

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041819\
 Data File : VD061896.D
 Acq On : 19 Apr 2019 5:01
 Operator : VA/AP
 Sample : K2197-05
 Misc : 5.83g/5ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

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

Quant Time: Apr 19 05:27:41 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	388422	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	616896	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.38	117	478792	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	205504	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	221634	68.08	ug/l	0.01
Spiked Amount 50.000			Recovery	=	136.16%	
35) Dibromofluoromethane	6.93	113	303964	65.22	ug/l	0.01
Spiked Amount 50.000			Recovery	=	130.44%	
50) Toluene-d8	10.42	98	500074	45.28	ug/l	0.01
Spiked Amount 50.000			Recovery	=	90.56%	
62) 4-Bromofluorobenzene	13.56	95	226203	50.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.08%	

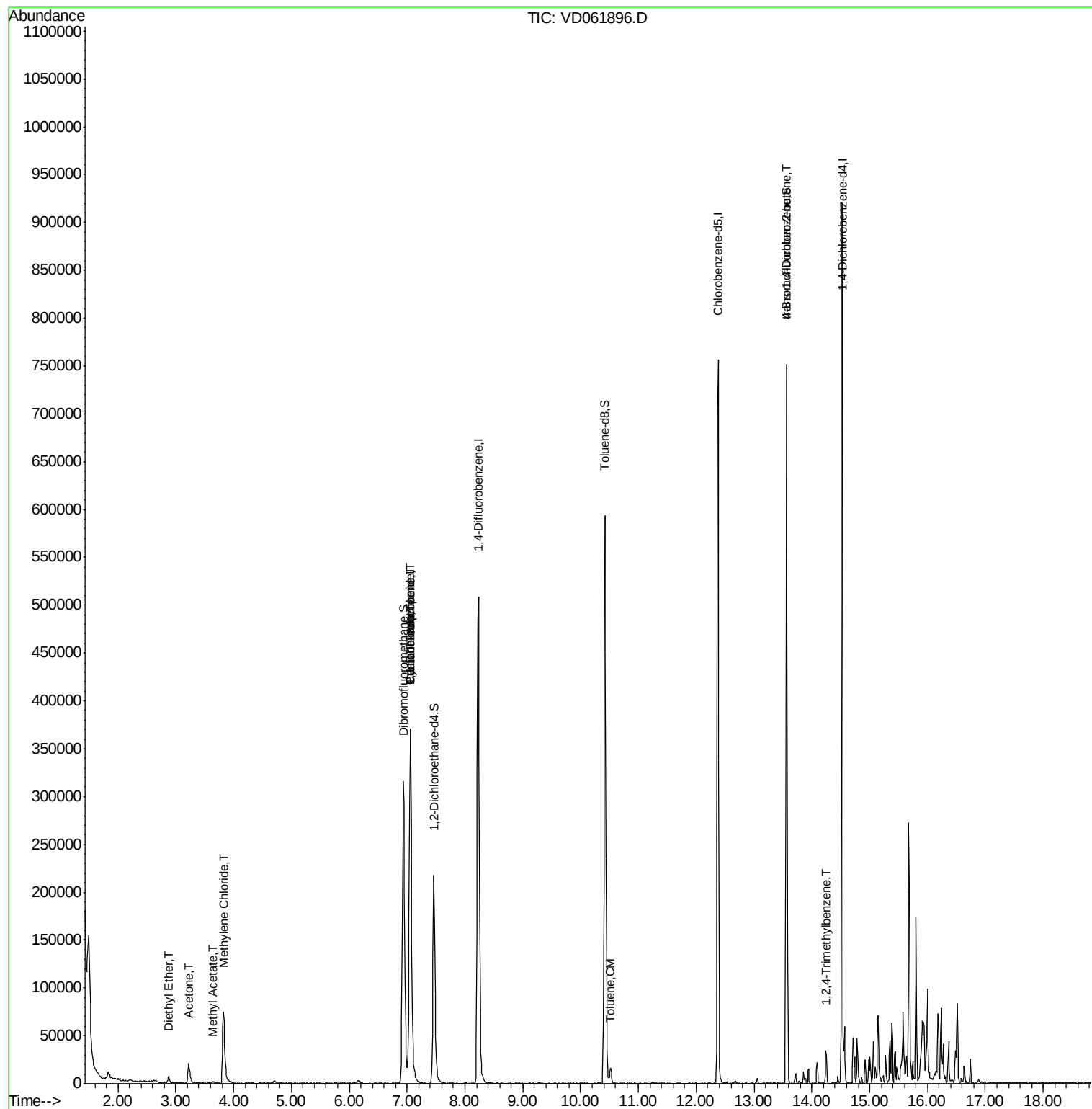
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.19	94	1305	Below Cal	#	12
8) Diethyl Ether	2.88	74	3066	2.406	ug/l	73
16) Acetone	3.22	43	39469	49.194	ug/l #	90
18) Methyl Acetate	3.65	43	3183	1.979	ug/l #	53
20) Methylene Chloride	3.82	84	56429	10.528	ug/l	97
31) Cyclohexane	7.06	56	6543	1.327	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	28806	5.714	ug/l #	48
38) Carbon Tetrachloride	7.06	117	39532	6.210	ug/l #	16
52) Toluene	10.52	92	8522	1.099	ug/l	77
81) trans-1,4-Dichloro-2-buten	13.56	75	90118	99.498	ug/l #	16
84) 1,2,4-Trimethylbenzene	14.24	105	18667	1.756	ug/l	95

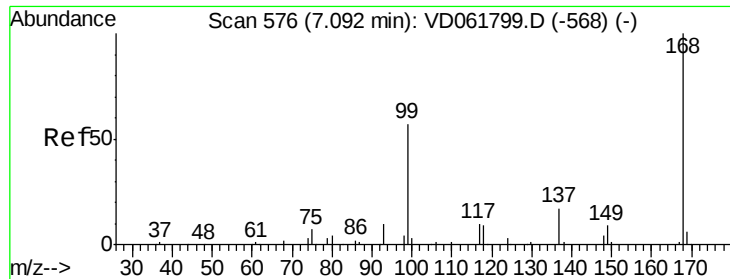
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041819\
Data File : VD061896.D
Acq On : 19 Apr 2019 5:01
Operator : VA/AP
Sample : K2197-05
Misc : 5.83g/5ml/MSVOA D/SOIL
ALS Vial : 40 Sample Multiplier: 1

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

Quant Time: Apr 19 05:27:41 2019
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: 7.06 min Scan# 573

Delta R.T. 0.01 min

Lab File: VD061896.D

Acq: 19 Apr 2019 5:01

Instrument :

MSVOA_D

ClientSampleId :

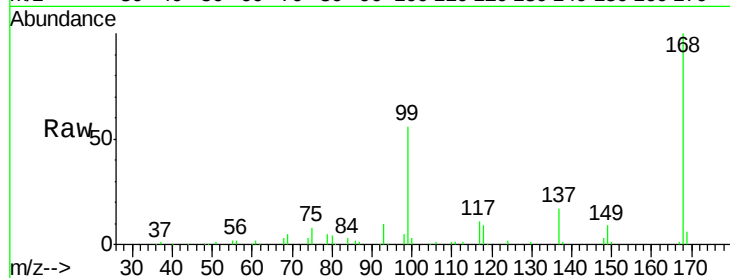
CL-01-041619-A

Tot Ion:168 Resp: 388422

Ion Ratio Lower Upper

168 100

99 56.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

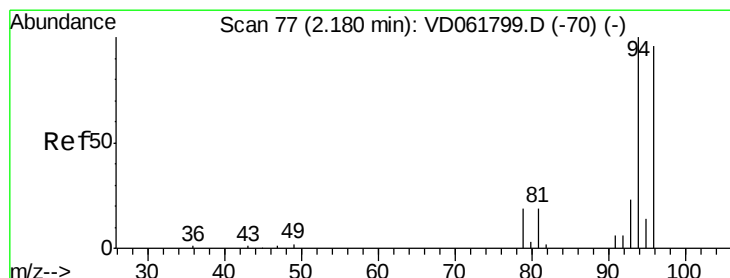
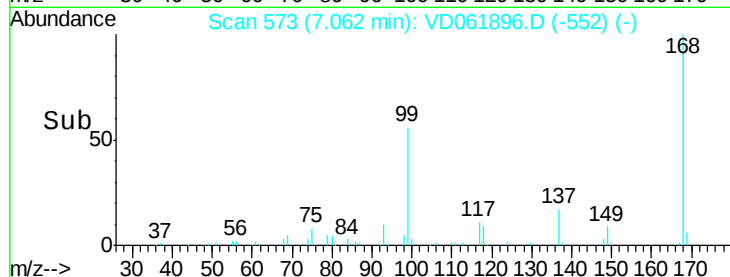
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.19 min Scan# 78

Delta R.T. 0.04 min

Lab File: VD061896.D

Acq: 19 Apr 2019 5:01

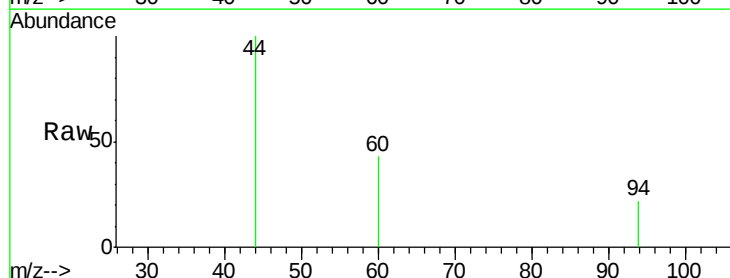
Tgt Ion: 94 Resp: 1305

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

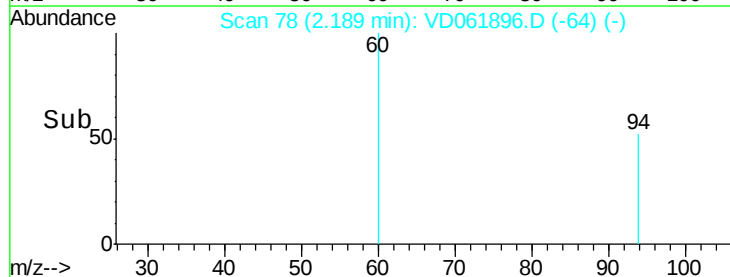
300

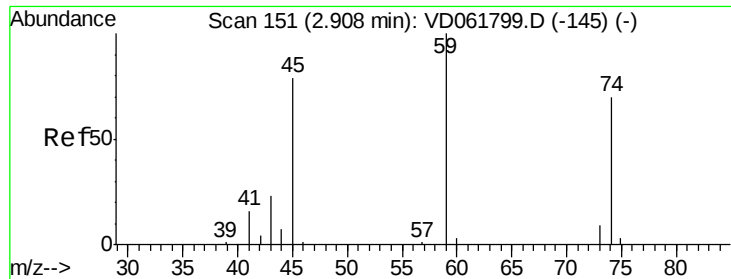
200

100

0

Time-->





#8

Diethyl Ether

Concen: 2.406 ug/l

RT: 2.88 min Scan# 148

Delta R.T. 0.01 min

Lab File: VD061896.D

Acq: 19 Apr 2019 5:01

Instrument :

MSVOA_D

ClientSampleId :

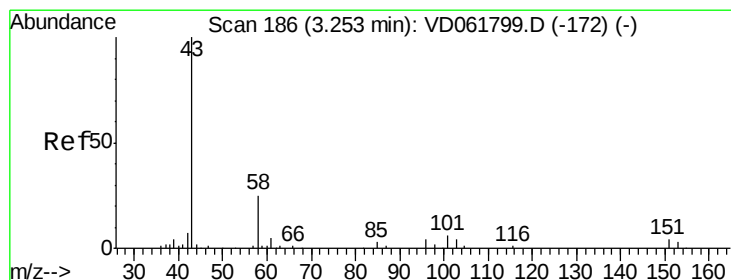
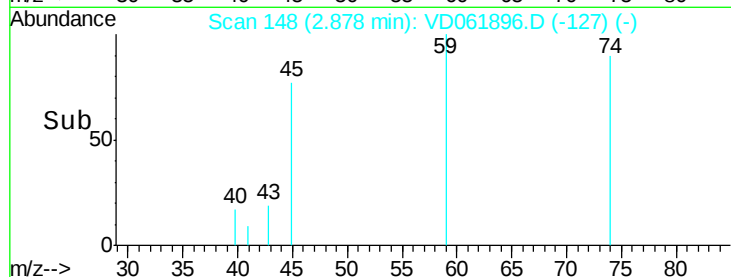
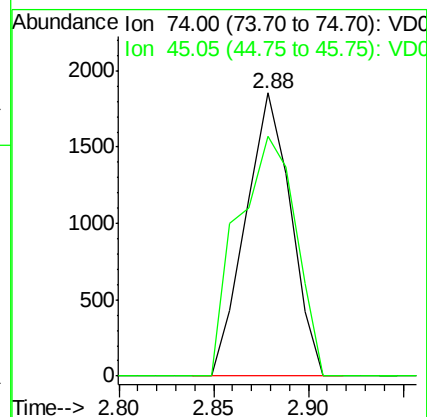
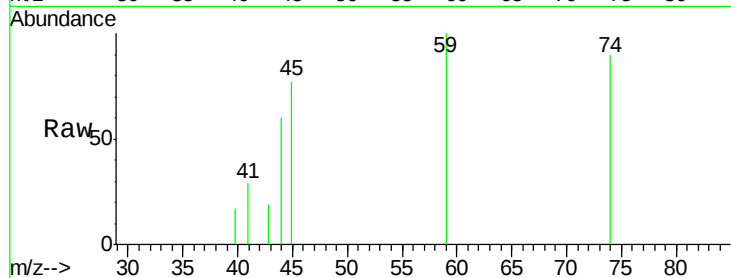
CL-01-041619-A

Tot Ion: 74 Resp: 3066

Ion Ratio Lower Upper

74 100

45 84.8 56.9 170.7



#16

Acetone

Concen: 49.194 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD061896.D

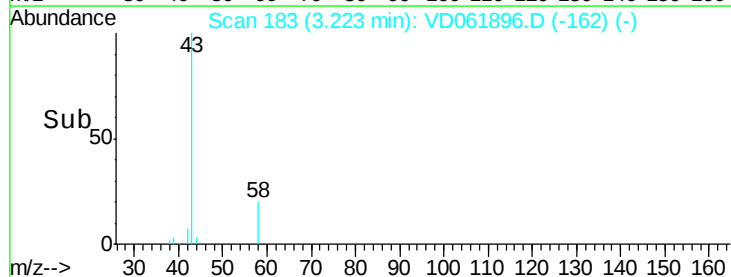
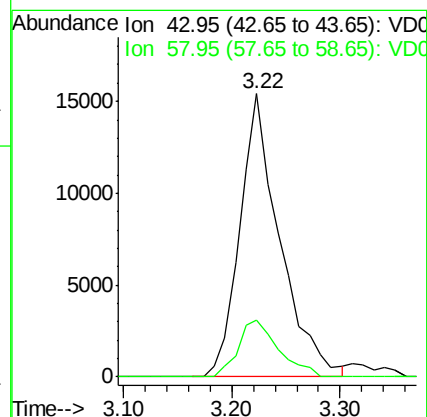
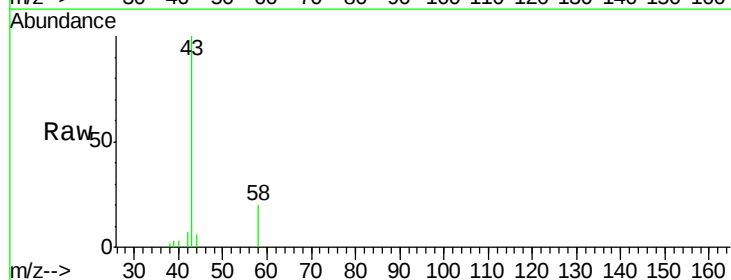
Acq: 19 Apr 2019 5:01

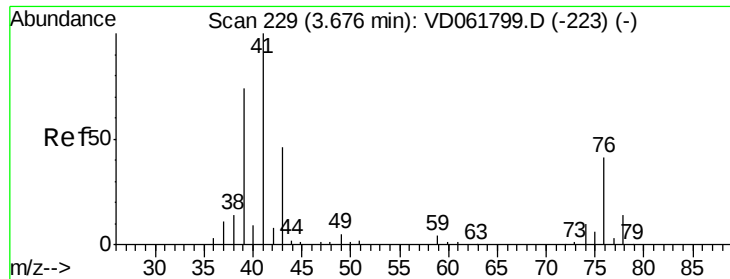
Tgt Ion: 43 Resp: 39469

Ion Ratio Lower Upper

43 100

58 19.9 19.9 29.9#

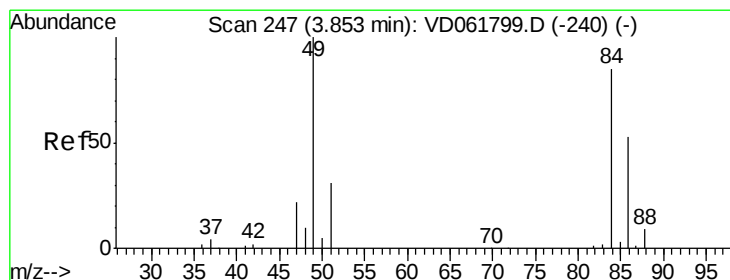
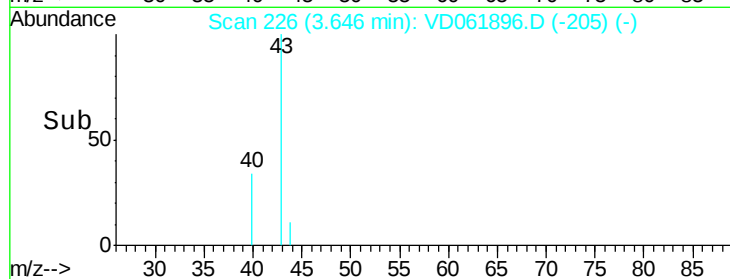
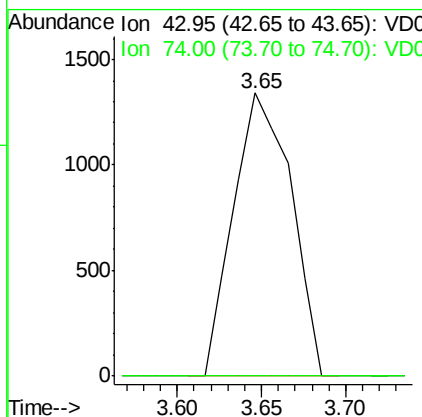
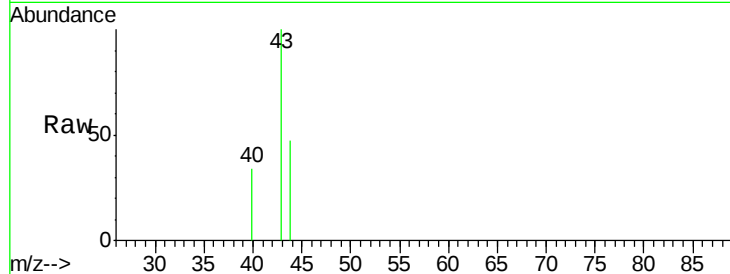




#18
Methyl Acetate
Concen: 1.979 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.01 min
Lab File: VD061896.D
Acq: 19 Apr 2019 5:01

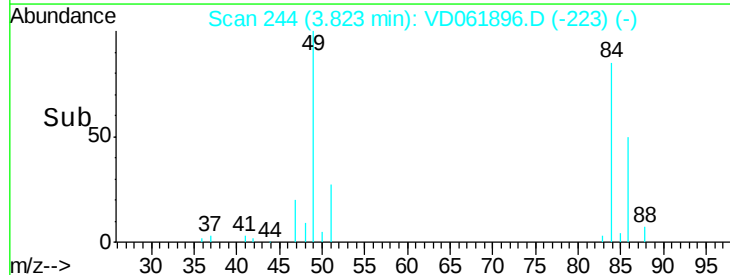
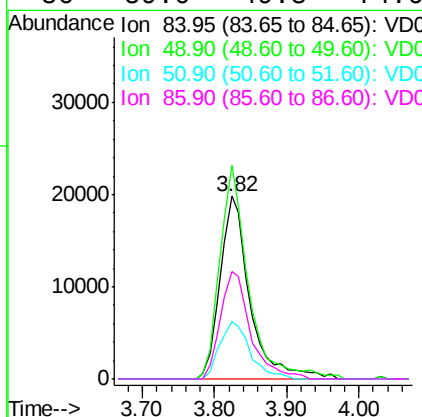
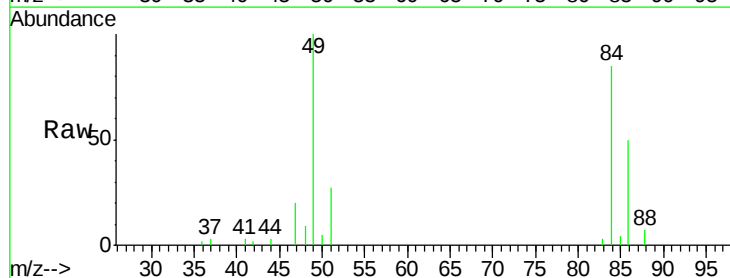
Instrument :
MSVOA_D
ClientSampleId :
CL-01-041619-A

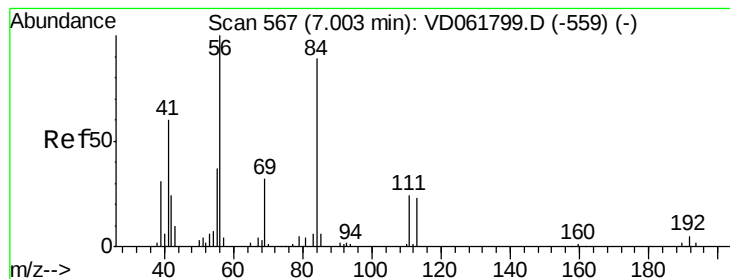
Tot Ion: 43 Resp: 3183
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 10.528 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD061896.D
Acq: 19 Apr 2019 5:01

Tgt Ion: 84 Resp: 56429
Ion Ratio Lower Upper
84 100
49 117.1 94.0 141.0
51 31.9 29.0 43.4
86 59.0 49.8 74.6





#31

Cyclohexane

Concen: 1.327 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.11 min

Lab File: VD061896.D

Acq: 19 Apr 2019 5:01

Instrument :

MSVOA_D

ClientSampleId :

CL-01-041619-A

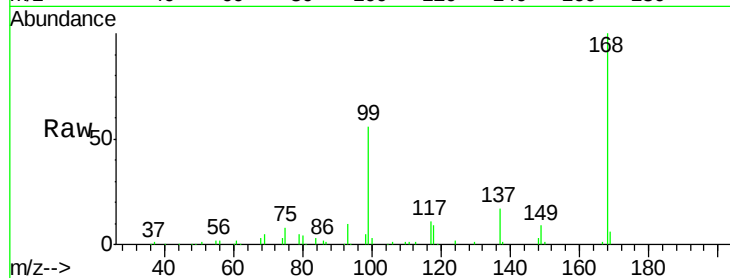
Tot Ion: 56 Resp: 6543

Ion Ratio Lower Upper

56 100

69 245.6 25.8 38.6#

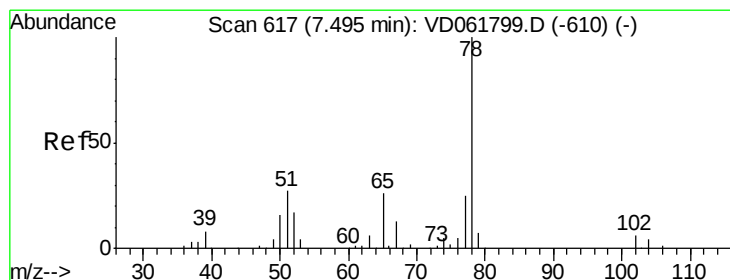
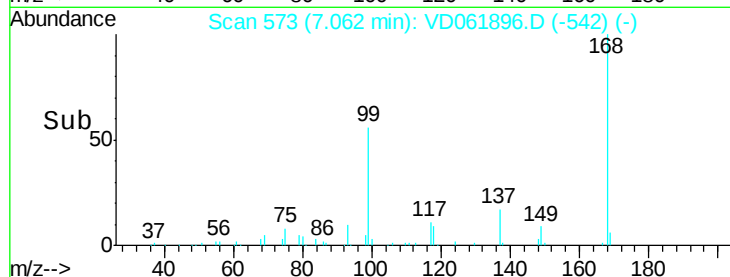
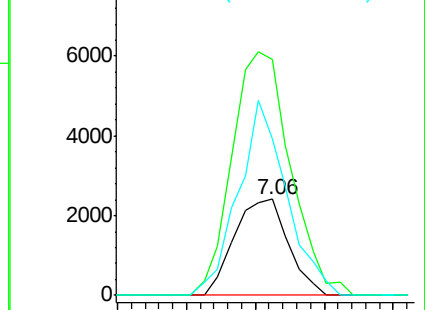
84 162.4 72.2 108.4#



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: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061896.D

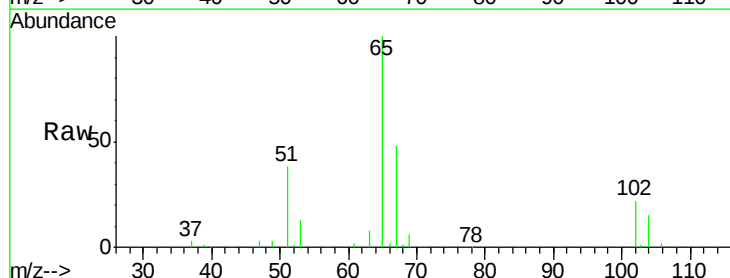
Acq: 19 Apr 2019 5:01

Tgt Ion: 65 Resp: 221634

Ion Ratio Lower Upper

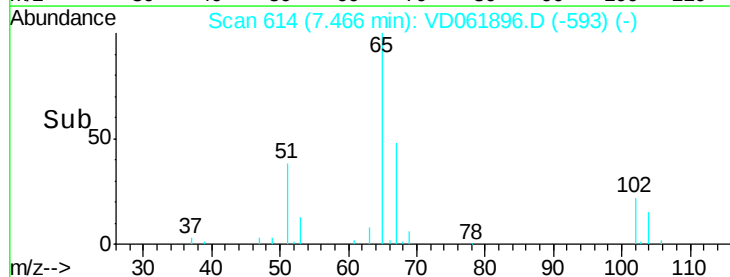
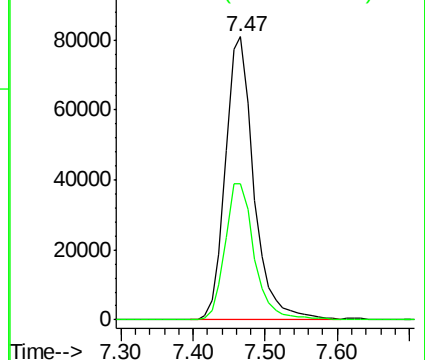
65 100

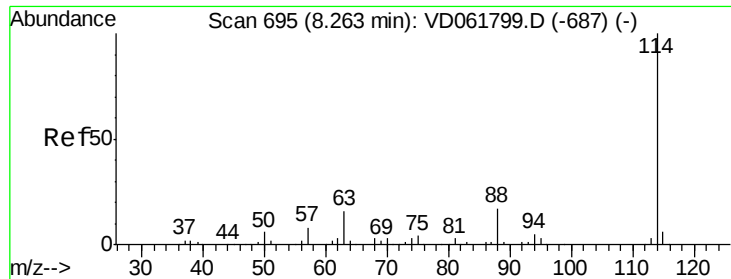
67 48.2 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

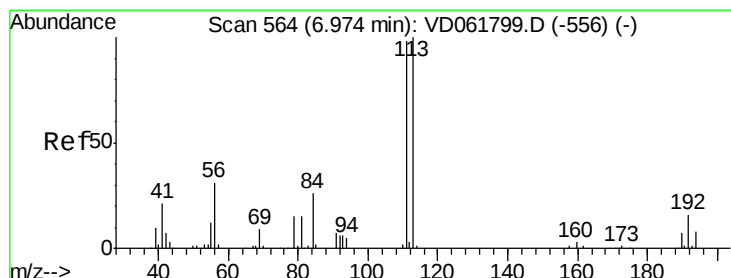
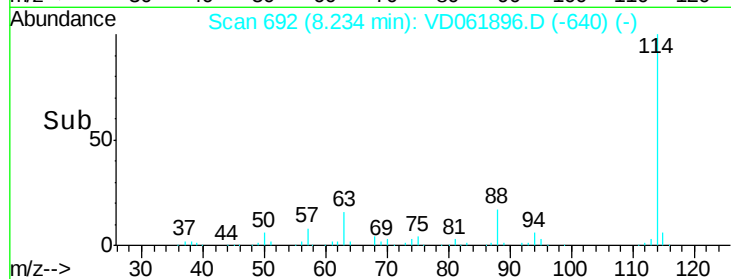
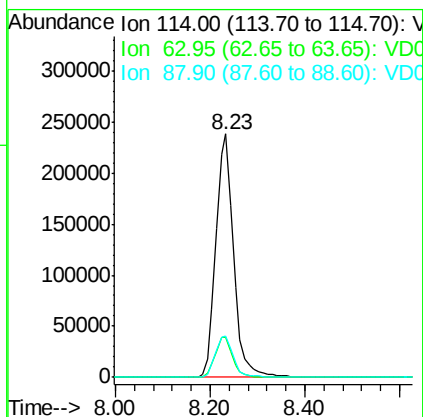
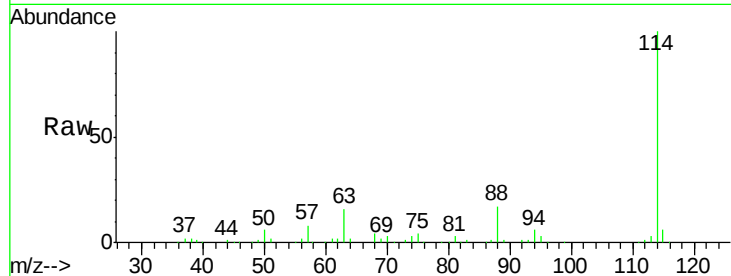




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD061896.D
 Acq: 19 Apr 2019 5:01

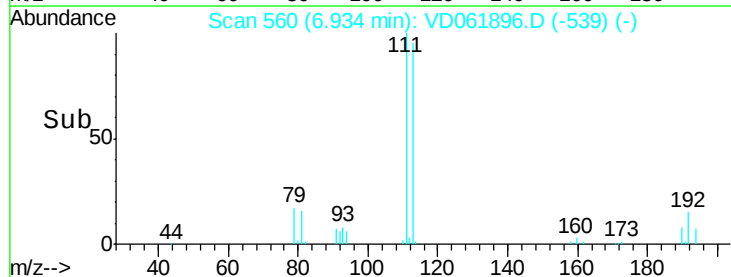
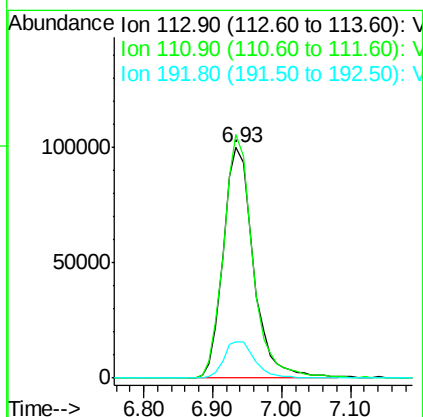
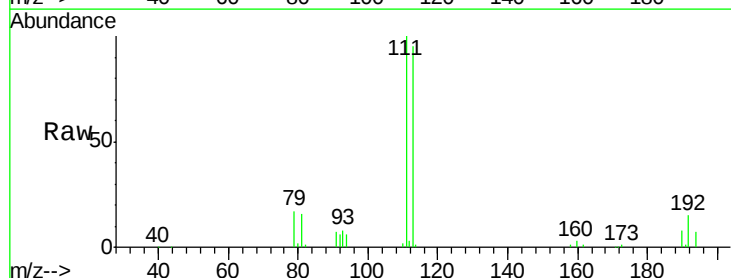
Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-041619-A

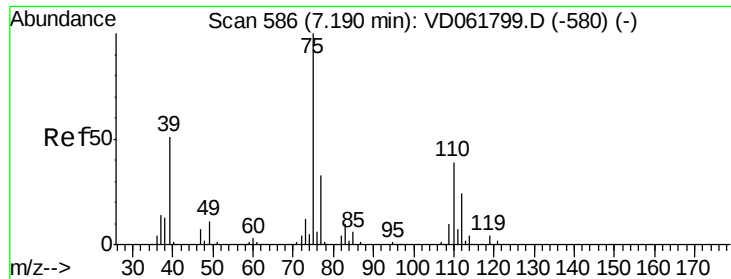
Tot Ion:114 Resp: 616896
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 32.4
 88 16.8 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.01 min
 Lab File: VD061896.D
 Acq: 19 Apr 2019 5:01

Tgt Ion:113 Resp: 303964
 Ion Ratio Lower Upper
 113 100
 111 105.5 78.5 117.7
 192 15.6 13.0 19.4





#36

1,1-Dichloropropene

Concen: 5.714 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.10 min

Lab File: VD061896.D

Acq: 19 Apr 2019 5:01

Instrument :

MSVOA_D

ClientSampleId :

CL-01-041619-A

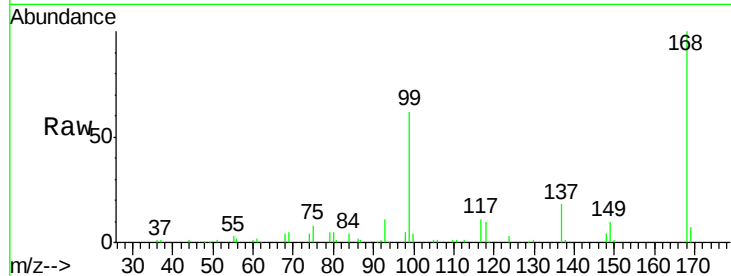
Tot Ion: 75 Resp: 28806

Ion Ratio Lower Upper

75 100

110 9.0 19.1 57.1#

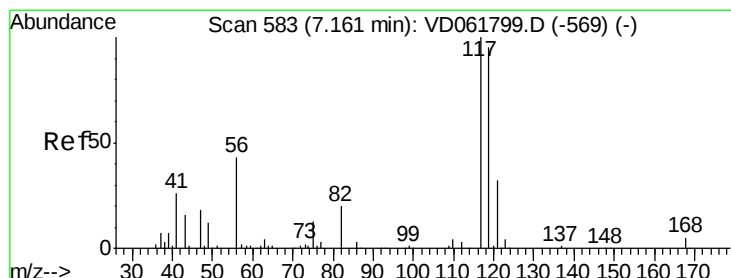
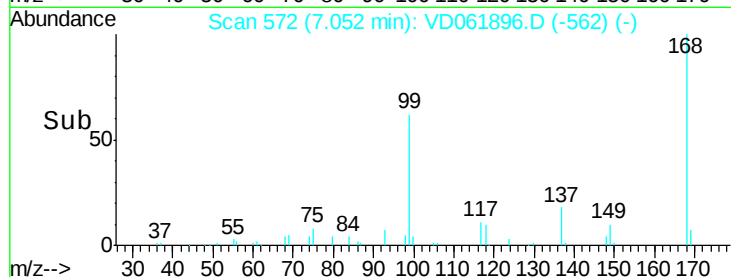
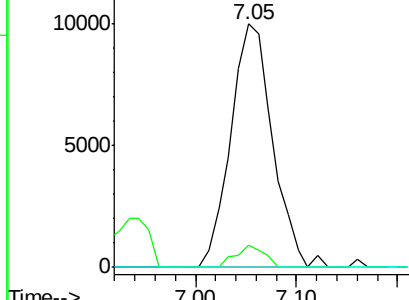
77 0.0 25.6 38.4#



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: 6.210 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.05 min

Lab File: VD061896.D

Acq: 19 Apr 2019 5:01

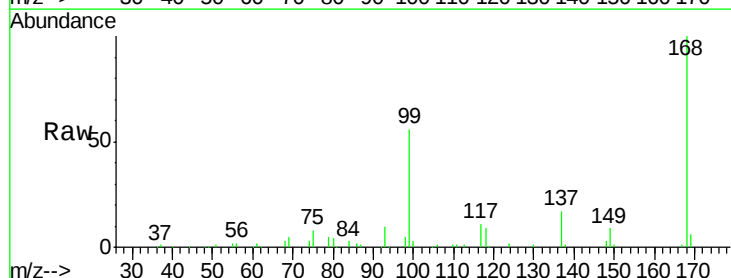
Tgt Ion: 117 Resp: 39532

Ion Ratio Lower Upper

117 100

119 4.7 75.8 113.8#

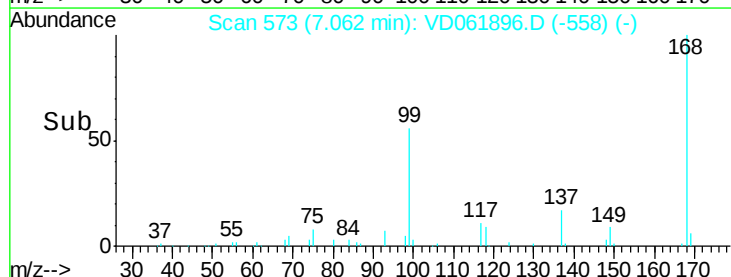
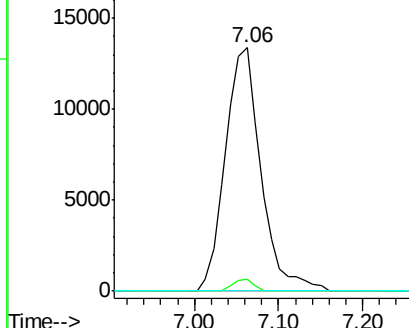
121 0.0 25.9 38.9#

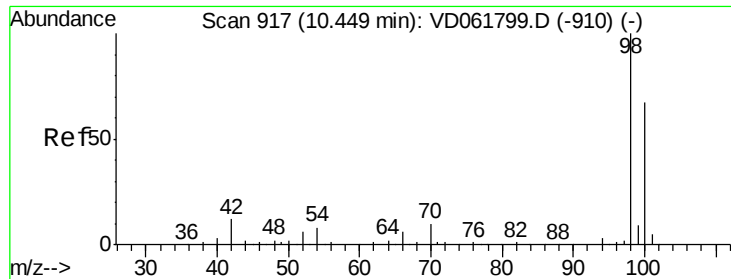


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

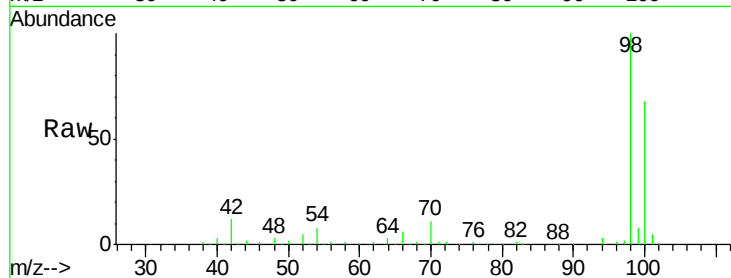




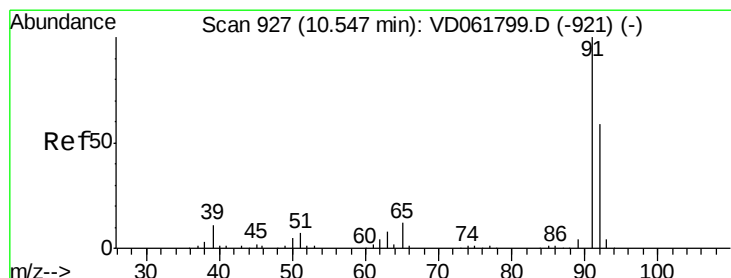
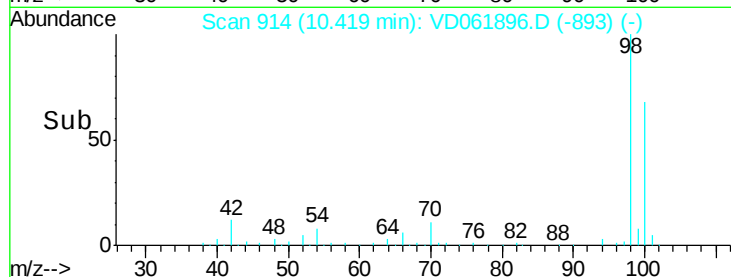
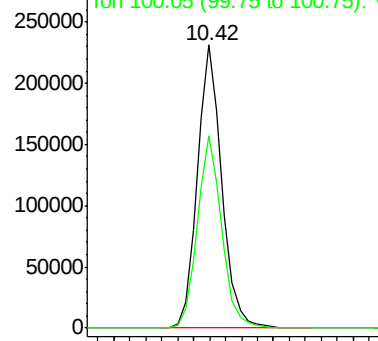
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD061896.D
Acq: 19 Apr 2019 5:01

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

Tot Ion: 98 Resp: 500074
Ion Ratio Lower Upper
98 100
100 68.2 53.8 80.8

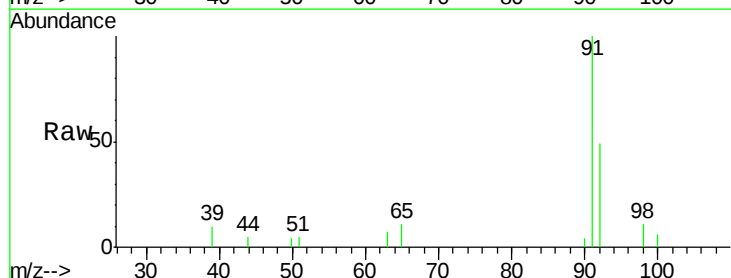


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

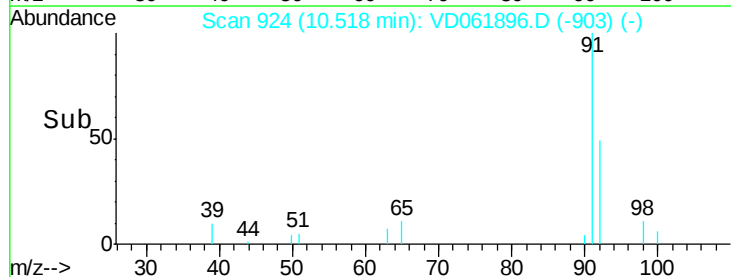
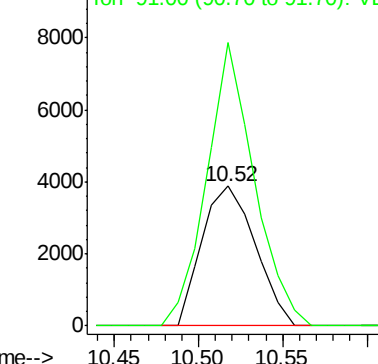


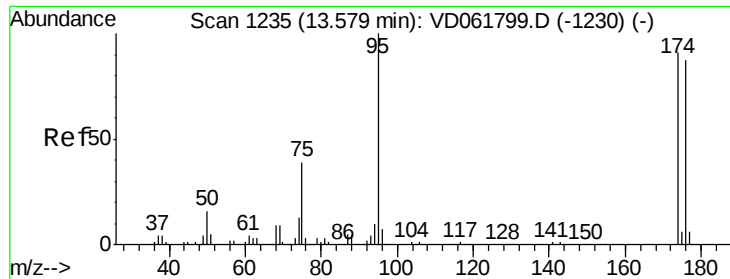
#52
Toluene
Concen: 1.099 ug/l
RT: 10.52 min Scan# 924
Delta R.T. 0.01 min
Lab File: VD061896.D
Acq: 19 Apr 2019 5:01

Tgt Ion: 92 Resp: 8522
Ion Ratio Lower Upper
92 100
91 202.8 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD061896.D

Acq: 19 Apr 2019 5:01

Instrument :

MSVOA_D

ClientSampleId :

CL-01-041619-A

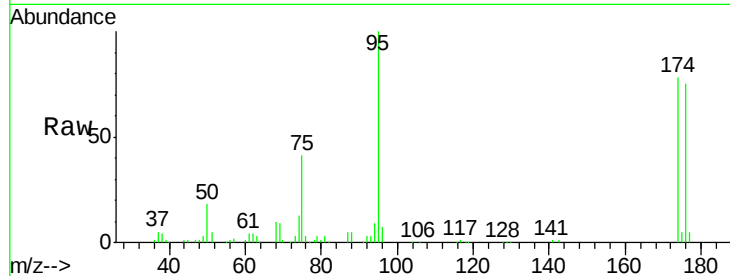
Tot Ion: 95 Resp: 226203

Ion Ratio Lower Upper

95 100

174 78.4 0.0 181.8

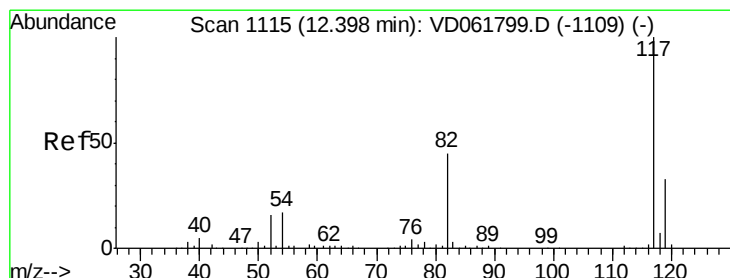
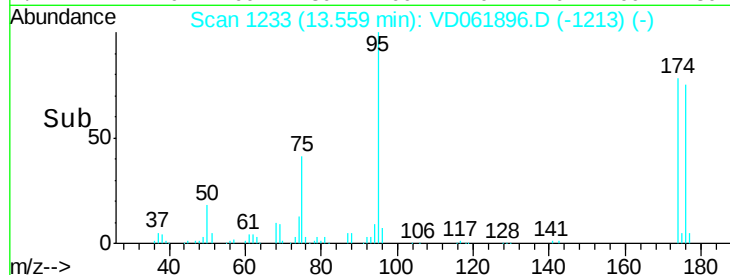
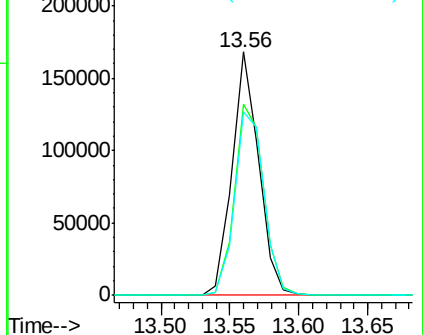
176 75.3 0.0 174.4



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: 12.38 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VD061896.D

Acq: 19 Apr 2019 5:01

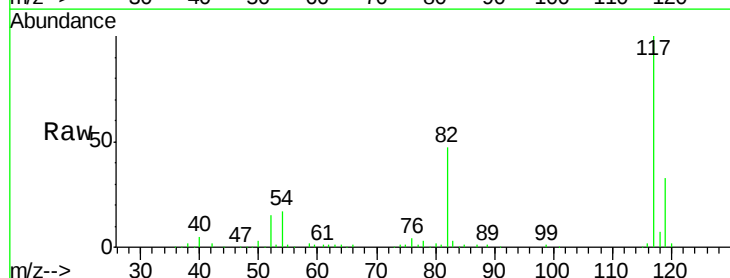
Tgt Ion: 117 Resp: 478792

Ion Ratio Lower Upper

117 100

82 47.2 36.2 54.2

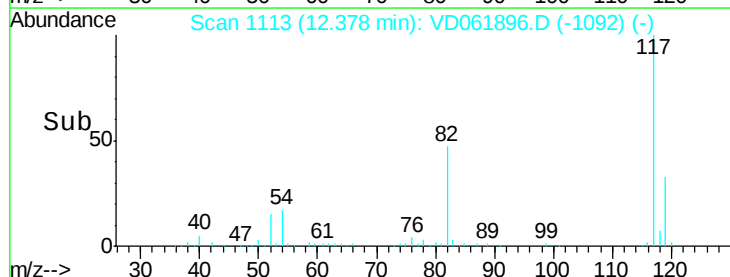
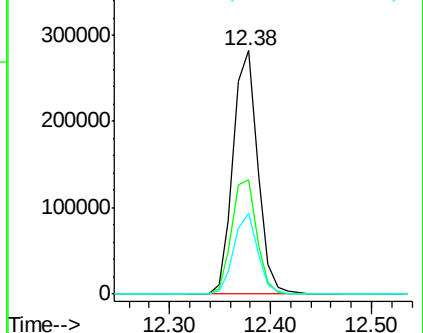
119 33.3 26.2 39.4

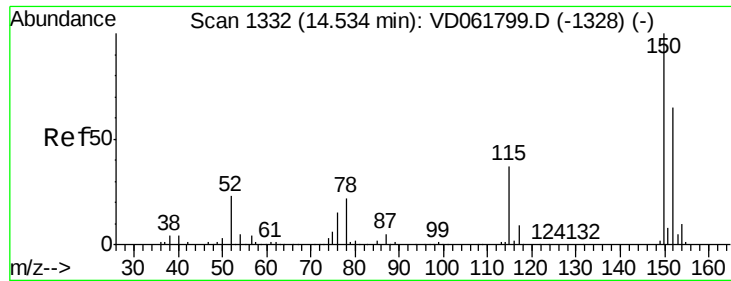


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1331

Delta R.T. 0.00 min

Lab File: VD061896.D

Acq: 19 Apr 2019 5:01

Instrument :

MSVOA_D

ClientSampleId :

CL-01-041619-A

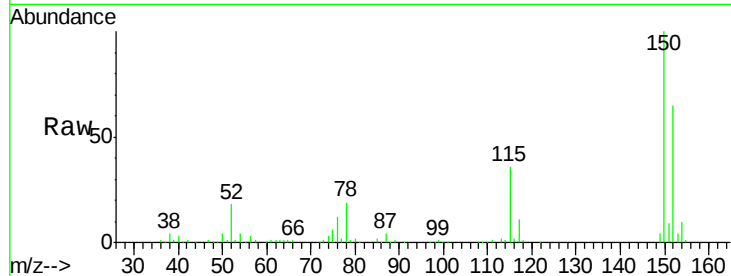
Tot Ion:152 Resp: 205504

Ion Ratio Lower Upper

152 100

115 55.4 30.9 92.7

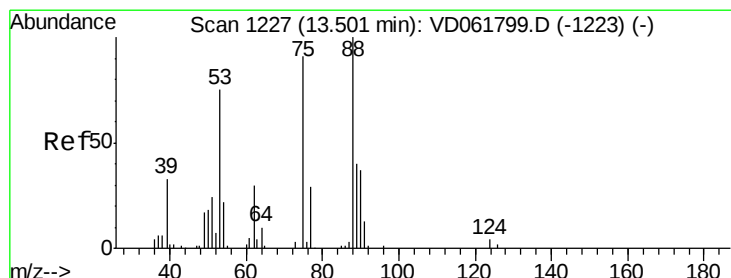
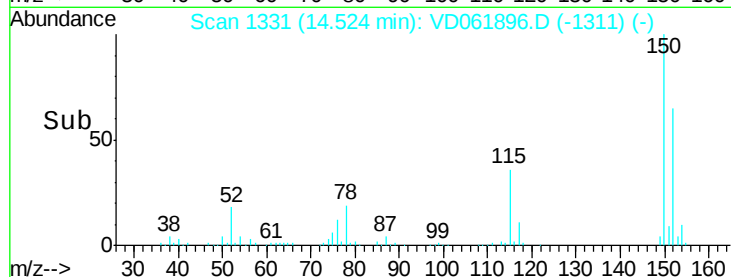
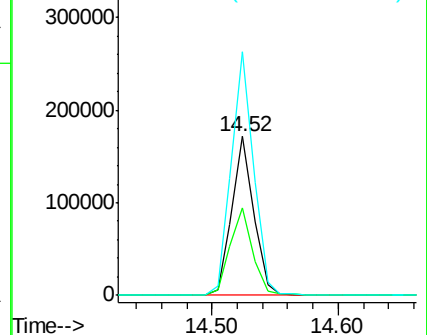
150 153.5 0.0 314.8



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: 99.498 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD061896.D

Acq: 19 Apr 2019 5:01

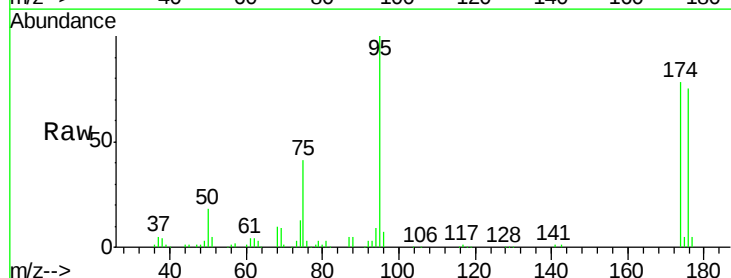
Tgt Ion: 75 Resp: 90118

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

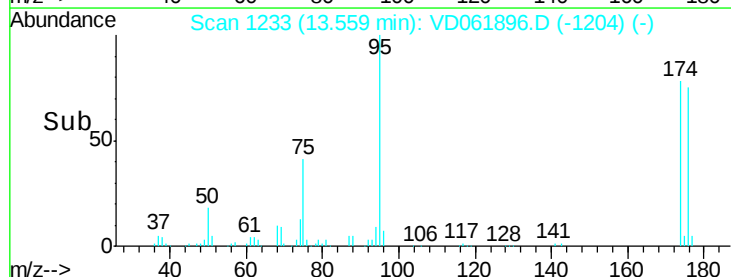
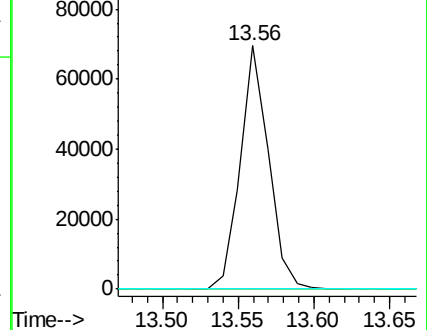
89 0.0 35.0 52.6#

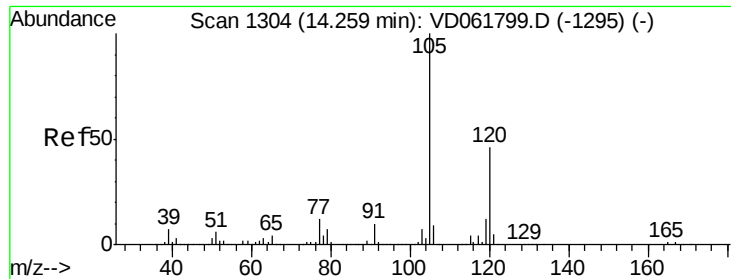


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#84
 1,2,4-Trimethylbenzene
 Concen: 1.756 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD061896.D
 Acq: 19 Apr 2019 5:01

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

Tot Ion	Ratio	Lower	Upper
105	100		
120	42.6	23.1	69.2

