

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041819\
 Data File : VD061900.D
 Acq On : 19 Apr 2019 6:55
 Operator : VA/AP
 Sample : K2197-13
 Misc : 6.56g/5ml/MSVOA D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

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

Quant Time: Apr 19 08:03:02 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	380609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	596570	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	468928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	195857	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	195606	61.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.64%	
35) Dibromofluoromethane	6.93	113	275824	61.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.40%	
50) Toluene-d8	10.42	98	581077	54.41	ug/l	0.02
Spiked Amount 50.000			Recovery	=	108.82%	
62) 4-Bromofluorobenzene	13.57	95	221188	51.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.20%	

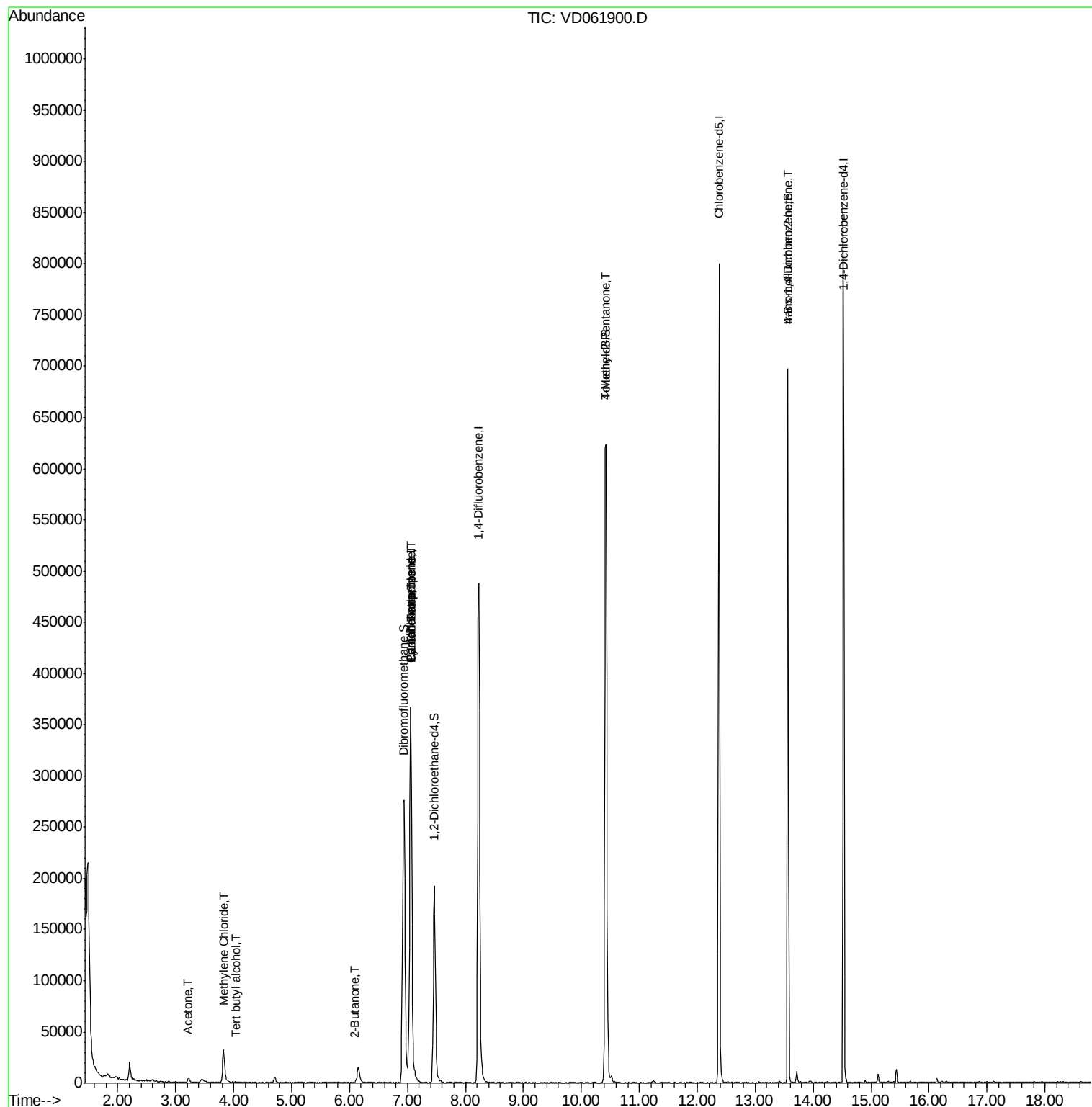
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	233	Below Cal	#	12
11) Tert butyl alcohol	4.04	59	770	4.093	ug/l #	76
16) Acetone	3.22	43	7411	9.427	ug/l #	85
20) Methylene Chloride	3.83	84	23844	1.667	ug/l	94
25) 2-Butanone	6.08	43	902	1.008	ug/l #	56
31) Cyclohexane	7.06	56	6752	1.398	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	28319	5.809	ug/l #	48
38) Carbon Tetrachloride	7.06	117	36435	5.919	ug/l #	15
51) 4-Methyl-2-Pentanone	10.42	43	1914	1.066	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	83585	96.920	ug/l #	16

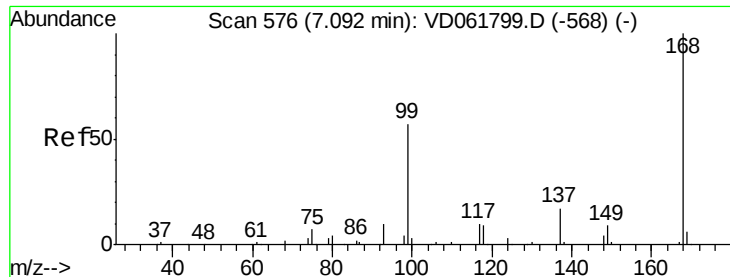
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD061900.D

Acq: 19 Apr 2019 6:55

Instrument :

MSVOA_D

ClientSampleId :

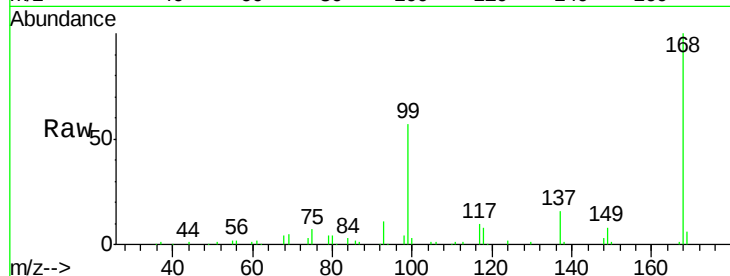
CL-01-041619-E

Tot Ion:168 Resp: 380609

Ion Ratio Lower Upper

168 100

99 57.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

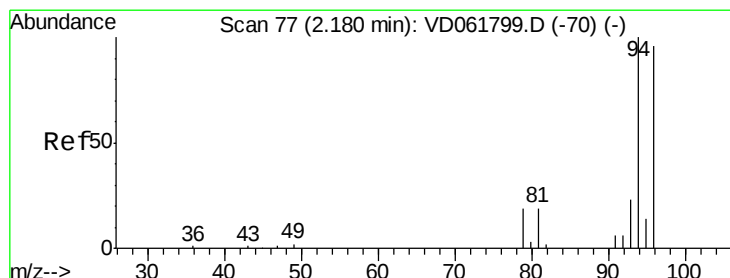
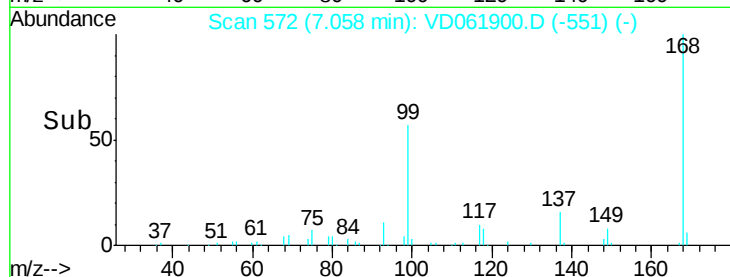
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.16 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD061900.D

Acq: 19 Apr 2019 6:55

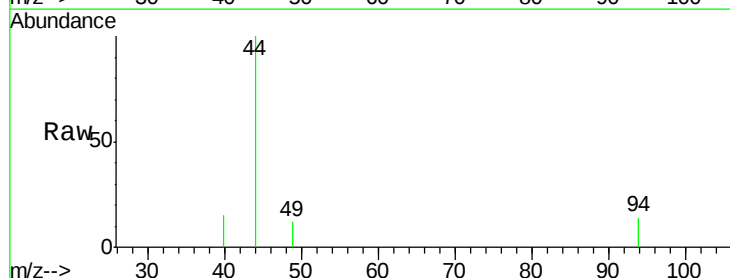
Tgt Ion: 94 Resp: 233

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

500

400

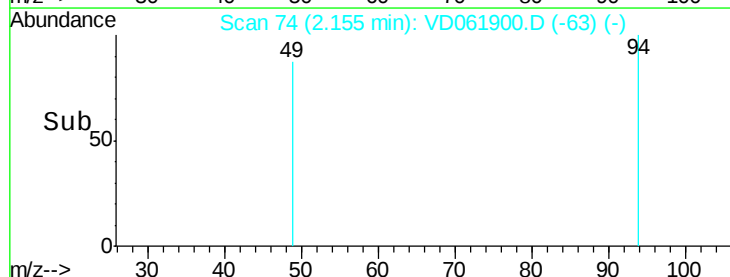
300

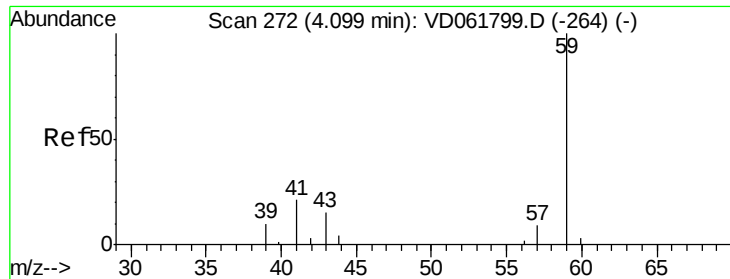
200

100

0

Time-->

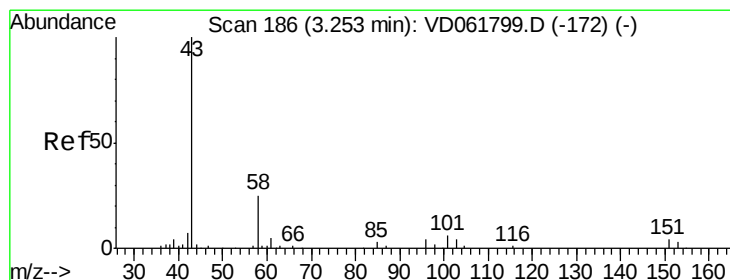
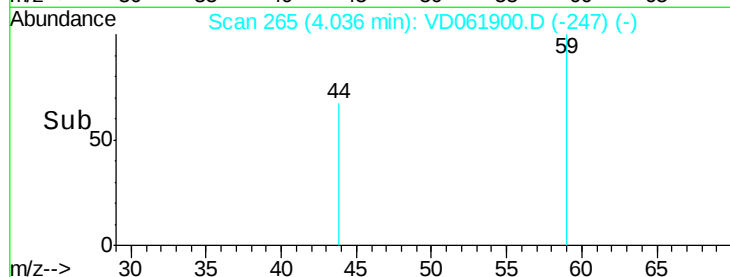
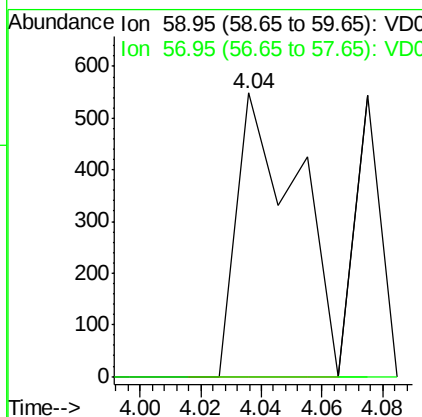
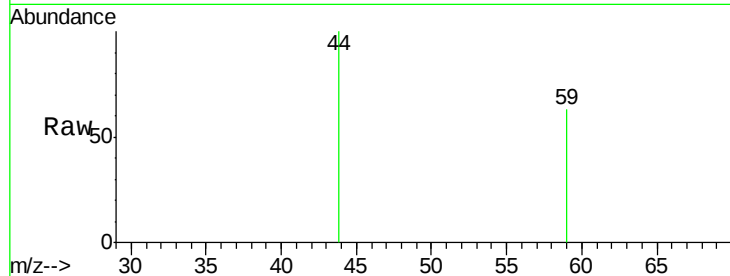




#11
Tert butyl alcohol
Concen: 4.093 ug/l
RT: 4.04 min Scan# 265
Delta R.T. -0.02 min
Lab File: VD061900.D
Acq: 19 Apr 2019 6:55

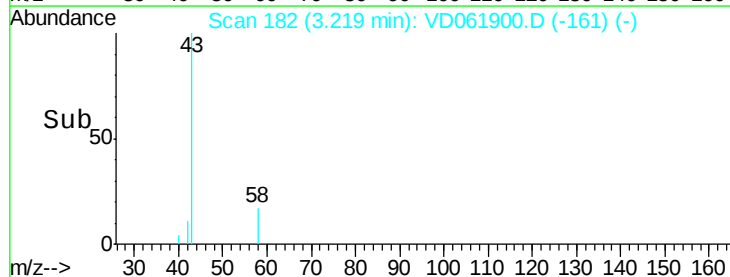
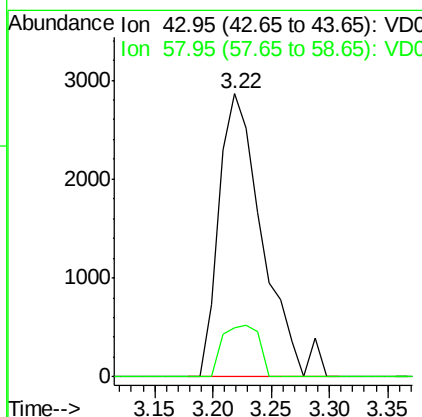
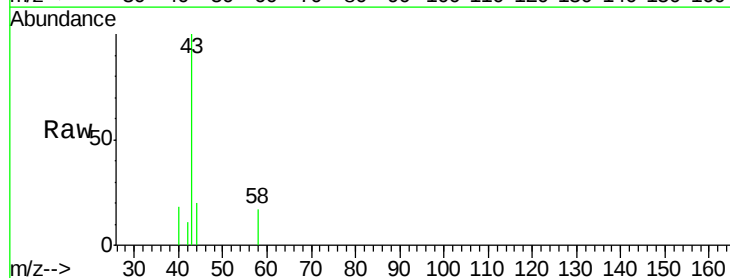
Instrument :
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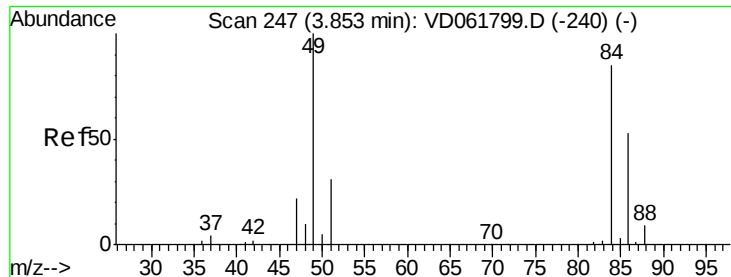
Tot Ion: 59 Resp: 770
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#



#16
Acetone
Concen: 9.427 ug/l
RT: 3.22 min Scan# 182
Delta R.T. 0.01 min
Lab File: VD061900.D
Acq: 19 Apr 2019 6:55

Tgt Ion: 43 Resp: 7411
Ion Ratio Lower Upper
43 100
58 17.2 19.9 29.9#

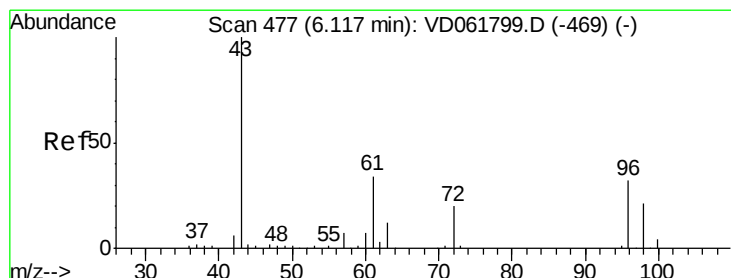
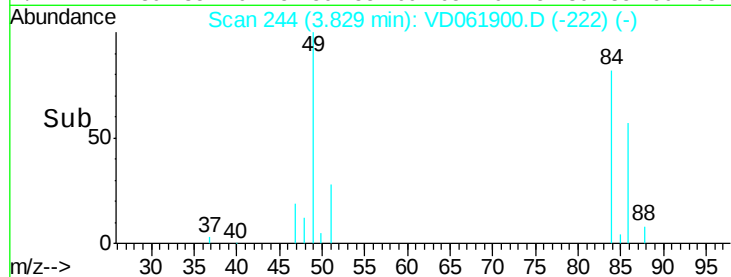
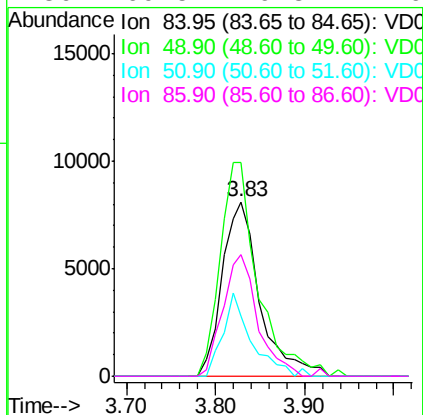
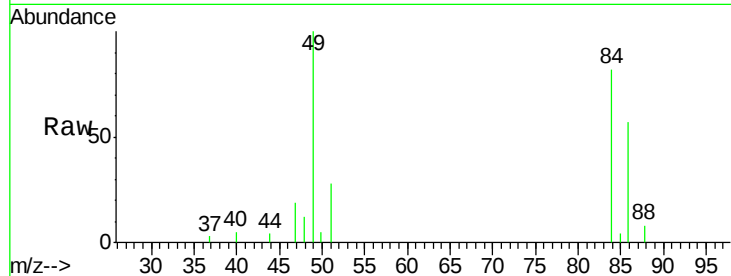




#20
Methvlene Chloride
Concen: 1.667 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.02 min
Lab File: VD061900.D
Acq: 19 Apr 2019 6:55

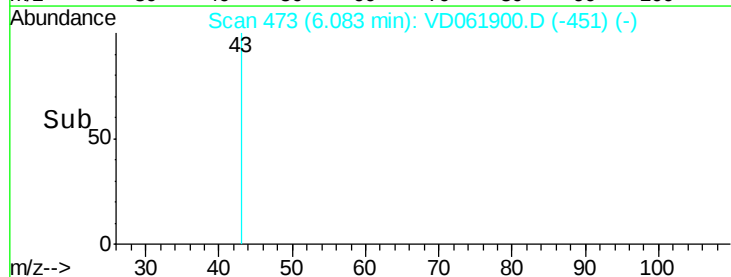
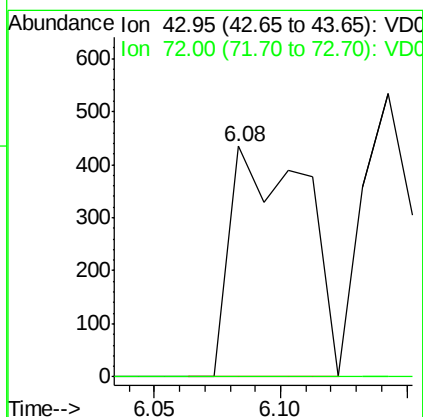
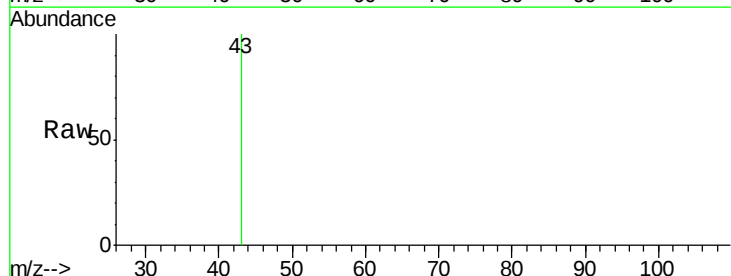
Instrument :
MSVOA_D
ClientSampleId :
CL-01-041619-E

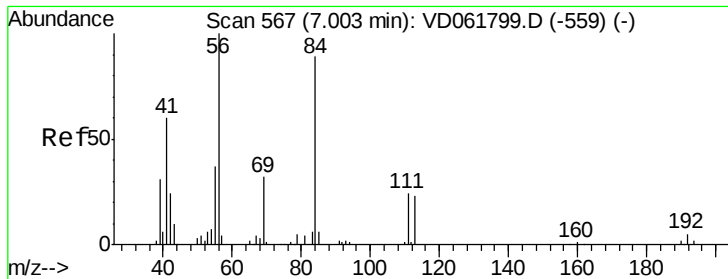
Tot Ion: 84 Resp: 23844
Ion Ratio Lower Upper
84 100
49 122.5 94.0 141.0
51 34.4 29.0 43.4
86 69.5 49.8 74.6



#25
2-Butanone
Concen: 1.008 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.02 min
Lab File: VD061900.D
Acq: 19 Apr 2019 6:55

Tgt Ion: 43 Resp: 902
Ion Ratio Lower Upper
43 100
72 0.0 16.2 24.4#





#31

Cvclohexane

Concen: 1.398 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.10 min

Lab File: VD061900.D

Acq: 19 Apr 2019 6:55

Instrument :

MSVOA_D

ClientSampleId :

CL-01-041619-E

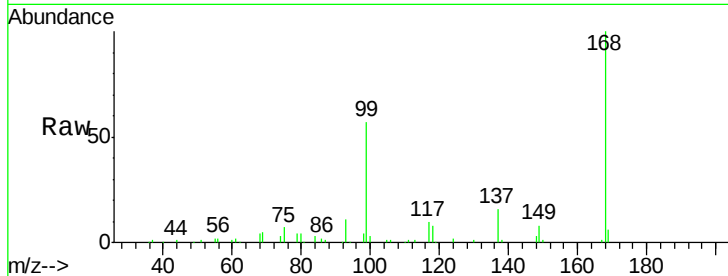
Tot Ion: 56 Resp: 6752

Ion Ratio Lower Upper

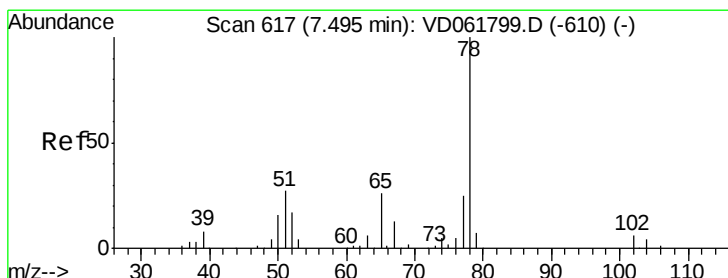
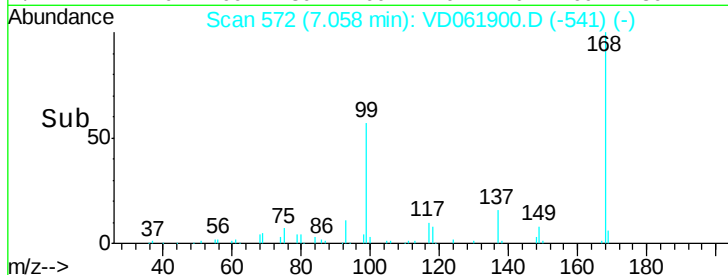
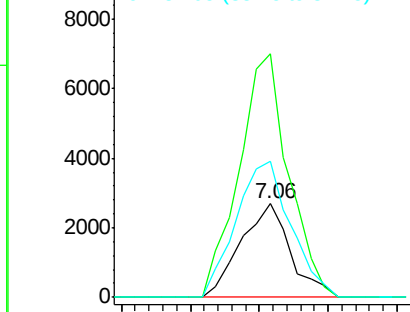
56 100

69 260.1 25.8 38.6#

84 145.2 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: VD061900.D

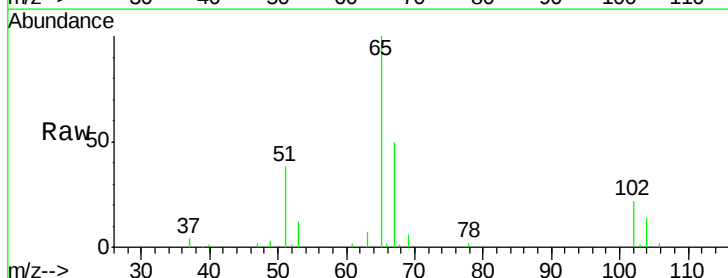
Acq: 19 Apr 2019 6:55

Tgt Ion: 65 Resp: 195606

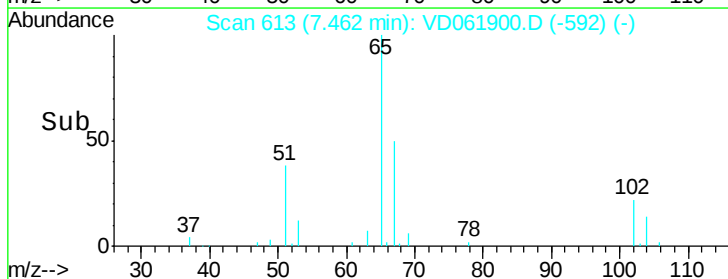
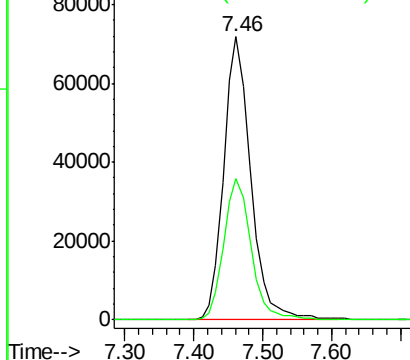
Ion Ratio Lower Upper

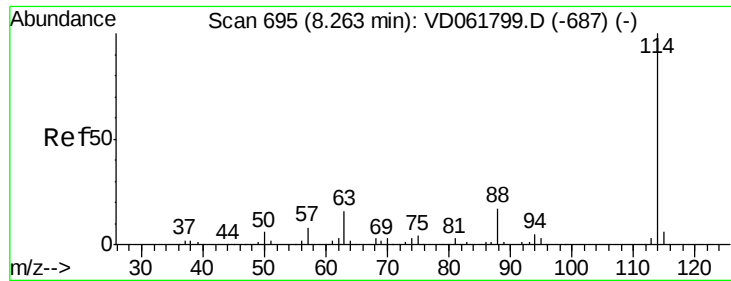
65 100

67 49.7 0.0 98.0



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

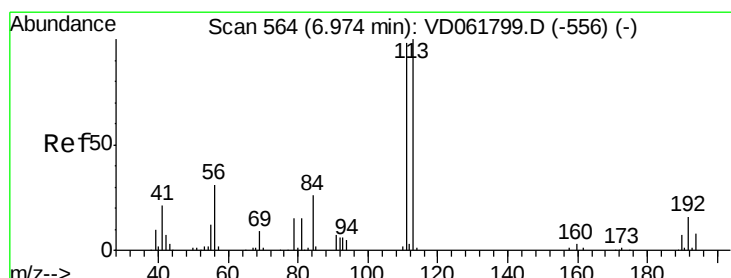
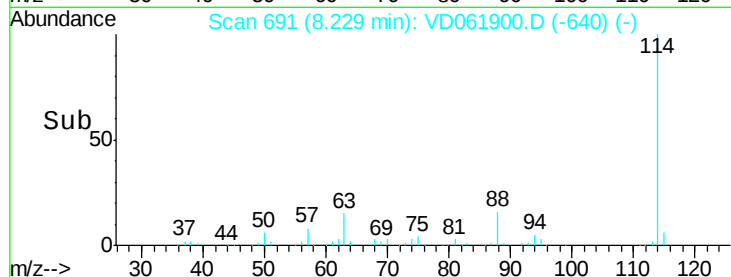
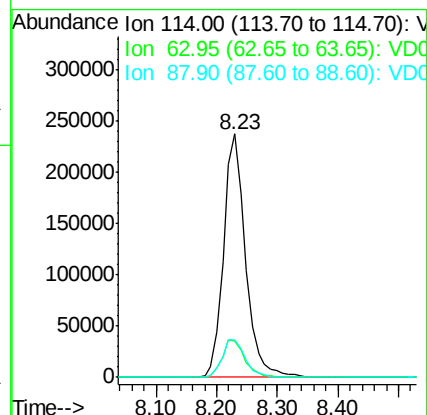
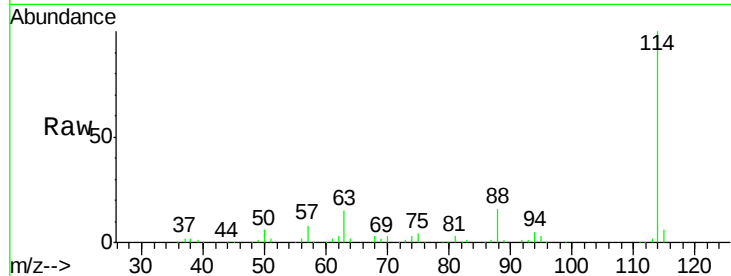




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD061900.D
 Acq: 19 Apr 2019 6:55

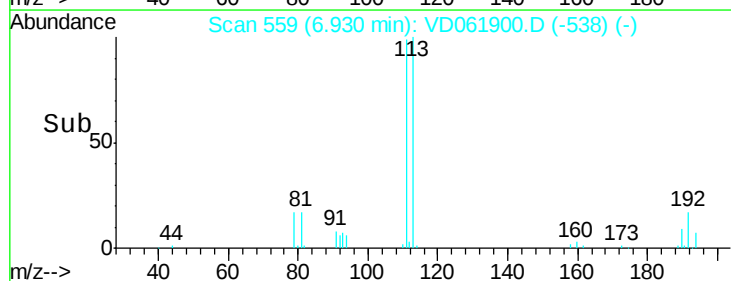
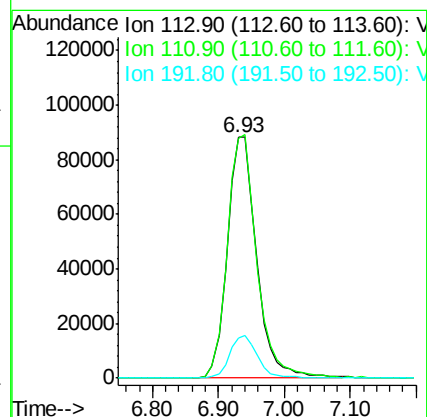
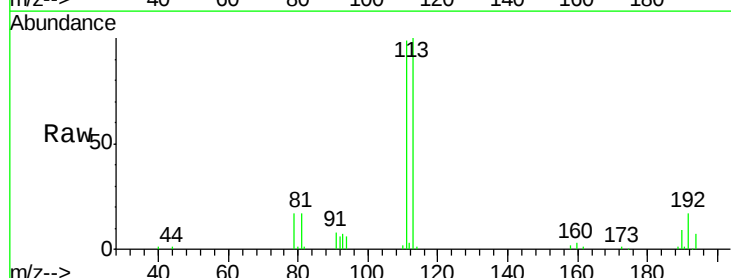
Instrument :
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 CL-01-041619-E

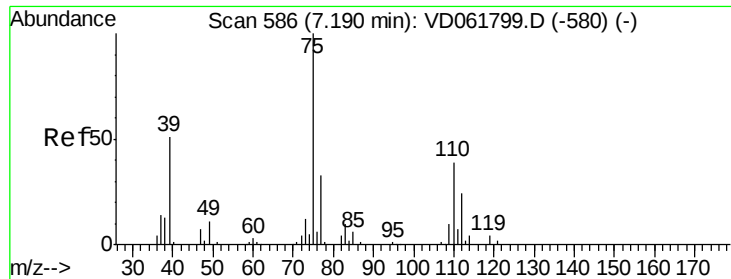
Tot Ion:114 Resp: 596570
 Ion Ratio Lower Upper
 114 100
 63 14.8 0.0 32.4
 88 15.5 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.01 min
 Lab File: VD061900.D
 Acq: 19 Apr 2019 6:55

Tgt Ion:113 Resp: 275824
 Ion Ratio Lower Upper
 113 100
 111 99.4 78.5 117.7
 192 16.6 13.0 19.4





#36

1,1-Dichloropropene

Concen: 5.809 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD061900.D

Acq: 19 Apr 2019 6:55

Instrument :

MSVOA_D

ClientSampleId :

CL-01-041619-E

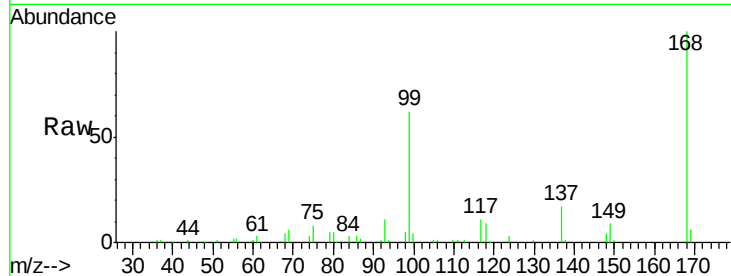
Tot Ion: 75 Resp: 28319

Ion Ratio Lower Upper

75 100

110 8.9 19.1 57.1#

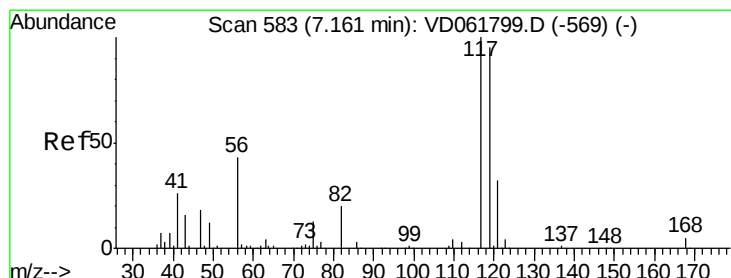
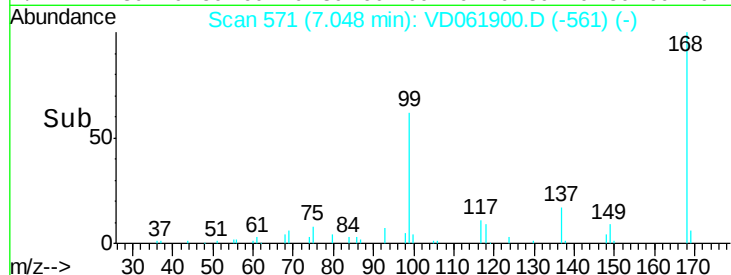
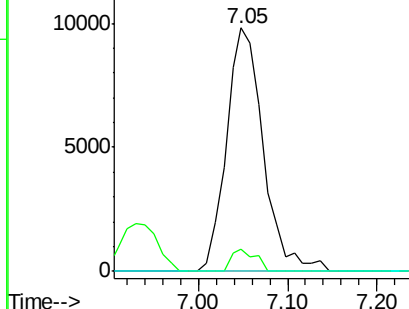
77 0.0 25.6 38.4#



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: 5.919 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.05 min

Lab File: VD061900.D

Acq: 19 Apr 2019 6:55

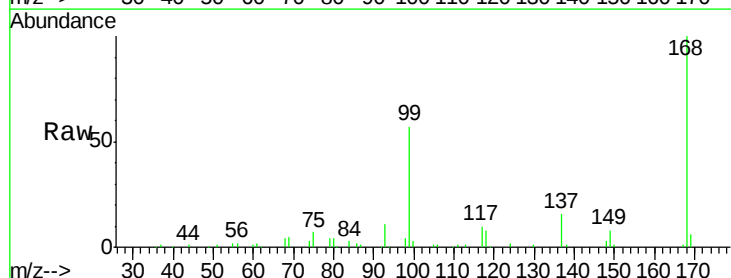
Tgt Ion: 117 Resp: 36435

Ion Ratio Lower Upper

117 100

119 3.9 75.8 113.8#

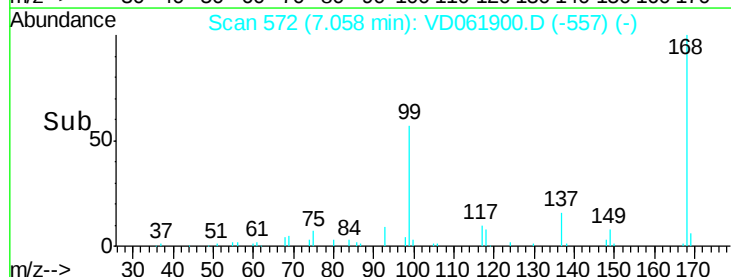
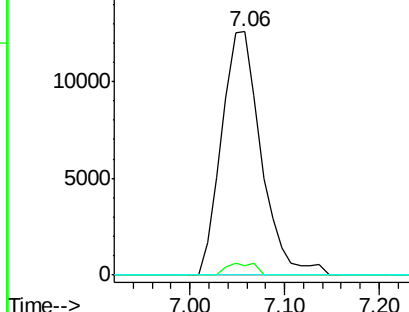
121 0.0 25.9 38.9#

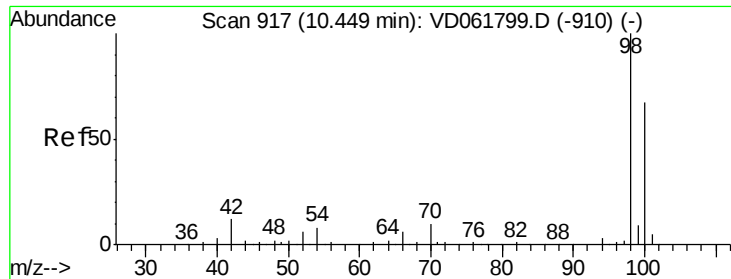


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

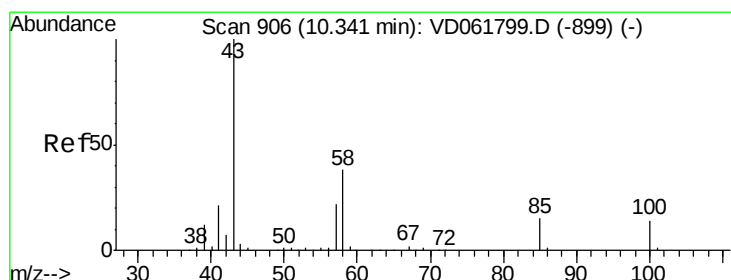
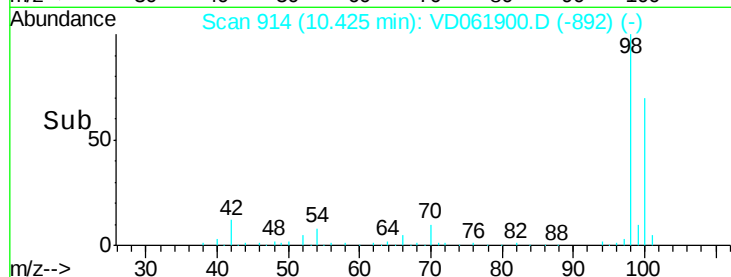
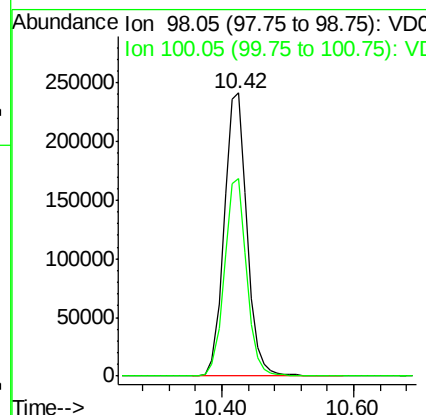
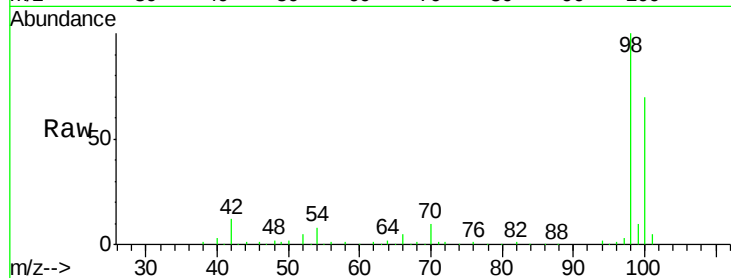




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD061900.D
Acq: 19 Apr 2019 6:55

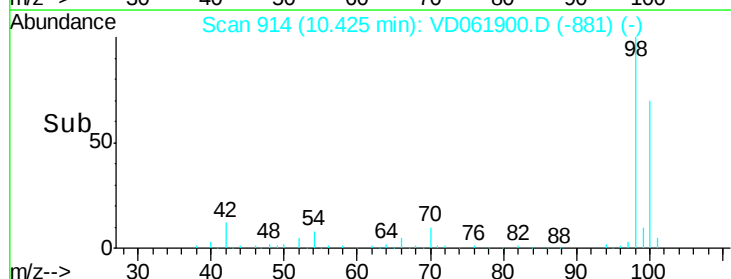
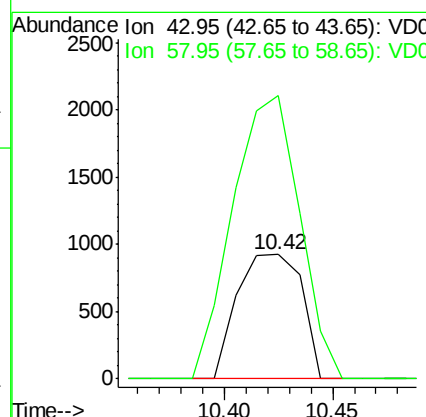
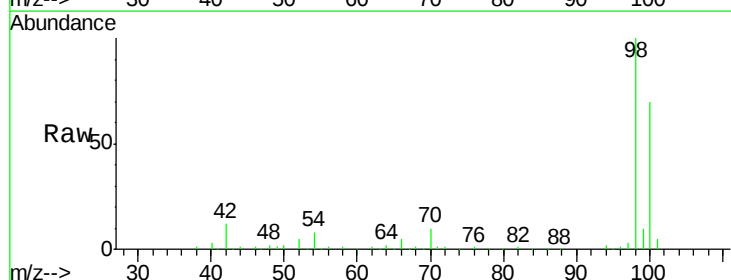
Instrument :
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ClientSampleId :
CL-01-041619-E

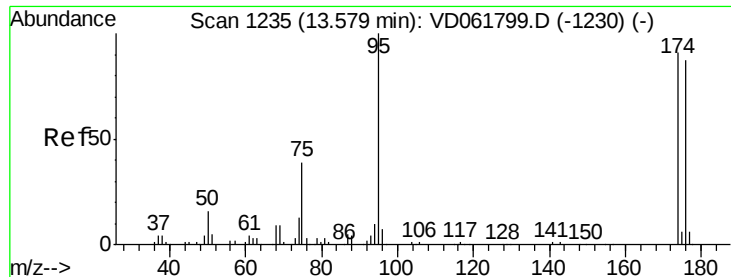
Tot Ion: 98 Resp: 581077
Ion Ratio Lower Upper
98 100
100 70.0 53.8 80.8



#51
4-Methyl-2-Pentanone
Concen: 1.066 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.12 min
Lab File: VD061900.D
Acq: 19 Apr 2019 6:55

Tgt Ion: 43 Resp: 1914
Ion Ratio Lower Upper
43 100
58 227.4 30.4 45.6#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061900.D

Acq: 19 Apr 2019 6:55

Instrument :

MSVOA_D

ClientSampleId :

CL-01-041619-E

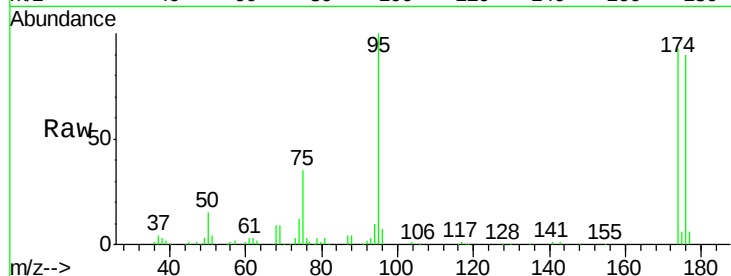
Tot Ion: 95 Resp: 221188

Ion Ratio Lower Upper

95 100

174 92.7 0.0 181.8

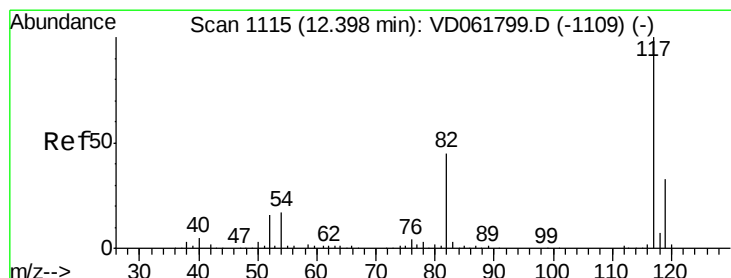
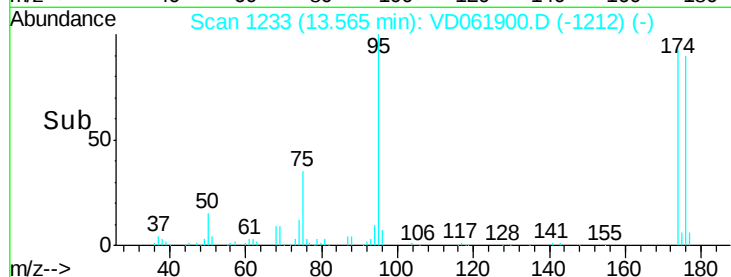
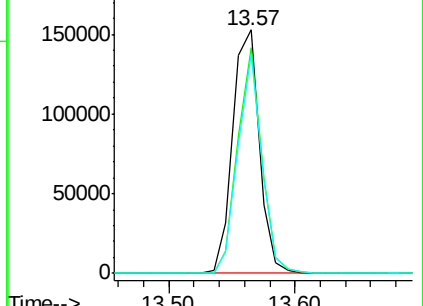
176 90.2 0.0 174.4



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: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD061900.D

Acq: 19 Apr 2019 6:55

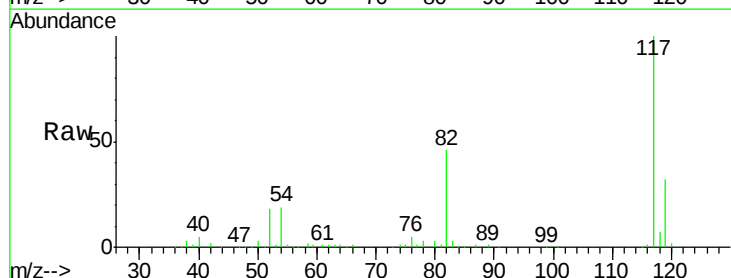
Tgt Ion: 117 Resp: 468928

Ion Ratio Lower Upper

117 100

82 46.1 36.2 54.2

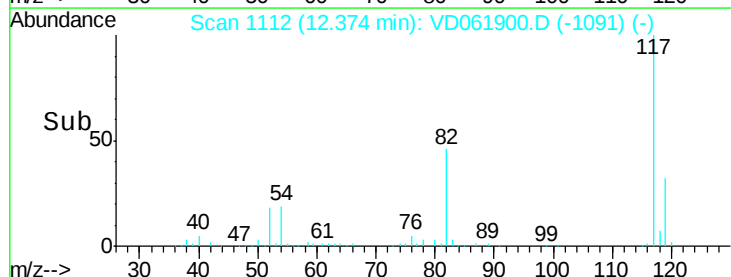
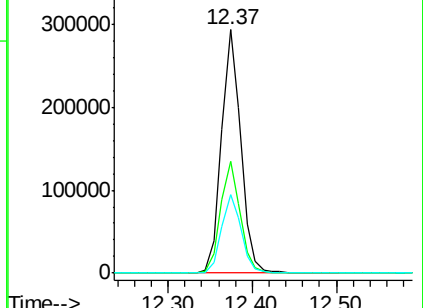
119 32.5 26.2 39.4

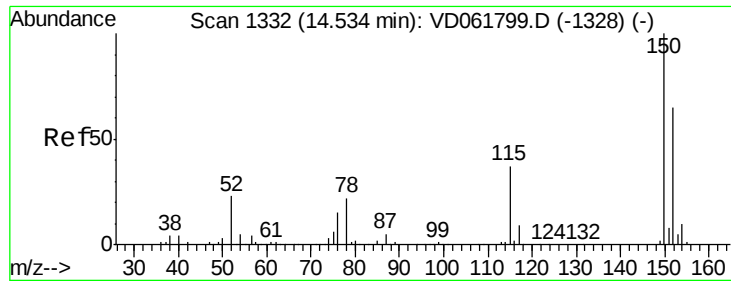


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD061900.D

Acq: 19 Apr 2019 6:55

Instrument :

MSVOA_D

ClientSampleId :

CL-01-041619-E

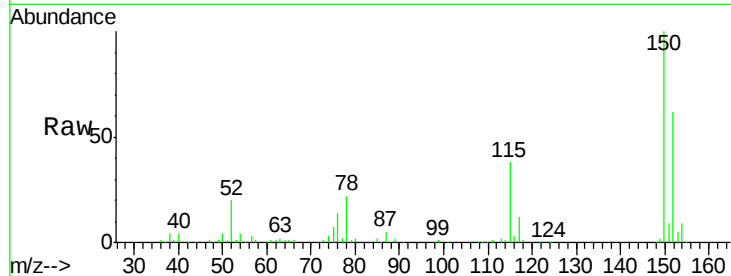
Tot Ion:152 Resp: 195857

Ion Ratio Lower Upper

152 100

115 62.2 30.9 92.7

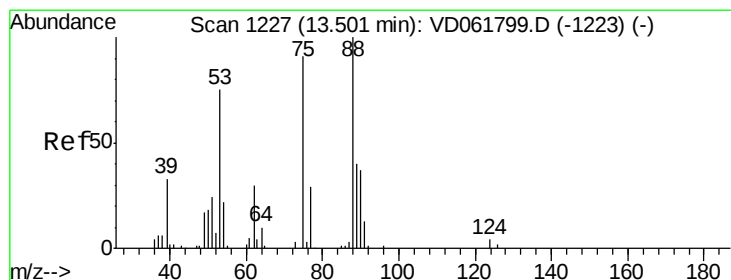
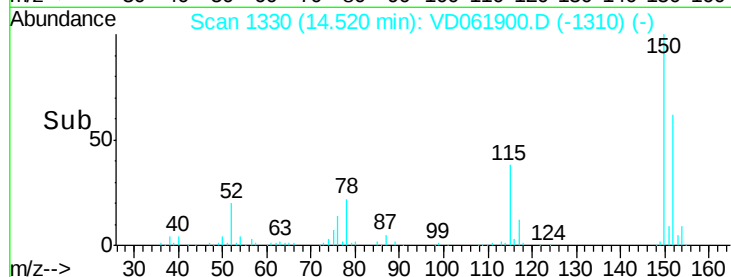
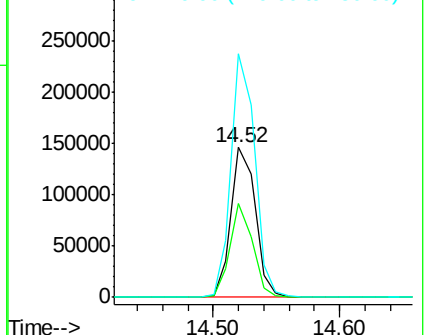
150 162.2 0.0 314.8



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: 96.920 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD061900.D

Acq: 19 Apr 2019 6:55

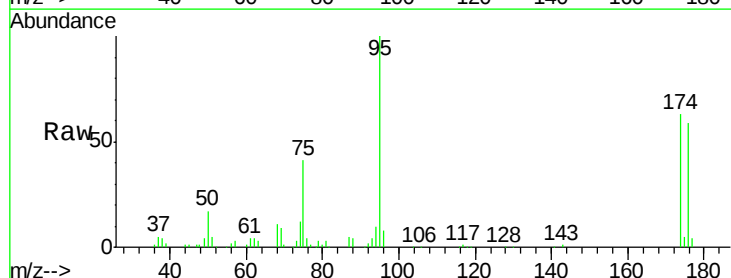
Tgt Ion: 75 Resp: 83585

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): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

