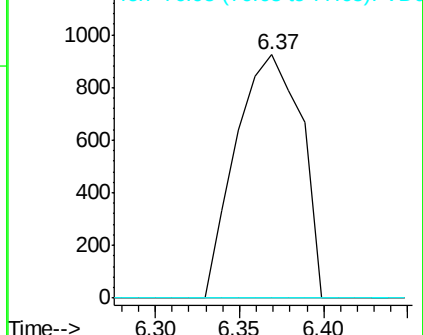
77 0.0 25.4 38.0#

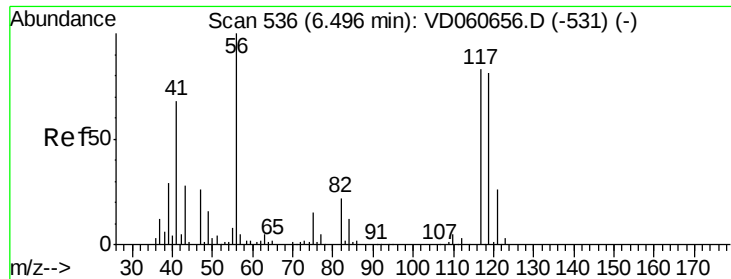


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 4.444 ug/l

RT: 6.38 min Scan# 524

Delta R.T. -0.12 min

Lab File: VD060732.D

Acq: 27 Dec 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

P001-SS023-0612-01RE

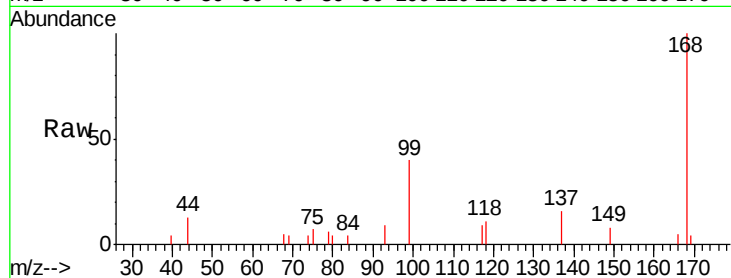
Tgt Ion:117 Resp: 2199

Ion Ratio Lower Upper

117 100

119 0.0 77.0 115.4#

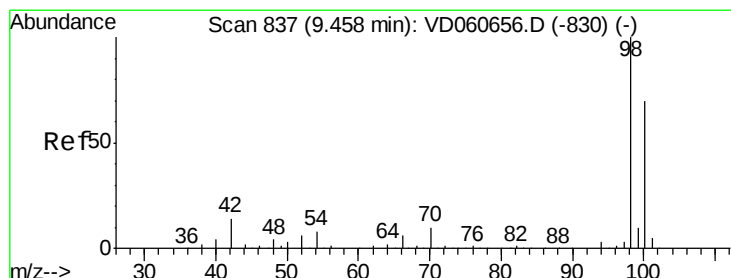
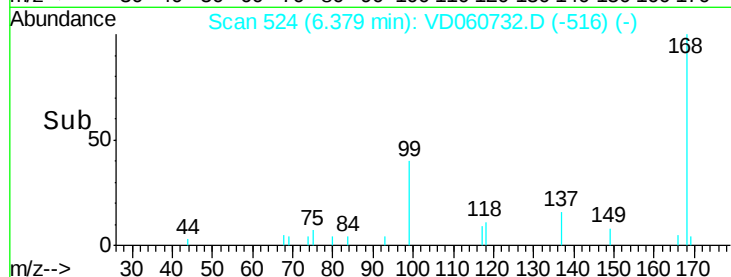
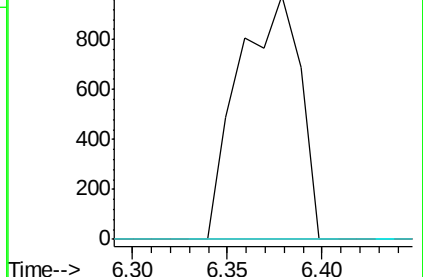
121 0.0 24.7 37.1#



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: N.D. ug/l

RT: 9.42 min Scan# 833

Delta R.T. -0.04 min

Lab File: VD060732.D

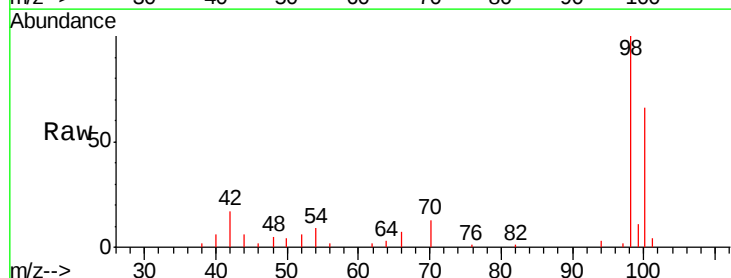
Acq: 27 Dec 2018 17:54

Tgt Ion: 98 Resp: 56079

Ion Ratio Lower Upper

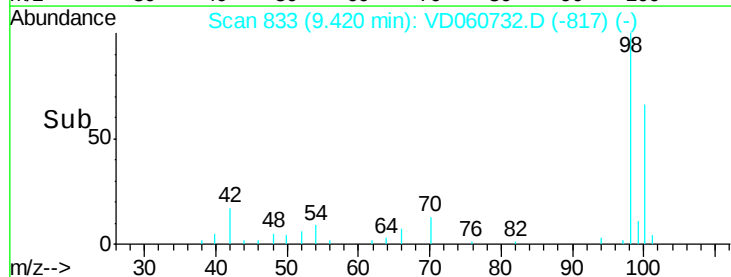
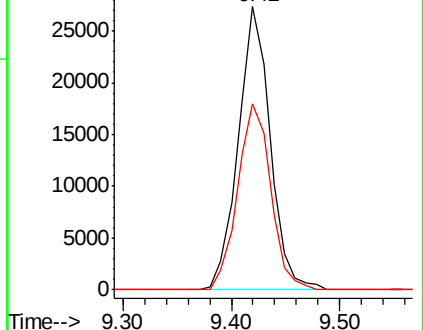
98 100

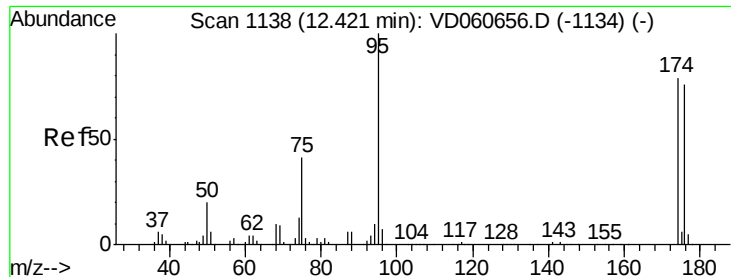
100 65.8 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 1136

Delta R.T. -0.02 min

Lab File: VD060732.D

Acq: 27 Dec 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

P001-SS023-0612-01RE

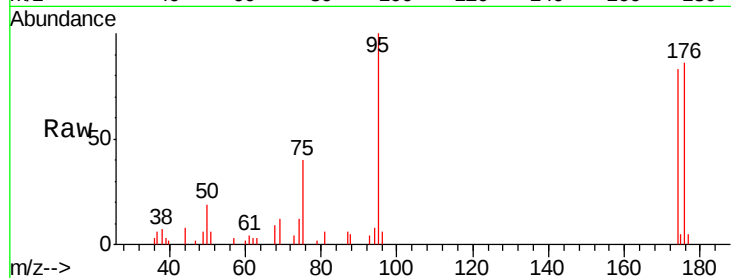
Tgt Ion: 95 Resp: 19058

Ion Ratio Lower Upper

95 100

174 82.7 0.0 158.2

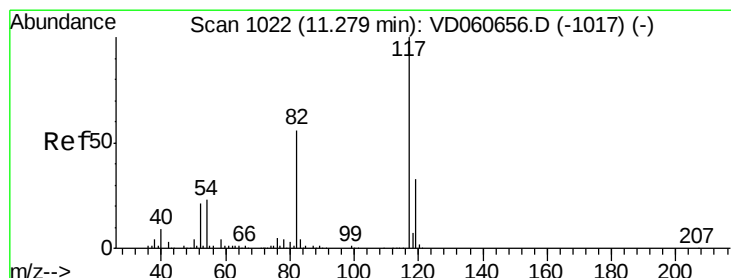
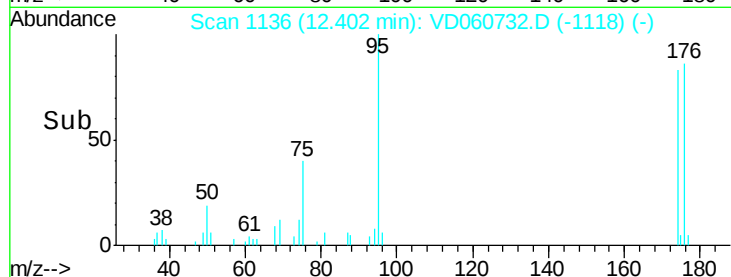
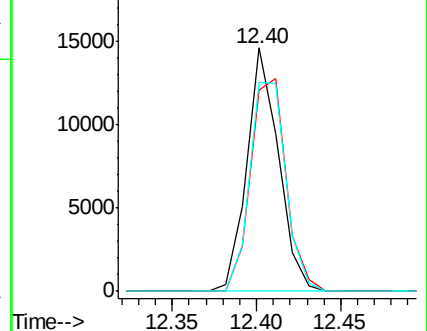
176 86.0 0.0 152.4



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: 11.26 min Scan# 1020

Delta R.T. -0.02 min

Lab File: VD060732.D

Acq: 27 Dec 2018 17:54

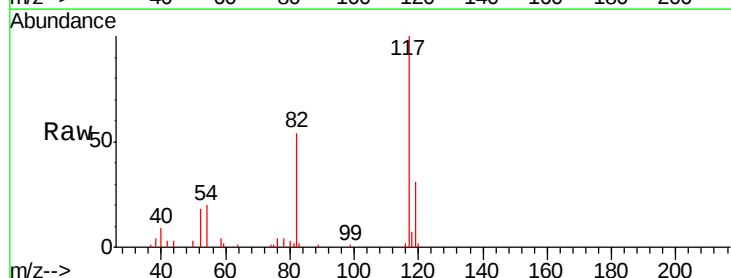
Tgt Ion: 117 Resp: 49298

Ion Ratio Lower Upper

117 100

82 54.4 44.5 66.7

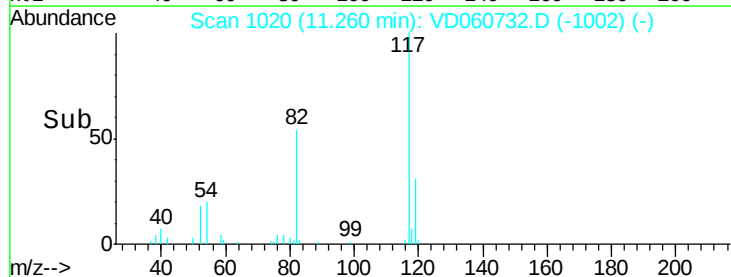
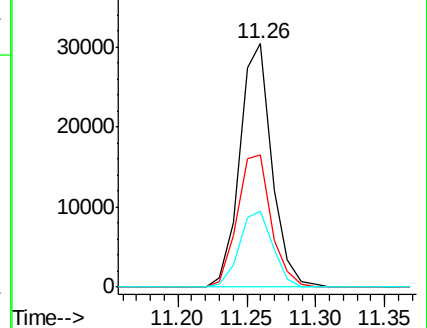
119 31.2 26.3 39.5

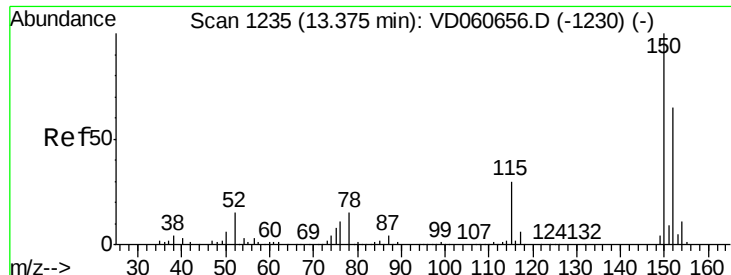


Abundance Ion 116.95 (116.65 to 117.65): V

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: 13.36 min Scan# 1233

Delta R.T. -0.02 min

Lab File: VD060732.D

Acq: 27 Dec 2018 17:54

Instrument :

MSVOA_D

ClientSampleId :

P001-SS023-0612-01RE

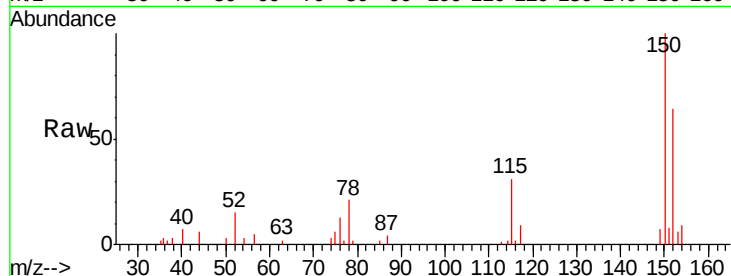
Tgt Ion:152 Resp: 19018

Ion Ratio Lower Upper

152 100

115 48.1 24.1 72.3

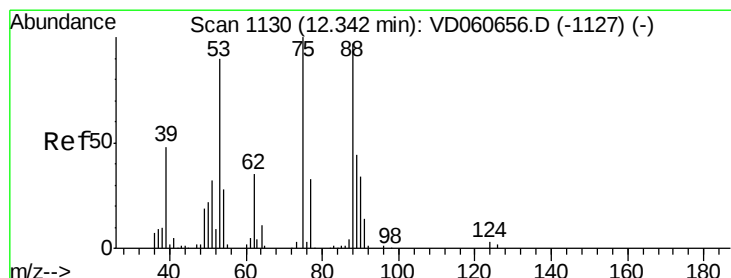
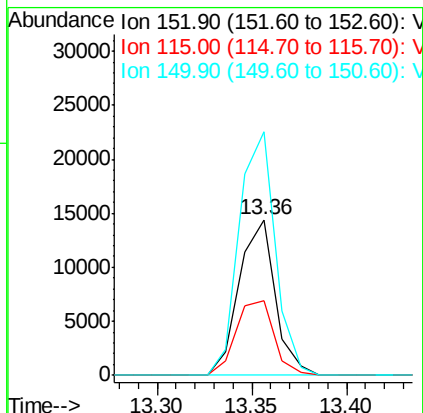
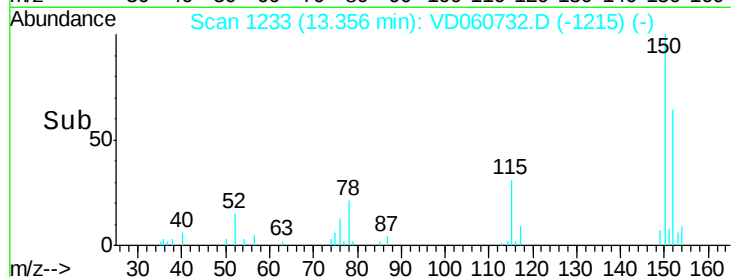
150 156.7 0.0 315.0



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



#81

trans-1,4-Dichloro-2-butene

Concen: 124.956 ug/l

RT: 12.40 min Scan# 1136

Delta R.T. 0.06 min

Lab File: VD060732.D

Acq: 27 Dec 2018 17:54

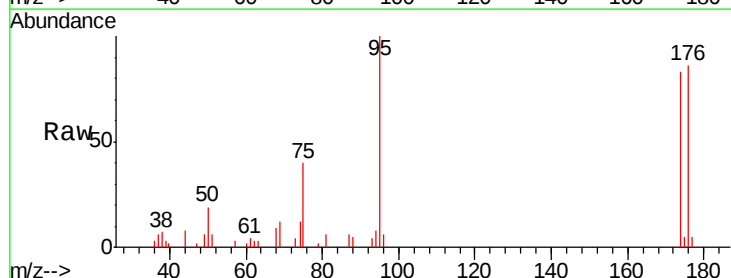
Tgt Ion: 75 Resp: 7476

Ion Ratio Lower Upper

75 100

53 0.0 72.1 108.1#

89 0.0 35.1 52.7#



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

