

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040519\
 Data File : VD061625.D
 Acq On : 5 Apr 2019 17:12
 Operator : VA/AP
 Sample : K2257-25RE
 Misc : 4.88g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 06 00:27:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

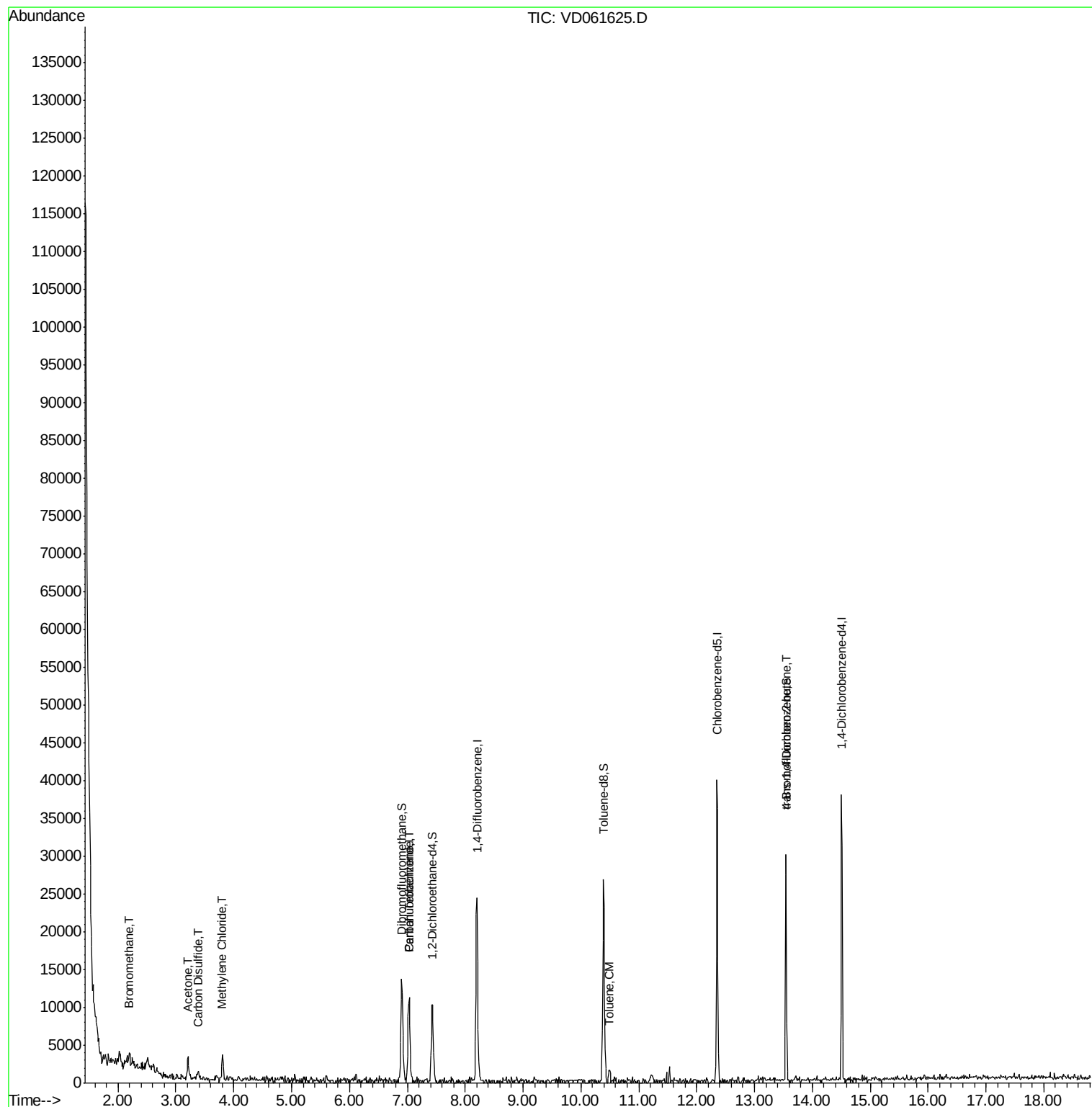
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	14031	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	32394	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	28167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	10786	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	11999	100.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	200.22%	
35) Dibromofluoromethane	6.90	113	13980	56.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.94%	
50) Toluene-d8	10.39	98	25590	43.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.20%	
62) 4-Bromofluorobenzene	13.55	95	11107	48.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.56%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.19	94	815	36.629	ug/l #	10
16) Acetone	3.21	43	4854	157.538	ug/l #	89
17) Carbon Disulfide	3.38	76	1317	2.691	ug/l #	75
20) Methylene Chloride	3.80	84	1562	7.414	ug/l #	92
38) Carbon Tetrachloride	7.02	117	487	1.499	ug/l #	10
52) Toluene	10.49	92	1038	2.398	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.55	75	4430	93.252	ug/l #	18

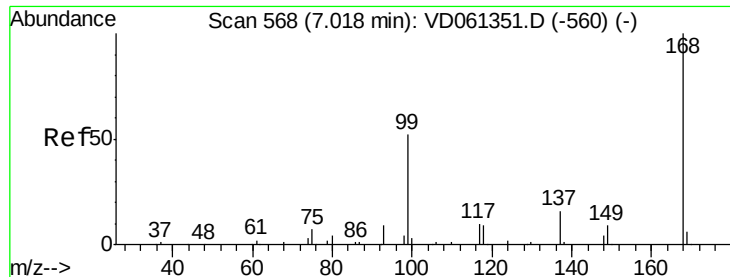
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD061625.D

Acq: 5 Apr 2019 17:12

Instrument :

MSVOA_D

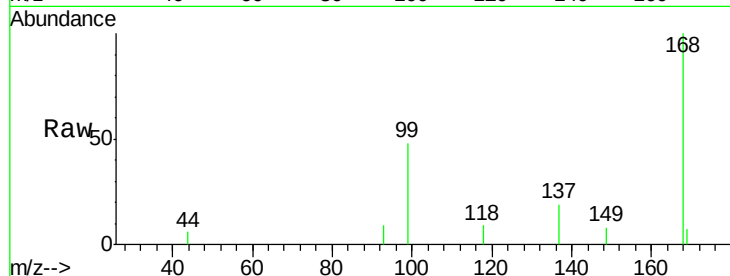
ClientSampleId :

Tot Ion:168 Resp: 14031

Ion Ratio Lower Upper

168 100

99 48.1 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

6000

5000

4000

3000

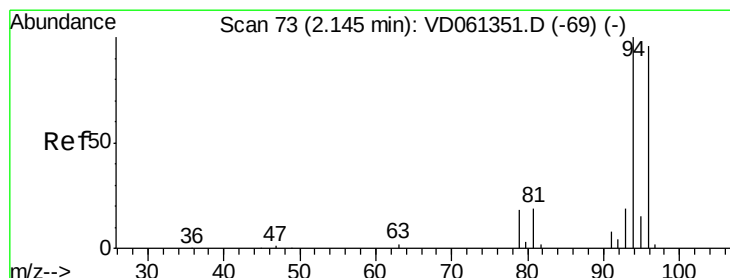
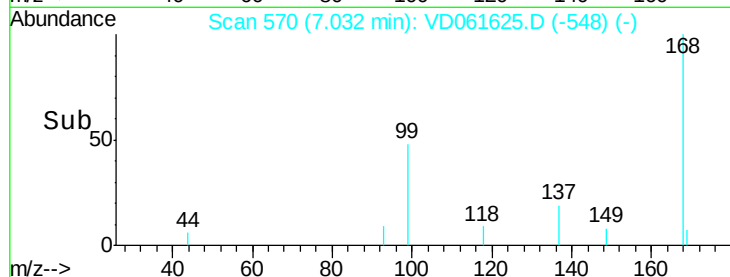
2000

1000

0

6.95 7.00 7.05 7.10

Time-->



#5

Bromomethane

Concen: 36.629 ug/l

RT: 2.19 min Scan# 78

Delta R.T. 0.04 min

Lab File: VD061625.D

Acq: 5 Apr 2019 17:12

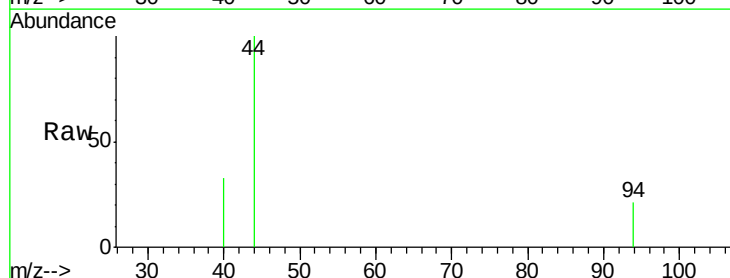
Tgt Ion: 94 Resp: 815

Ion Ratio Lower Upper

94 100

96 0.0 78.3 117.5#

93 0.0 15.6 23.4#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2.19

600

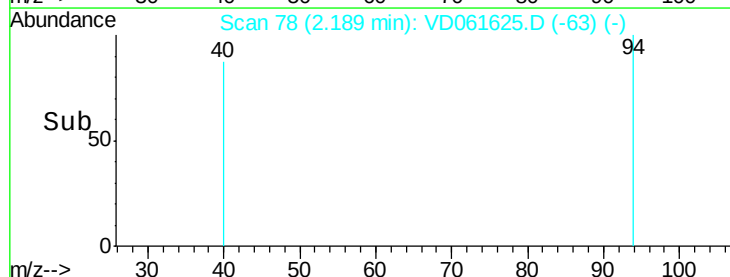
400

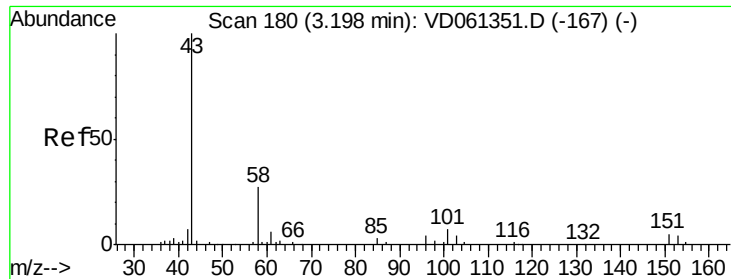
200

0

2.14 2.16 2.18 2.20

Time-->





#16

Acetone

Concen: 157.538 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD061625.D

Acq: 5 Apr 2019 17:12

Instrument :

MSVOA_D

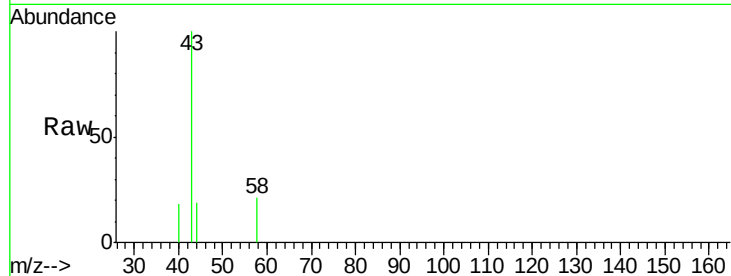
ClientSampleId :

Tot Ion: 43 Resp: 4854

Ion Ratio Lower Upper

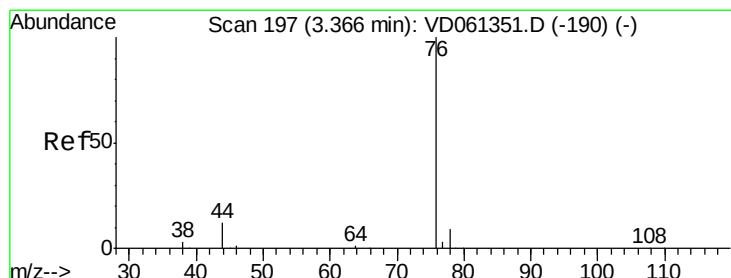
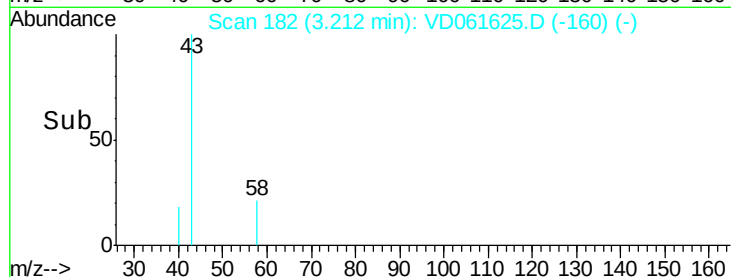
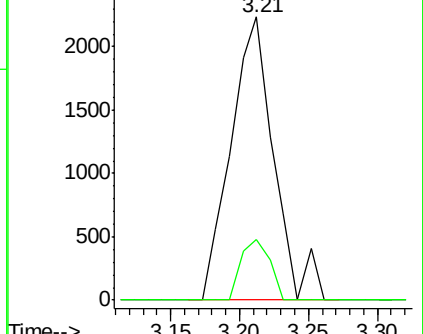
43 100

58 21.4 21.5 32.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 2.691 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD061625.D

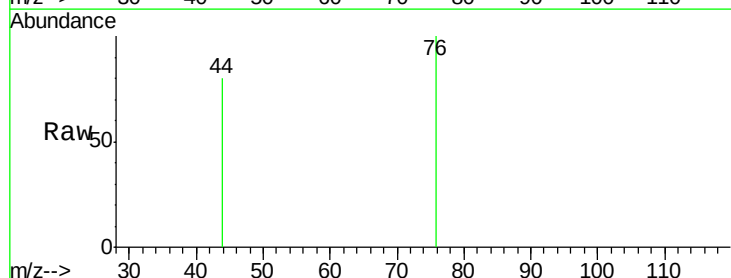
Acq: 5 Apr 2019 17:12

Tgt Ion: 76 Resp: 1317

Ion Ratio Lower Upper

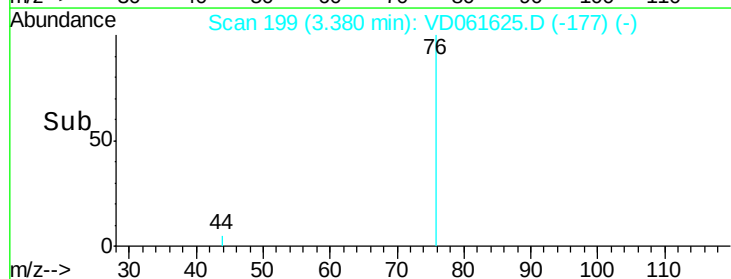
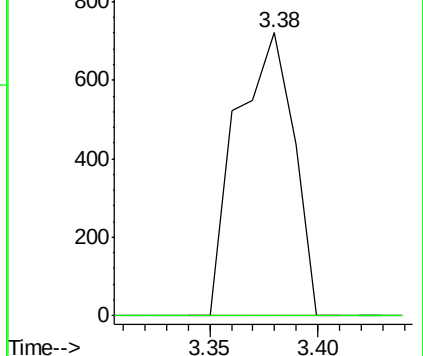
76 100

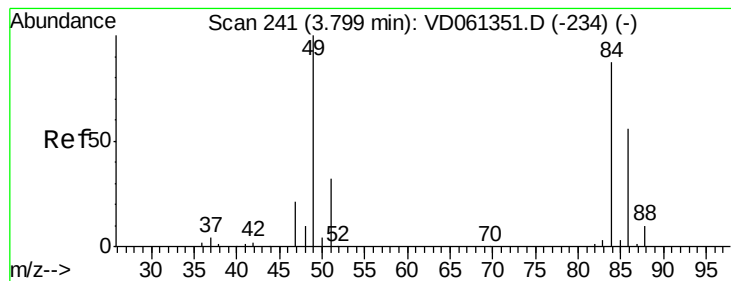
78 0.0 7.1 10.7#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC





#20

Methylene Chloride

Concen: 7.414 ug/l

RT: 3.80 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD061625.D

Acq: 5 Apr 2019 17:12

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 84 Resp: 1562

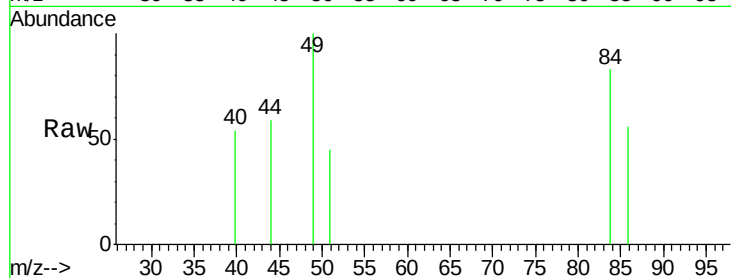
Ion Ratio Lower Upper

84 100

49 120.1 91.8 137.8

51 53.7 29.8 44.8#

86 67.7 51.8 77.6

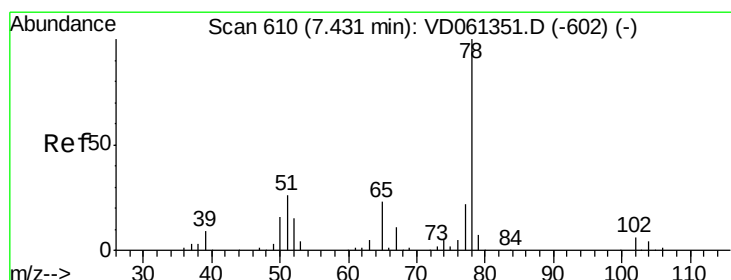
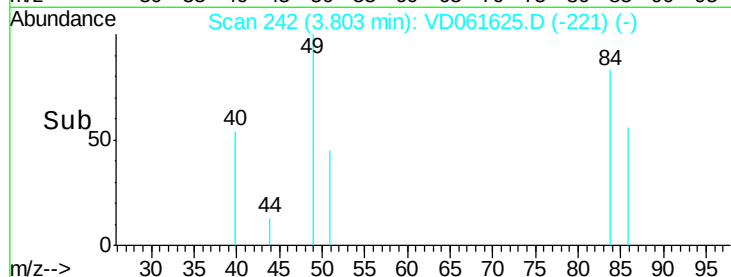
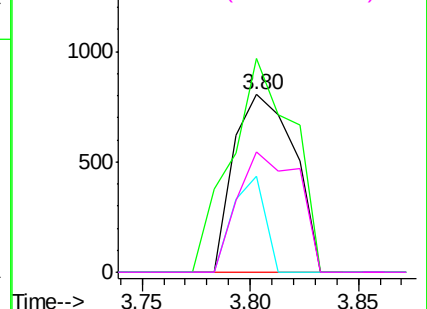


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD061625.D

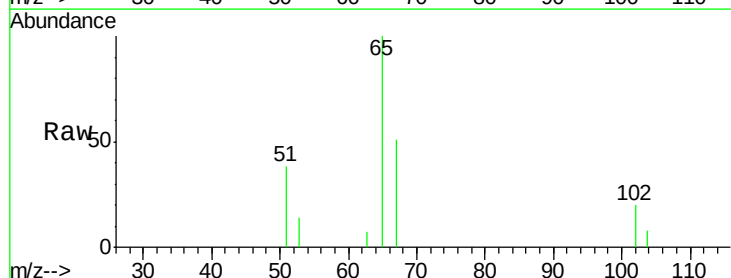
Acq: 5 Apr 2019 17:12

Tgt Ion: 65 Resp: 11999

Ion Ratio Lower Upper

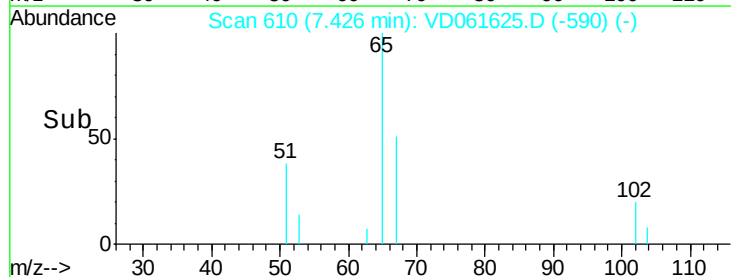
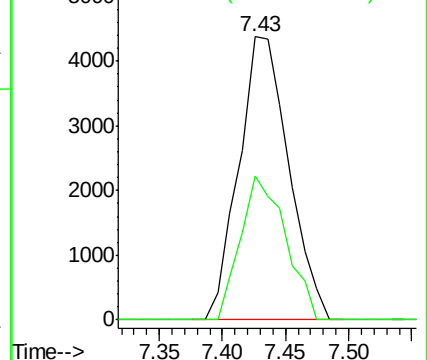
65 100

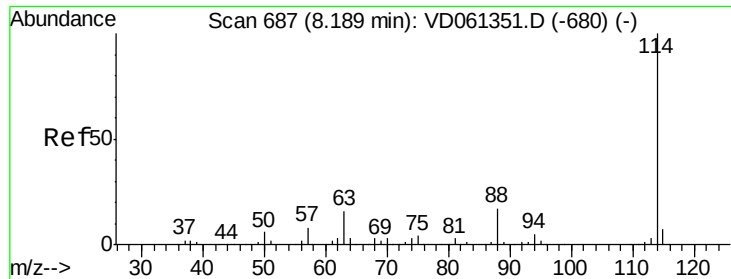
67 50.6 0.0 99.8



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: 8.20 min Scan# 689

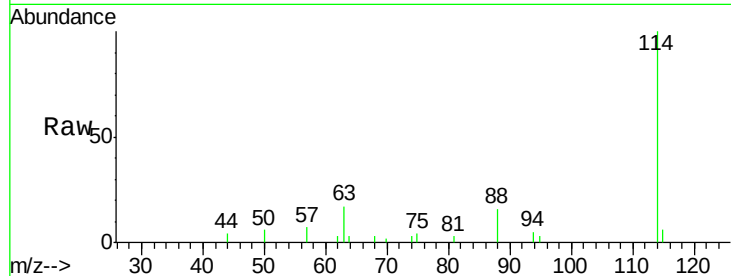
Delta R.T. 0.01 min

Lab File: VD061625.D

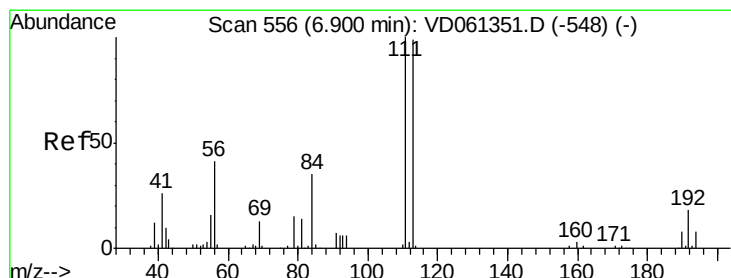
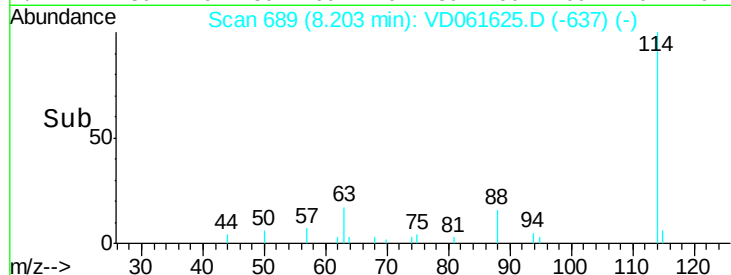
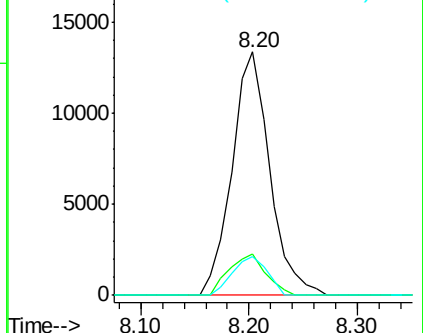
Acq: 5 Apr 2019 17:12

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114	Resp:	32394
Ion Ratio	Lower	Upper
114	100	
63	17.1	0.0 31.6
88	15.8	0.0 33.4



Abundance Ion 114.00 (113.70 to 114.70): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

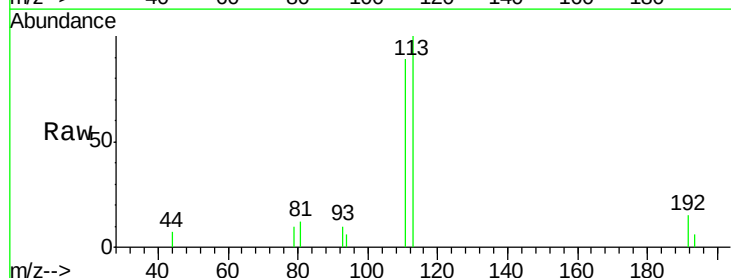
RT: 6.90 min Scan# 557

Delta R.T. 0.00 min

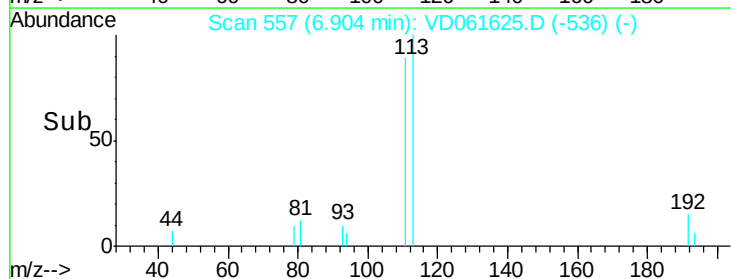
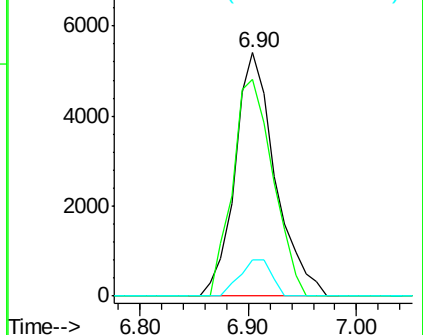
Lab File: VD061625.D

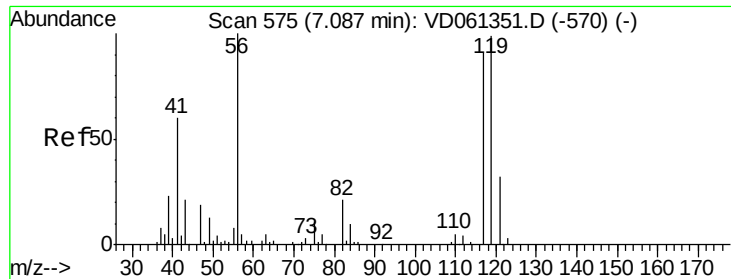
Acq: 5 Apr 2019 17:12

Tgt Ion:113	Resp:	13980
Ion Ratio	Lower	Upper
113	100	
111	89.0	81.0 121.6
192	15.0	14.4 21.6



Abundance Ion 112.90 (112.60 to 113.60): V

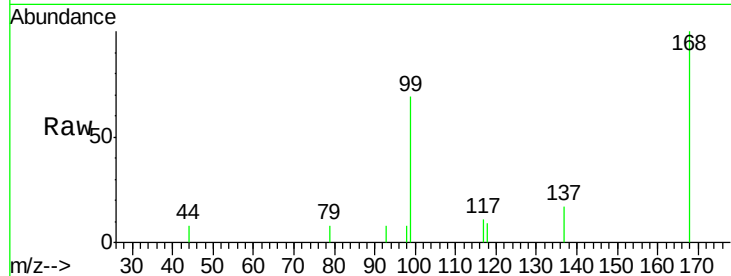




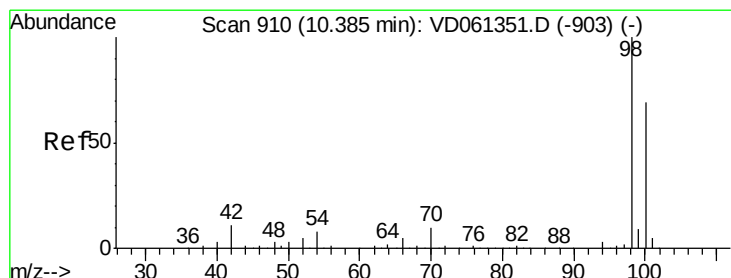
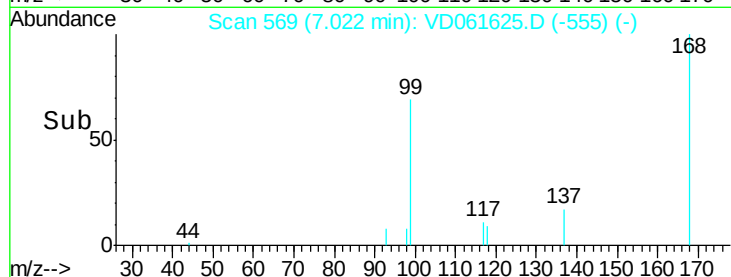
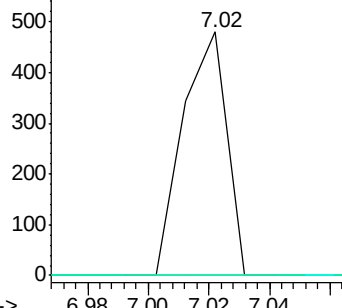
#38
Carbon Tetrachloride
Concen: 1.499 ug/l
RT: 7.02 min Scan# 569
Delta R.T. -0.06 min
Lab File: VD061625.D
Acq: 5 Apr 2019 17:12

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 487
Ion Ratio Lower Upper
117 100
119 0.0 80.1 120.1#
121 0.0 25.6 38.4#

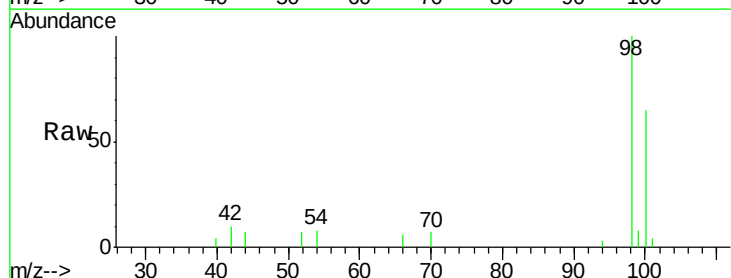


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

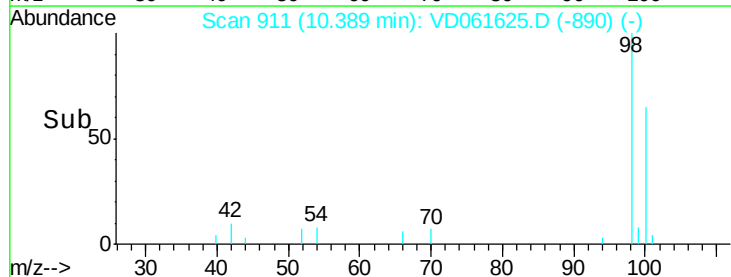
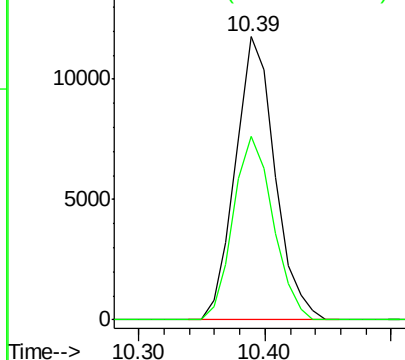


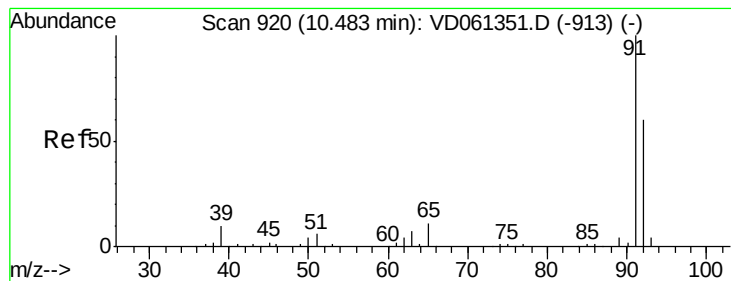
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.00 min
Lab File: VD061625.D
Acq: 5 Apr 2019 17:12

Tgt Ion: 98 Resp: 25590
Ion Ratio Lower Upper
98 100
100 64.8 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 2.398 ug/l

RT: 10.49 min Scan# 921

Delta R.T. 0.00 min

Lab File: VD061625.D

Acq: 5 Apr 2019 17:12

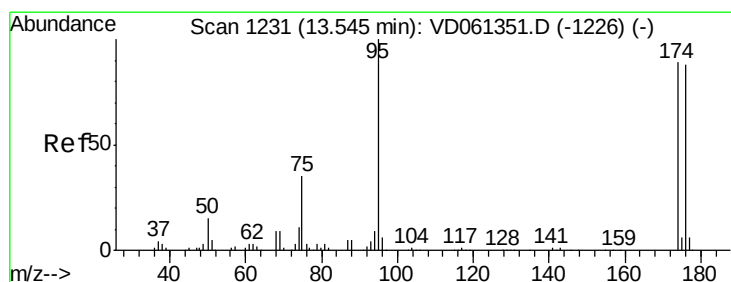
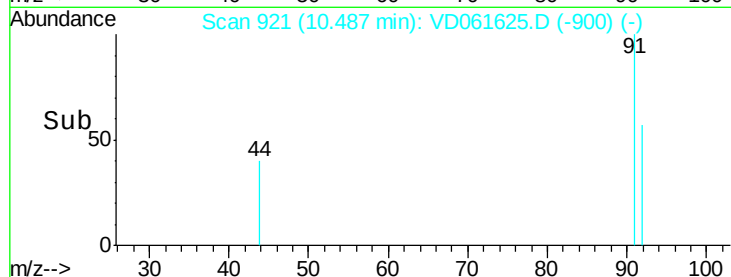
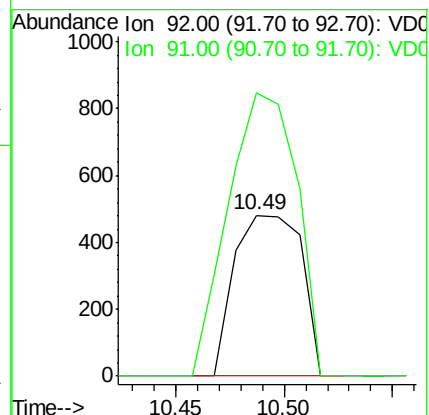
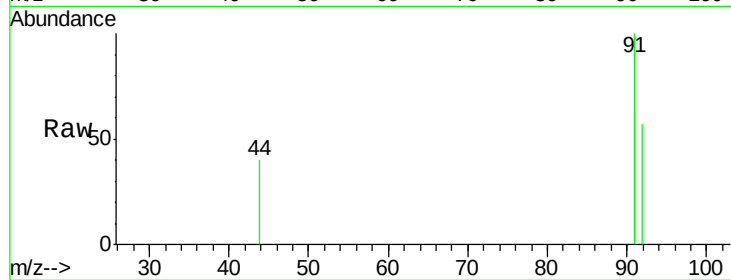
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 92 Resp: 1038

Ion Ratio Lower Upper

92 100

91 175.7 133.3 199.9



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061625.D

Acq: 5 Apr 2019 17:12

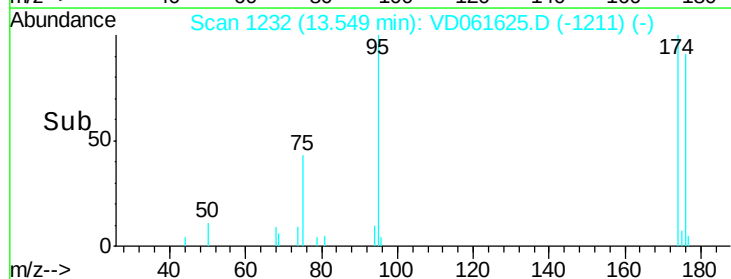
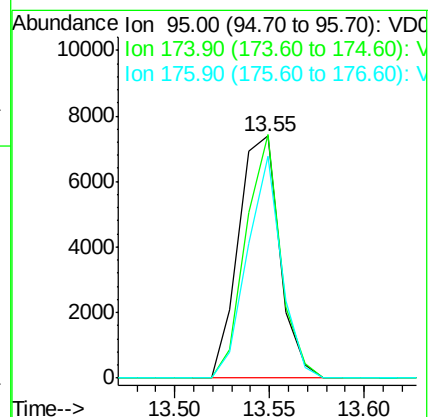
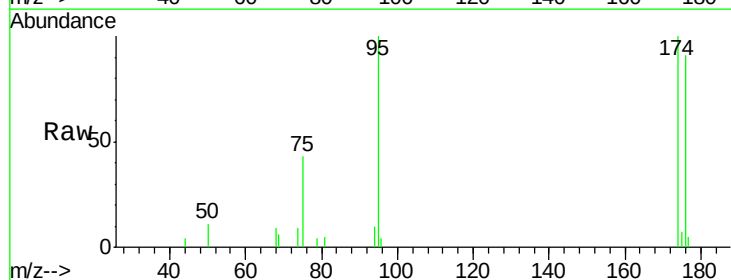
Tgt Ion: 95 Resp: 11107

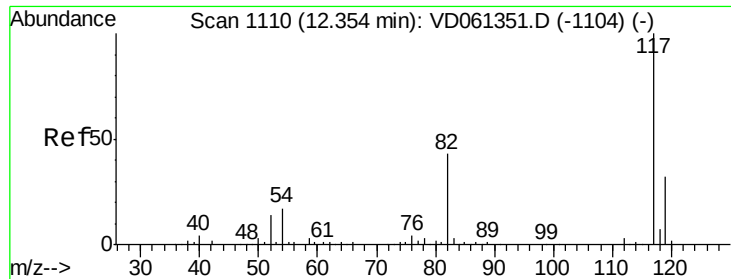
Ion Ratio Lower Upper

95 100

174 100.5 0.0 178.0

176 91.8 0.0 175.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD061625.D

Acq: 5 Apr 2019 17:12

Instrument :

MSVOA_D

ClientSampleId :

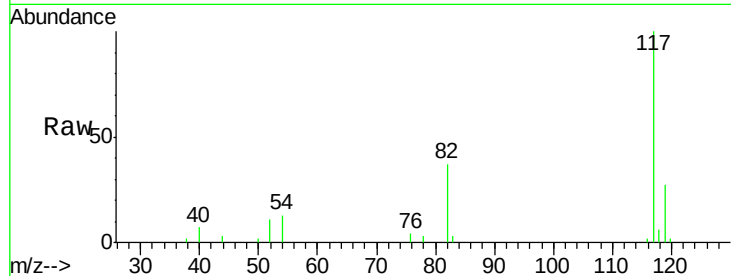
Tot Ion:117 Resp: 28167

Ion Ratio Lower Upper

117 100

82 37.0 34.4 51.6

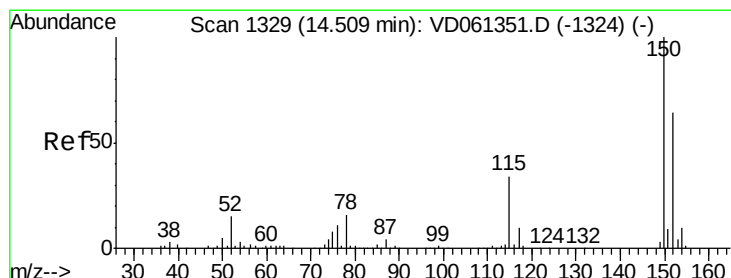
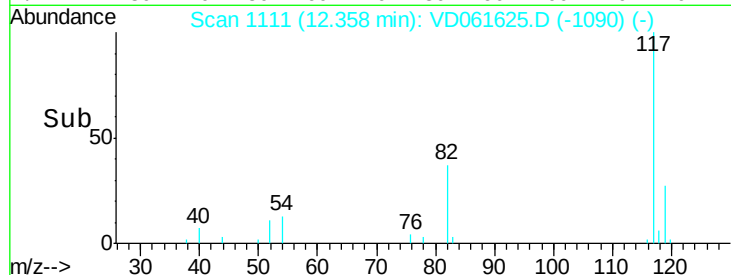
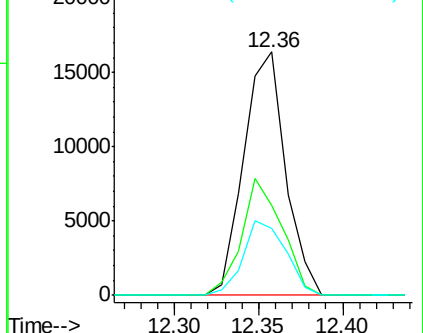
119 27.3 25.8 38.6



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: 14.51 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061625.D

Acq: 5 Apr 2019 17:12

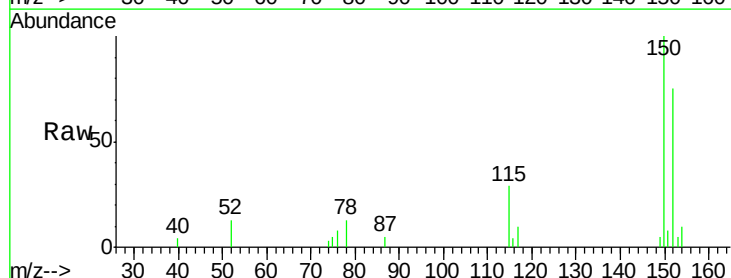
Tgt Ion:152 Resp: 10786

Ion Ratio Lower Upper

152 100

115 39.3 26.9 80.6

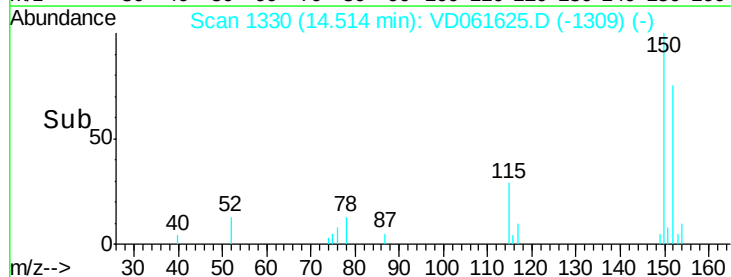
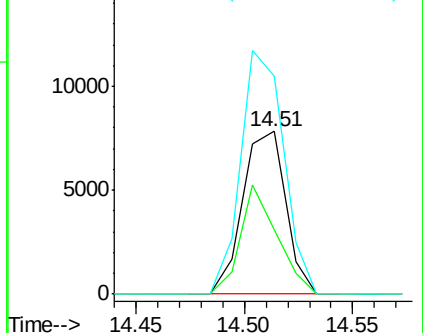
150 134.2 0.0 318.0

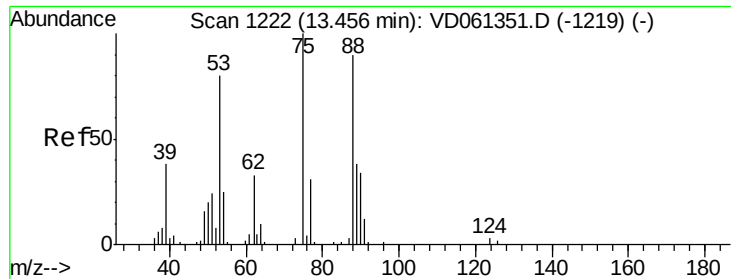


Abundance Ion 151.90 (151.60 to 152.60): V

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: 93.252 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD061625.D

Acq: 5 Apr 2019 17:12

Instrument :

MSVOA_D

ClientSampleId :

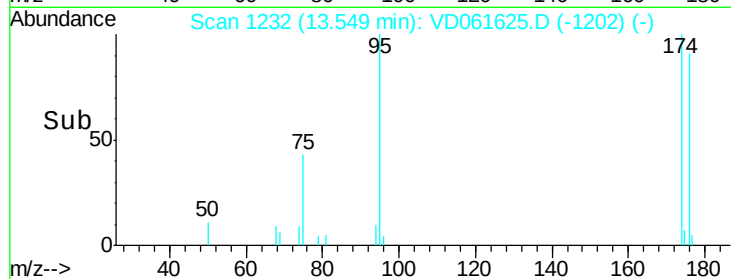
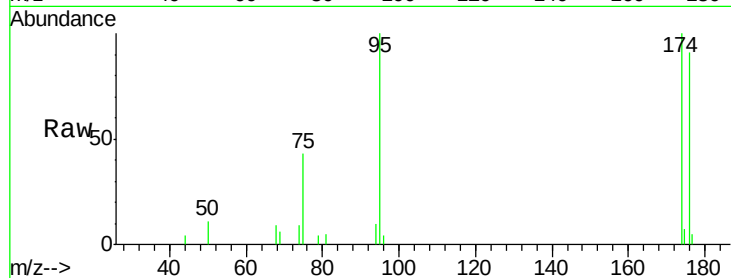
Tot Ion: 75 Resp: 4430

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#



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

