

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD041819\
 Data File : VD061870.D
 Acq On : 18 Apr 2019 13:17
 Operator : VA/AP
 Sample : K2397-06
 Misc : 3.05g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-D2

Quant Time: Apr 18 13:45:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	383248	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.22	114	632603	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.37	117	376033	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.52	152	97791	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	185635	57.79	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	115.58%	
35) Dibromofluoromethane	6.93	113	270416	56.58	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	113.16%	
50) Toluene-d8	10.42	98	530224	46.82	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	93.64%	
62) 4-Bromofluorobenzene	13.56	95	121408	26.45	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	52.90%	

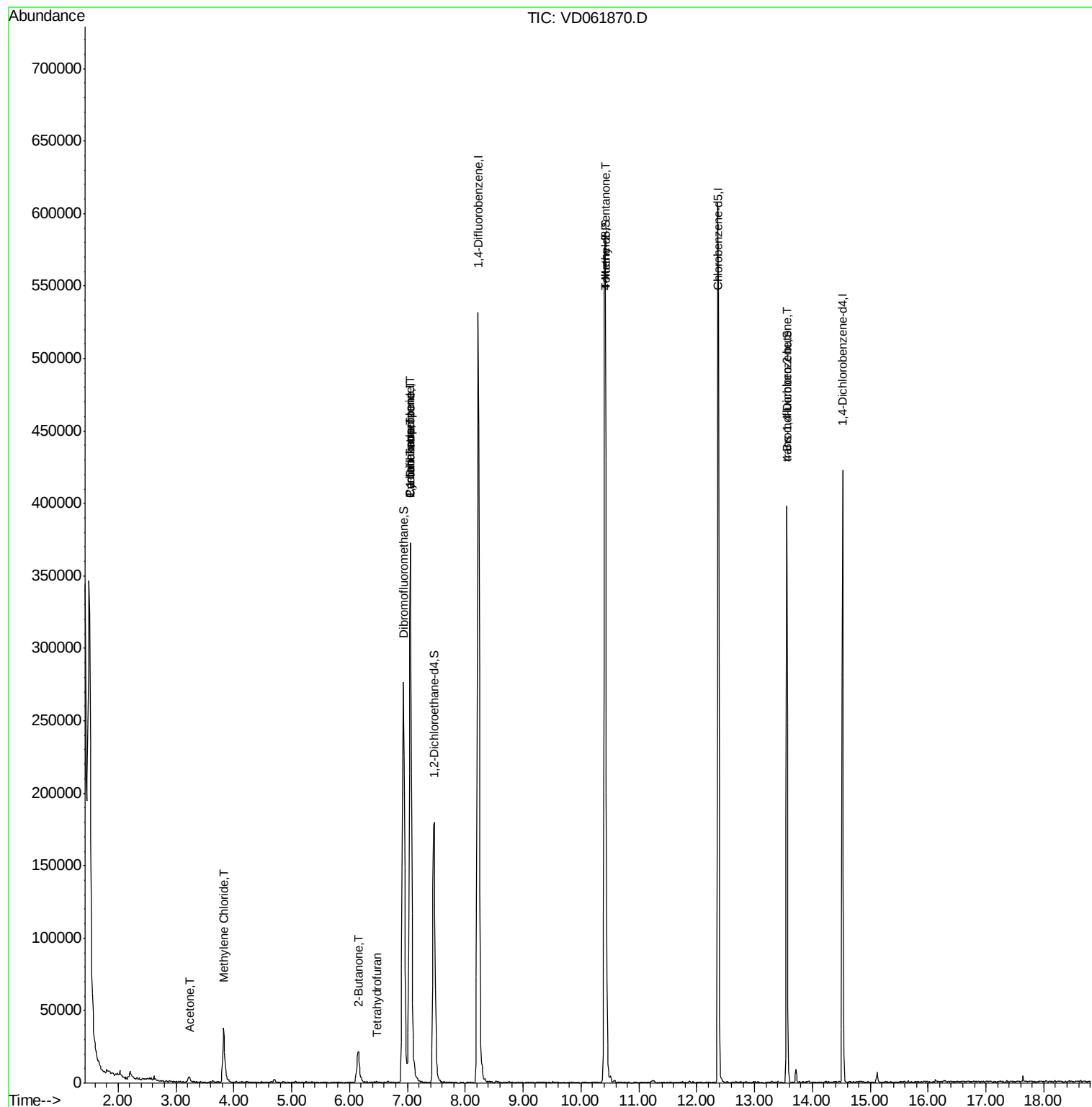
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.17	94	747	Below Cal	#	12
16) Acetone	3.23	43	8626	10.896	ug/l #	81
20) Methylene Chloride	3.82	84	26978	2.498	ug/l #	95
25) 2-Butanone	6.16	43	952	1.056	ug/l #	56
29) Tetrahydrofuran	6.47	42	440	1.002	ug/l #	30
31) Cyclohexane	7.05	56	6049	1.244	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	28681	5.548	ug/l #	43
38) Carbon Tetrachloride	7.05	117	37400	5.730	ug/l #	15
51) 4-Methyl-2-Pentanone	10.42	43	2592	1.361	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	45409	105.163	ug/l #	16

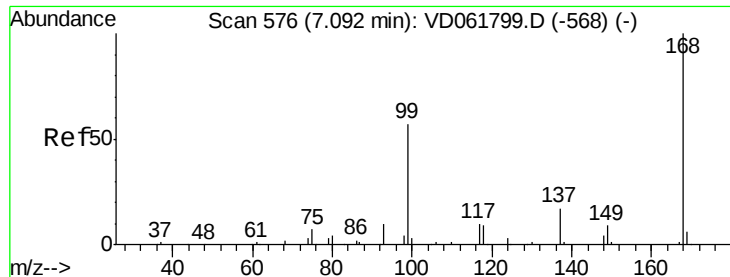
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD041819\
Data File : VD061870.D
Acq On : 18 Apr 2019 13:17
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Quant Time: Apr 18 13:45:38 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 16 08:53:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD061870.D

Acq: 18 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

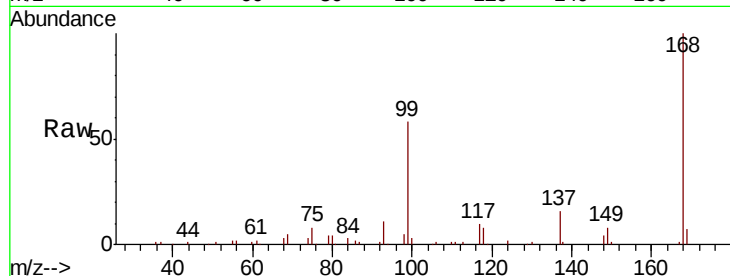
TP-1-D2

Tgt Ion:168 Resp: 383248

Ion Ratio Lower Upper

168 100

99 57.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

150000

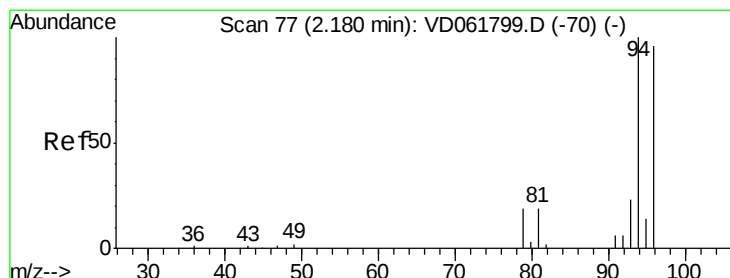
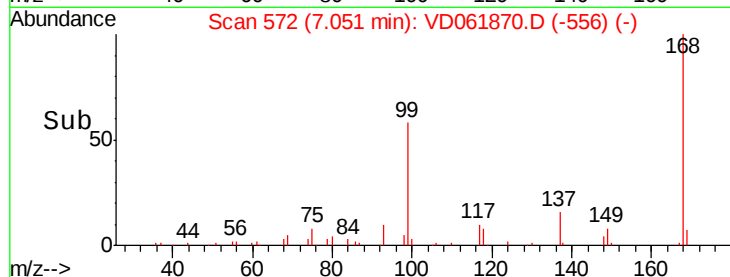
100000

50000

0

Time-->

7.00 7.20



#5

Bromomethane

Concen: Below Cal

RT: 2.17 min Scan# 76

Delta R.T. -0.01 min

Lab File: VD061870.D

Acq: 18 Apr 2019 13:17

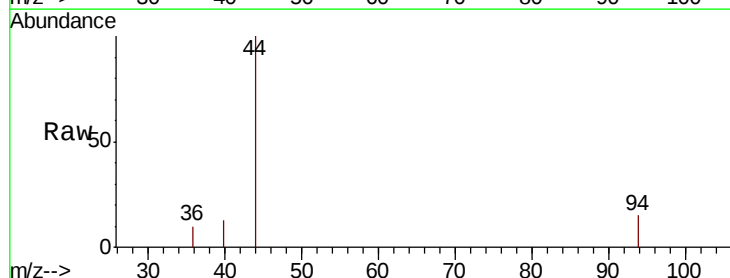
Tgt Ion: 94 Resp: 747

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

93 0.0 18.5 27.7#



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

800

600

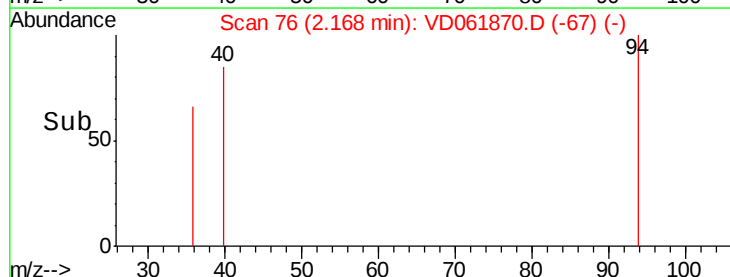
400

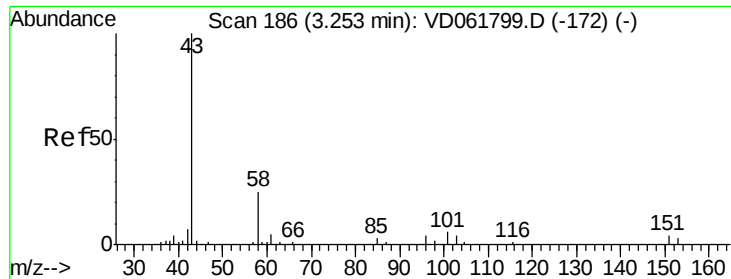
200

0

Time-->

2.10 2.15 2.20





#16

Acetone

Concen: 10.896 ug/l

RT: 3.23 min Scan# 184

Delta R.T. -0.02 min

Lab File: VD061870.D

Acq: 18 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

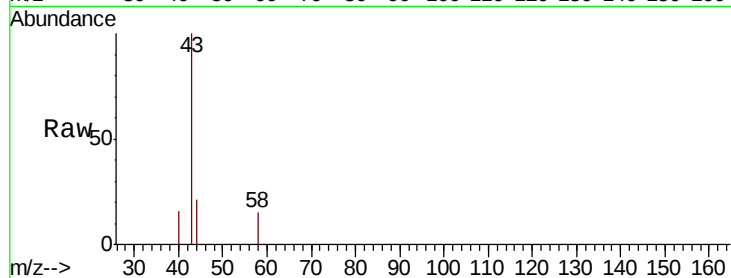
TP-1-D2

Tgt Ion: 43 Resp: 8626

Ion Ratio Lower Upper

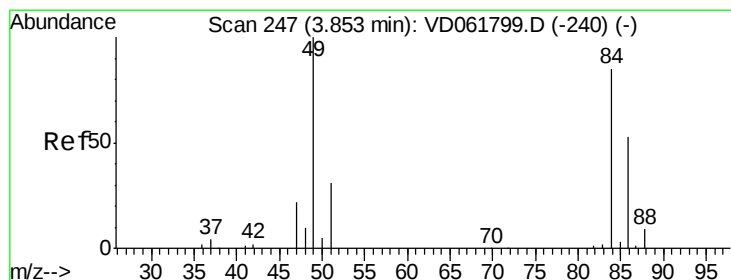
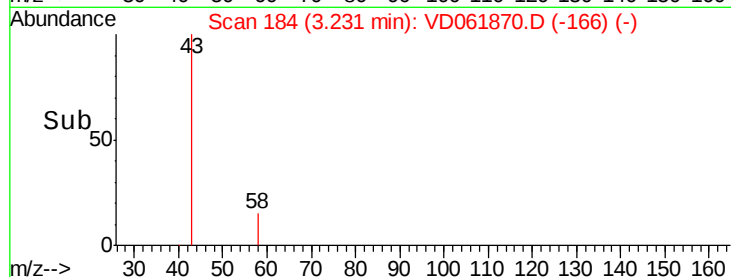
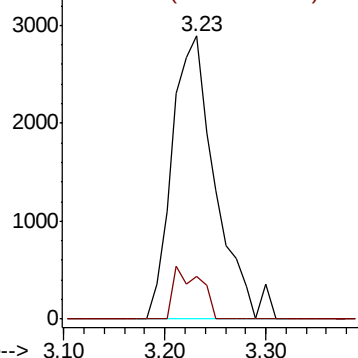
43 100

58 15.3 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: 2.498 ug/l

RT: 3.82 min Scan# 244

Delta R.T. -0.03 min

Lab File: VD061870.D

Acq: 18 Apr 2019 13:17

Tgt Ion: 84 Resp: 26978

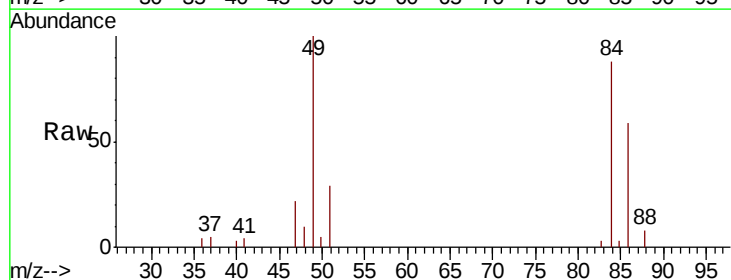
Ion Ratio Lower Upper

84 100

49 113.6 94.0 141.0

51 32.6 29.0 43.4

86 67.3 49.8 74.6

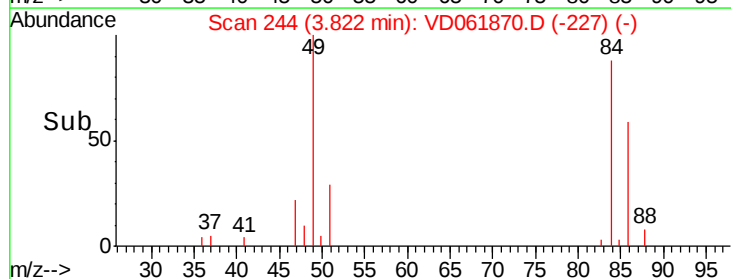
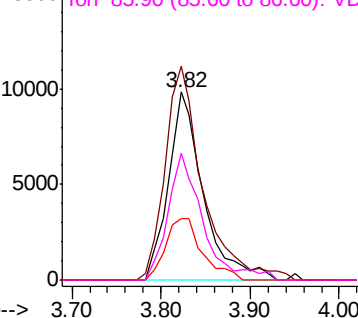


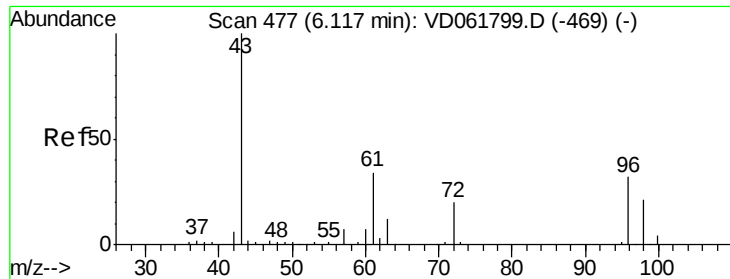
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#25

2-Butanone

Concen: 1.056 ug/l

RT: 6.16 min Scan# 481

Delta R.T. 0.04 min

Lab File: VD061870.D

Acq: 18 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleID :

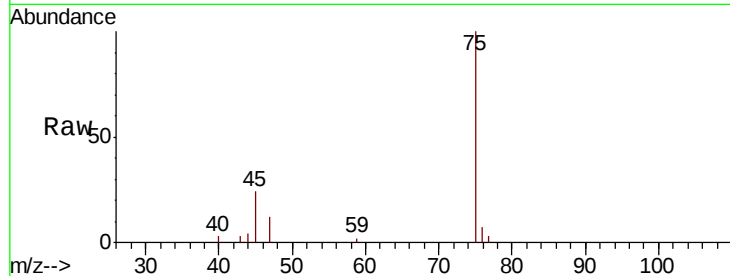
TP-1-D2

Tgt Ion: 43 Resp: 952

Ion Ratio Lower Upper

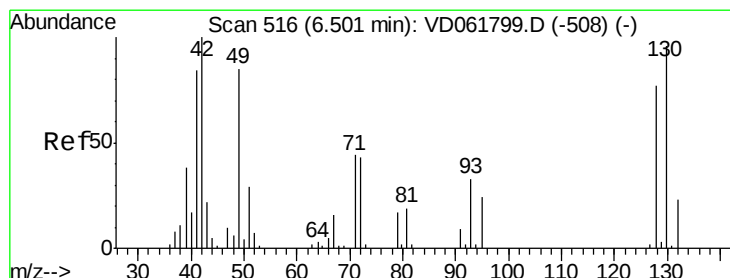
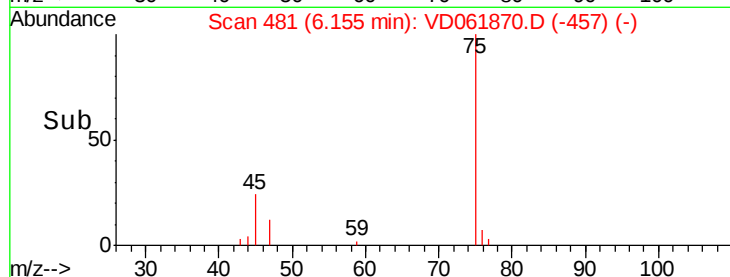
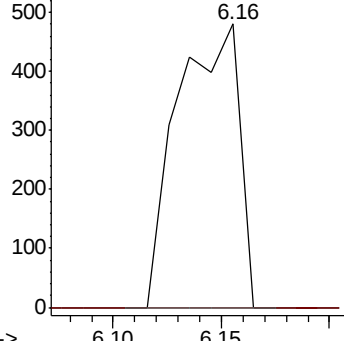
43 100

72 0.0 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.002 ug/l

RT: 6.47 min Scan# 513

Delta R.T. -0.03 min

Lab File: VD061870.D

Acq: 18 Apr 2019 13:17

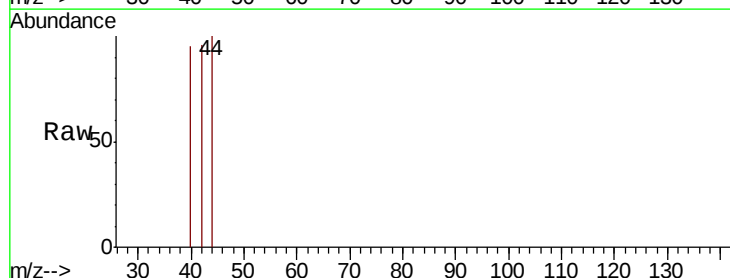
Tgt Ion: 42 Resp: 440

Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

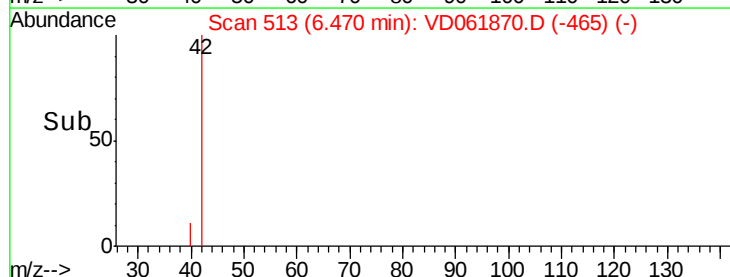
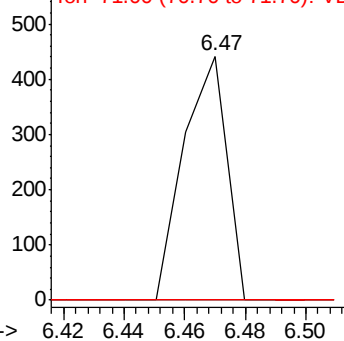
71 0.0 36.7 55.1#

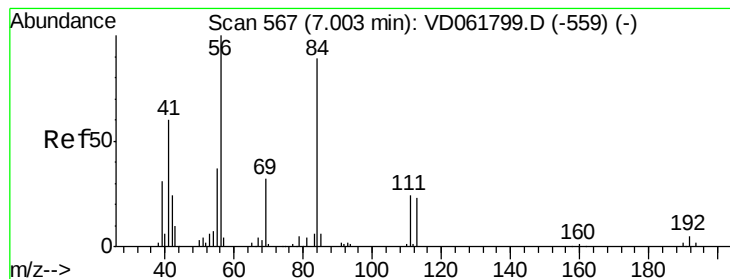


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 1.244 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.05 min

Lab File: VD061870.D

Acq: 18 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

TP-1-D2

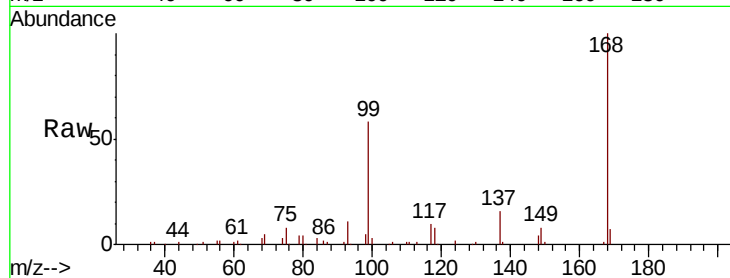
Tgt Ion: 56 Resp: 6049

Ion Ratio Lower Upper

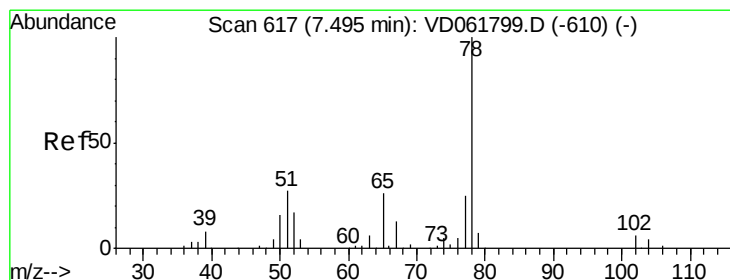
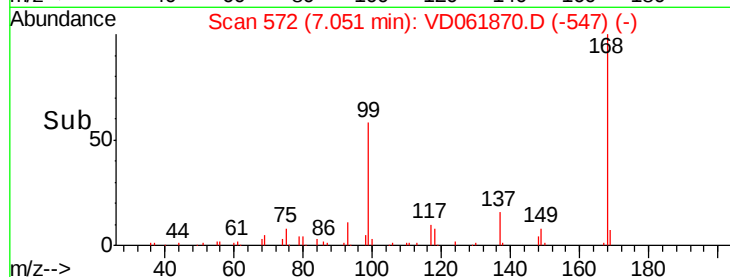
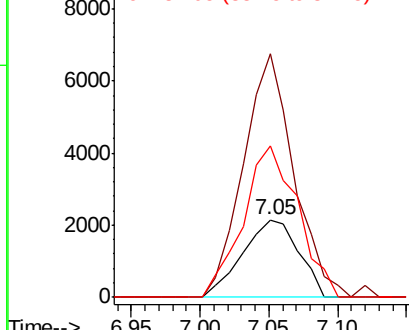
56 100

69 314.5 25.8 38.6#

84 195.4 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: N.D. ug/l

RT: 7.45 min Scan# 613

Delta R.T. -0.04 min

Lab File: VD061870.D

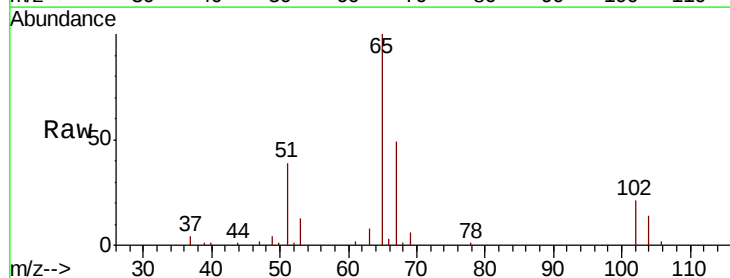
Acq: 18 Apr 2019 13:17

Tgt Ion: 65 Resp: 185635

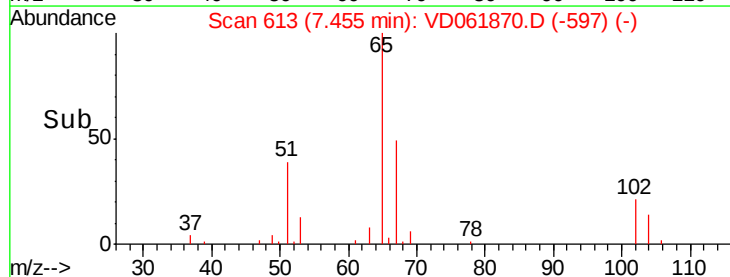
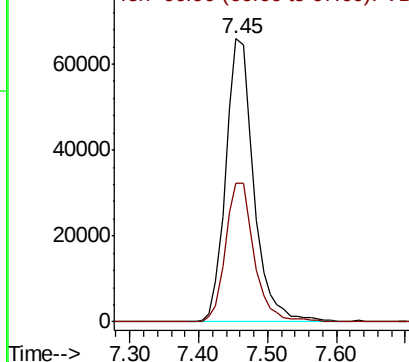
Ion Ratio Lower Upper

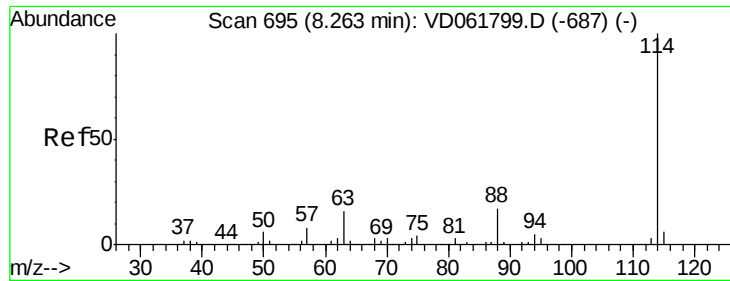
65 100

67 49.0 0.0 98.0



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

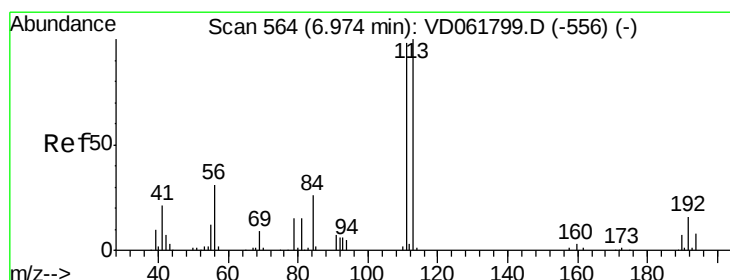
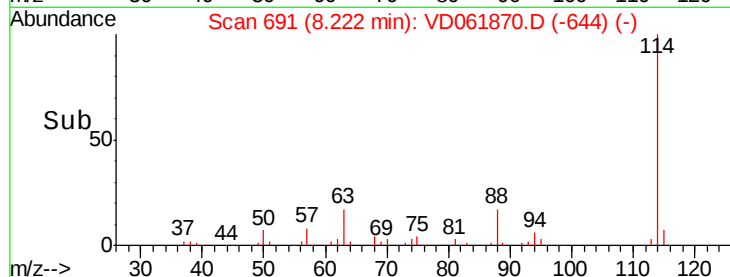
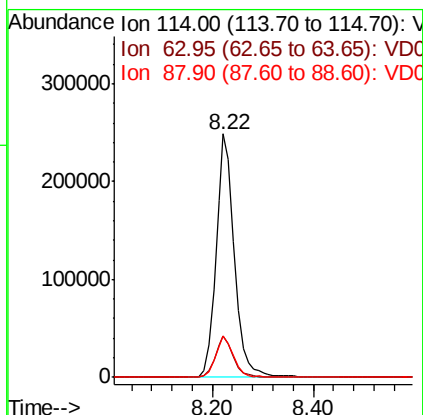
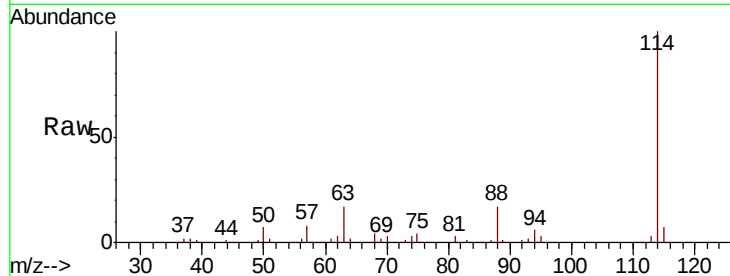




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. -0.04 min
 Lab File: VD061870.D
 Acq: 18 Apr 2019 13:17

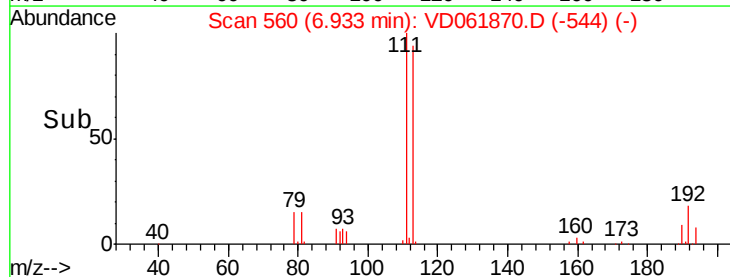
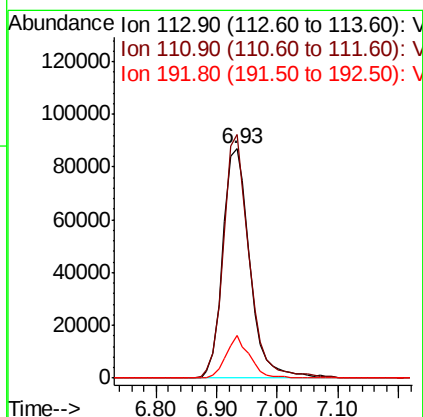
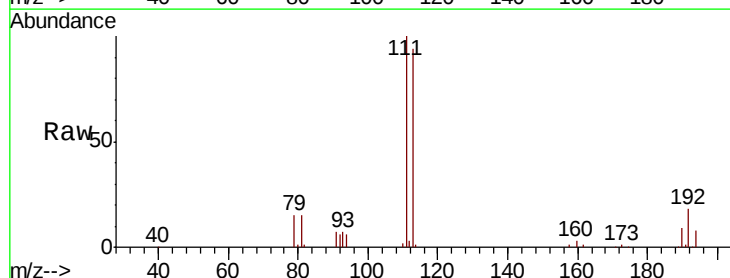
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-D2

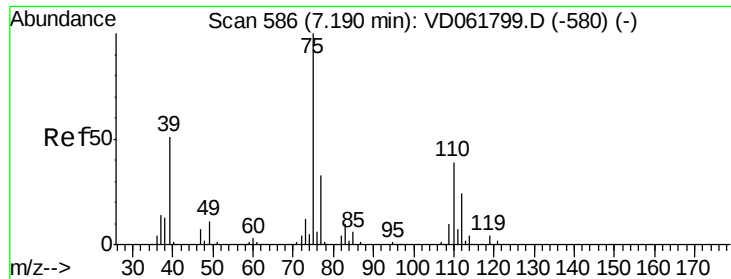
Tgt Ion:114 Resp: 632603
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 32.4
 88 16.9 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. -0.04 min
 Lab File: VD061870.D
 Acq: 18 Apr 2019 13:17

Tgt Ion:113 Resp: 270416
 Ion Ratio Lower Upper
 113 100
 111 106.2 78.5 117.7
 192 18.7 13.0 19.4





#36

1,1-Dichloropropene

Concen: 5.548 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.15 min

Lab File: VD061870.D

Acq: 18 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

TP-1-D2

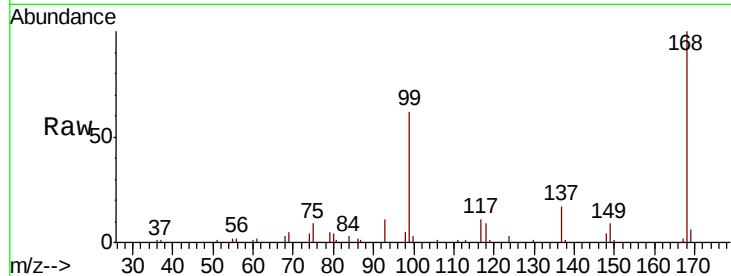
Tgt Ion: 75 Resp: 28681

Ion Ratio Lower Upper

75 100

110 4.0 19.1 57.1#

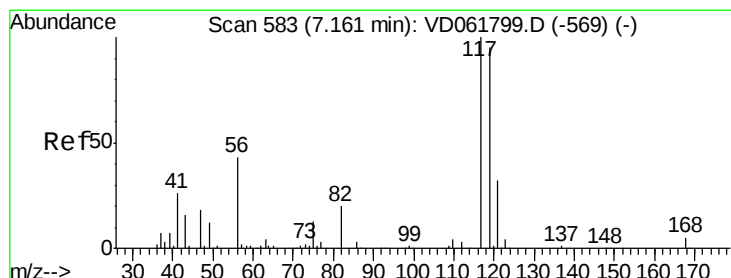
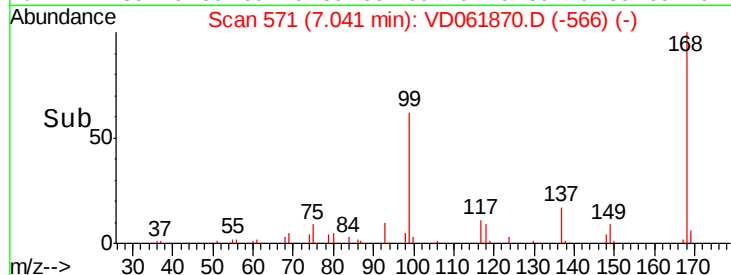
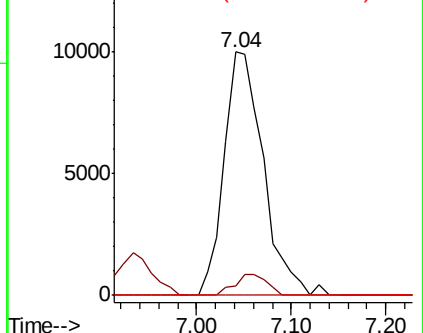
77 0.0 25.6 38.4#



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: 5.730 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.11 min

Lab File: VD061870.D

Acq: 18 Apr 2019 13:17

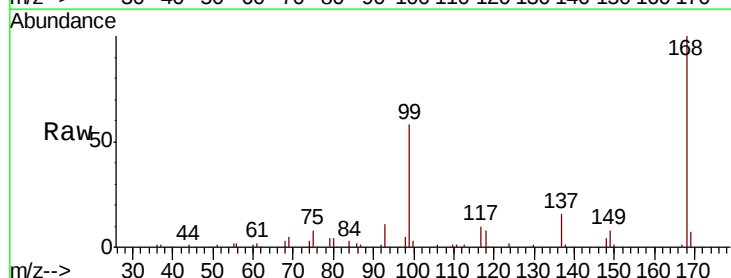
Tgt Ion: 117 Resp: 37400

Ion Ratio Lower Upper

117 100

119 2.9 75.8 113.8#

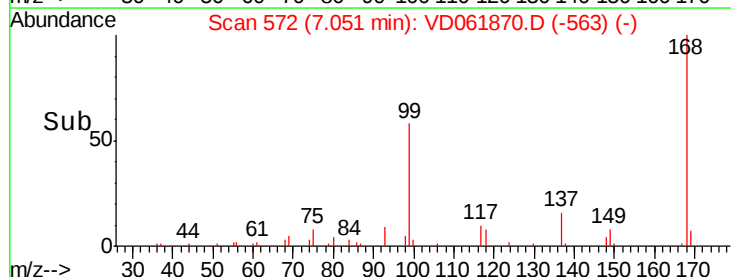
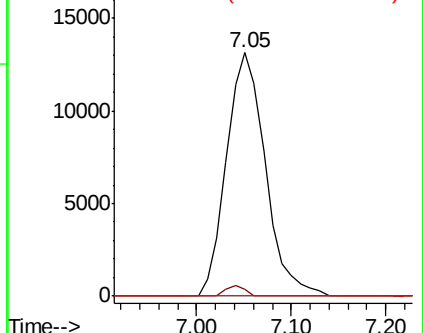
121 0.0 25.9 38.9#

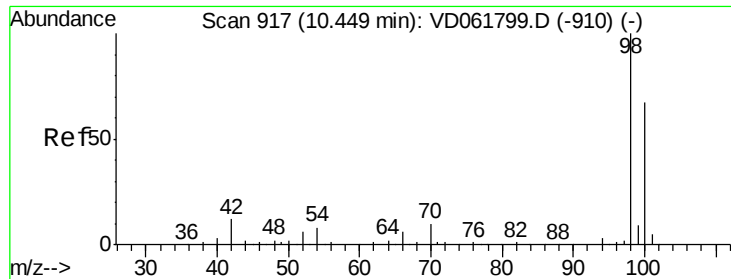


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

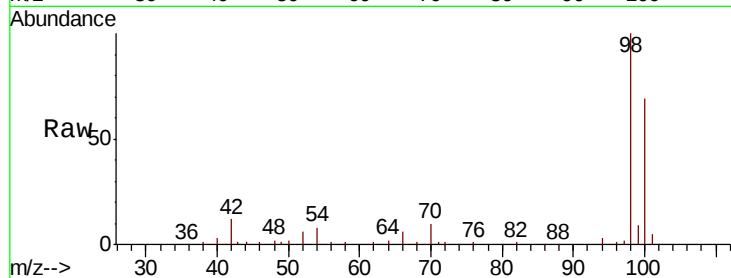




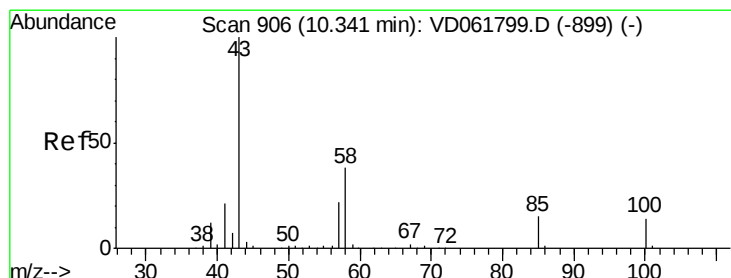
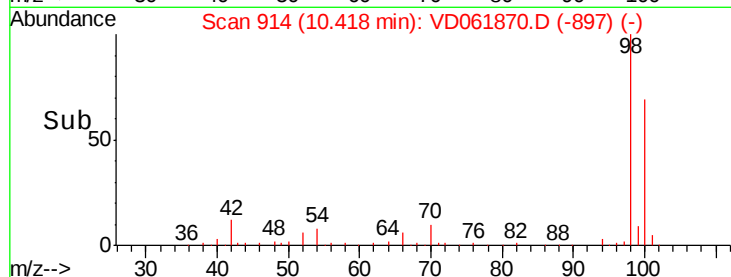
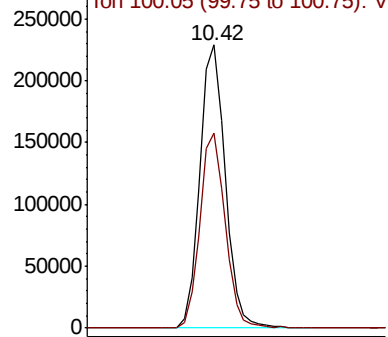
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. -0.03 min
Lab File: VD061870.D
Acq: 18 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampled :
TP-1-D2

Tgt Ion: 98 Resp: 530224
Ion Ratio Lower Upper
98 100
100 68.8 53.8 80.8

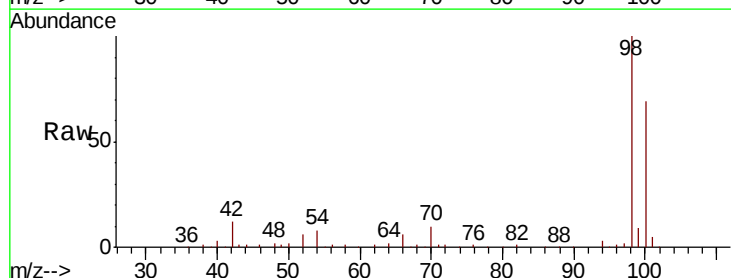


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

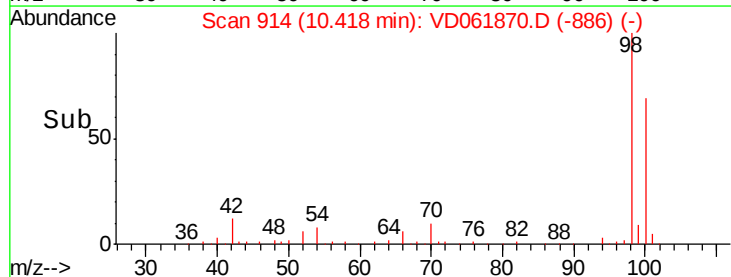
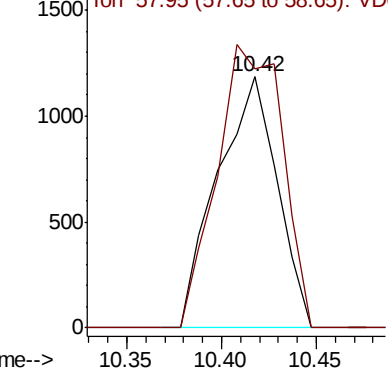


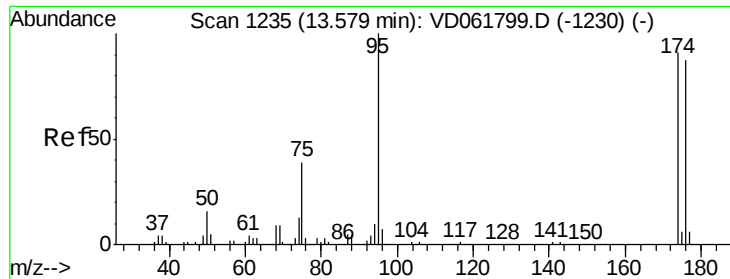
#51
4-Methyl-2-Pentanone
Concen: 1.361 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.08 min
Lab File: VD061870.D
Acq: 18 Apr 2019 13:17

Tgt Ion: 43 Resp: 2592
Ion Ratio Lower Upper
43 100
58 103.3 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: 13.56 min Scan# 1233

Delta R.T. -0.02 min

Lab File: VD061870.D

Acq: 18 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

TP-1-D2

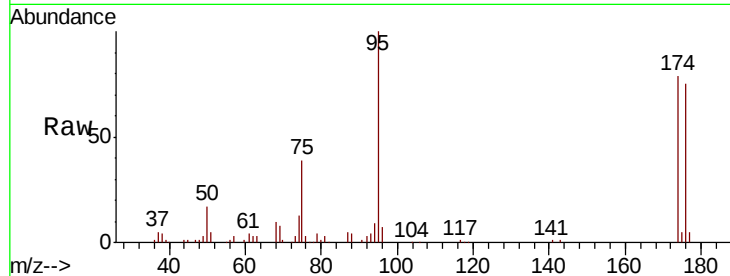
Tgt Ion: 95 Resp: 121408

Ion Ratio Lower Upper

95 100

174 78.5 0.0 181.8

176 75.5 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

120000

100000

80000

60000

40000

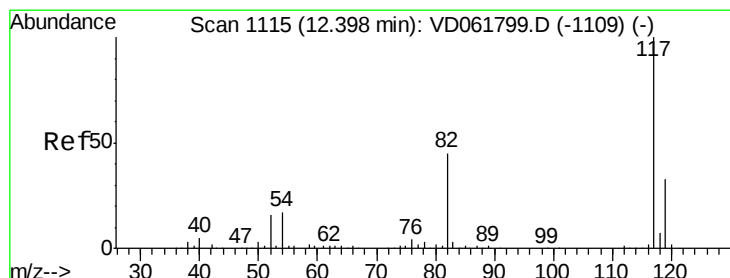
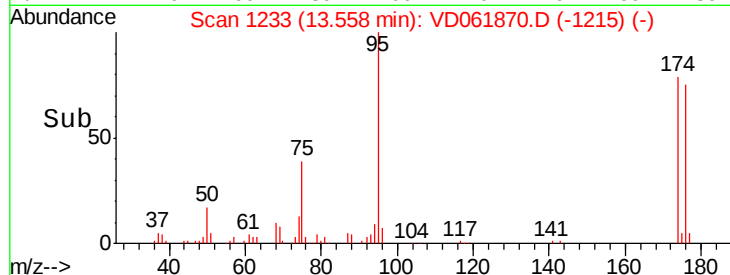
20000

0

13.56

13.50 13.55 13.60 13.65

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. -0.03 min

Lab File: VD061870.D

Acq: 18 Apr 2019 13:17

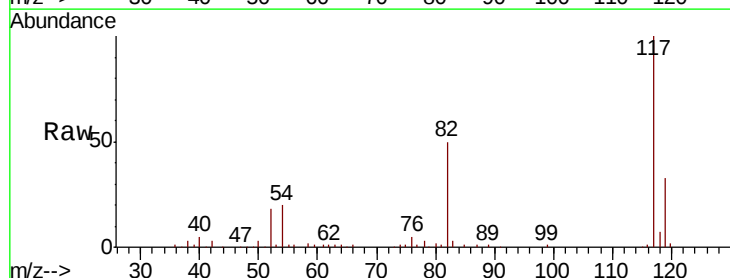
Tgt Ion: 117 Resp: 376033

Ion Ratio Lower Upper

117 100

82 49.6 36.2 54.2

119 32.8 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

300000

250000

200000

150000

100000

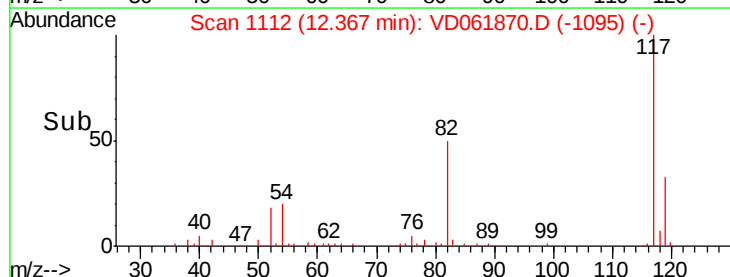
50000

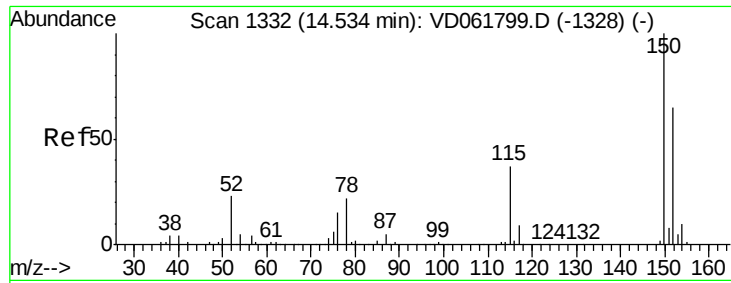
0

12.37

12.30 12.40 12.50

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. -0.01 min

Lab File: VD061870.D

Acq: 18 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

TP-1-D2

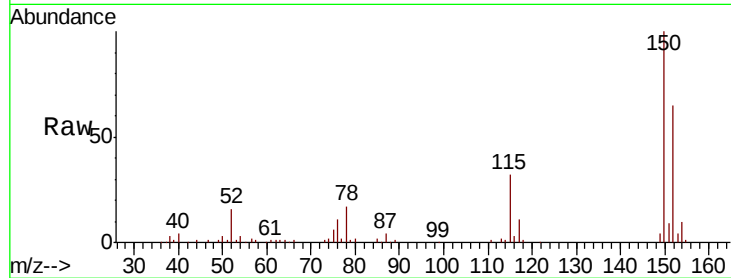
Tgt Ion: 152 Resp: 97791

Ion Ratio Lower Upper

152 100

115 49.7 30.9 92.7

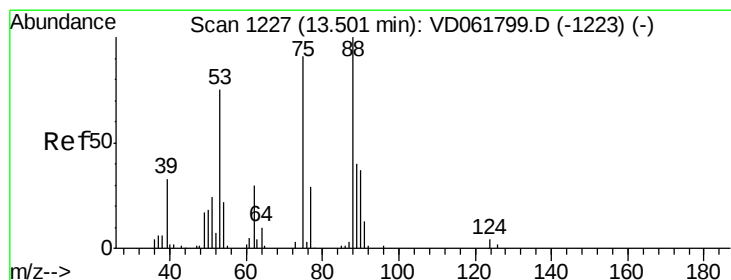
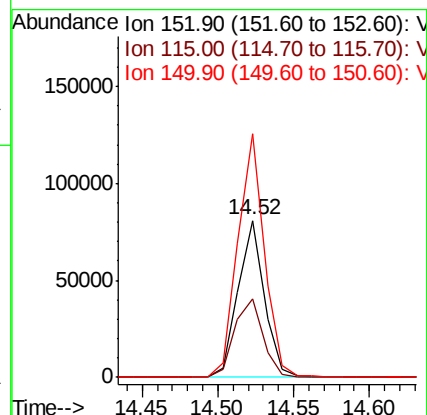
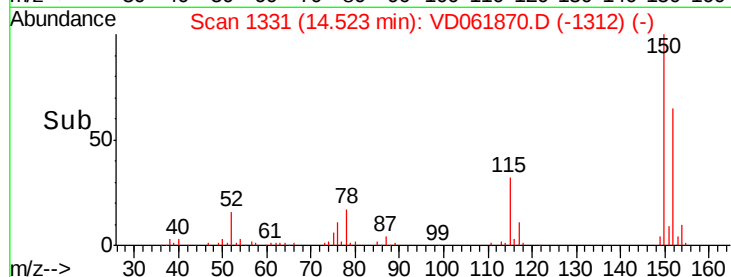
150 154.9 0.0 314.8



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: 105.163 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.06 min

Lab File: VD061870.D

Acq: 18 Apr 2019 13:17

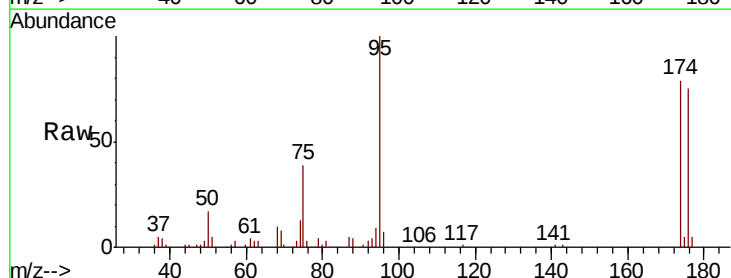
Tgt Ion: 75 Resp: 45409

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

