

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041819\
 Data File : VD061899.D
 Acq On : 19 Apr 2019 6:26
 Operator : VA/AP
 Sample : K2197-11
 Misc : 6.73g/5ml/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

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

Quant Time: Apr 19 08:02:50 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

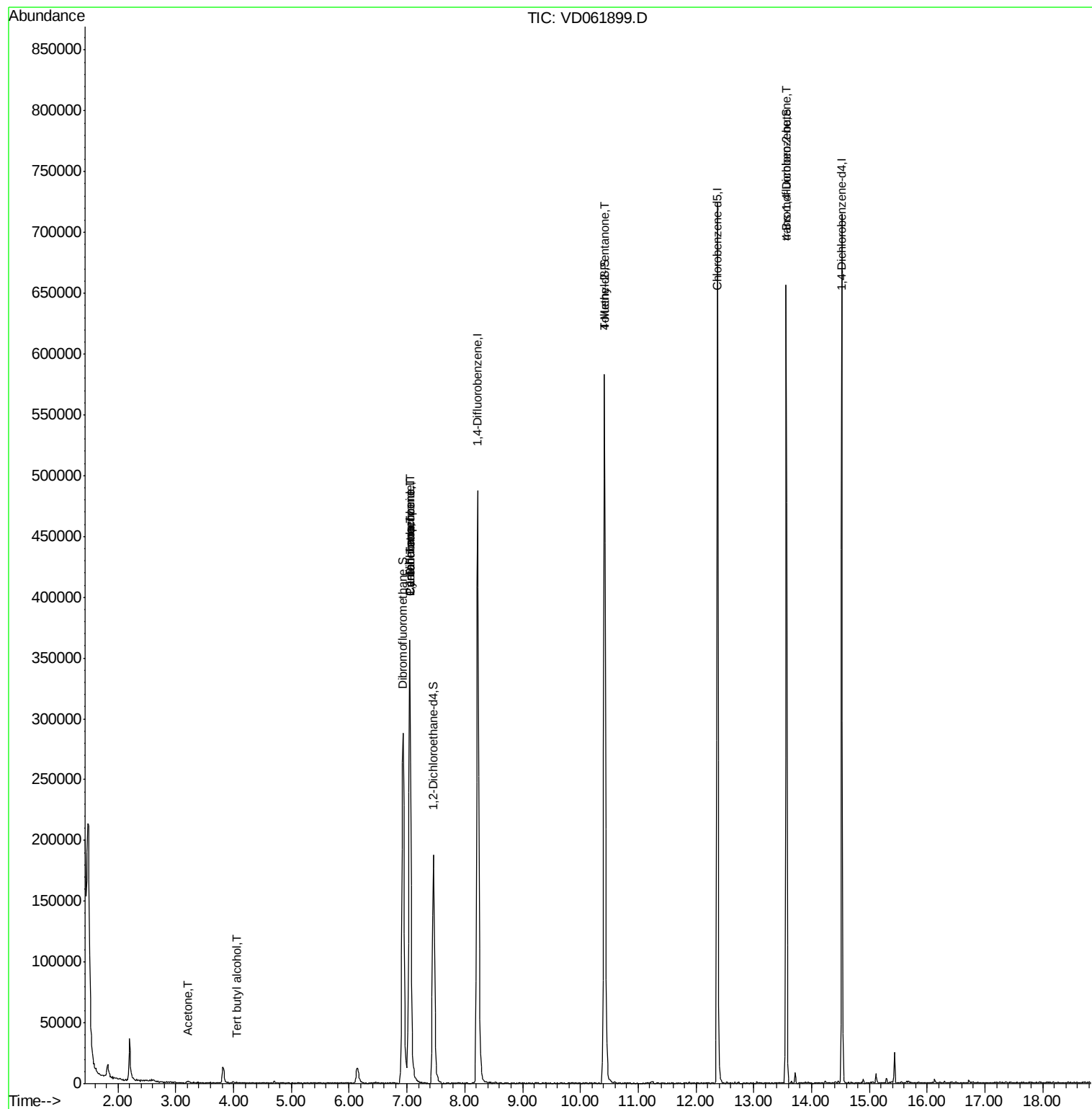
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	371240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	599322	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	463977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	166779	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	185155	59.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.02%	
35) Dibromofluoromethane	6.93	113	276047	60.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.94%	
50) Toluene-d8	10.42	98	519928	48.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	13.56	95	203860	46.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.76%	
Target Compounds						
5) Bromomethane	2.19	94	1109	Below Cal	#	12
11) Tert butyl alcohol	4.04	59	731	3.984	ug/l #	76
16) Acetone	3.21	43	3057	3.987	ug/l	93
20) Methylene Chloride	3.81	84	10279	Below Cal		90
31) Cyclohexane	7.04	56	5840	1.239	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	26550	5.421	ug/l #	46
38) Carbon Tetrachloride	7.05	117	37464	6.058	ug/l #	16
51) 4-Methyl-2-Pentanone	10.42	43	1958	1.085	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	78575	106.651	ug/l #	16

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041819\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
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: 7.05 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD061899.D

Acq: 19 Apr 2019 6:26

Instrument :

MSVOA_D

ClientSampleId :

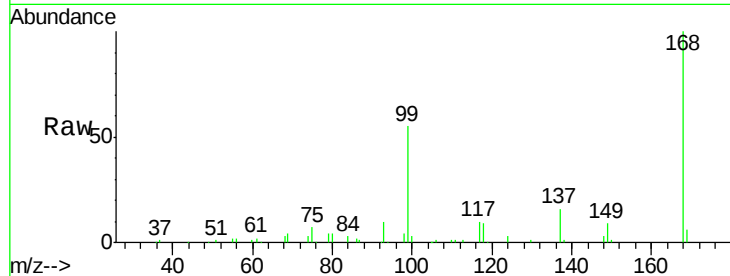
CL-01-041619-D

Tot Ion:168 Resp: 371240

Ion Ratio Lower Upper

168 100

99 55.1 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

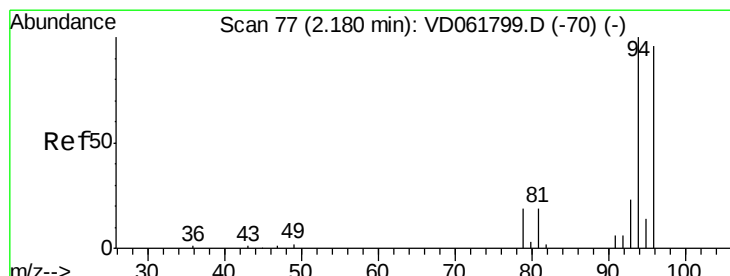
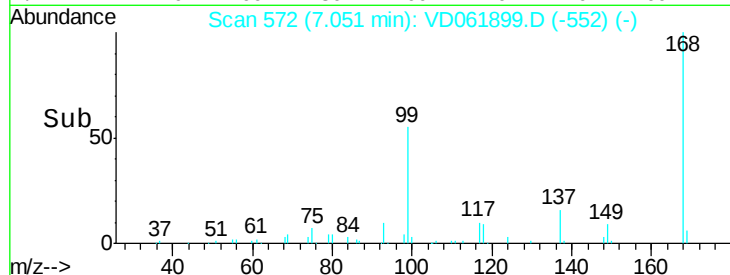
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.19 min Scan# 78

Delta R.T. 0.04 min

Lab File: VD061899.D

Acq: 19 Apr 2019 6:26

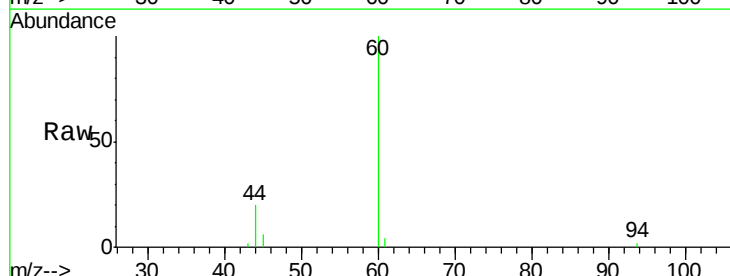
Tgt Ion: 94 Resp: 1109

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

600

500

400

300

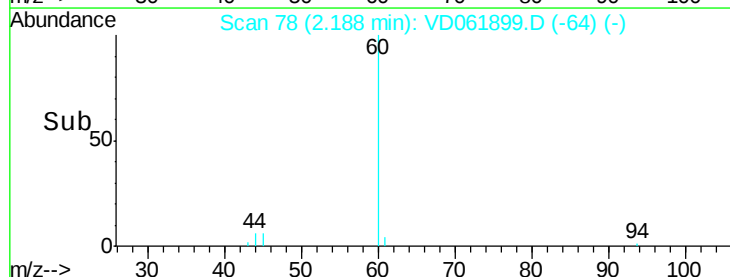
200

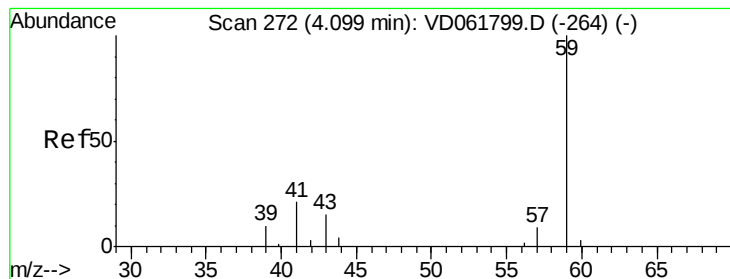
100

0

2.10 2.15 2.20

Time-->



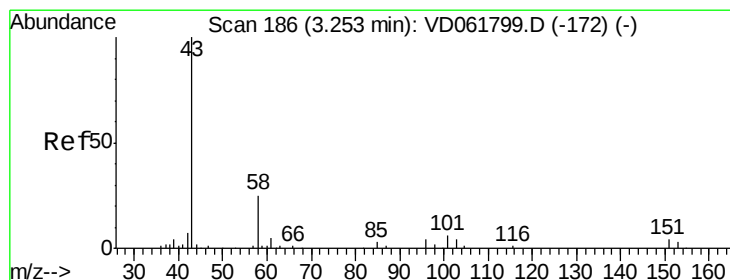
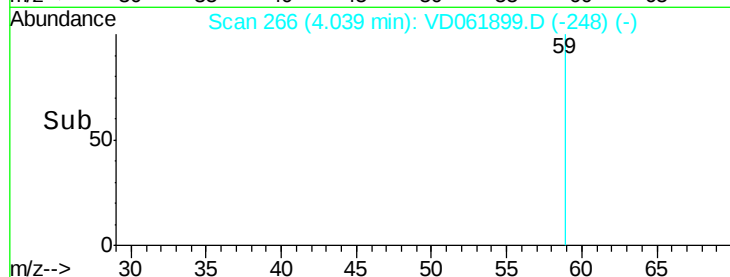
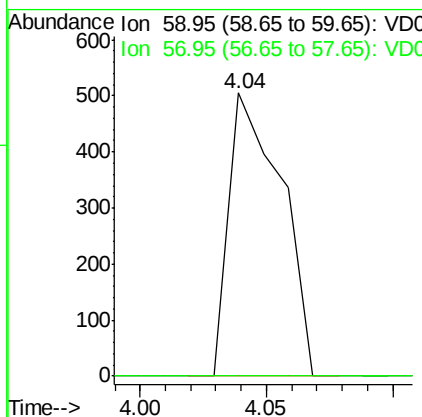
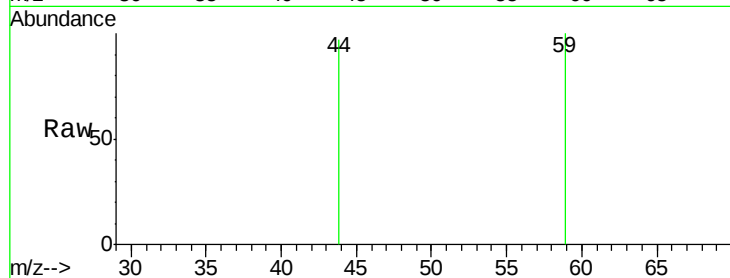


#11

Tert butyl alcohol
 Concen: 3.984 ug/l
 RT: 4.04 min Scan# 266
 Delta R.T. -0.02 min
 Lab File: VD061899.D
 Acq: 19 Apr 2019 6:26

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

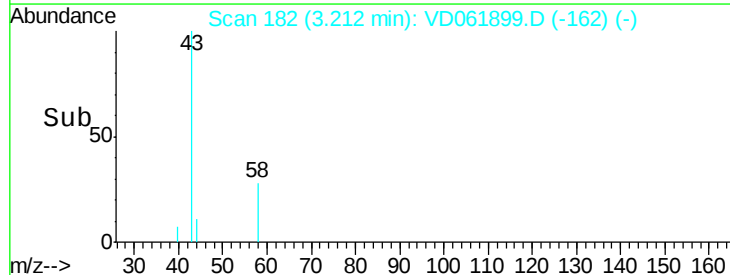
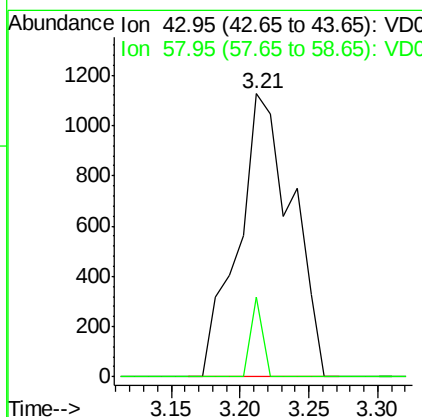
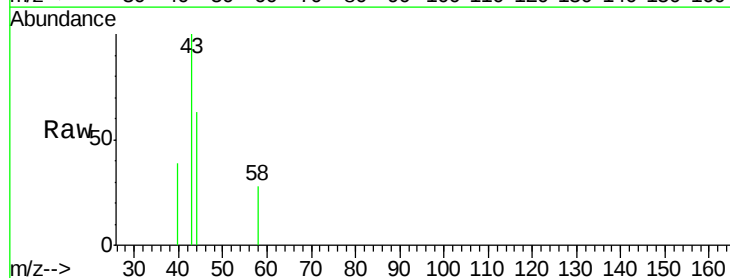
Tot Ion: 59 Resp: 731
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#

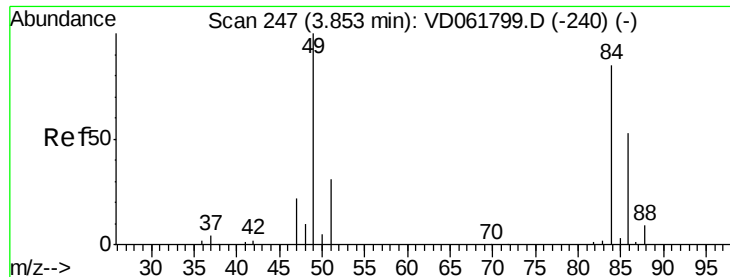


#16

Acetone
 Concen: 3.987 ug/l
 RT: 3.21 min Scan# 182
 Delta R.T. -0.00 min
 Lab File: VD061899.D
 Acq: 19 Apr 2019 6:26

Tgt Ion: 43 Resp: 3057
 Ion Ratio Lower Upper
 43 100
 58 28.3 19.9 29.9

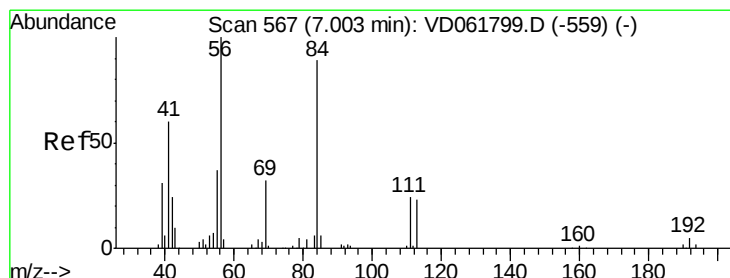
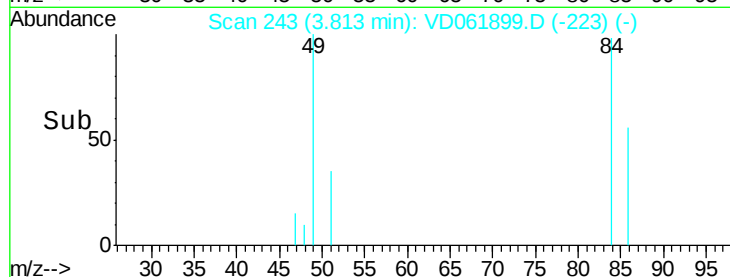
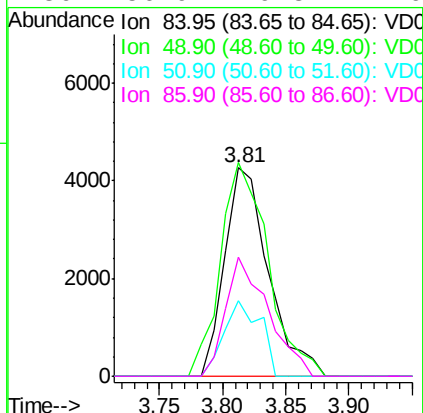
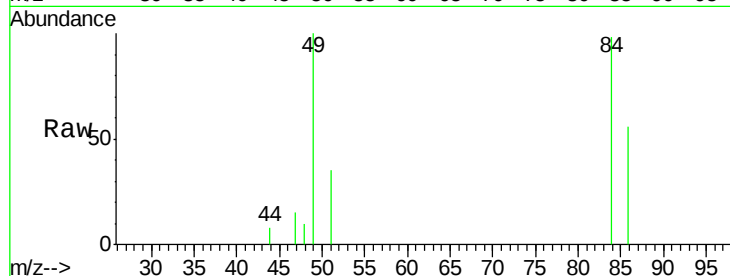




#20
Methylene Chloride
Concen: Below Cal
RT: 3.81 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD061899.D
Acq: 19 Apr 2019 6:26

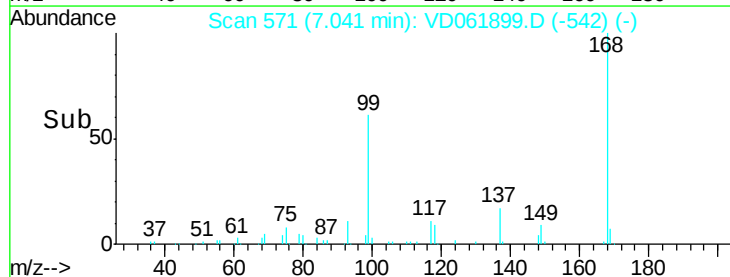
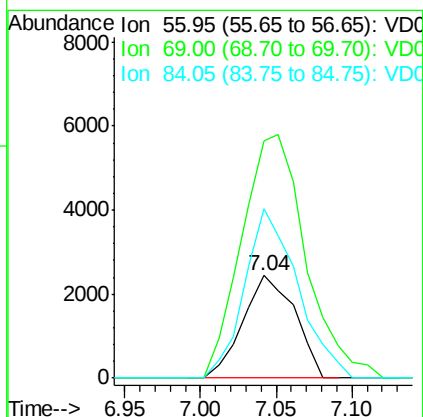
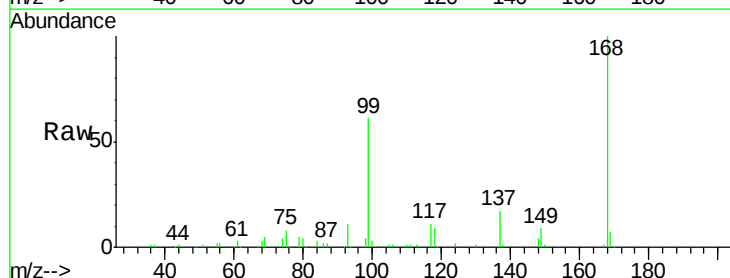
Instrument :
MSVOA_D
ClientSampleId :
CL-01-041619-D

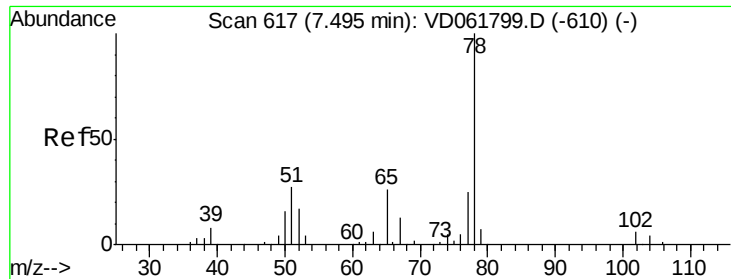
Tot Ion: 84 Resp: 10279
Ion Ratio Lower Upper
84 100
49 102.4 94.0 141.0
51 36.1 29.0 43.4
86 56.9 49.8 74.6



#31
Cyclohexane
Concen: 1.239 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.09 min
Lab File: VD061899.D
Acq: 19 Apr 2019 6:26

Tgt Ion: 56 Resp: 5840
Ion Ratio Lower Upper
56 100
69 231.4 25.8 38.6#
84 164.9 72.2 108.4#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.45 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD061899.D

Acq: 19 Apr 2019 6:26

Instrument :

MSVOA_D

ClientSampleId :

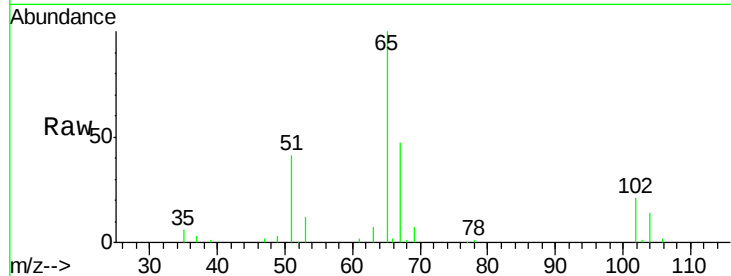
CL-01-041619-D

Tot Ion: 65 Resp: 185155

Ion Ratio Lower Upper

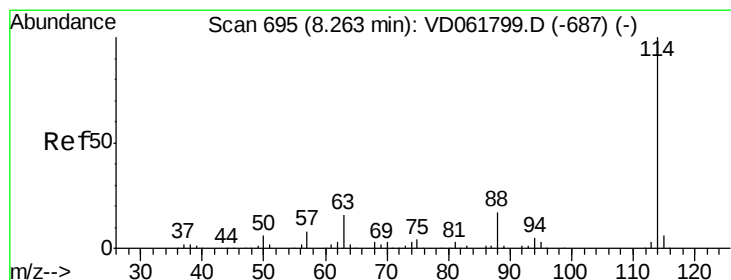
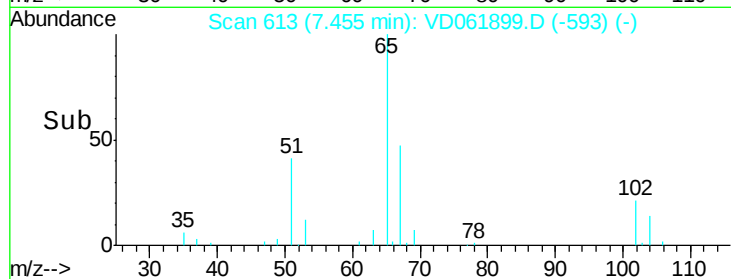
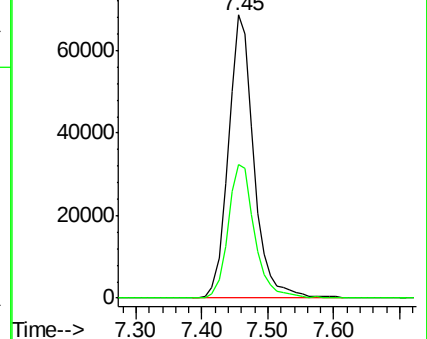
65 100

67 47.4 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. -0.00 min

Lab File: VD061899.D

Acq: 19 Apr 2019 6:26

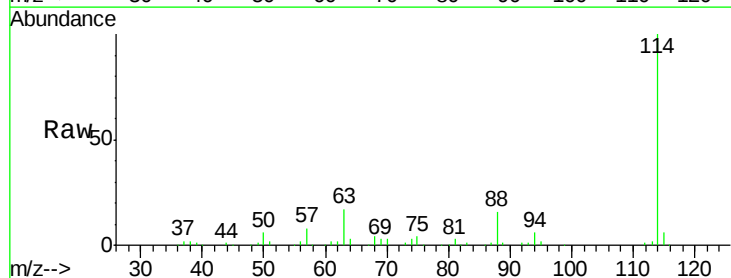
Tgt Ion: 114 Resp: 599322

Ion Ratio Lower Upper

114 100

63 16.8 0.0 32.4

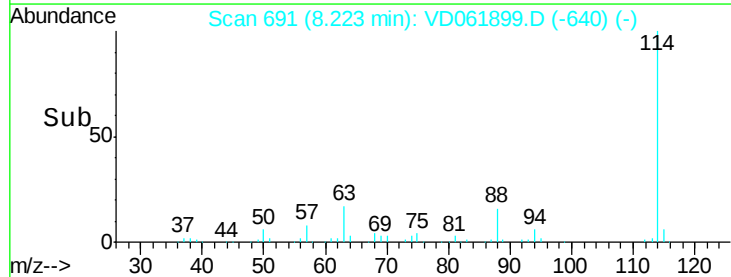
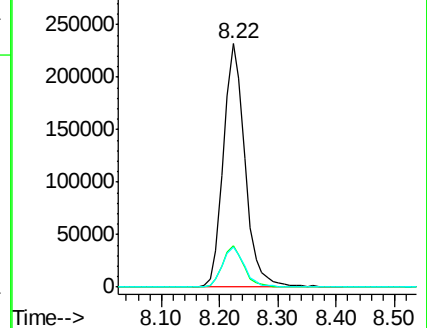
88 16.4 0.0 33.6

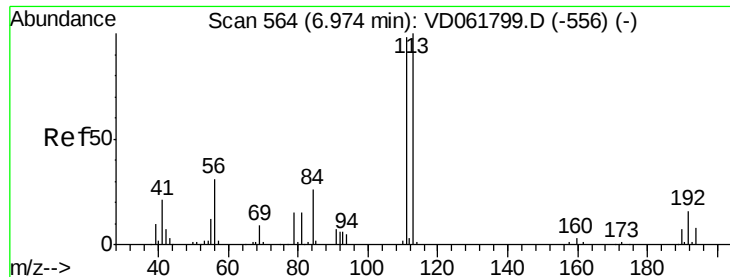


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD061899.D

Acq: 19 Apr 2019 6:26

Instrument :

MSVOA_D

ClientSampleId :

CL-01-041619-D

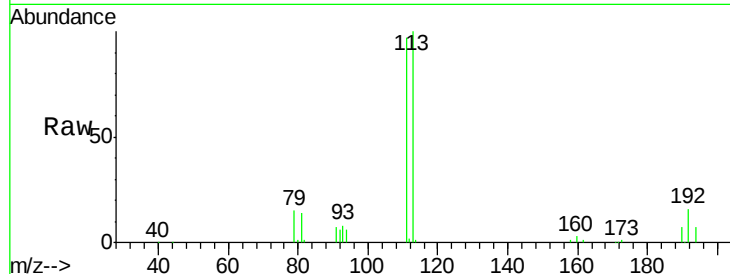
Tot Ion:113 Resp: 276047

Ion Ratio Lower Upper

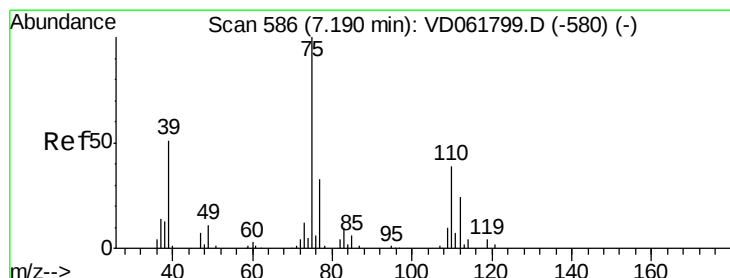
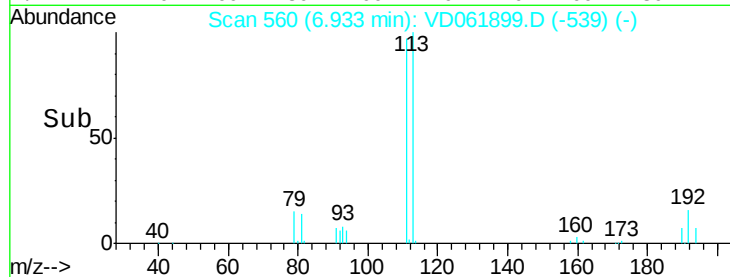
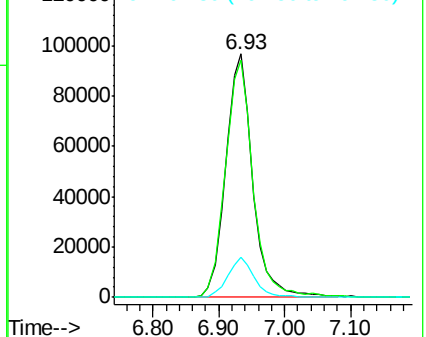
113 100

111 97.5 78.5 117.7

192 16.4 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: 5.421 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.11 min

Lab File: VD061899.D

Acq: 19 Apr 2019 6:26

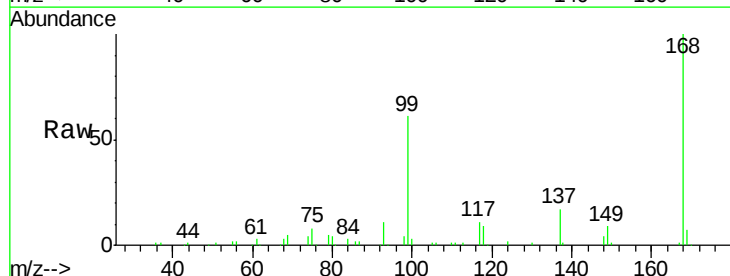
Tgt Ion: 75 Resp: 26550

Ion Ratio Lower Upper

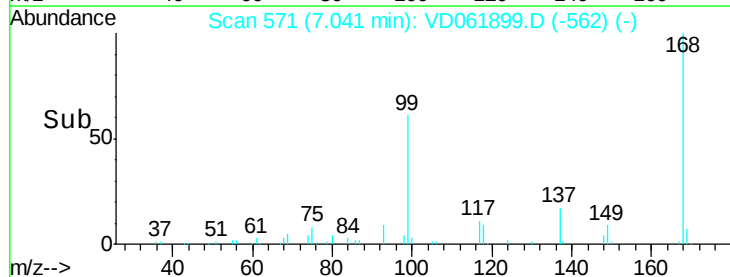
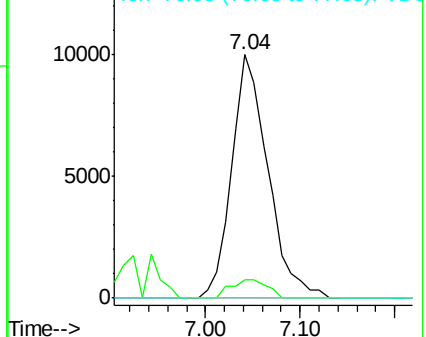
75 100

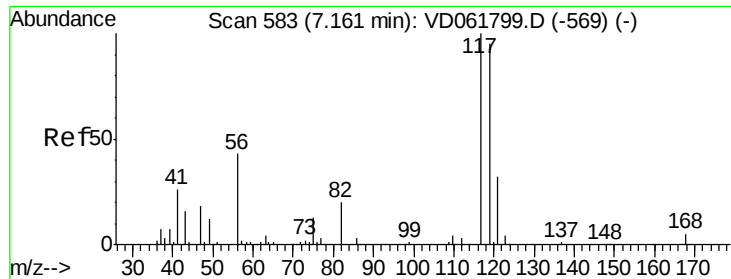
110 7.7 19.1 57.1#

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): V
Ion 76.95 (76.65 to 77.65): VDC

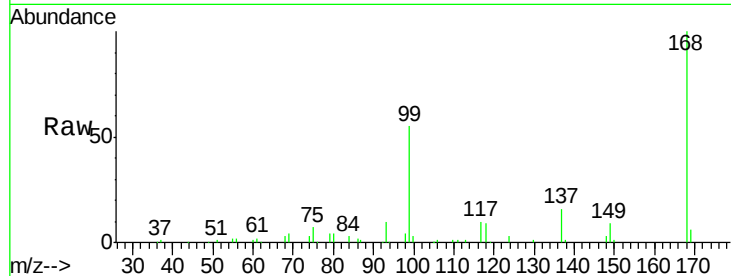




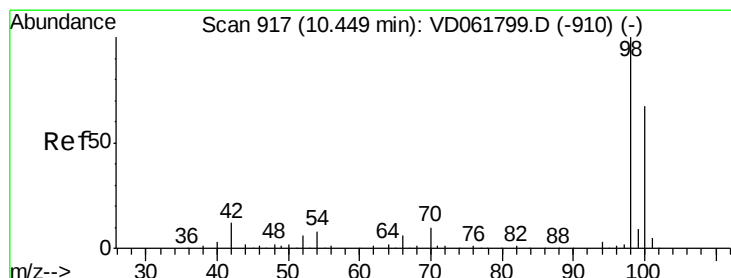
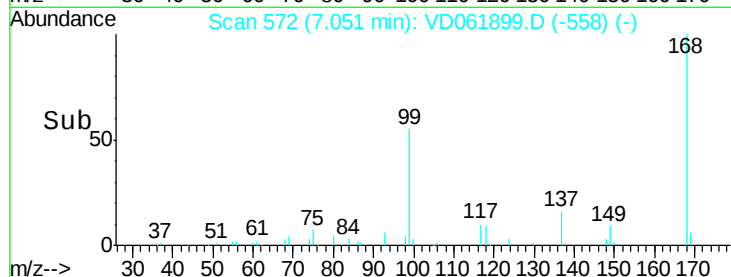
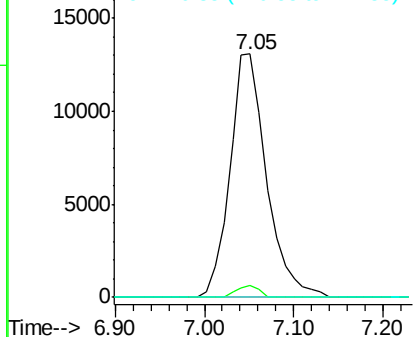
#38
Carbon Tetrachloride
Concen: 6.058 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.06 min
Lab File: VD061899.D
Acq: 19 Apr 2019 6:26

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

Tot Ion:117 Resp: 37464
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.8#
121 0.0 25.9 38.9#

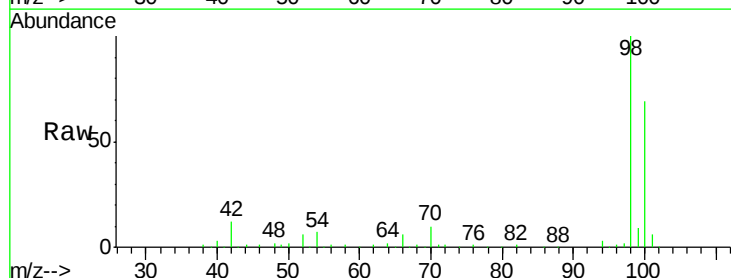


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

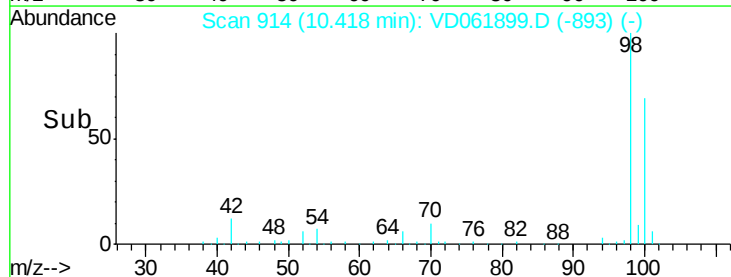
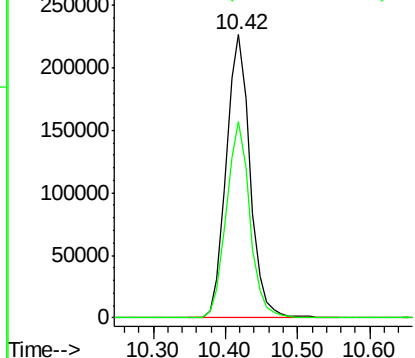


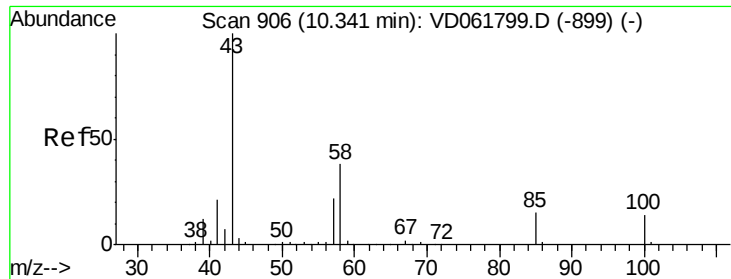
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD061899.D
Acq: 19 Apr 2019 6:26

Tgt Ion: 98 Resp: 519928
Ion Ratio Lower Upper
98 100
100 69.2 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: 1.085 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.12 min

Lab File: VD061899.D

Acq: 19 Apr 2019 6:26

Instrument :

MSVOA_D

ClientSampleId :

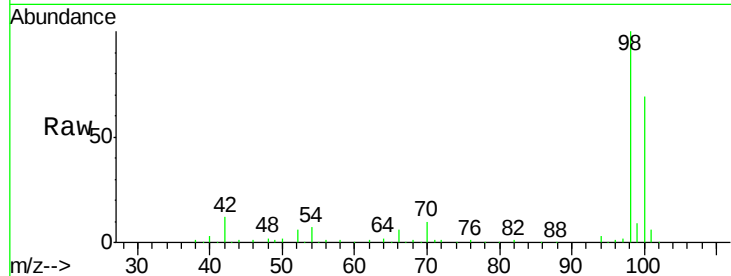
CL-01-041619-D

Tot Ion: 43 Resp: 1958

Ion Ratio Lower Upper

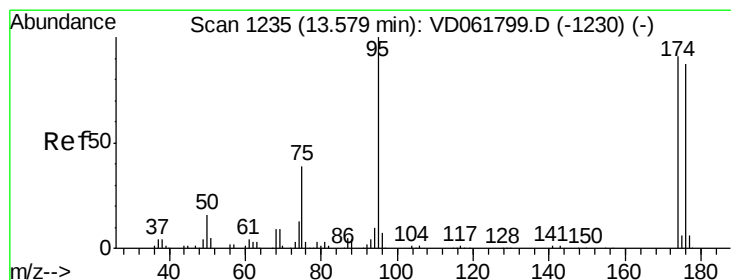
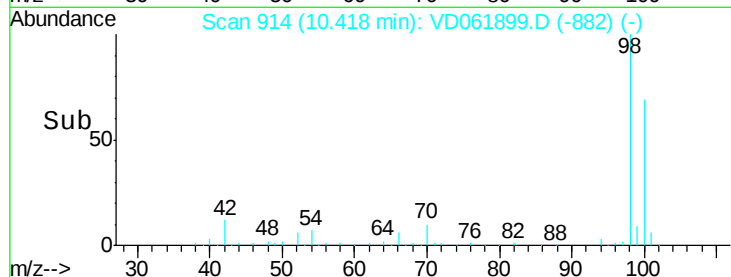
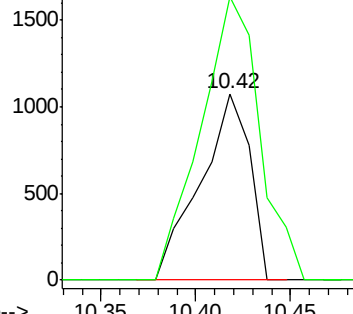
43 100

58 152.0 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. -0.00 min

Lab File: VD061899.D

Acq: 19 Apr 2019 6:26

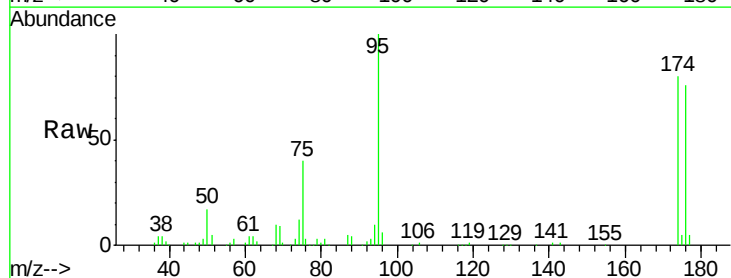
Tgt Ion: 95 Resp: 203860

Ion Ratio Lower Upper

95 100

174 79.7 0.0 181.8

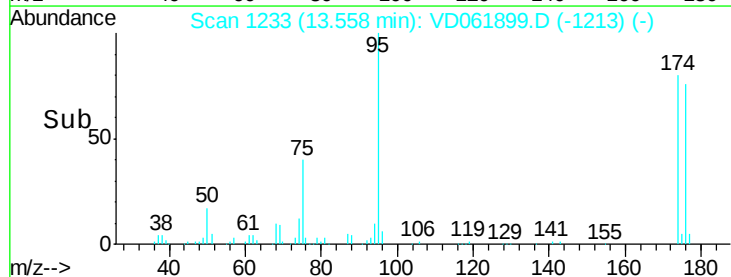
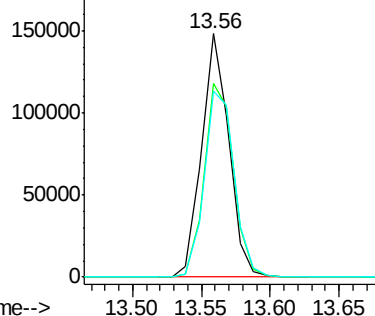
176 76.2 0.0 174.4

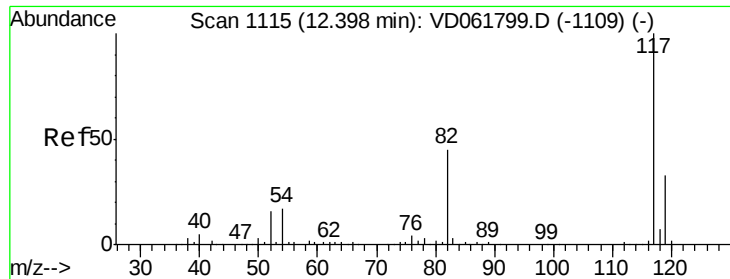


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

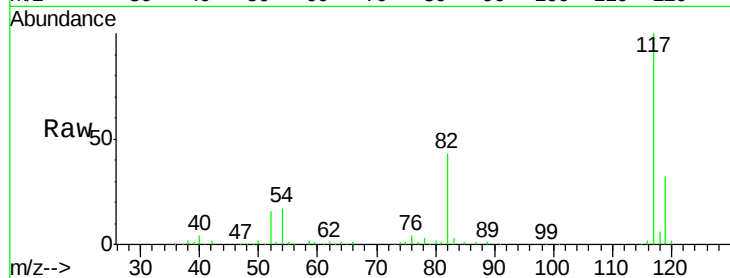




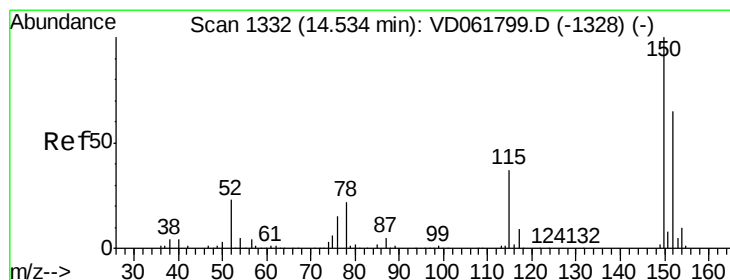
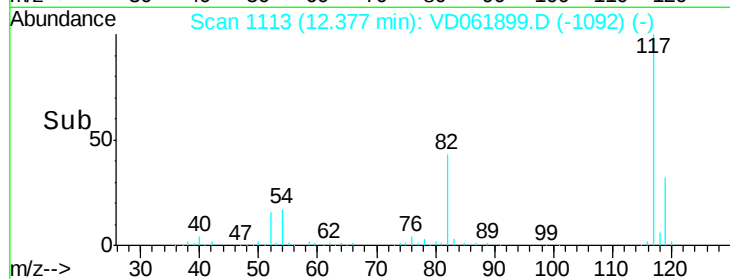
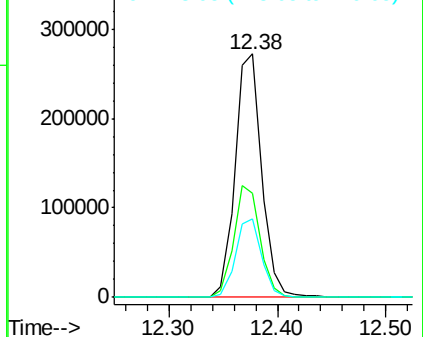
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD061899.D
Acq: 19 Apr 2019 6:26

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

Tot Ion:117 Resp: 463977
Ion Ratio Lower Upper
117 100
82 43.0 36.2 54.2
119 32.0 26.2 39.4

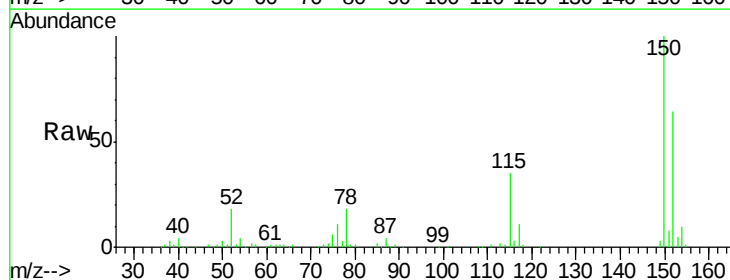


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

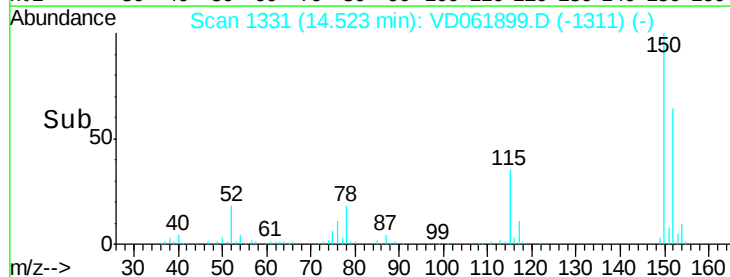
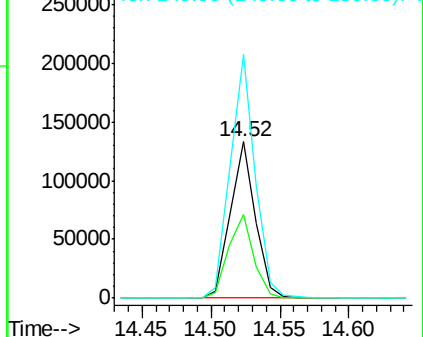


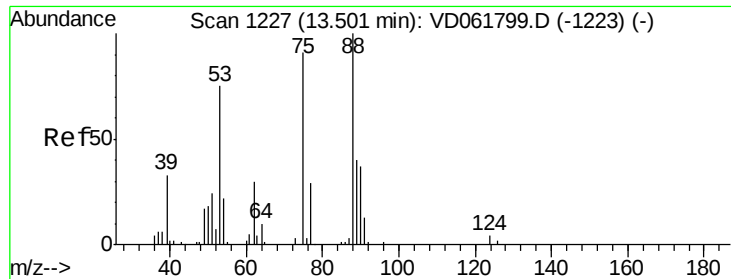
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. -0.00 min
Lab File: VD061899.D
Acq: 19 Apr 2019 6:26

Tgt Ion:152 Resp: 166779
Ion Ratio Lower Upper
152 100
115 53.8 30.9 92.7
150 155.6 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: 106.651 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061899.D

Acq: 19 Apr 2019 6:26

Instrument :

MSVOA_D

ClientSampleId :

CL-01-041619-D

Tot Ion: 75 Resp: 78575

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

