

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD042319\
 Data File : VD061974.D
 Acq On : 23 Apr 2019 17:10
 Operator : VA/AP
 Sample : K2203-15
 Misc : 6.79g/5ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-041819-B

Quant Time: Apr 23 17:33:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

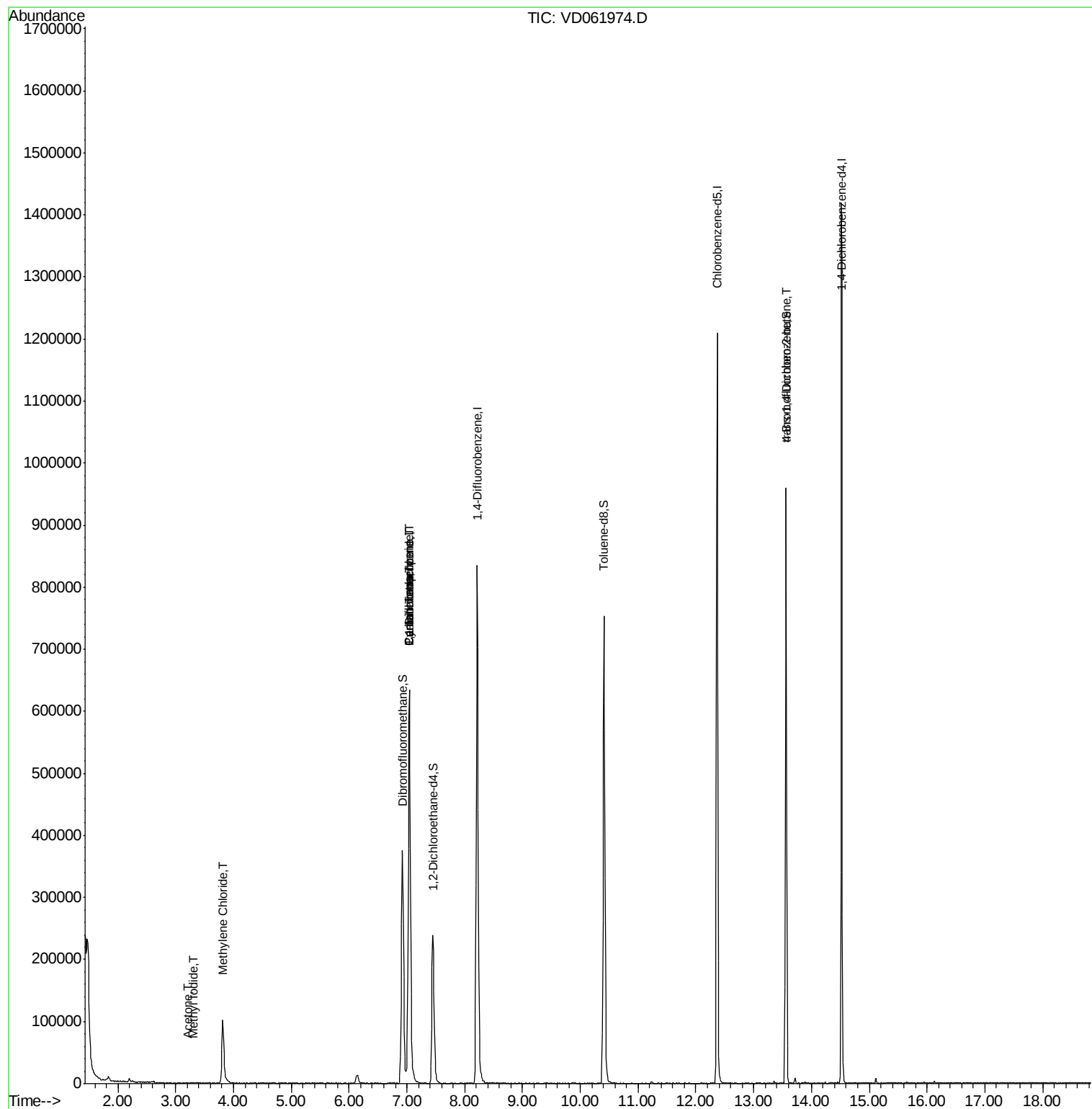
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	633375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	980273	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	760717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	366588	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	232594	46.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.84%	
35) Dibromofluoromethane	6.91	113	357372	52.71	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	105.42%	
50) Toluene-d8	10.41	98	650059	40.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.60%	
62) 4-Bromofluorobenzene	13.56	95	296981	45.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.80%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	3.31	142	214	5.449	ug/l #	37
16) Acetone	3.20	43	1812	1.531	ug/l #	50
20) Methylene Chloride	3.81	84	74586	10.420	ug/l	97
31) Cyclohexane	7.04	56	9542	1.292	ug/l #	1
36) 1,1-Dichloropropene	7.03	75	46251	6.056	ug/l #	45
38) Carbon Tetrachloride	7.04	117	60729	6.275	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.56	75	109783	77.823	ug/l #	16

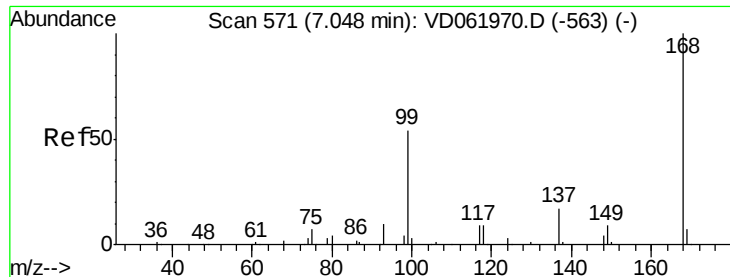
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD061974.D

Acq: 23 Apr 2019 17:10

Instrument :

MSVOA_D

ClientSampleId :

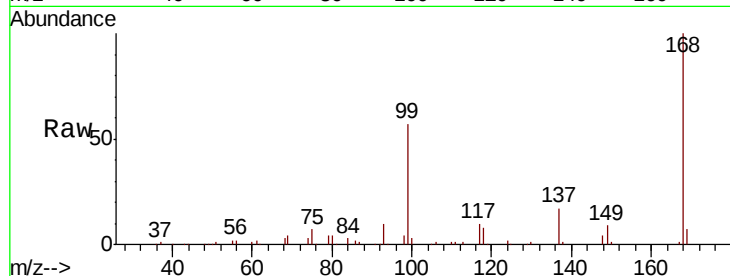
SU-02-041819-B

Tgt Ion:168 Resp: 633375

Ion Ratio Lower Upper

168 100

99 57.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.04

250000

200000

150000

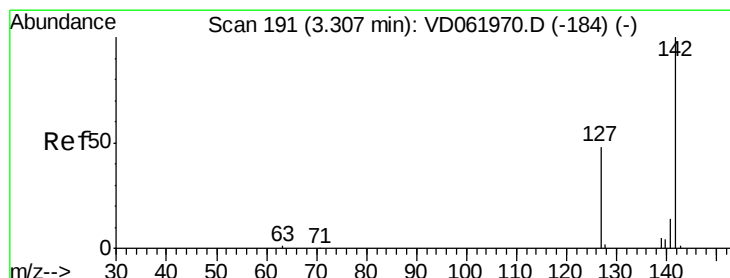
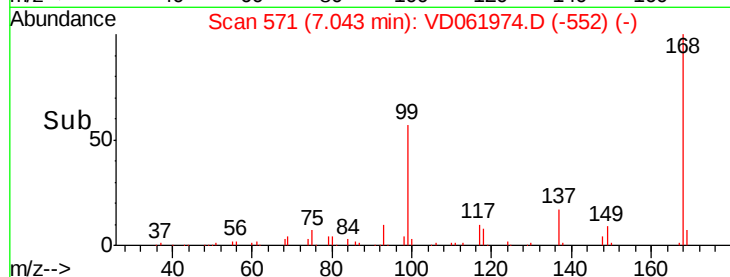
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 5.449 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD061974.D

Acq: 23 Apr 2019 17:10

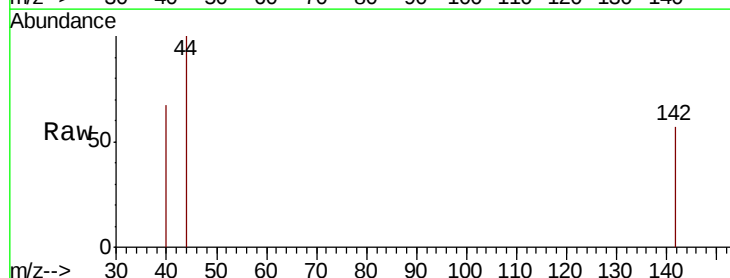
Tgt Ion:142 Resp: 214

Ion Ratio Lower Upper

142 100

127 0.0 38.8 58.2#

141 0.0 11.4 17.0#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.31

500

400

300

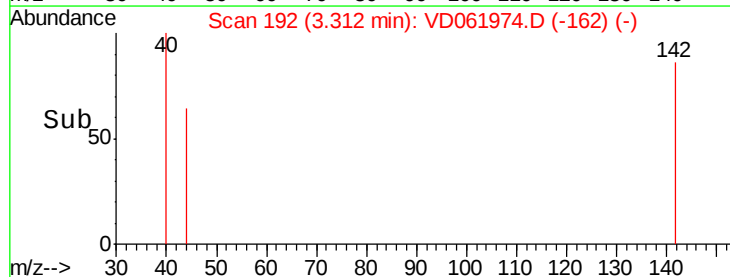
200

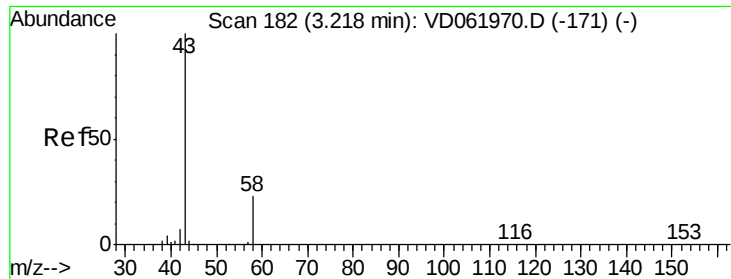
100

0

Time-->

3.28 3.30 3.32





#16

Acetone

Concen: 1.531 ug/l

RT: 3.20 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD061974.D

Acq: 23 Apr 2019 17:10

Instrument :

MSVOA_D

ClientSampleId :

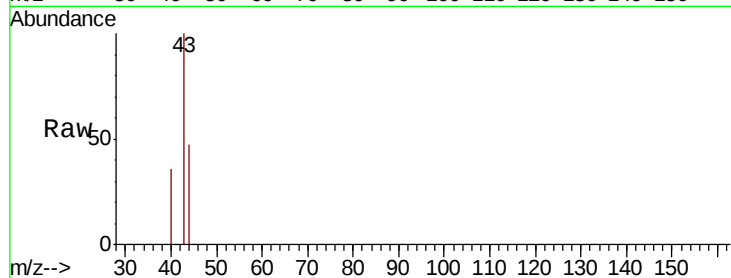
SU-02-041819-B

Tgt Ion: 43 Resp: 1812

Ion Ratio Lower Upper

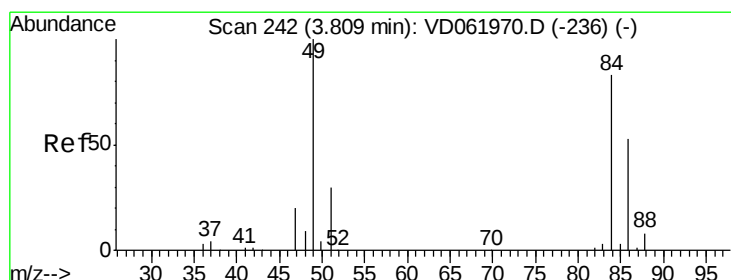
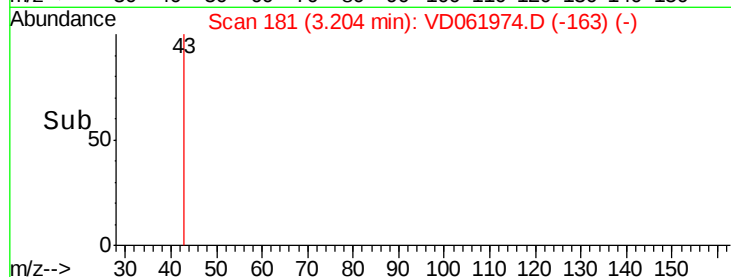
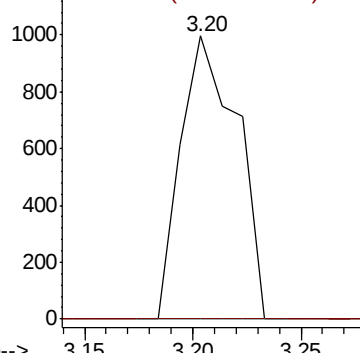
43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 10.420 ug/l

RT: 3.81 min Scan# 243

Delta R.T. -0.01 min

Lab File: VD061974.D

Acq: 23 Apr 2019 17:10

Tgt Ion: 84 Resp: 74586

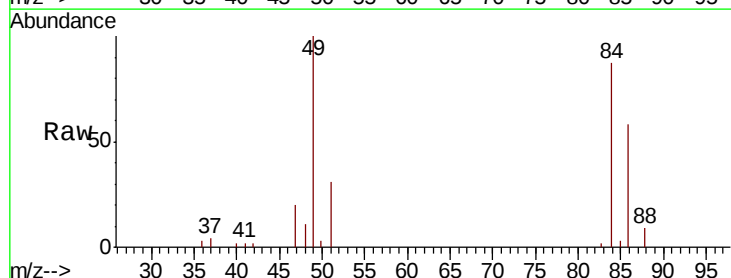
Ion Ratio Lower Upper

84 100

49 114.7 94.0 141.0

51 35.4 29.0 43.4

86 66.9 49.8 74.6

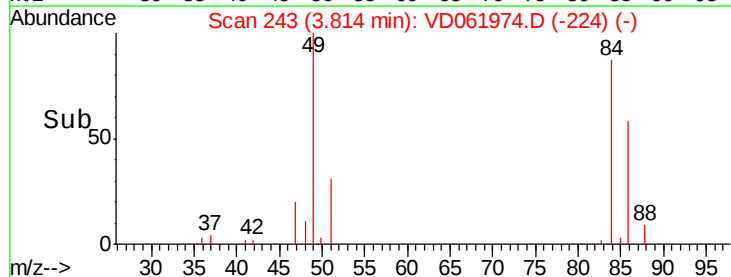
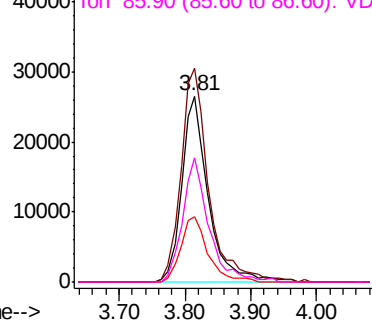


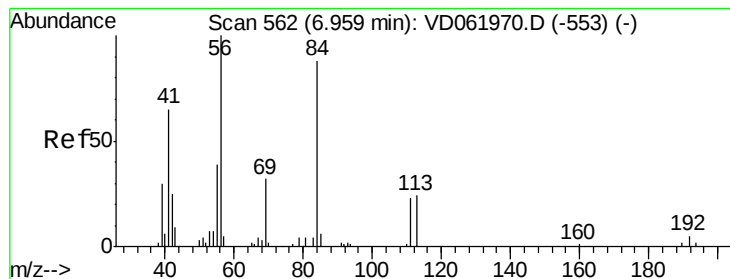
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#31

Cyclohexane

Concen: 1.292 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.08 min

Lab File: VD061974.D

Acq: 23 Apr 2019 17:10

Instrument :

MSVOA_D

ClientSampleId :

SU-02-041819-B

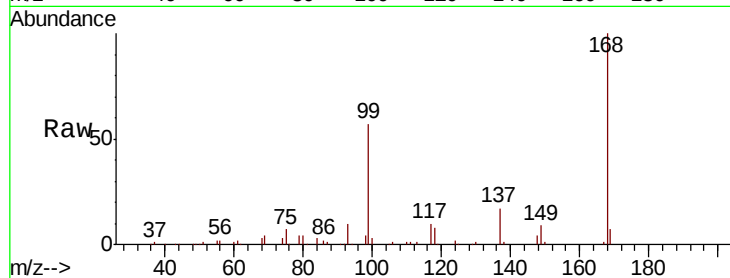
Tgt Ion: 56 Resp: 9542

Ion Ratio Lower Upper

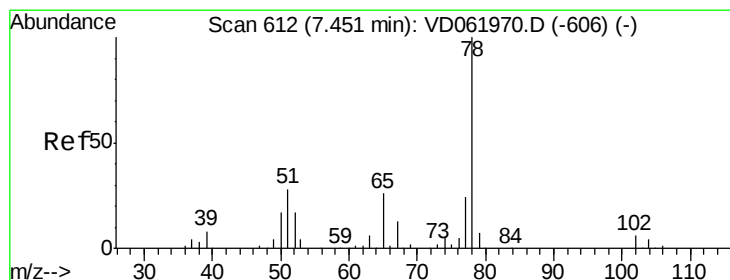
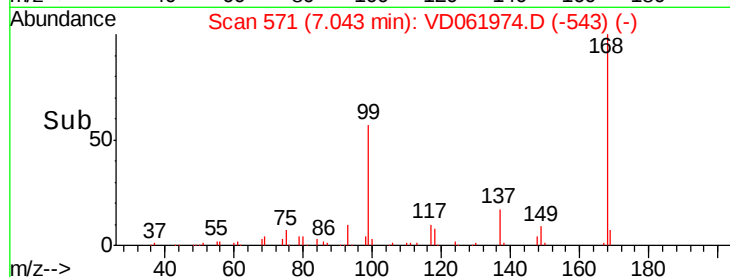
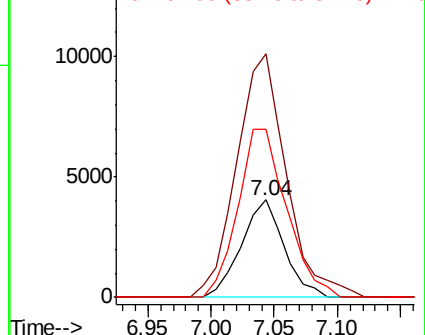
56 100

69 250.0 25.8 38.6#

84 172.5 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: N.D. ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD061974.D

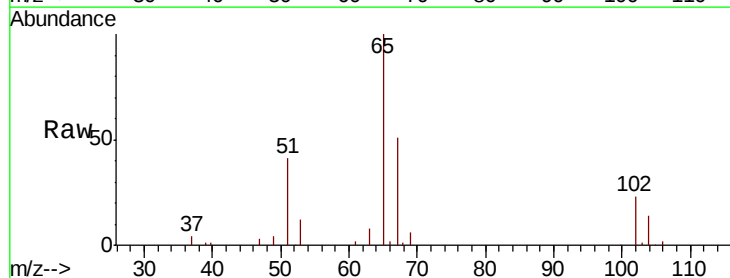
Acq: 23 Apr 2019 17:10

Tgt Ion: 65 Resp: 232594

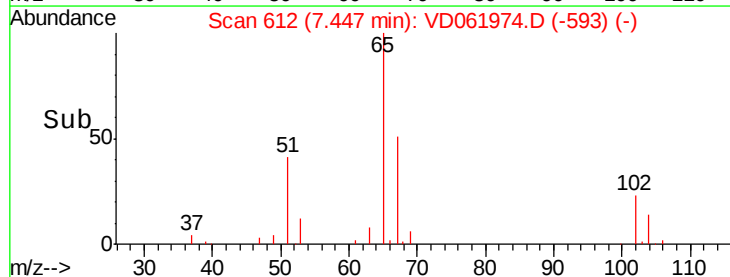
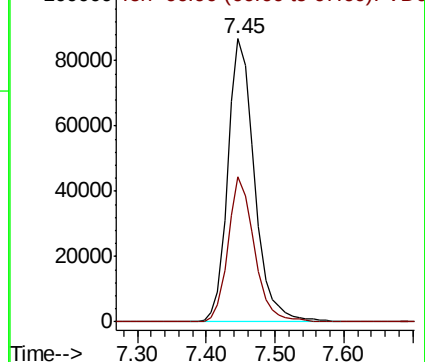
Ion Ratio Lower Upper

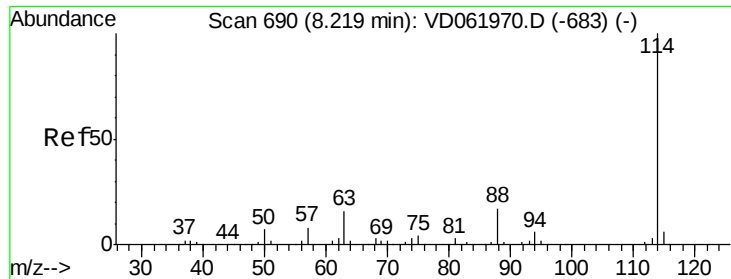
65 100

67 51.1 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

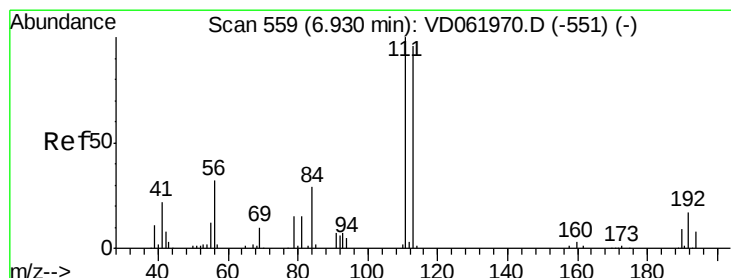
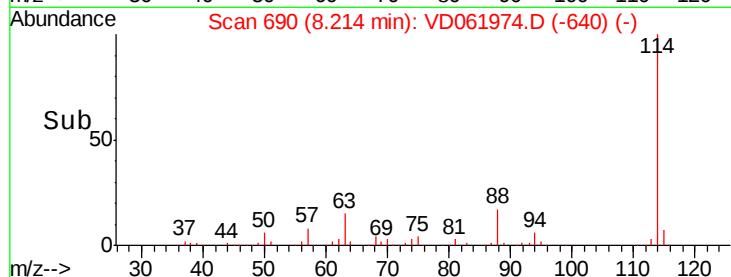
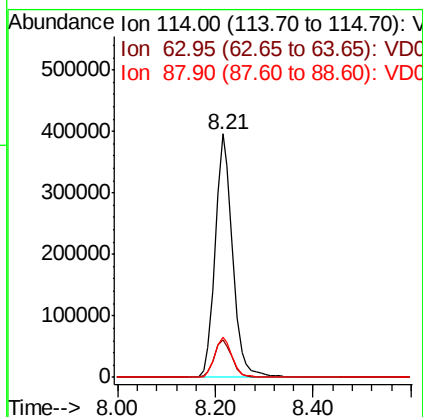
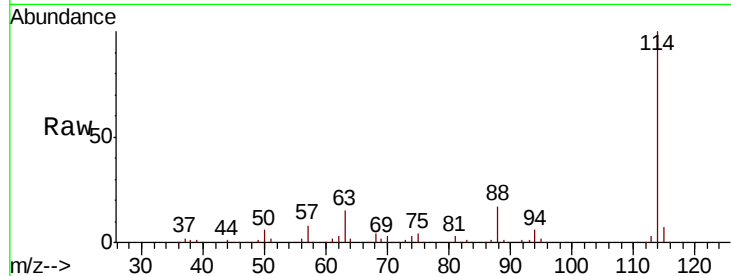




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD061974.D
 Acq: 23 Apr 2019 17:10

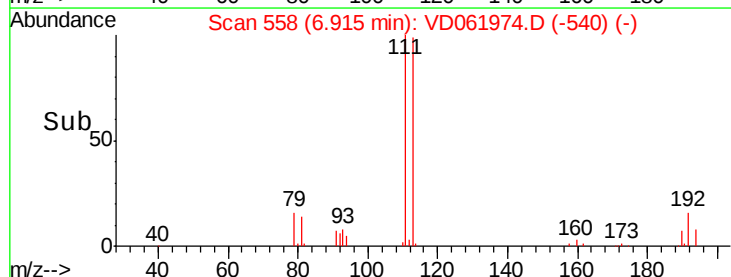
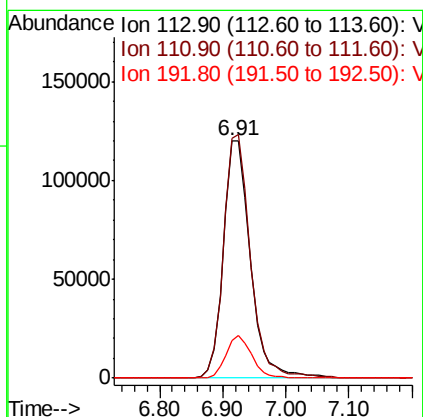
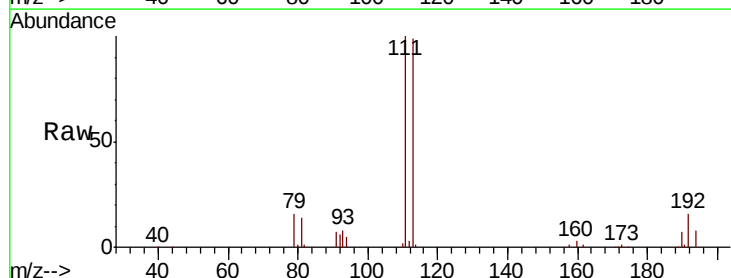
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-041819-B

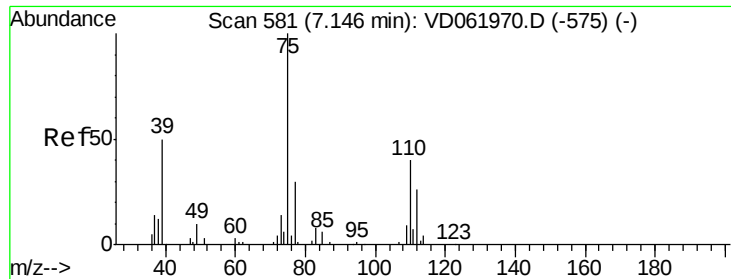
Tgt Ion:114 Resp: 980273
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 32.4
 88 16.5 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD061974.D
 Acq: 23 Apr 2019 17:10

Tgt Ion:113 Resp: 357372
 Ion Ratio Lower Upper
 113 100
 111 100.7 78.5 117.7
 192 16.0 13.0 19.4





#36

1,1-Dichloropropene

Concen: 6.056 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.12 min

Lab File: VD061974.D

Acq: 23 Apr 2019 17:10

Instrument :

MSVOA_D

ClientSampleId :

SU-02-041819-B

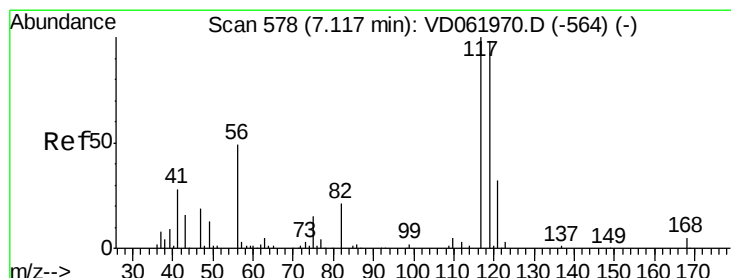
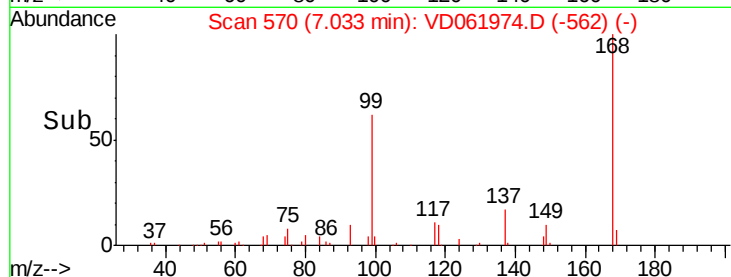
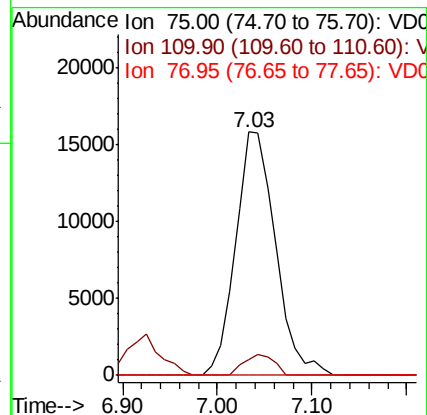
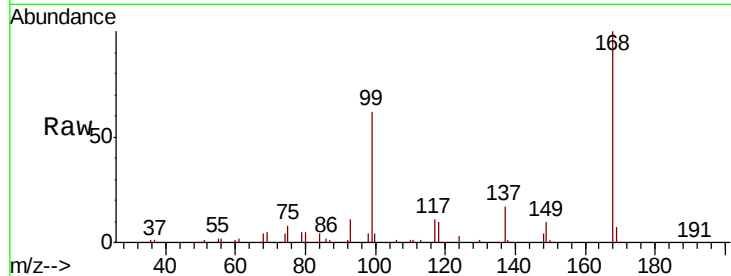
Tgt Ion: 75 Resp: 46251

Ion Ratio Lower Upper

75 100

110 6.3 19.1 57.1#

77 0.0 25.6 38.4#



#38

Carbon Tetrachloride

Concen: 6.275 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD061974.D

Acq: 23 Apr 2019 17:10

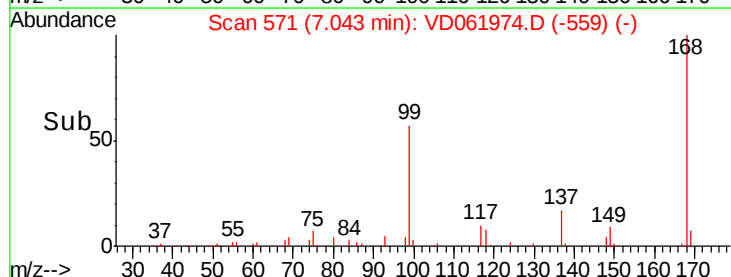
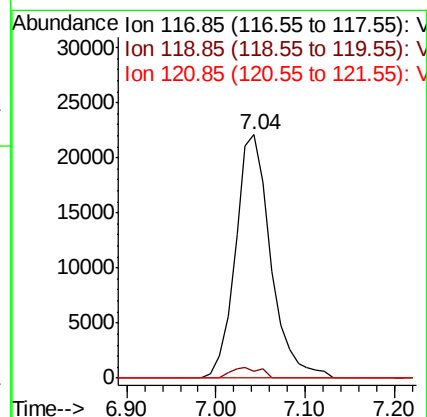
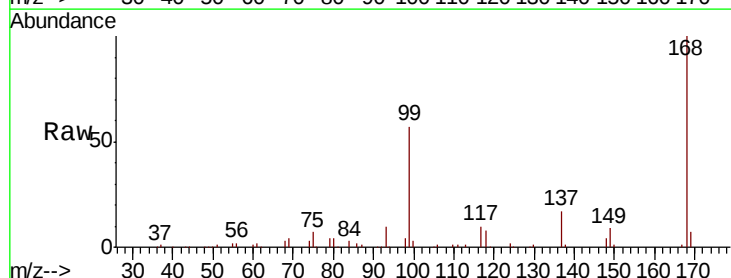
Tgt Ion: 117 Resp: 60729

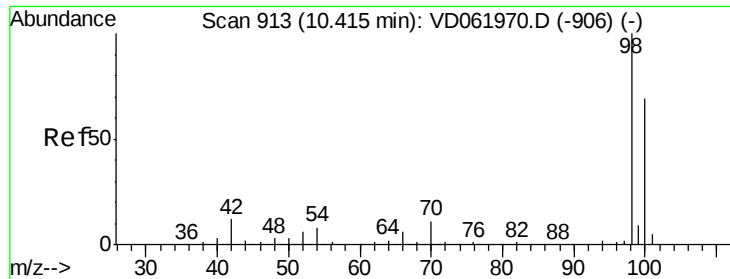
Ion Ratio Lower Upper

117 100

119 3.0 75.8 113.8#

121 0.0 25.9 38.9#

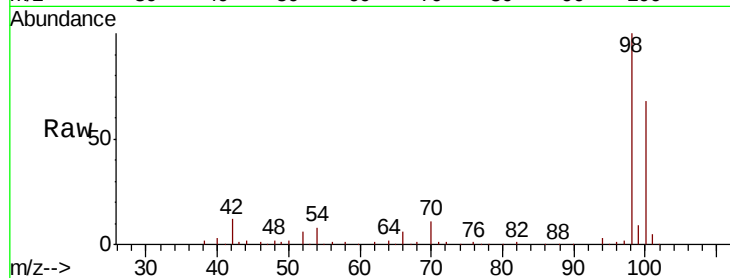




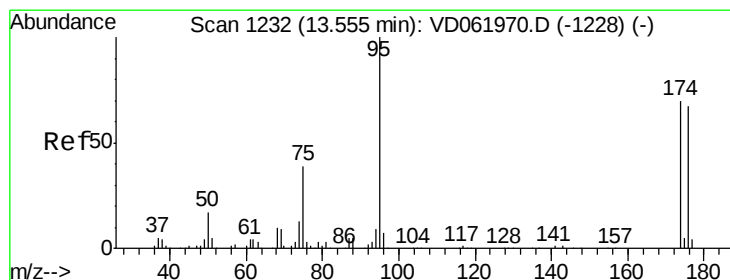
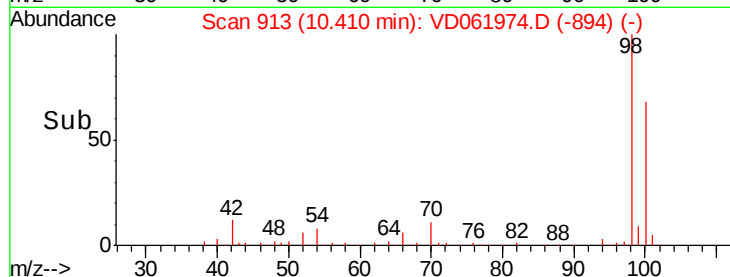
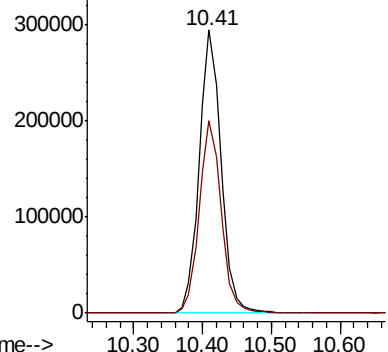
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD061974.D
Acq: 23 Apr 2019 17:10

Instrument :
MSVOA_D
ClientSampleId :
SU-02-041819-B

Tgt Ion: 98 Resp: 650059
Ion Ratio Lower Upper
98 100
100 67.9 53.8 80.8

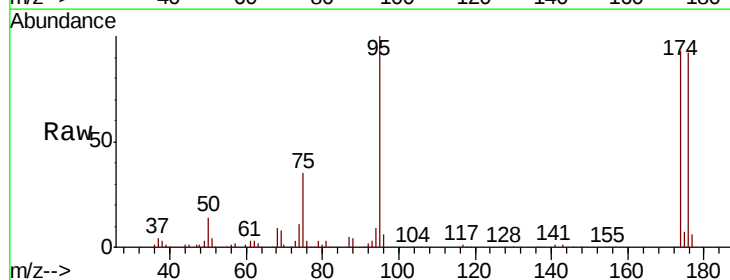


Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)
Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)

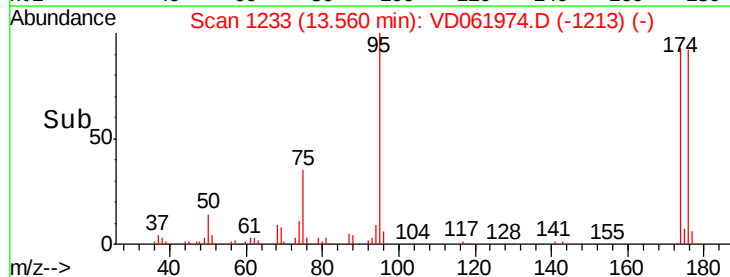
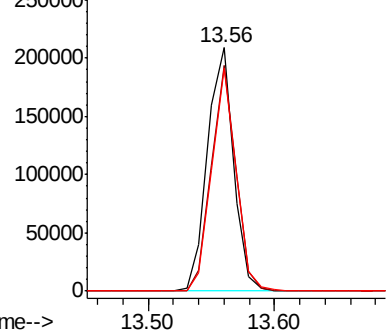


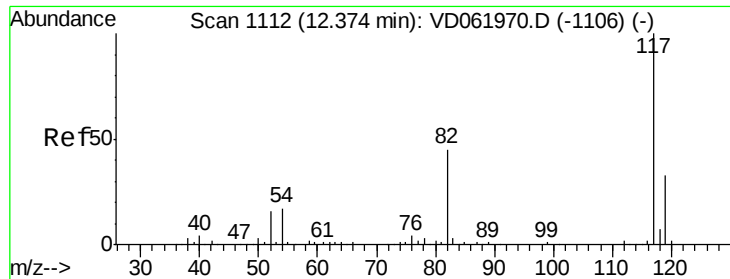
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VD061974.D
Acq: 23 Apr 2019 17:10

Tgt Ion: 95 Resp: 296981
Ion Ratio Lower Upper
95 100
174 92.7 0.0 181.8
176 91.7 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD061970.D (-1228) (-)
Ion 173.90 (173.60 to 174.60): VD061970.D (-1228) (-)
Ion 175.90 (175.60 to 176.60): VD061970.D (-1228) (-)

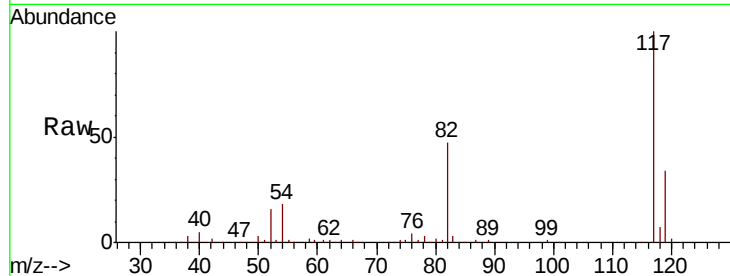




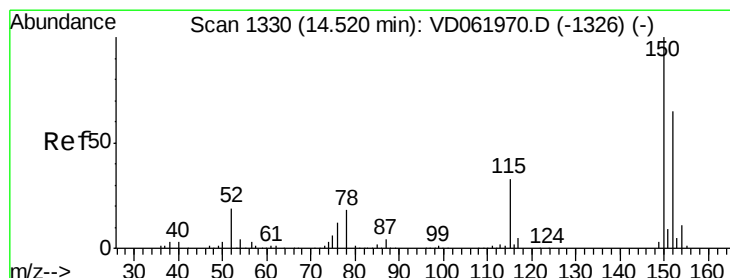
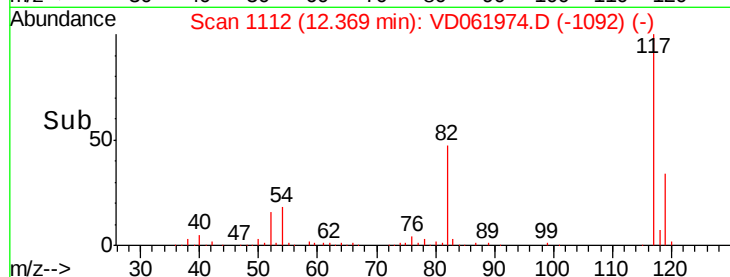
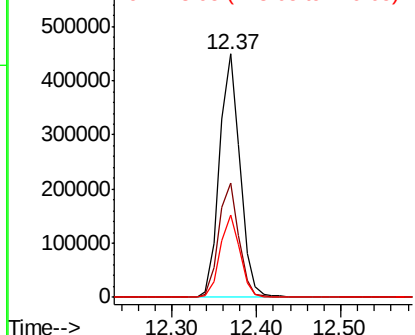
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061974.D
Acq: 23 Apr 2019 17:10

Instrument :
MSVOA_D
ClientSampleId :
SU-02-041819-B

Tgt Ion:117 Resp: 760717
Ion Ratio Lower Upper
117 100
82 47.2 36.2 54.2
119 33.8 26.2 39.4

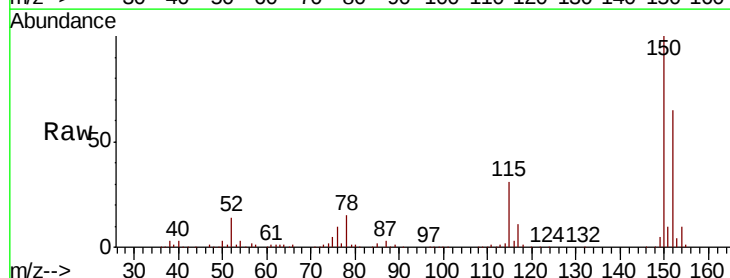


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

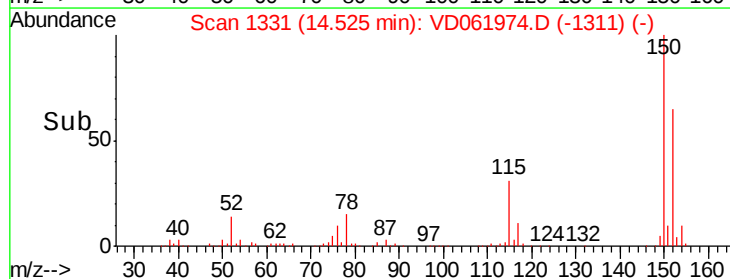
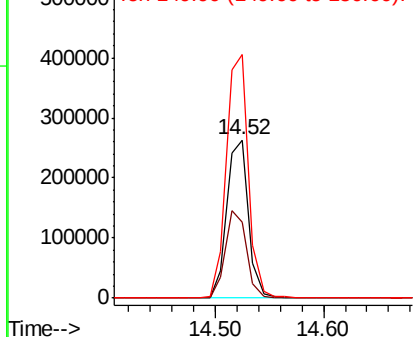


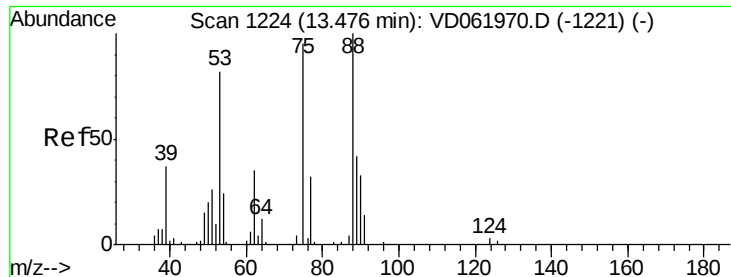
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VD061974.D
Acq: 23 Apr 2019 17:10

Tgt Ion:152 Resp: 366588
Ion Ratio Lower Upper
152 100
115 48.4 30.9 92.7
150 154.0 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





#81

trans-1,4-Dichloro-2-butene

Concen: 77.823 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD061974.D

Acq: 23 Apr 2019 17:10

Instrument :

MSVOA_D

ClientSampleId :

SU-02-041819-B

Tgt Ion: 75 Resp: 109783

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

