

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD042519\
 Data File : VD062036.D
 Acq On : 25 Apr 2019 13:55
 Operator : VA/AP
 Sample : K2532-22RE
 Misc : 4.25g/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4-2

Quant Time: Apr 25 14:56:16 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	476026	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	780649	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	717175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	337097	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	205026	55.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.06%	
35) Dibromofluoromethane	6.92	113	280032	51.87	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	103.74%	
50) Toluene-d8	10.40	98	701789	54.63	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	109.26%	
62) 4-Bromofluorobenzene	13.55	95	307168	59.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.22%	

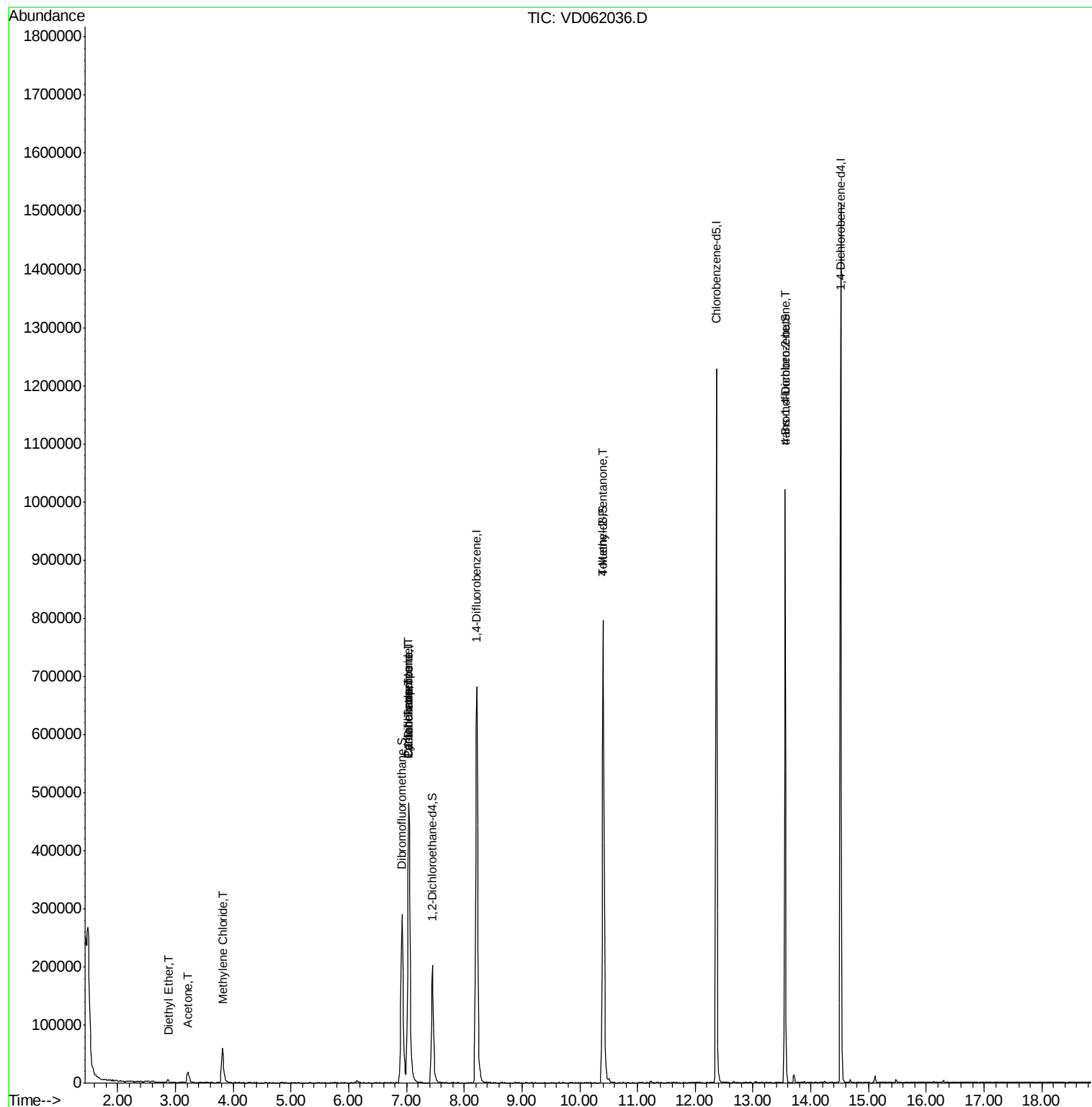
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	416	Below Cal	#	12
8) Diethyl Ether	2.86	74	2163	1.630	ug/l	84
16) Acetone	3.22	43	37442	42.090	ug/l	100
20) Methylene Chloride	3.82	84	45191	7.740	ug/l	87
31) Cyclohexane	7.04	56	8207	1.479	ug/l	# 1
36) 1,1-Dichloropropene	7.04	75	36584	6.015	ug/l	# 48
38) Carbon Tetrachloride	7.04	117	48706	6.320	ug/l	# 16
51) 4-Methyl-2-Pentanone	10.40	43	2658	1.148	ug/l	# 1
81) trans-1,4-Dichloro-2-buten	13.55	75	118930	91.682	ug/l	# 16

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

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Quant Time: Apr 25 14:56:16 2019
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# 570

Delta R.T. -0.01 min

Lab File: VD062036.D

Acq: 25 Apr 2019 13:55

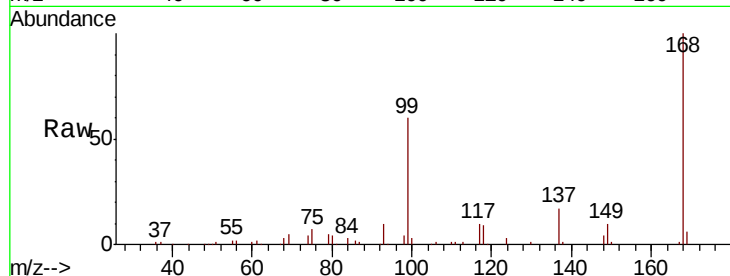
Instrument :
MSVOA_D
ClientSampleId :
TP-4-2

Tgt Ion:168 Resp: 476026

Ion Ratio Lower Upper

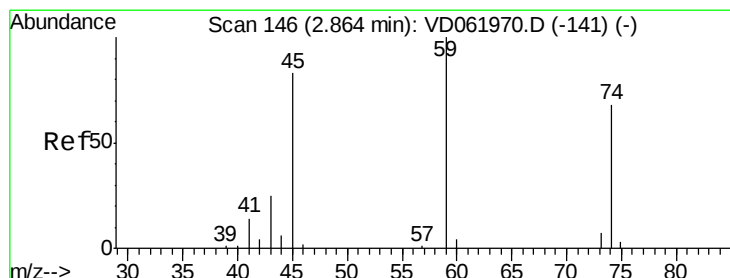
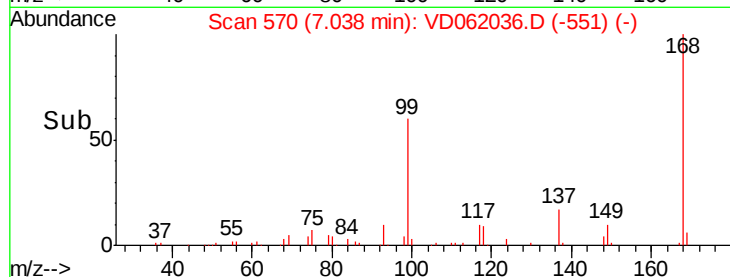
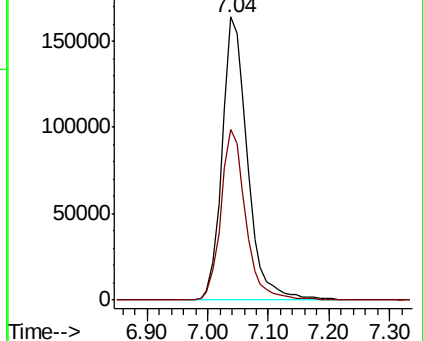
168 100

99 60.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.630 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.01 min

Lab File: VD062036.D

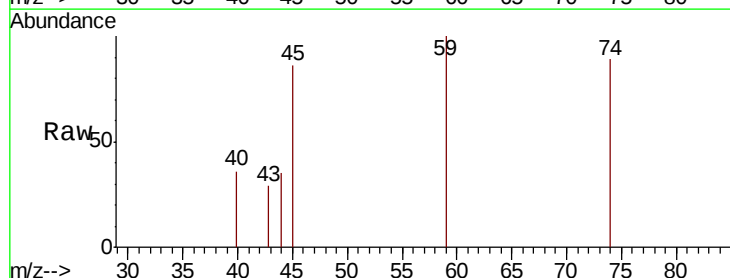
Acq: 25 Apr 2019 13:55

Tgt Ion: 74 Resp: 2163

Ion Ratio Lower Upper

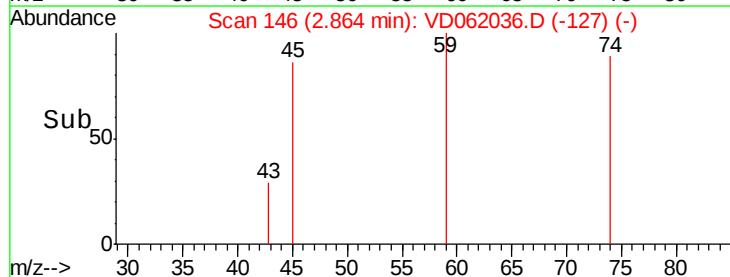
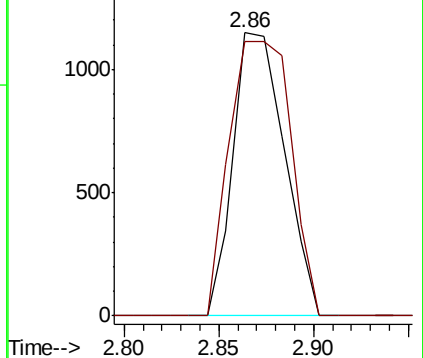
74 100

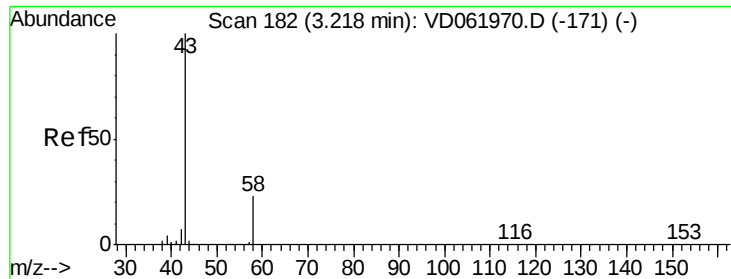
45 96.9 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 42.090 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD062036.D

Acq: 25 Apr 2019 13:55

Instrument :

MSVOA_D

ClientSampleId :

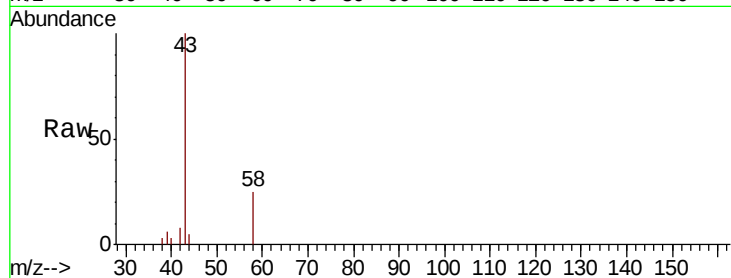
TP-4-2

Tgt Ion: 43 Resp: 37442

Ion Ratio Lower Upper

43 100

58 25.1 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

15000

10000

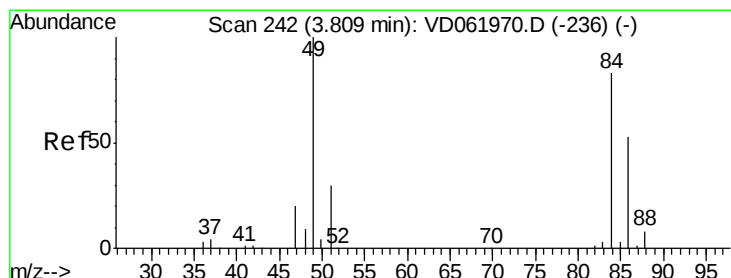
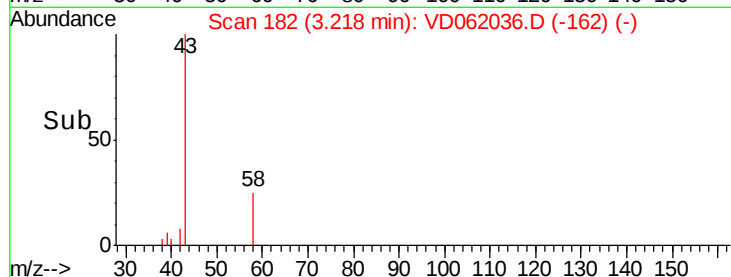
5000

0

Time-->

3.10 3.20 3.30 3.40

3.22



#20

Methylene Chloride

Concen: 7.740 ug/l

RT: 3.82 min Scan# 243

Delta R.T. -0.00 min

Lab File: VD062036.D

Acq: 25 Apr 2019 13:55

Tgt Ion: 84 Resp: 45191

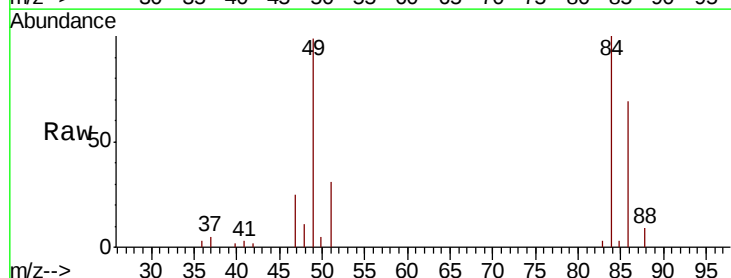
Ion Ratio Lower Upper

84 100

49 98.6 94.0 141.0

51 30.9 29.0 43.4

86 69.0 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

25000

20000

15000

10000

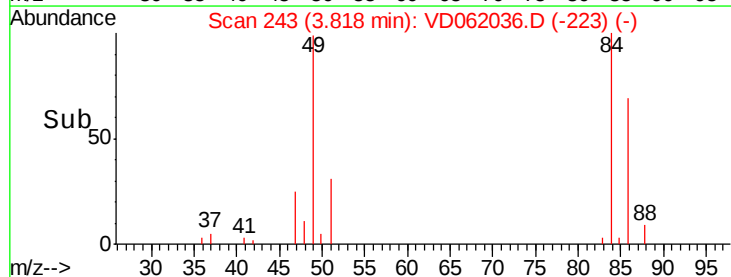
5000

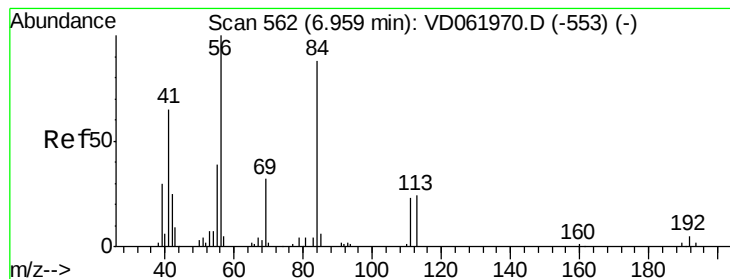
0

Time-->

3.70 3.80 3.90 4.00

3.82





#31

Cyclohexane

Concen: 1.479 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.07 min

Lab File: VD062036.D

Acq: 25 Apr 2019 13:55

Instrument :

MSVOA_D

ClientSampleID :

TP-4-2

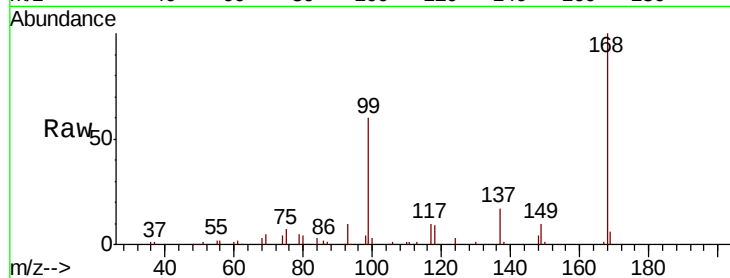
Tgt Ion: 56 Resp: 8207

Ion Ratio Lower Upper

56 100

69 244.0 25.8 38.6#

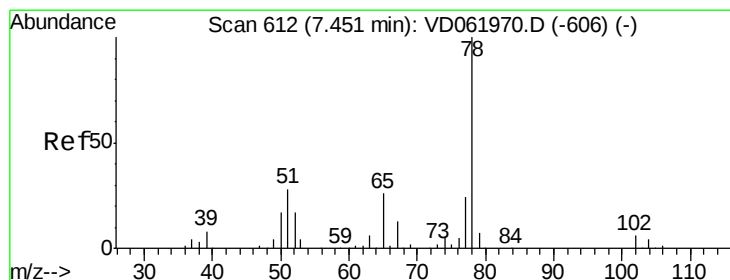
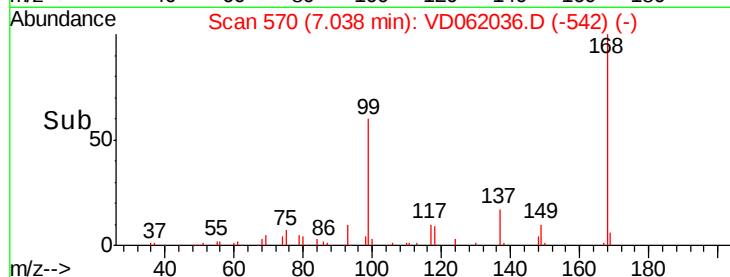
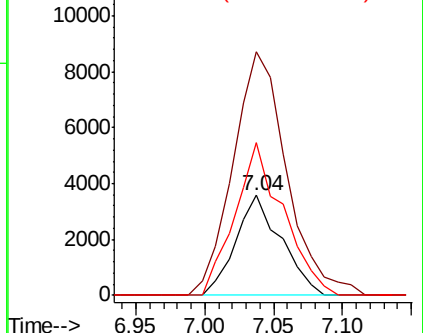
84 152.5 72.2 108.4#



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. -0.00 min

Lab File: VD062036.D

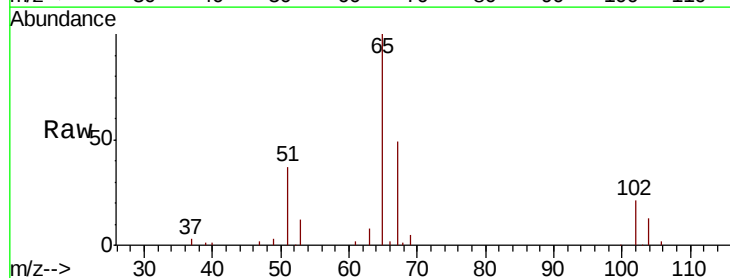
Acq: 25 Apr 2019 13:55

Tgt Ion: 65 Resp: 205026

Ion Ratio Lower Upper

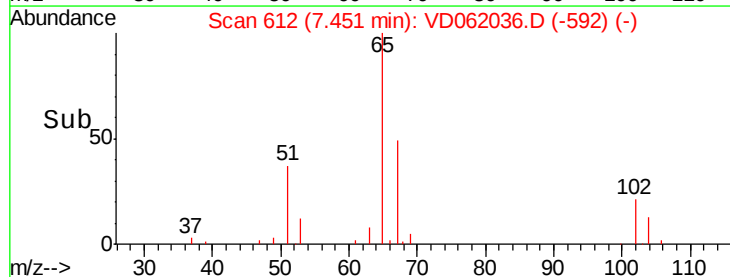
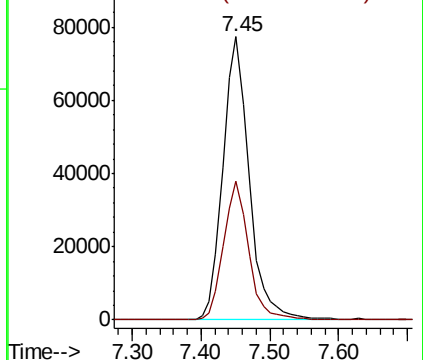
65 100

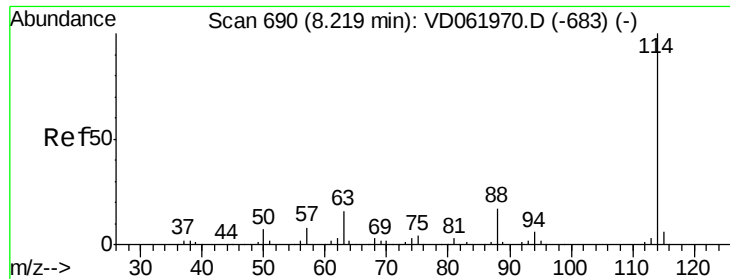
67 48.8 0.0 98.0



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# 690

Delta R.T. -0.00 min

Lab File: VD062036.D

Acq: 25 Apr 2019 13:55

Instrument :

MSVOA_D

ClientSampleId :

TP-4-2

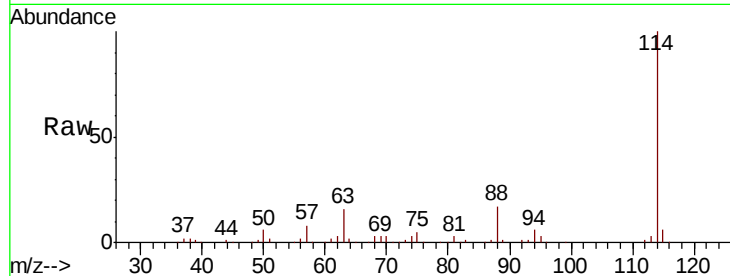
Tgt Ion:114 Resp: 780649

Ion Ratio Lower Upper

114 100

63 16.2 0.0 32.4

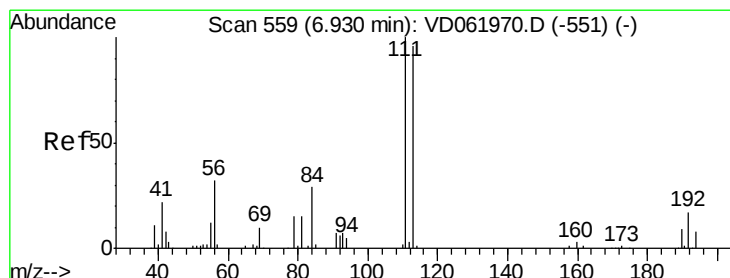
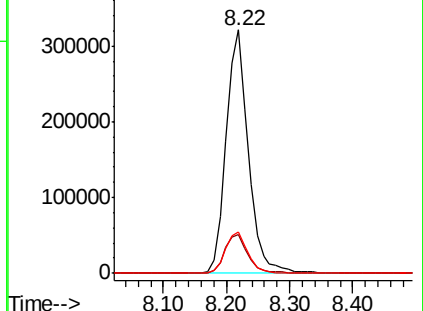
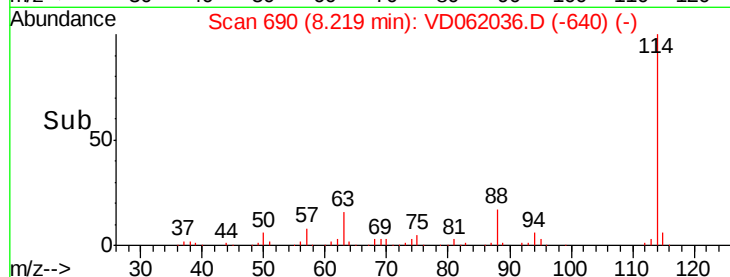
88 17.1 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD062036.D

Acq: 25 Apr 2019 13:55

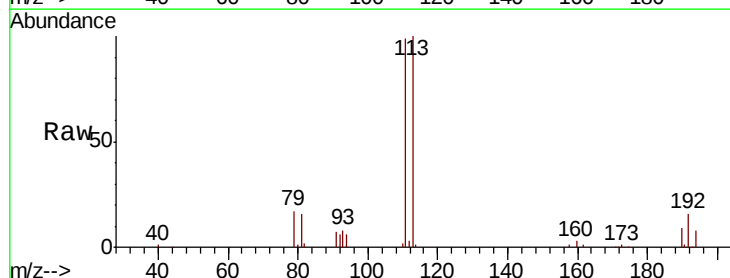
Tgt Ion:113 Resp: 280032

Ion Ratio Lower Upper

113 100

111 99.4 78.5 117.7

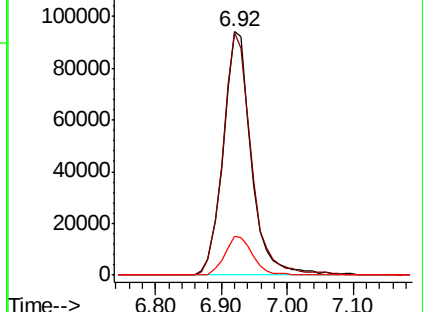
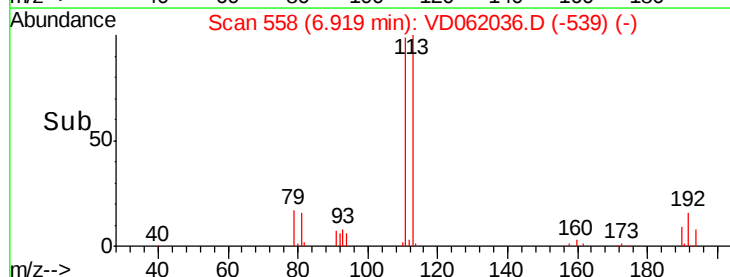
192 16.1 13.0 19.4

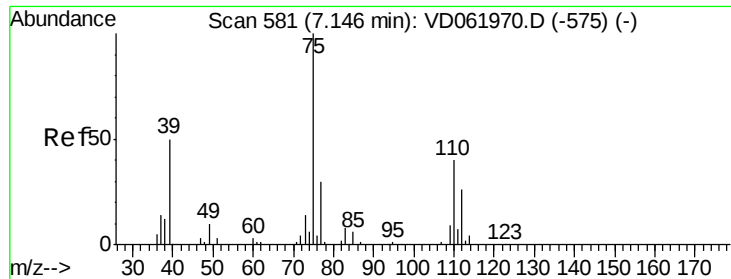


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.015 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.11 min

Lab File: VD062036.D

Acq: 25 Apr 2019 13:55

Instrument :

MSVOA_D

ClientSampleId :

TP-4-2

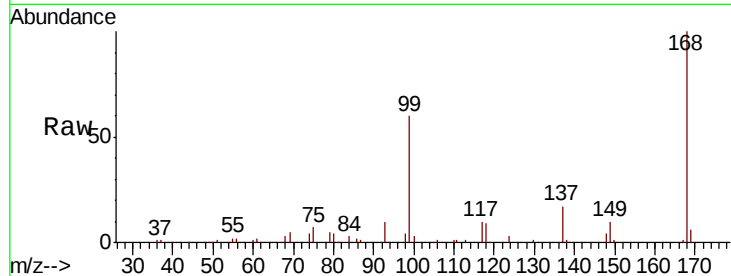
Tgt Ion: 75 Resp: 36584

Ion Ratio Lower Upper

75 100

110 9.0 19.1 57.1#

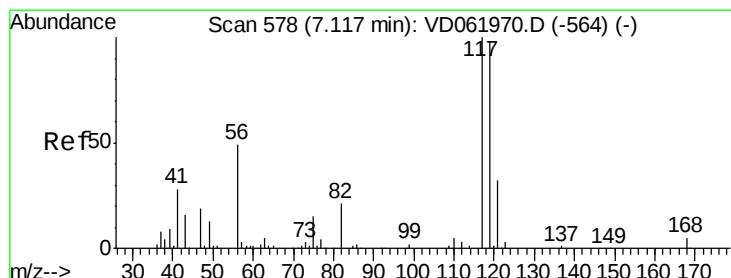
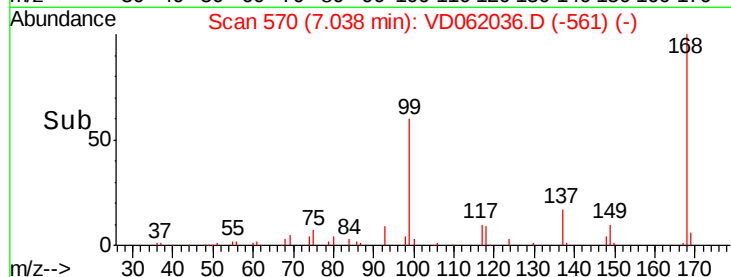
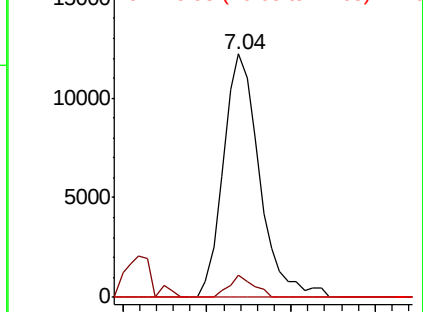
77 0.0 25.6 38.4#



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: 6.320 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD062036.D

Acq: 25 Apr 2019 13:55

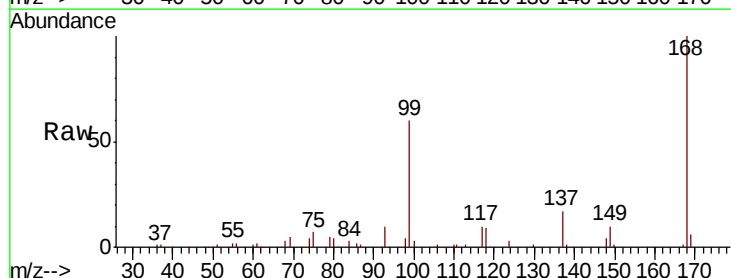
Tgt Ion: 117 Resp: 48706

Ion Ratio Lower Upper

117 100

119 4.2 75.8 113.8#

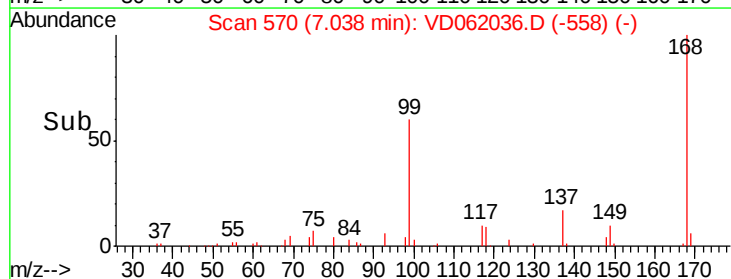
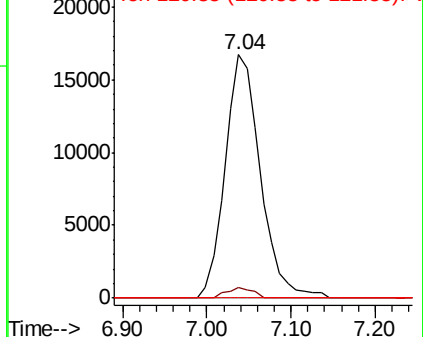
121 0.0 25.9 38.9#

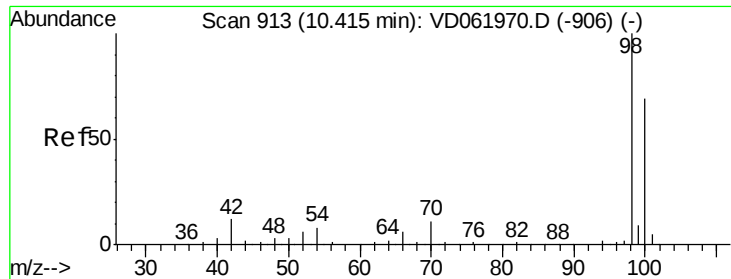


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

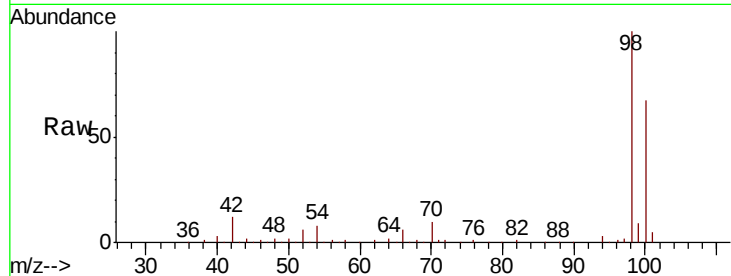




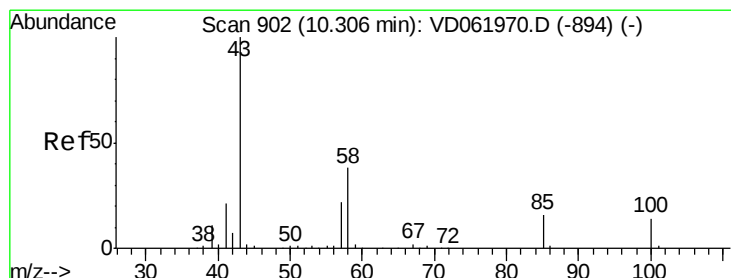
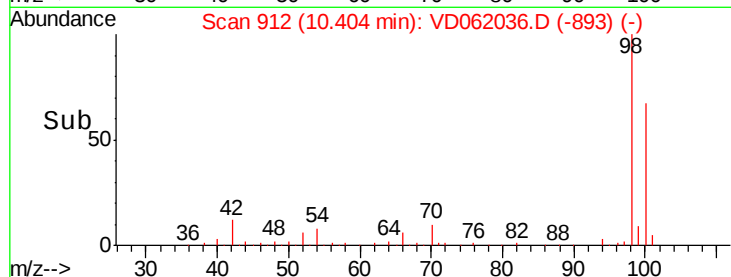
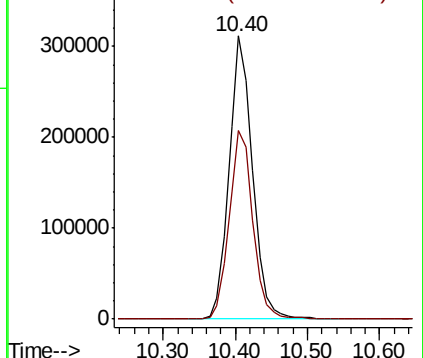
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD062036.D
Acq: 25 Apr 2019 13:55

Instrument :
MSVOA_D
ClientSampleId :
TP-4-2

Tgt Ion: 98 Resp: 701789
Ion Ratio Lower Upper
98 100
100 66.6 53.8 80.8

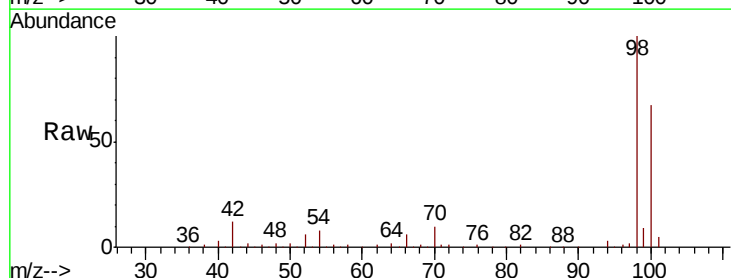


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

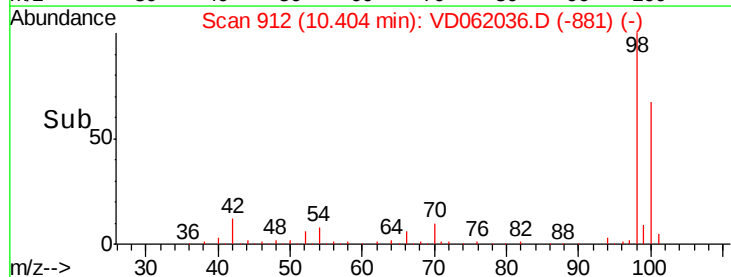
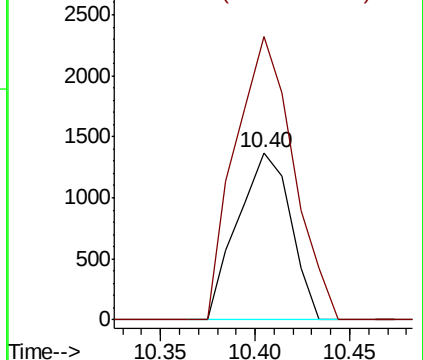


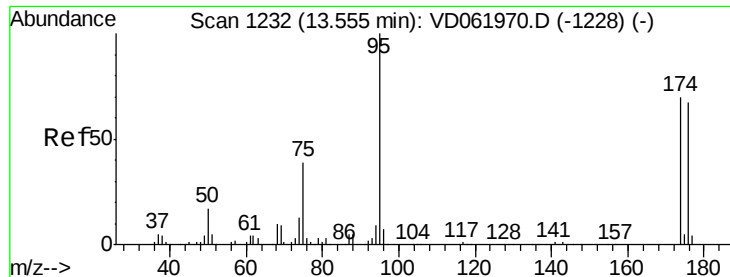
#51
4-Methyl-2-Pentanone
Concen: 1.148 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.10 min
Lab File: VD062036.D
Acq: 25 Apr 2019 13:55

Tgt Ion: 43 Resp: 2658
Ion Ratio Lower Upper
43 100
58 169.1 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

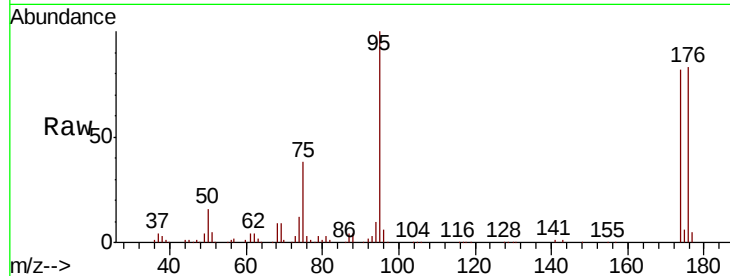




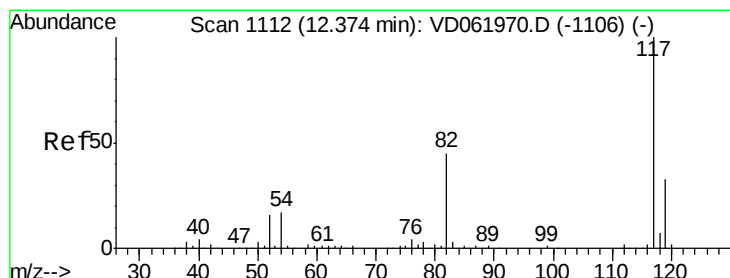
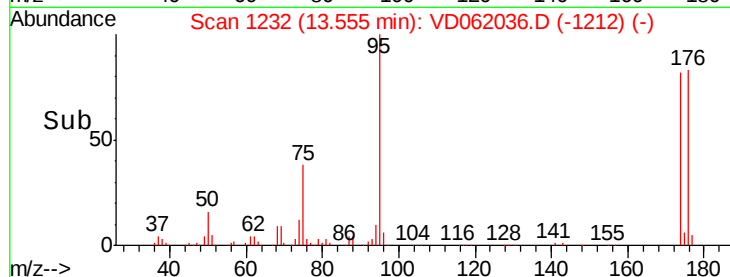
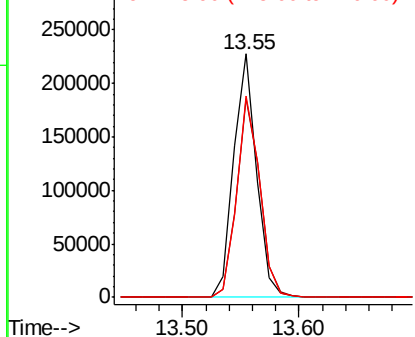
#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062036.D
 Acq: 25 Apr 2019 13:55

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4-2

Tgt Ion: 95 Resp: 307168
 Ion Ratio Lower Upper
 95 100
 174 81.9 0.0 181.8
 176 82.6 0.0 174.4

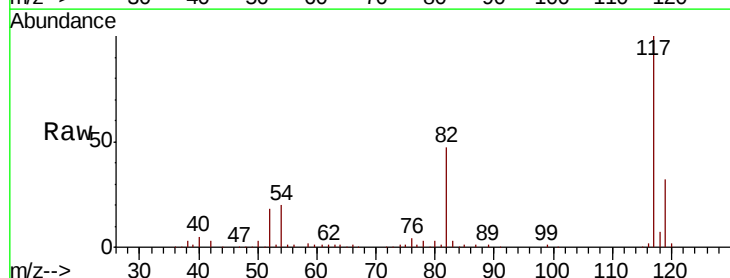


Abundance Ion 95.00 (94.70 to 95.70): V
 Ion 173.90 (173.60 to 174.60): V
 Ion 175.90 (175.60 to 176.60): V

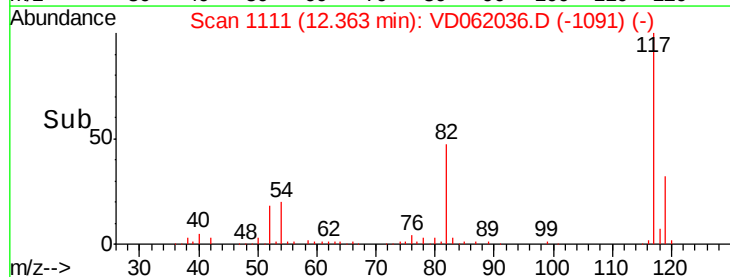
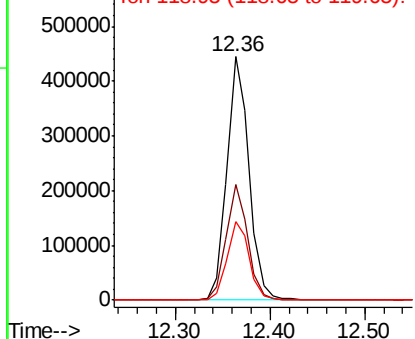


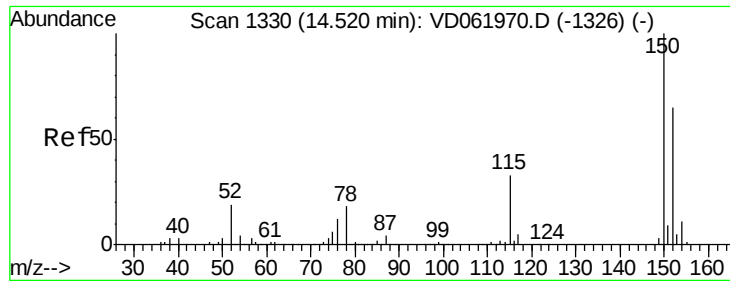
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.36 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: VD062036.D
 Acq: 25 Apr 2019 13:55

Tgt Ion: 117 Resp: 717175
 Ion Ratio Lower Upper
 117 100
 82 47.3 36.2 54.2
 119 32.4 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# 1330

Delta R.T. -0.00 min

Lab File: VD062036.D

Acq: 25 Apr 2019 13:55

Instrument :

MSVOA_D

ClientSampleId :

TP-4-2

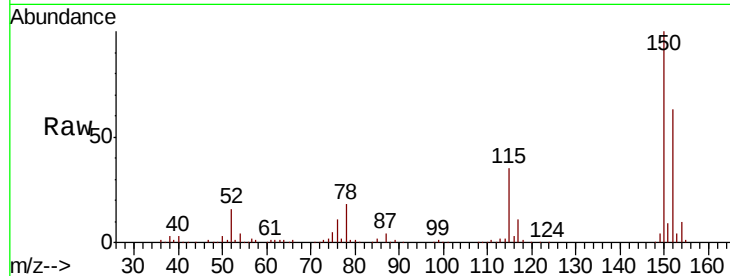
Tgt Ion:152 Resp: 337097

Ion Ratio Lower Upper

152 100

115 54.9 30.9 92.7

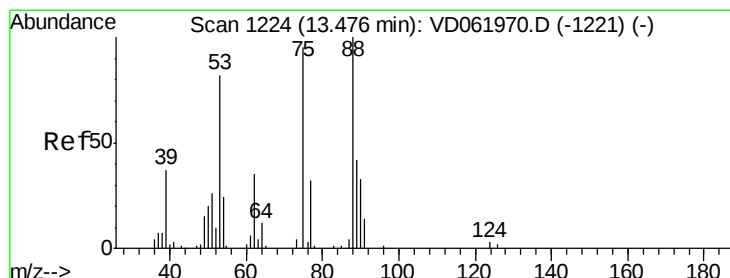
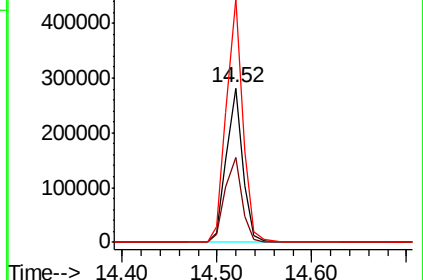
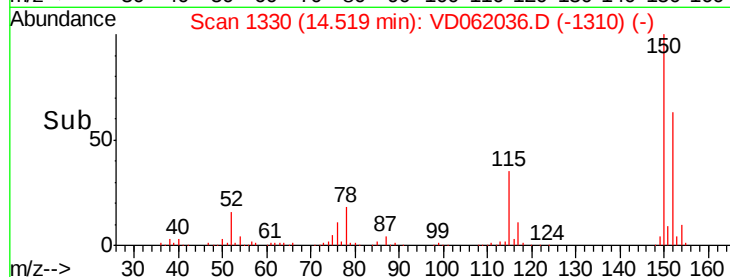
150 158.0 0.0 314.8



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: 91.682 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062036.D

Acq: 25 Apr 2019 13:55

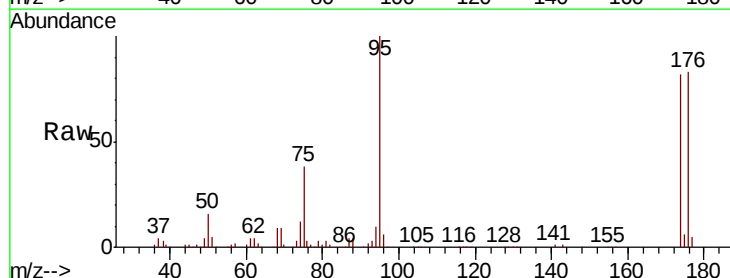
Tgt Ion: 75 Resp: 118930

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

