

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041819\
 Data File : VD061898.D
 Acq On : 19 Apr 2019 5:58
 Operator : VA/AP
 Sample : K2197-09
 Misc : 7.20g/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-041619-C

Quant Time: Apr 19 06:23:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

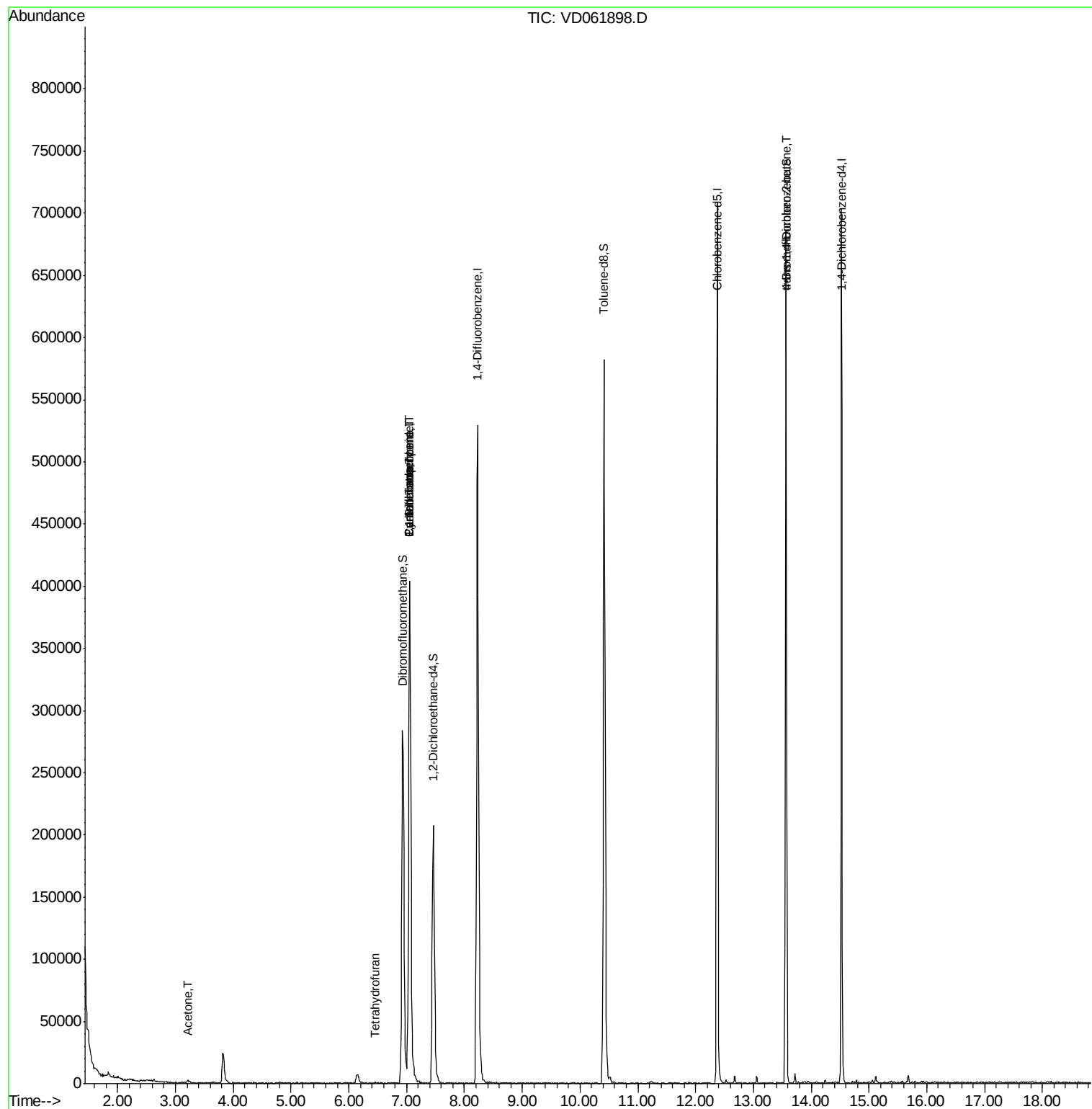
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	410778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	646756	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	443695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	173781	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	203971	59.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.50%	
35) Dibromofluoromethane	6.93	113	269173	55.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.18%	
50) Toluene-d8	10.41	98	509755	44.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.06%	
62) 4-Bromofluorobenzene	13.57	95	207561	44.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.46%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.13	94	451	Below Cal	#	12
16) Acetone	3.22	43	4044	4.766	ug/l #	50
20) Methylene Chloride	3.83	84	18913	Below Cal		91
29) Tetrahydrofuran	6.46	42	797	1.694	ug/l #	30
31) Cyclohexane	7.05	56	6925	1.328	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	30827	5.833	ug/l #	45
38) Carbon Tetrachloride	7.05	117	39422	5.907	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.57	75	80526	104.950	ug/l #	16

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

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Quant Title : SW846 8260
QLast Update : Thu Apr 18 13:49:04 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061898.D

Acq: 19 Apr 2019 5:58

Instrument :

MSVOA_D

ClientSampleId :

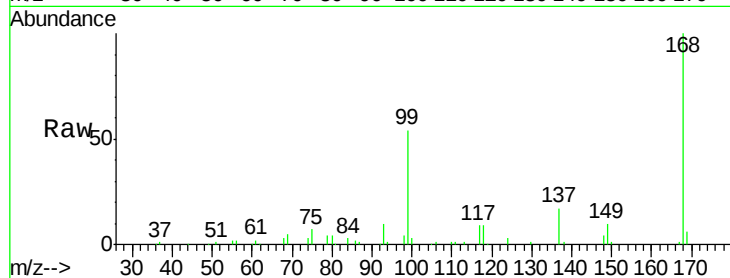
CL-01-041619-C

Tot Ion:168 Resp: 410778

Ion Ratio Lower Upper

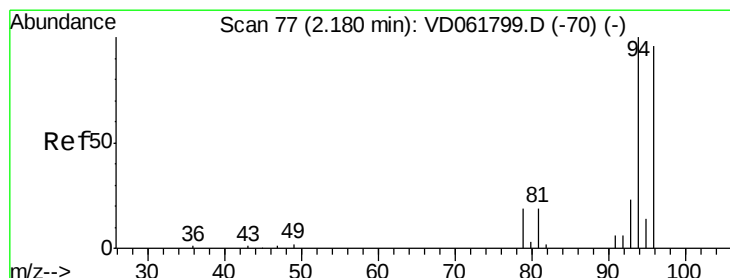
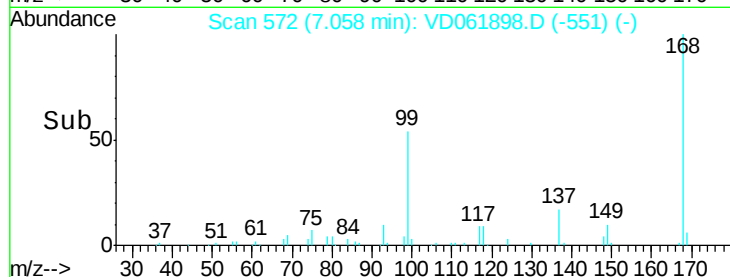
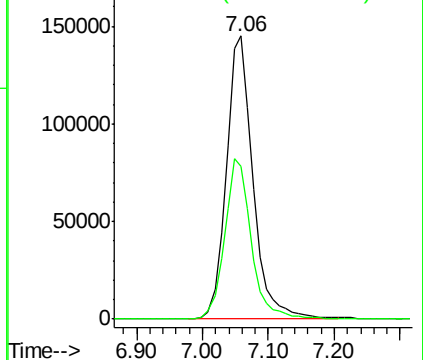
168 100

99 54.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.13 min Scan# 71

Delta R.T. -0.02 min

Lab File: VD061898.D

Acq: 19 Apr 2019 5:58

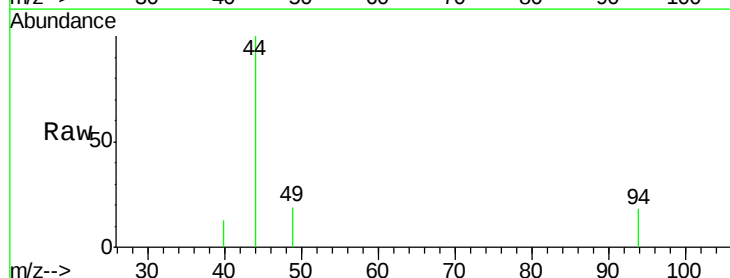
Tgt Ion: 94 Resp: 451

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

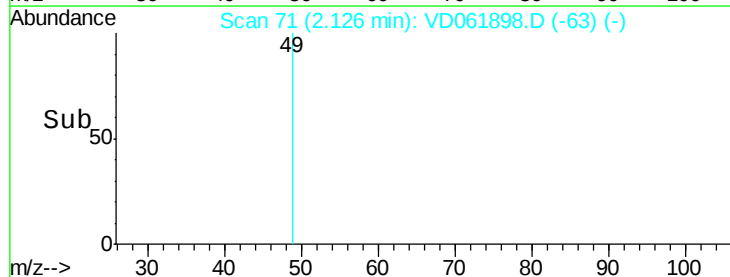
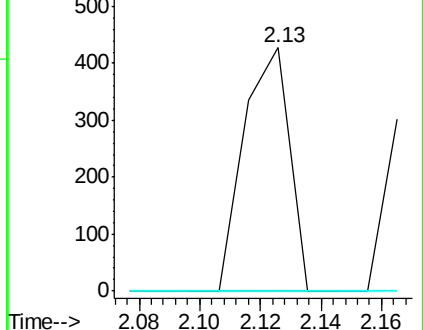
93 0.0 18.5 27.7#

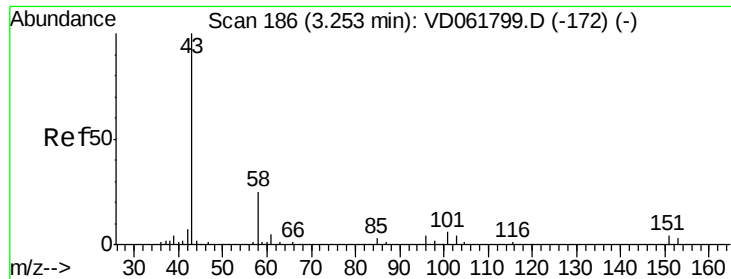


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#16

Acetone

Concen: 4.766 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD061898.D

Acq: 19 Apr 2019 5:58

Instrument :

MSVOA_D

ClientSampleId :

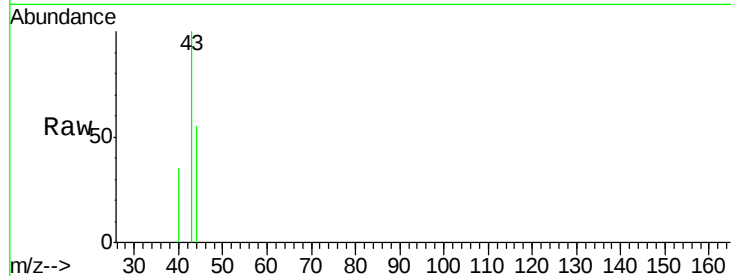
CL-01-041619-C

Tot Ion: 43 Resp: 4044

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

3.22

1500

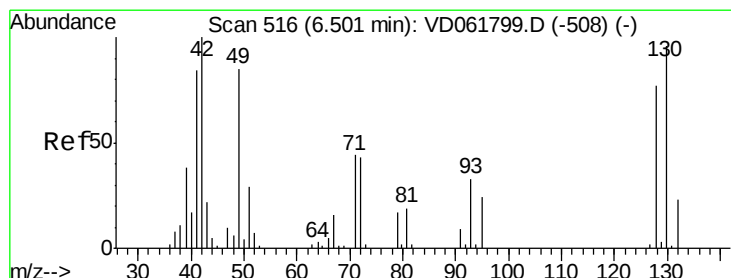
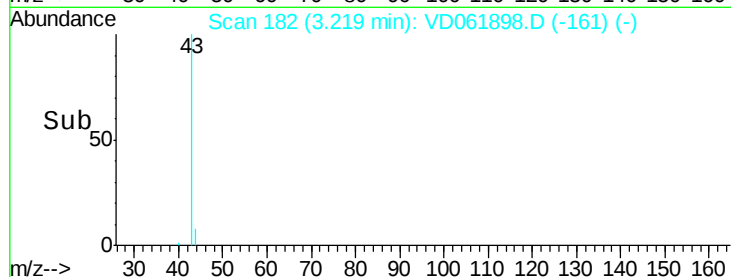
1000

500

0

Time-->

3.15 3.20 3.25 3.30



#29

Tetrahydrofuran

Concen: 1.694 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD061898.D

Acq: 19 Apr 2019 5:58

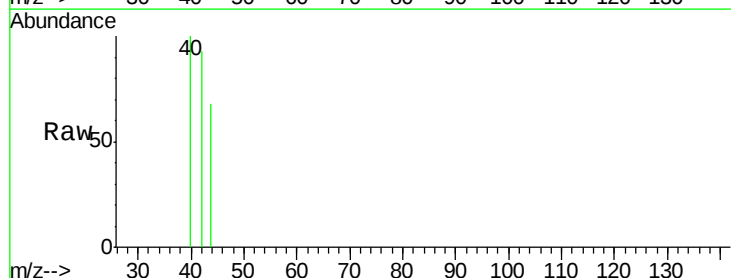
Tgt Ion: 42 Resp: 797

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

6.46

600

500

400

300

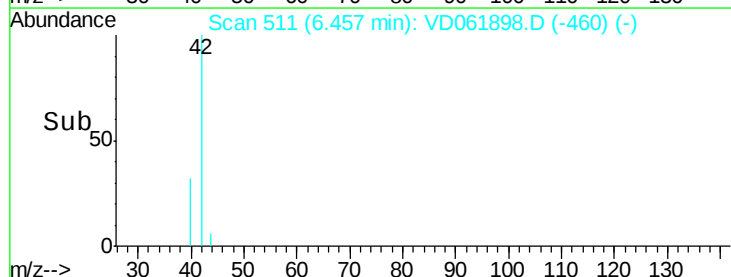
200

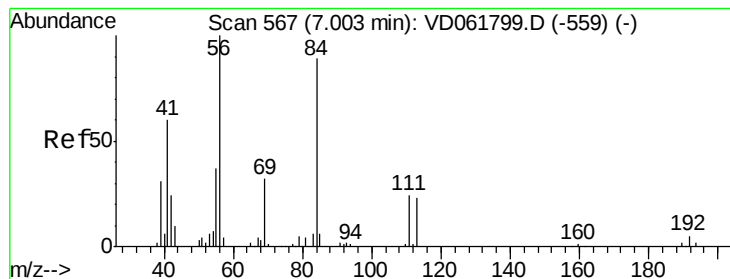
100

0

Time-->

6.45 6.50





#31

Cyclohexane

Concen: 1.328 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.10 min

Lab File: VD061898.D

Acq: 19 Apr 2019 5:58

Instrument :

MSVOA_D

ClientSampleId :

CL-01-041619-C

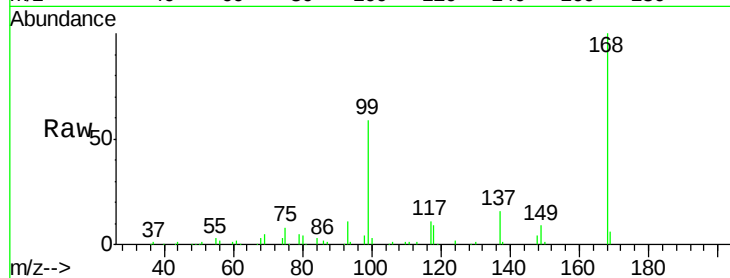
Tot Ion: 56 Resp: 6925

Ion Ratio Lower Upper

56 100

69 240.1 25.8 38.6#

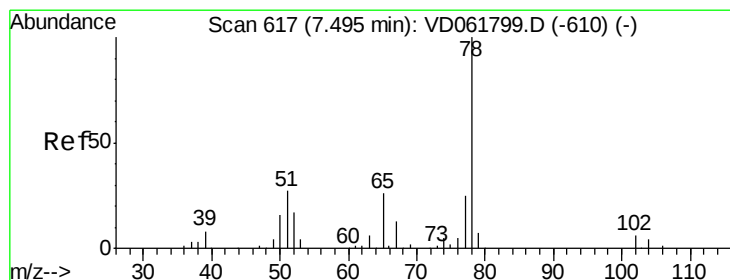
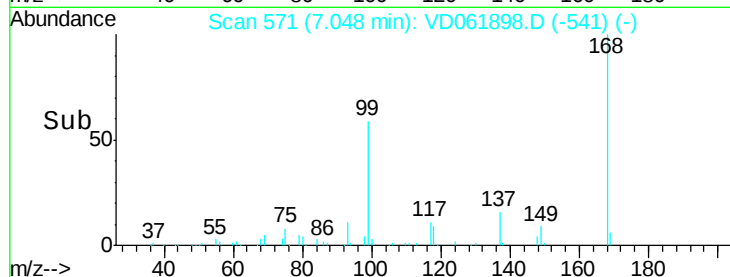
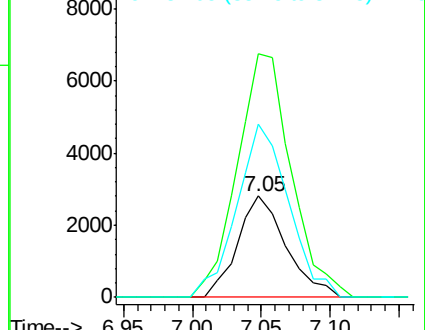
84 171.1 72.2 108.4#



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: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061898.D

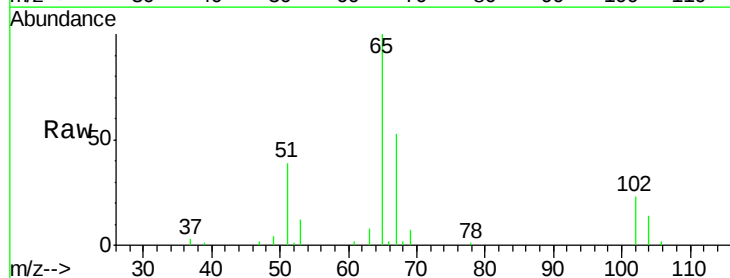
Acq: 19 Apr 2019 5:58

Tgt Ion: 65 Resp: 203971

Ion Ratio Lower Upper

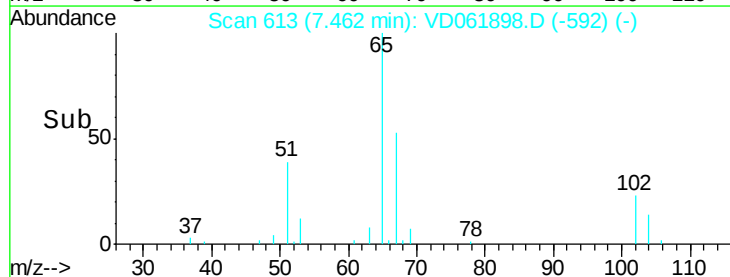
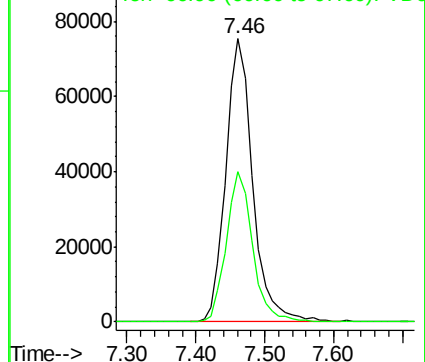
65 100

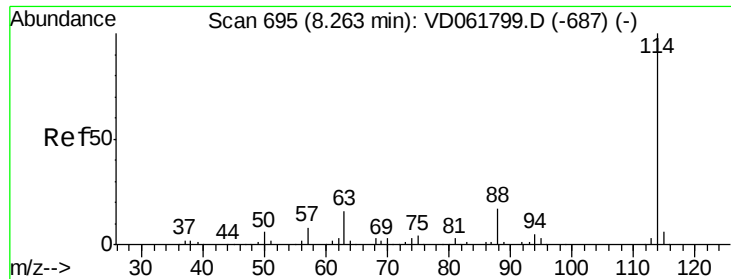
67 53.0 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

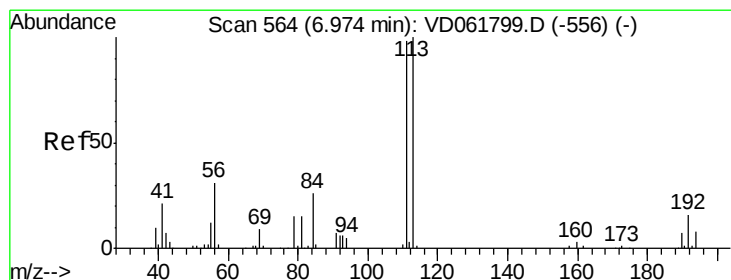
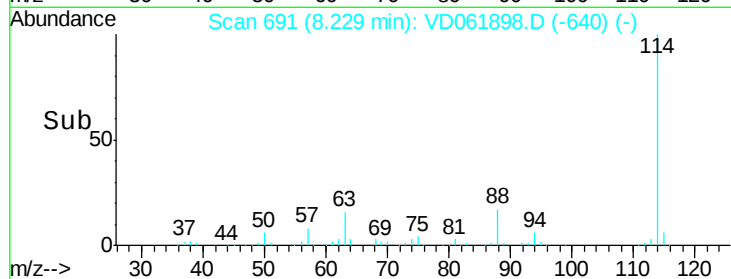
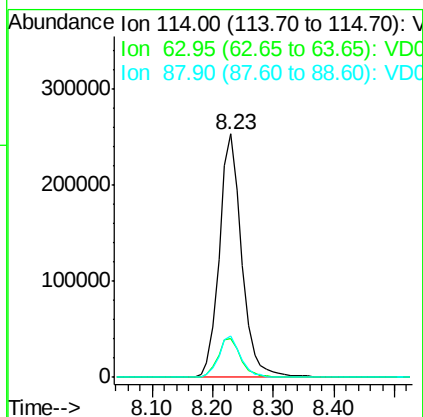
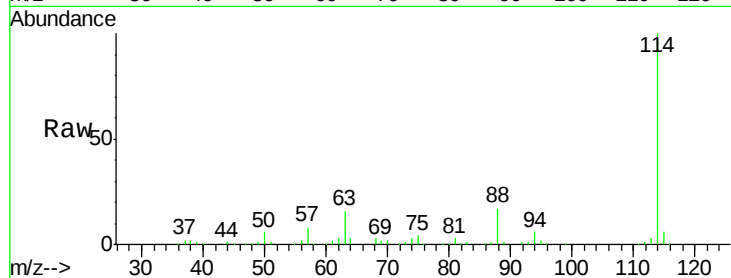




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD061898.D
 Acq: 19 Apr 2019 5:58

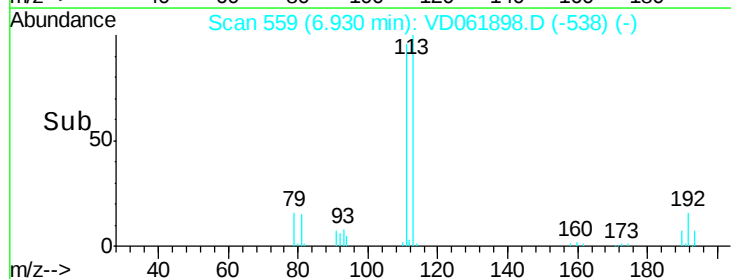
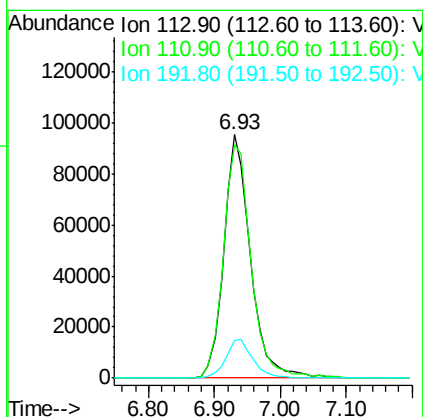
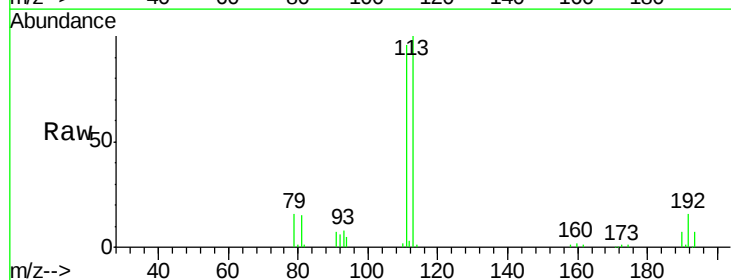
Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-041619-C

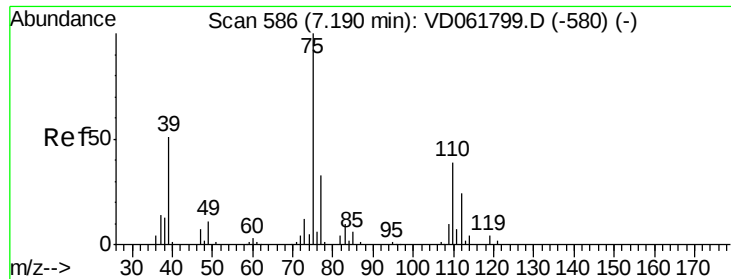
Tot Ion:114 Resp: 646756
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 32.4
 88 17.0 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: VD061898.D
 Acq: 19 Apr 2019 5:58

Tgt Ion:113 Resp: 269173
 Ion Ratio Lower Upper
 113 100
 111 96.1 78.5 117.7
 192 15.6 13.0 19.4





#36

1,1-Dichloropropene

Concen: 5.833 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD061898.D

Acq: 19 Apr 2019 5:58

Instrument :

MSVOA_D

ClientSampleId :

CL-01-041619-C

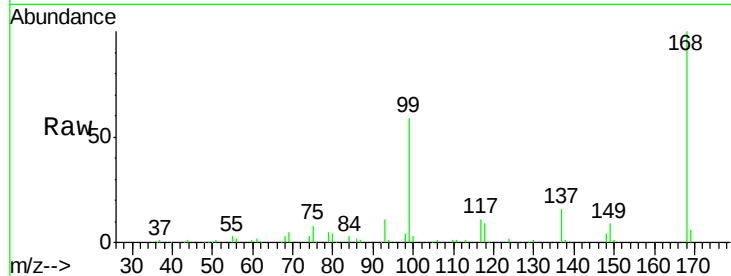
Tot Ion: 75 Resp: 30827

Ion Ratio Lower Upper

75 100

110 6.6 19.1 57.1#

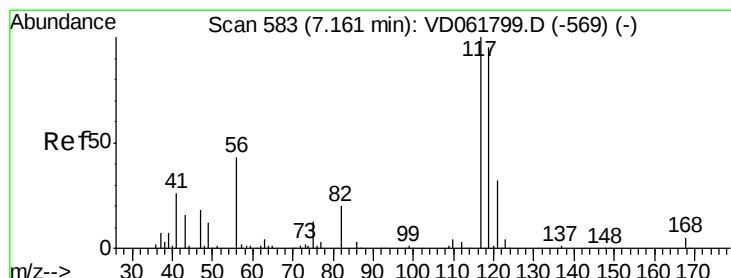
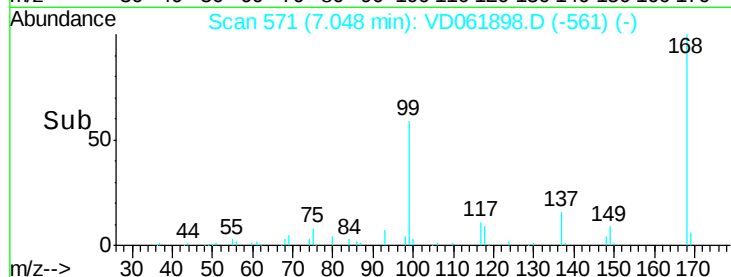
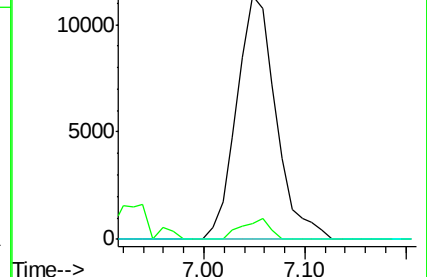
77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 5.907 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.06 min

Lab File: VD061898.D

Acq: 19 Apr 2019 5:58

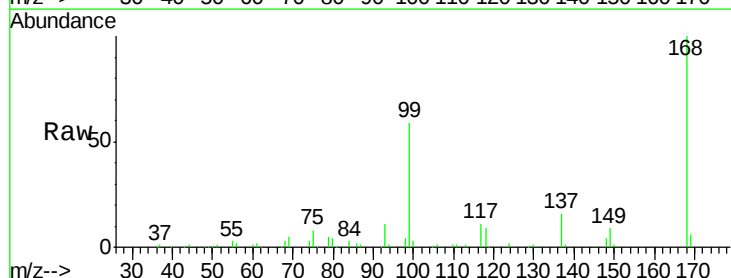
Tgt Ion: 117 Resp: 39422

Ion Ratio Lower Upper

117 100

119 3.3 75.8 113.8#

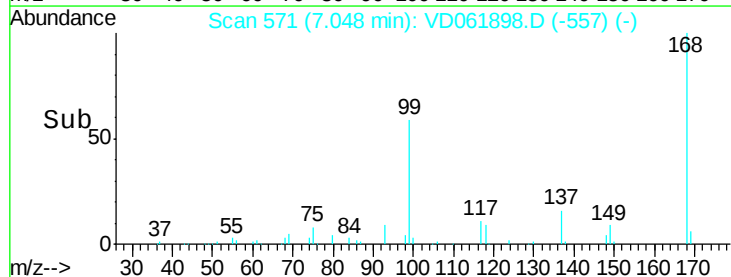
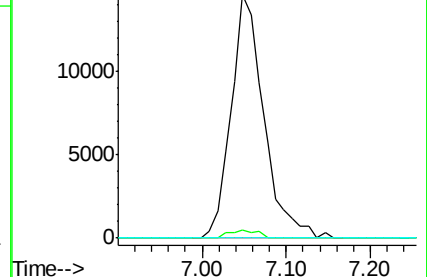
121 0.0 25.9 38.9#

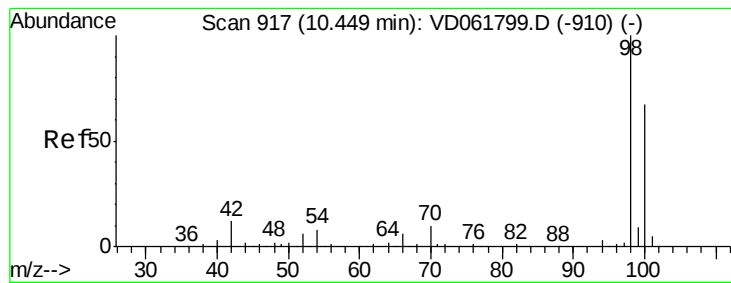


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD061898.D

Acq: 19 Apr 2019 5:58

Instrument :

MSVOA_D

ClientSampleId :

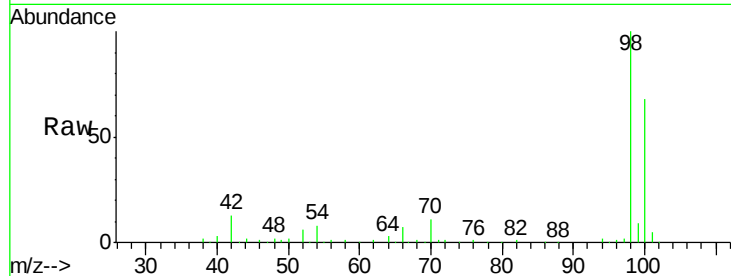
CL-01-041619-C

Tot Ion: 98 Resp: 509755

Ion Ratio Lower Upper

98 100

100 67.7 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD061799.D (-910) (-)

Ion 100.05 (99.75 to 100.75): VD061799.D (-910) (-)

250000

200000

150000

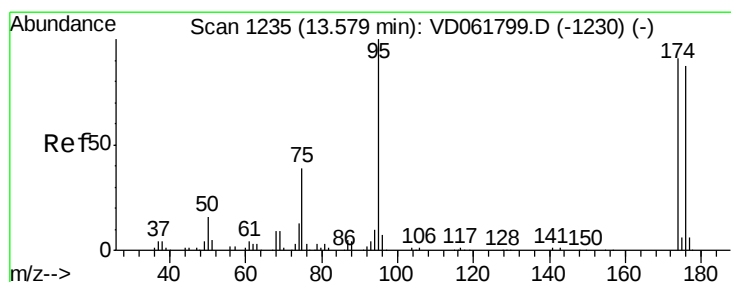
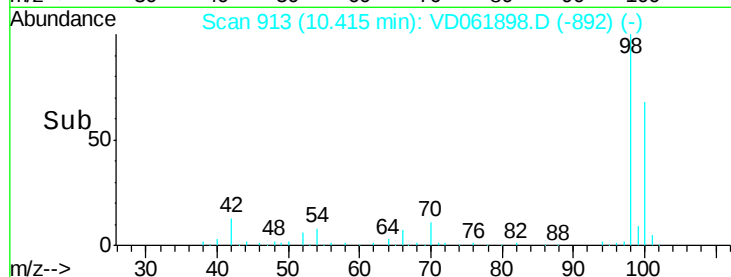
100000

50000

0

10.30 10.40 10.50 10.60

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061898.D

Acq: 19 Apr 2019 5:58

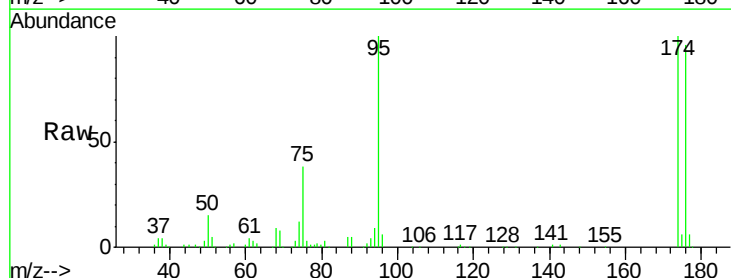
Tgt Ion: 95 Resp: 207561

Ion Ratio Lower Upper

95 100

174 99.7 0.0 181.8

176 96.1 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD061799.D (-1230) (-)

Ion 173.90 (173.60 to 174.60): VD061799.D (-1230) (-)

Ion 175.90 (175.60 to 176.60): VD061799.D (-1230) (-)

200000

150000

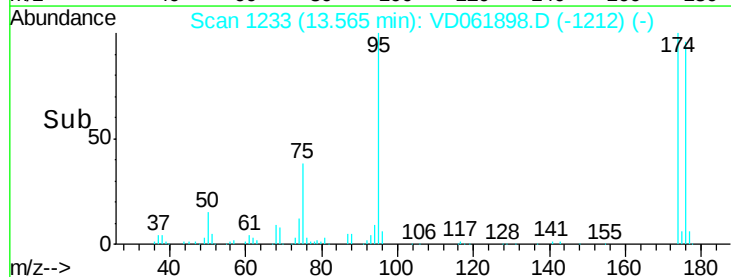
100000

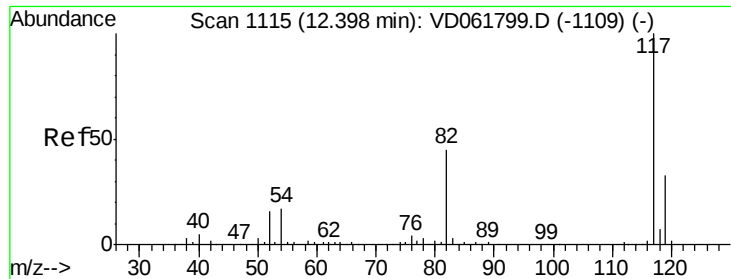
50000

0

13.50 13.60

Time-->

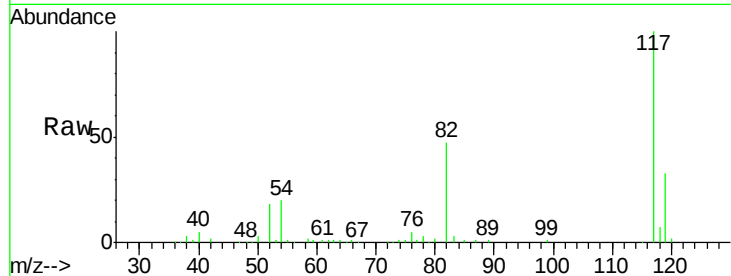




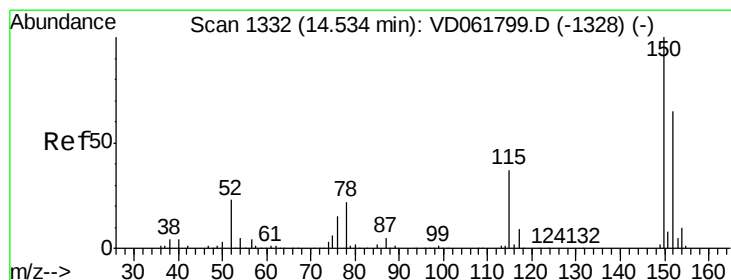
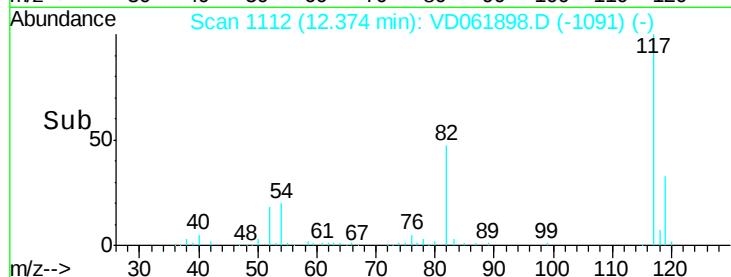
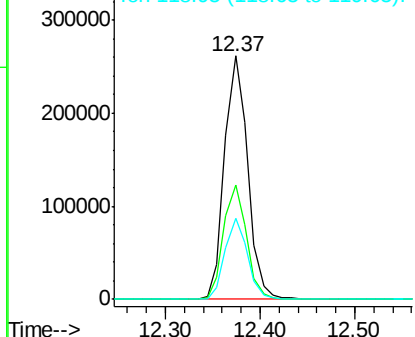
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061898.D
Acq: 19 Apr 2019 5:58

Instrument :
MSVOA_D
ClientSampleId :
CL-01-041619-C

Tot Ion:117 Resp: 443695
Ion Ratio Lower Upper
117 100
82 47.1 36.2 54.2
119 33.3 26.2 39.4

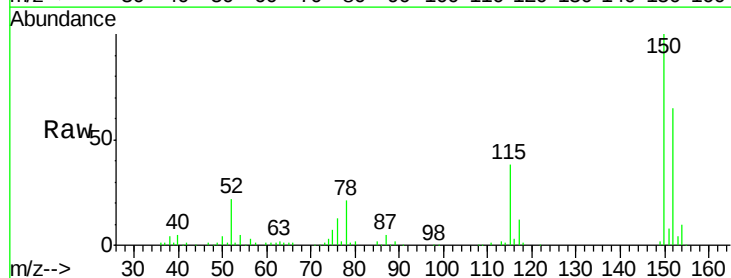


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

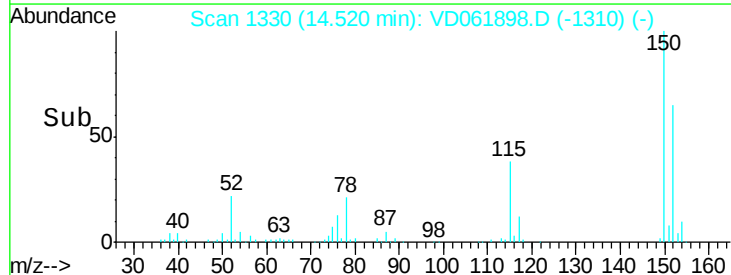
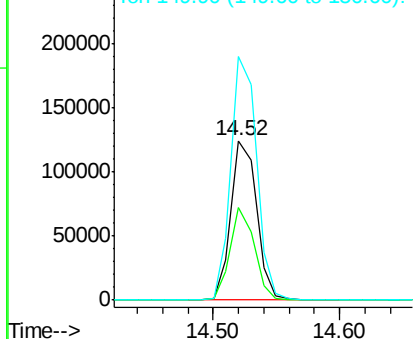


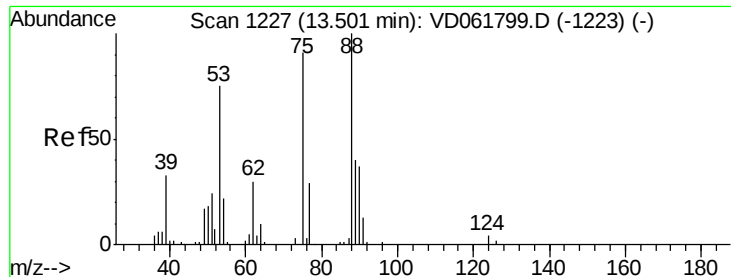
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061898.D
Acq: 19 Apr 2019 5:58

Tgt Ion:152 Resp: 173781
Ion Ratio Lower Upper
152 100
115 58.4 30.9 92.7
150 153.0 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: 104.950 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.10 min

Lab File: VD061898.D

Acq: 19 Apr 2019 5:58

Instrument :

MSVOA_D

ClientSampleId :

CL-01-041619-C

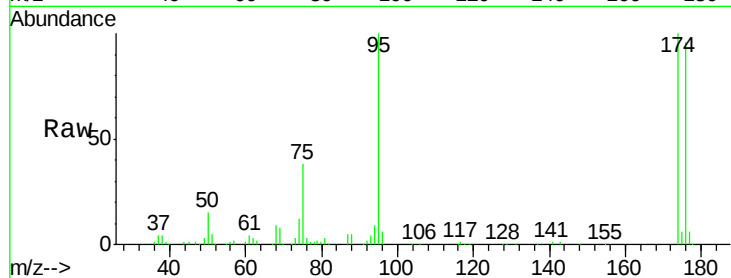
Tot Ion: 75 Resp: 80526

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

