

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD032519\
 Data File : VD061307.D
 Acq On : 25 Mar 2019 17:39
 Operator : VA/AP
 Sample : K2043-10
 Misc : 6.90g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022-SB430-190319-(20-22)

Quant Time: Apr 03 15:37:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	701452	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1131546	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	981228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	405888	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	215329	35.58	ug/l	0.00
Spiked Amount			Recovery	=	71.16%	
35) Dibromofluoromethane	6.94	113	372258	42.99	ug/l	0.00
Spiked Amount			Recovery	=	85.98%	
50) Toluene-d8	10.42	98	841975	40.10	ug/l	0.00
Spiked Amount			Recovery	=	80.20%	
62) 4-Bromofluorobenzene	13.56	95	317815	38.81	ug/l	0.00
Spiked Amount			Recovery	=	77.62%	

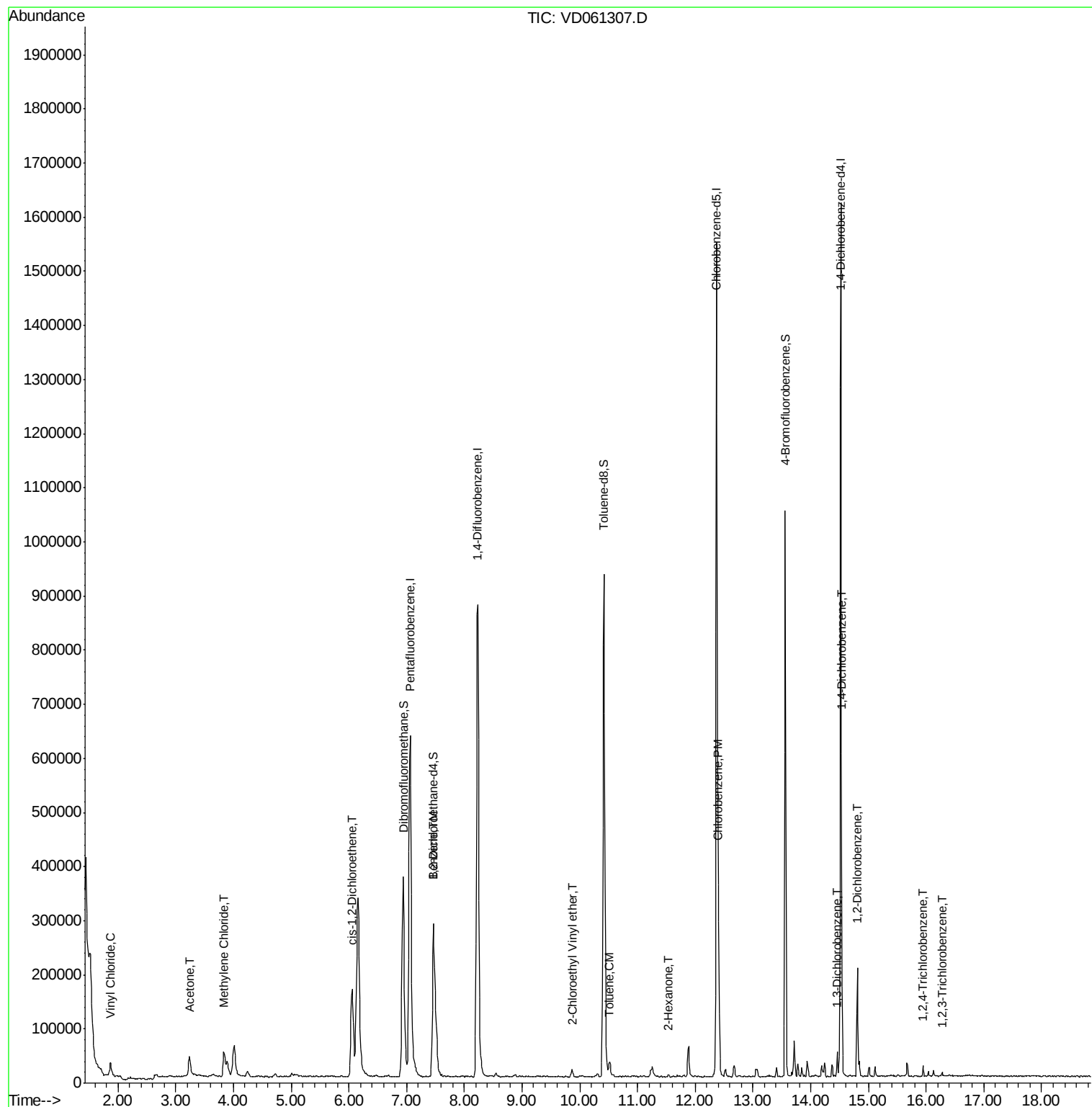
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.87	62	35389	6.765	ug/l	97
16) Acetone	3.24	43	78727	54.385	ug/l	92
20) Methylene Chloride	3.83	84	33440	4.070	ug/l	97
27) cis-1,2-Dichloroethene	6.06	96	130235	15.974	ug/l	91
40) Benzene	7.47	78	30919	1.345	ug/l	99
52) Toluene	10.52	92	16407	1.166	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.86	63	7243	2.793	ug/l	93
59) 2-Hexanone	11.54	43	3243	1.345	ug/l	93
65) Chlorobenzene	12.41	112	169072	9.355	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	16689	1.277	ug/l	91
88) 1,4-Dichlorobenzene	14.54	146	40333	3.185	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	66542	6.380	ug/l	97
93) 1,2,4-Trichlorobenzene	15.94	180	6063	1.259	ug/l	90
96) 1,2,3-Trichlorobenzene	16.28	180	2429	1.080	ug/l	91

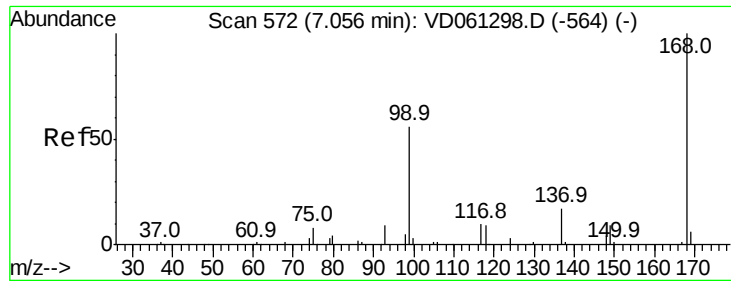
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD032519\
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WP022-SB430-190319-(20-22)

Quant Time: Apr 03 15:37:46 2019
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Quant Title : SW846 8260
QLast Update : Tue Mar 26 03:31:57 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: VD061307.D

Acq: 25 Mar 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

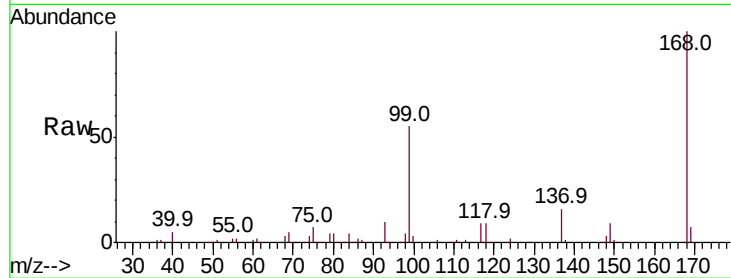
WP022-SB430-190319-(20-22)

Tot Ion:168 Resp: 701452

Ion Ratio Lower Upper

168 100

99 55.3 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

150000

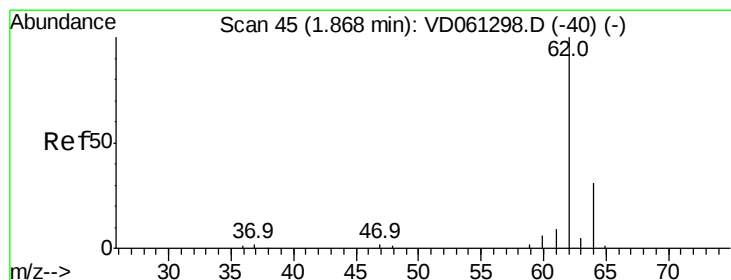
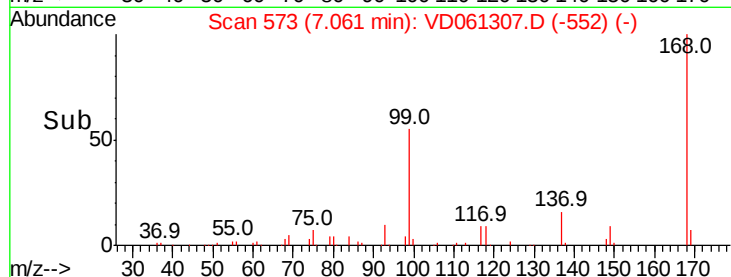
100000

50000

0

Time-->

6.90 7.00 7.10 7.20 7.30



#4

Vinyl Chloride

Concen: 6.765 ug/l

RT: 1.87 min Scan# 46

Delta R.T. 0.01 min

Lab File: VD061307.D

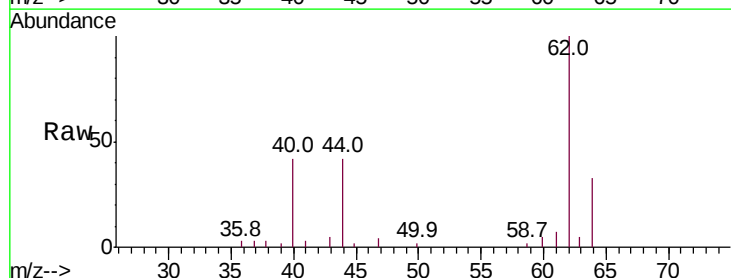
Acq: 25 Mar 2019 17:39

Tgt Ion: 62 Resp: 35389

Ion Ratio Lower Upper

62 100

64 33.3 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

15000

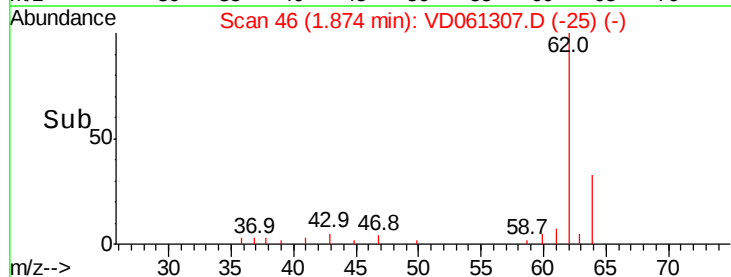
10000

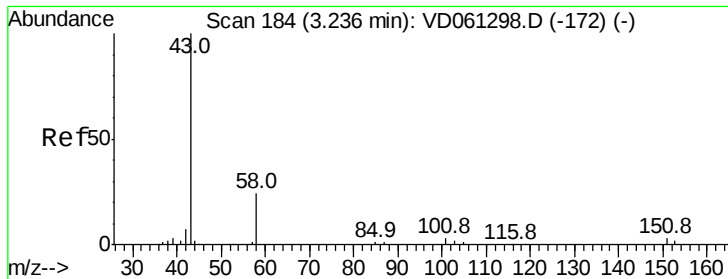
5000

0

Time-->

1.80 1.90 2.00





#16

Acetone

Concen: 54.385 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.01 min

Lab File: VD061307.D

Acq: 25 Mar 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

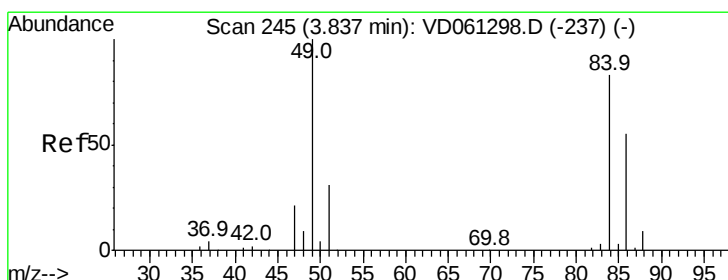
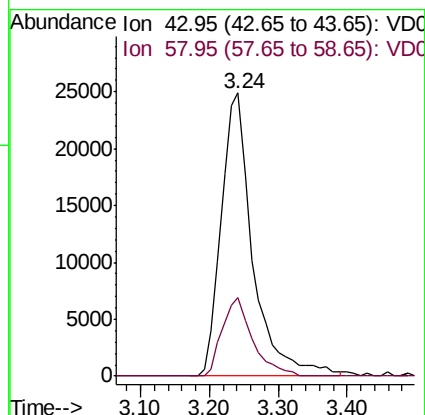
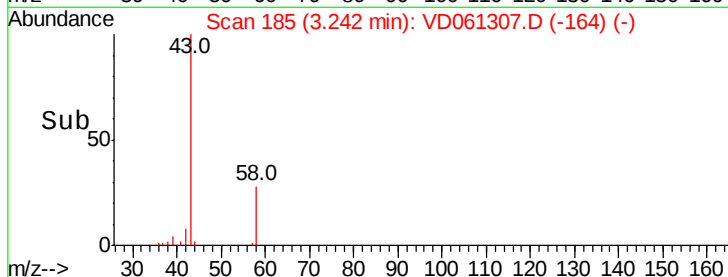
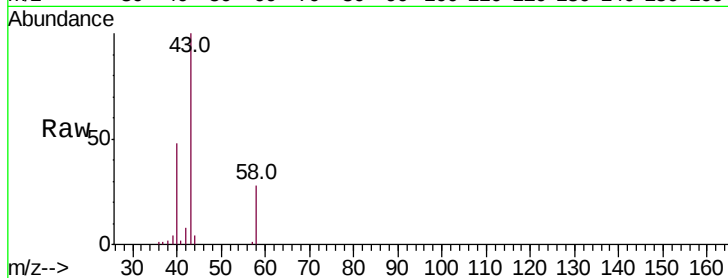
WP022-SB430-190319-(20-22)

Tot Ion: 43 Resp: 78727

Ion Ratio Lower Upper

43 100

58 27.9 19.4 29.0



#20

Methylene Chloride

Concen: 4.070 ug/l

RT: 3.83 min Scan# 245

Delta R.T. -0.00 min

Lab File: VD061307.D

Acq: 25 Mar 2019 17:39

Tgt Ion: 84 Resp: 33440

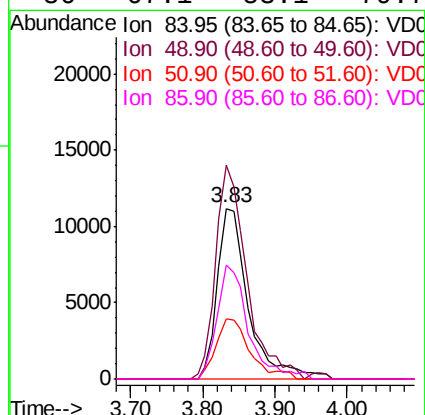
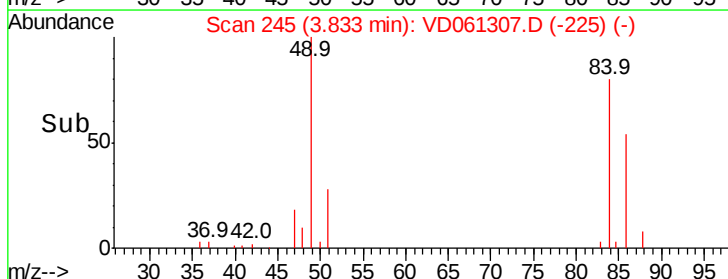
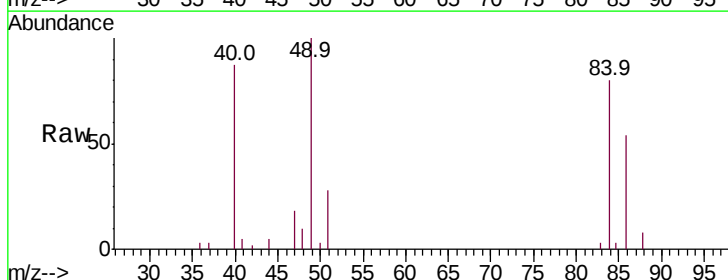
Ion Ratio Lower Upper

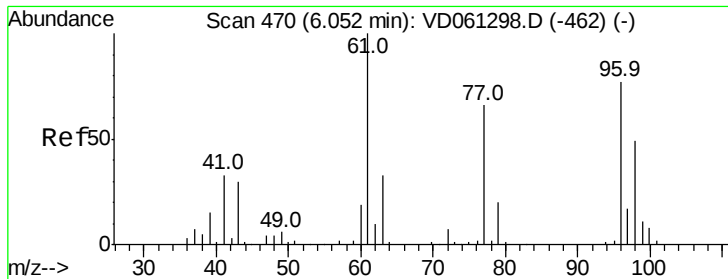
84 100

49 125.1 96.8 145.2

51 35.1 29.9 44.9

86 67.1 53.1 79.7



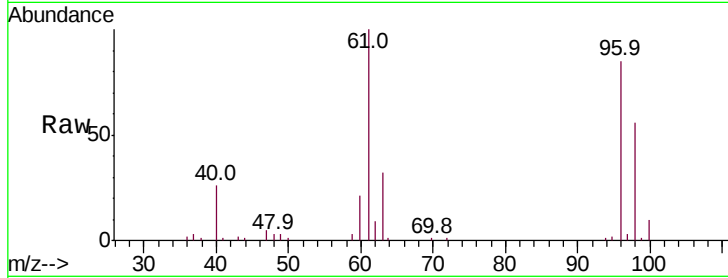


#27

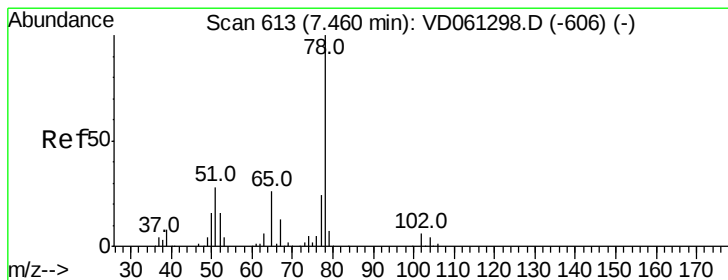
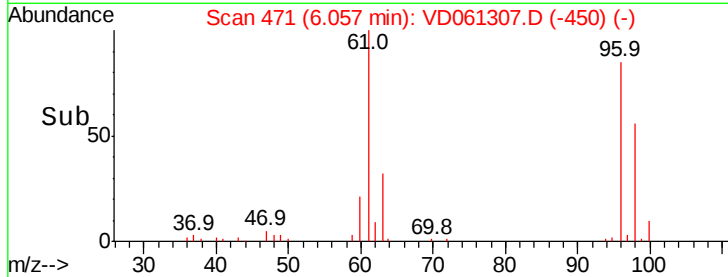
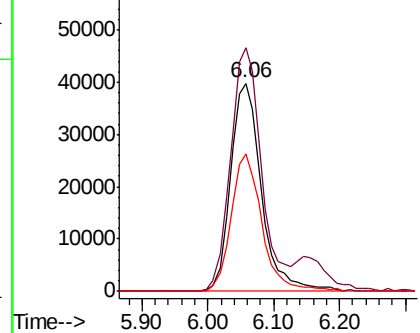
cis-1,2-Dichloroethene
 Concen: 15.974 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. 0.01 min
 Lab File: VD061307.D
 Acq: 25 Mar 2019 17:39

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022-SB430-190319-(20-22)

Tot Ion: 96 Resp: 130235
 Ion Ratio Lower Upper
 96 100
 61 117.1 0.0 261.0
 98 65.8 0.0 127.6



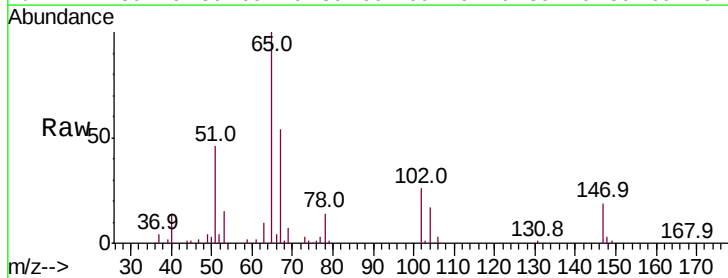
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



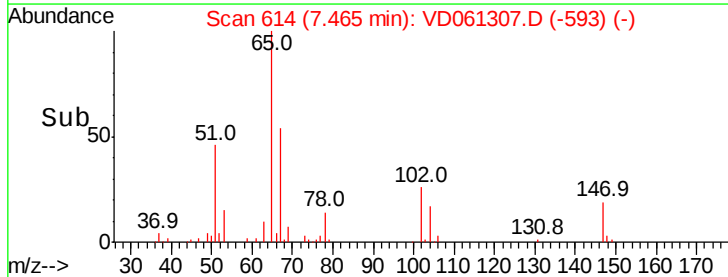
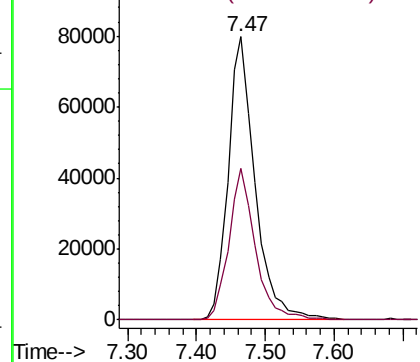
#33

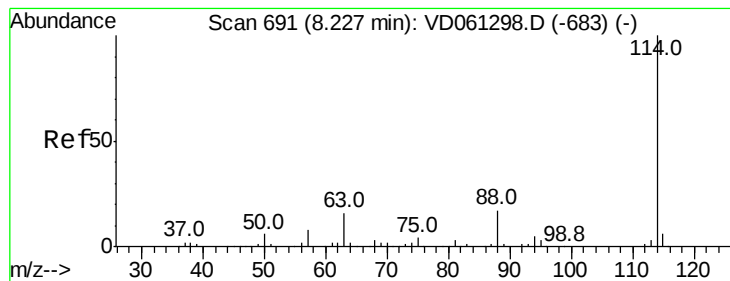
1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.01 min
 Lab File: VD061307.D
 Acq: 25 Mar 2019 17:39

Tgt Ion: 65 Resp: 215329
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 100.8



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: VD061307.D

Acq: 25 Mar 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

WP022-SB430-190319-(20-22)

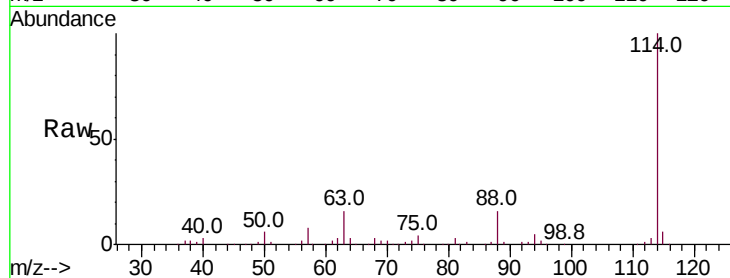
Tot Ion:114 Resp: 1131546

Ion Ratio Lower Upper

114 100

63 15.7 0.0 31.4

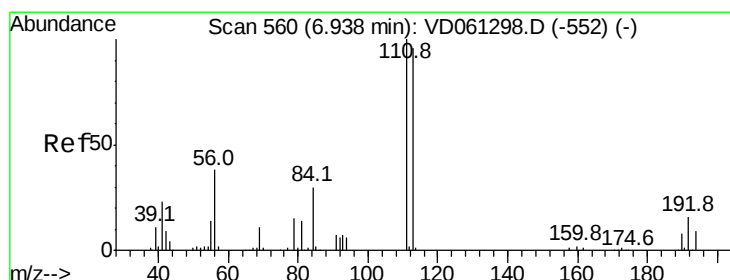
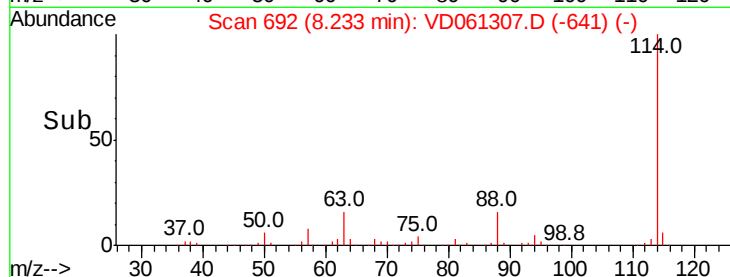
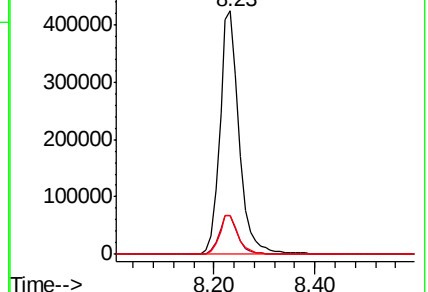
88 16.0 0.0 33.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD061307.D

Acq: 25 Mar 2019 17:39

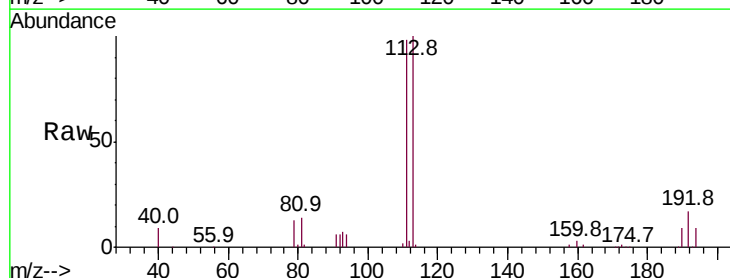
Tgt Ion:113 Resp: 372258

Ion Ratio Lower Upper

113 100

111 98.4 83.7 125.5

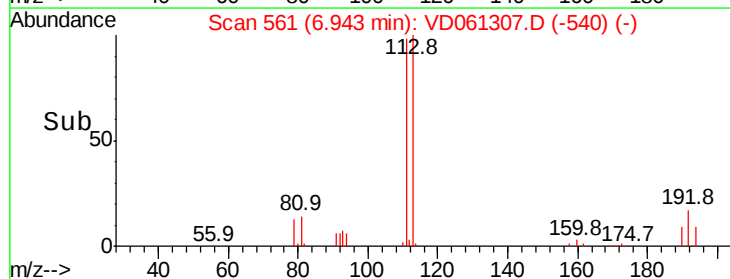
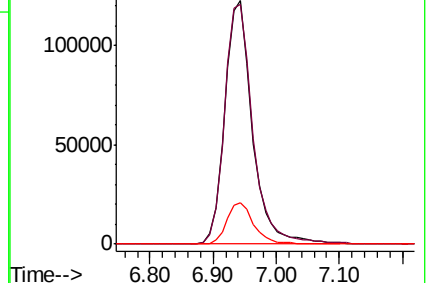
192 17.2 13.4 20.0

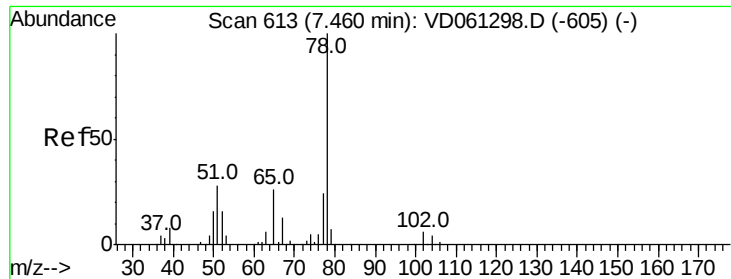


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#40

Benzene

Concen: 1.345 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD061307.D

Acq: 25 Mar 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

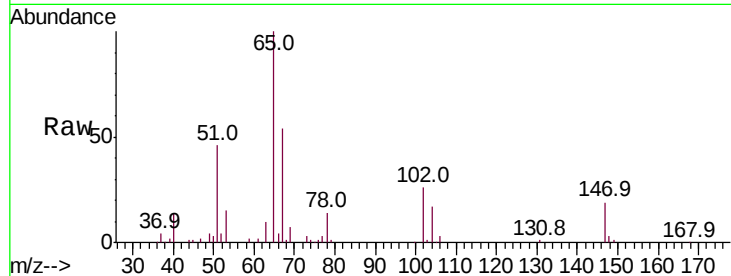
WP022-SB430-190319-(20-22)

Tot Ion: 78 Resp: 30919

Ion Ratio Lower Upper

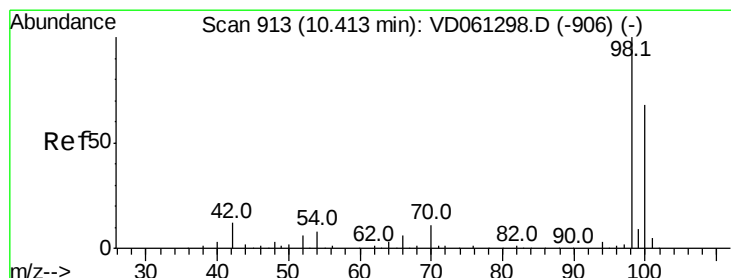
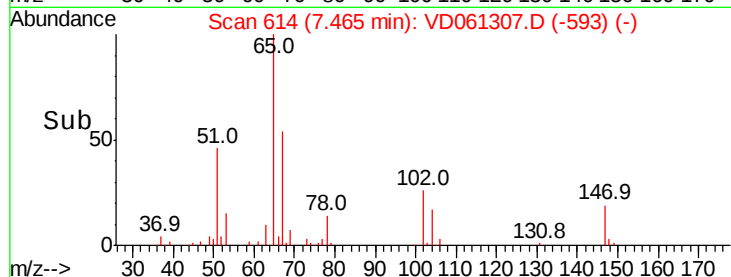
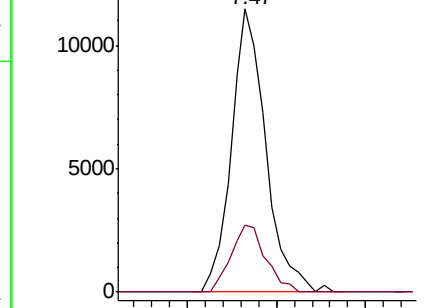
78 100

77 23.8 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.01 min

Lab File: VD061307.D

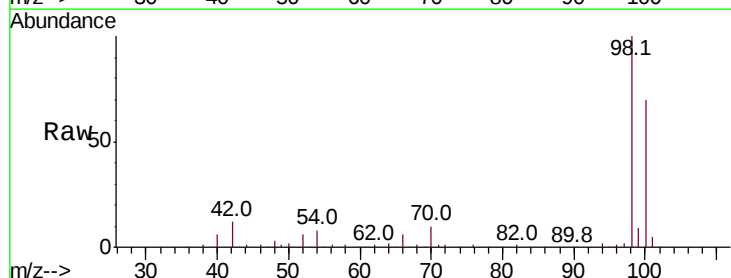
Acq: 25 Mar 2019 17:39

Tgt Ion: 98 Resp: 841975

Ion Ratio Lower Upper

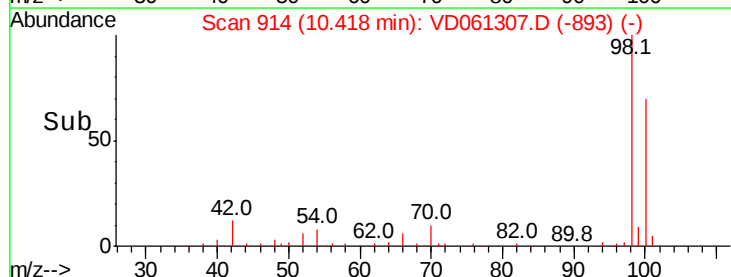
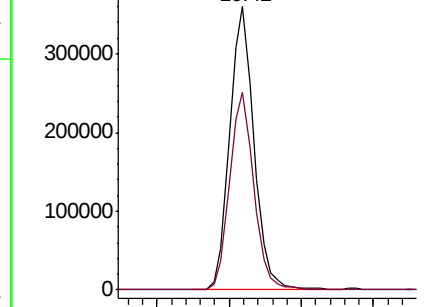
98 100

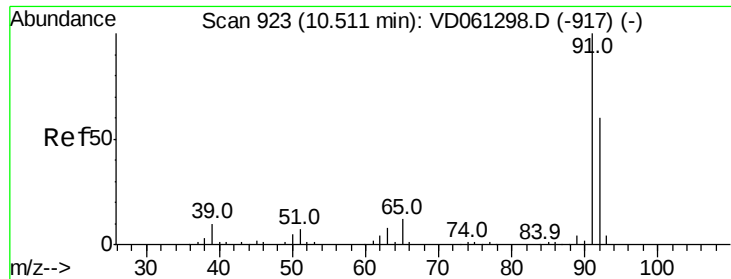
100 69.6 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 1.166 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD061307.D

Acq: 25 Mar 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

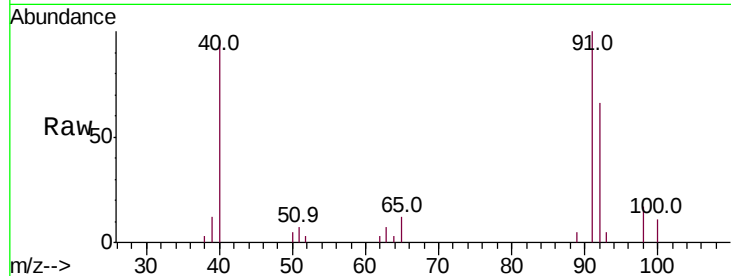
WP022-SB430-190319-(20-22)

Tot Ion: 92 Resp: 16407

Ion Ratio Lower Upper

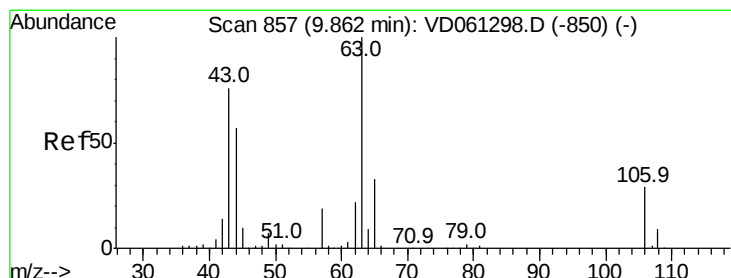
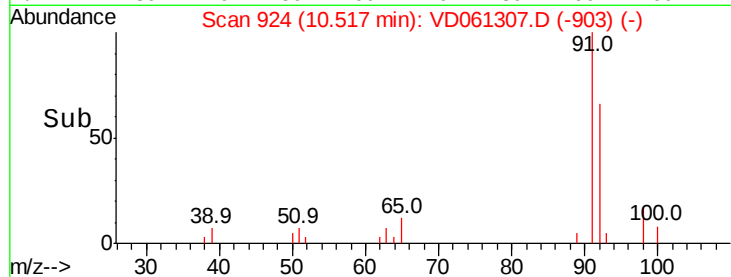
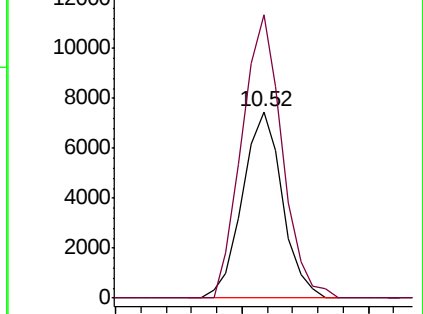
92 100

91 152.0 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 2.793 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD061307.D

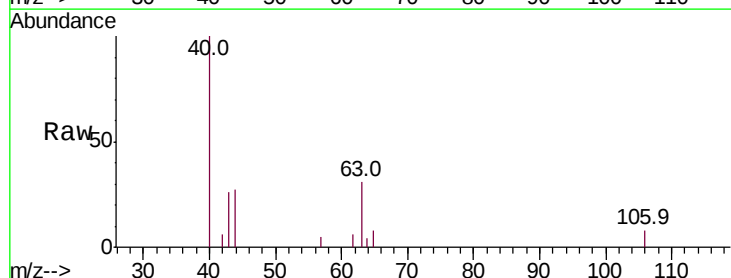
Acq: 25 Mar 2019 17:39

Tgt Ion: 63 Resp: 7243

Ion Ratio Lower Upper

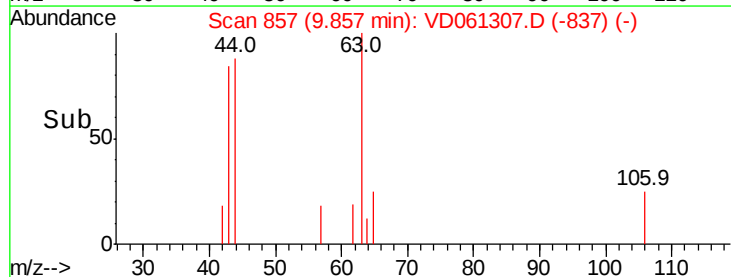
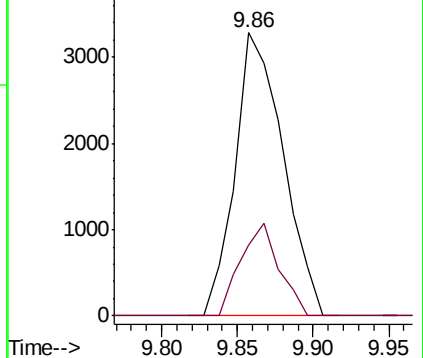
63 100

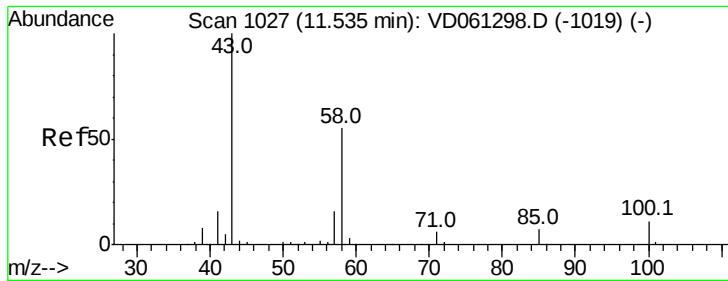
106 25.2 23.4 35.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

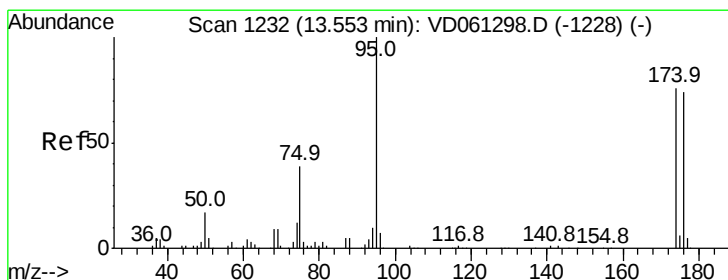
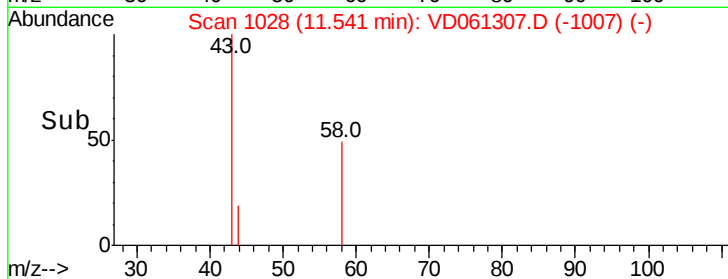
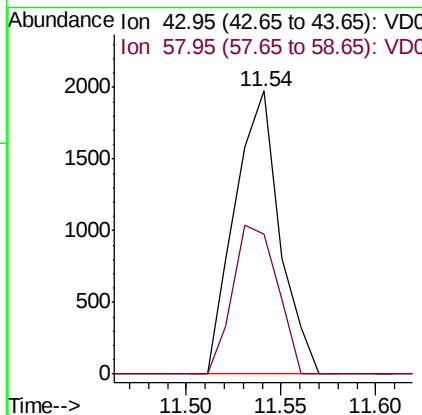
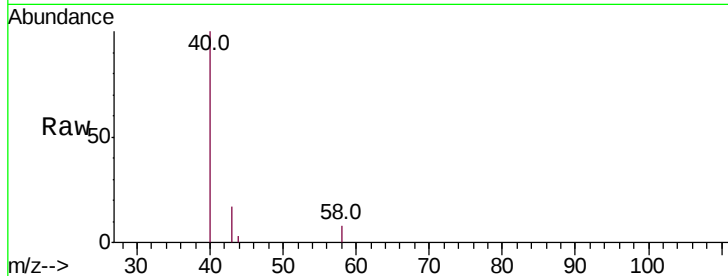




#59
2-Hexanone
Concen: 1.345 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VD061307.D
Acq: 25 Mar 2019 17:39

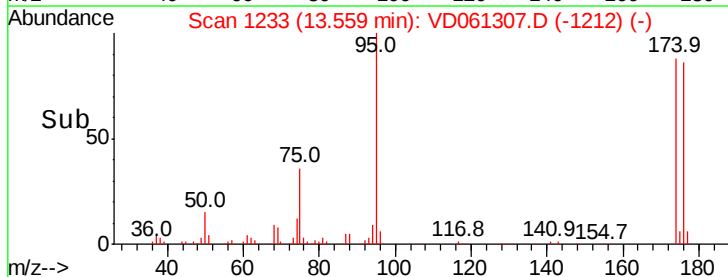
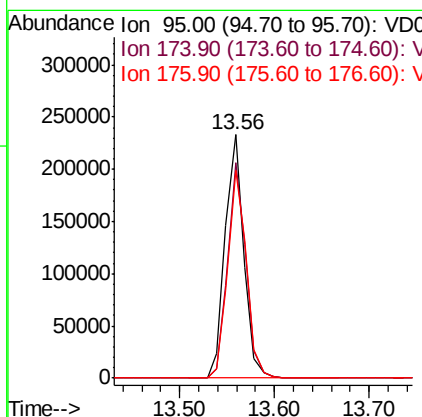
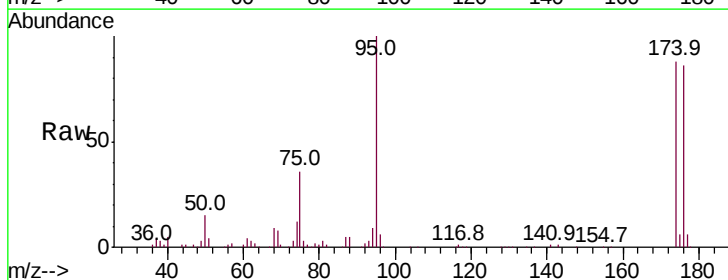
Instrument :
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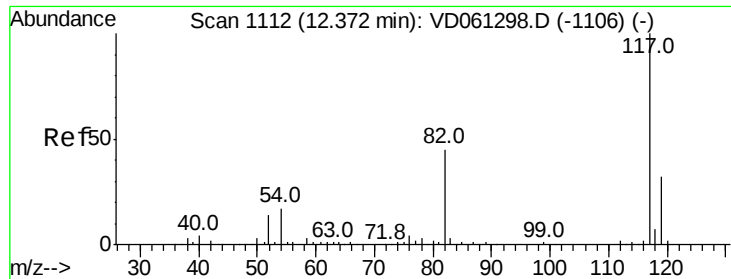
Tot Ion: 43 Resp: 3243
Ion Ratio Lower Upper
43 100
58 49.3 27.4 82.0



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061307.D
Acq: 25 Mar 2019 17:39

Tgt Ion: 95 Resp: 317815
Ion Ratio Lower Upper
95 100
174 88.3 0.0 151.8
176 85.6 0.0 148.0

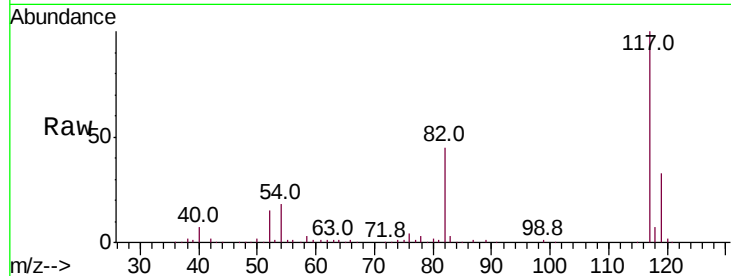




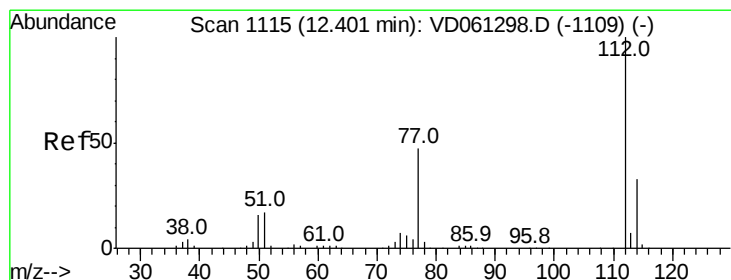
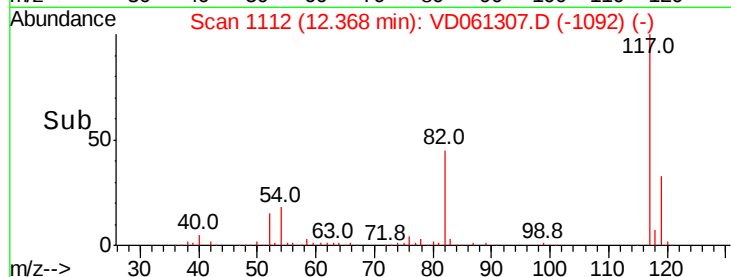
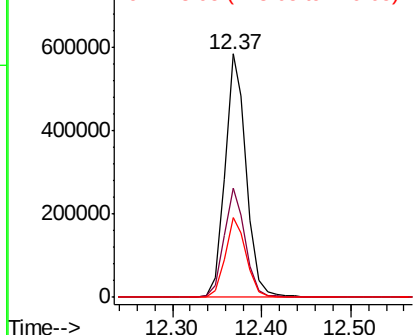
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD061307.D
Acq: 25 Mar 2019 17:39

Instrument :
MSVOA_D
ClientSampleId :
WP022-SB430-190319-(20-22)

Tot Ion:117 Resp: 981228
Ion Ratio Lower Upper
117 100
82 45.0 35.7 53.5
119 32.7 25.9 38.9

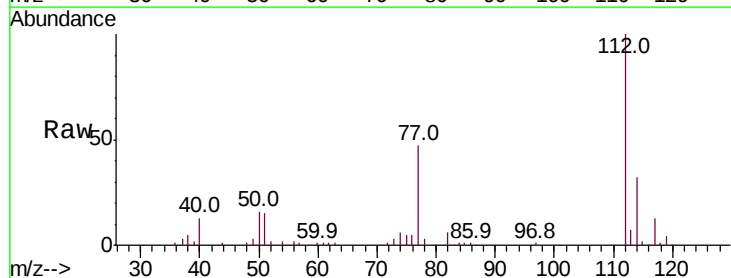


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

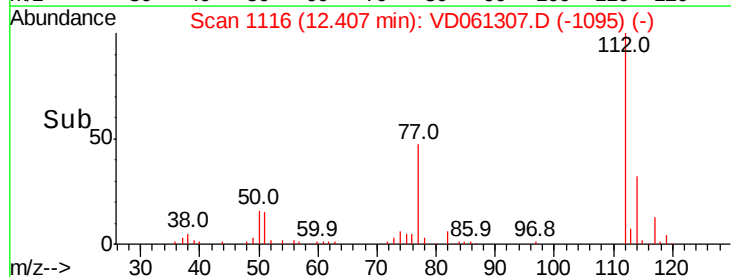
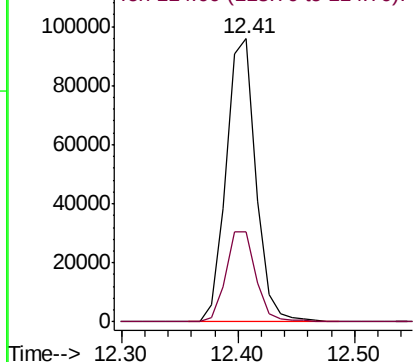


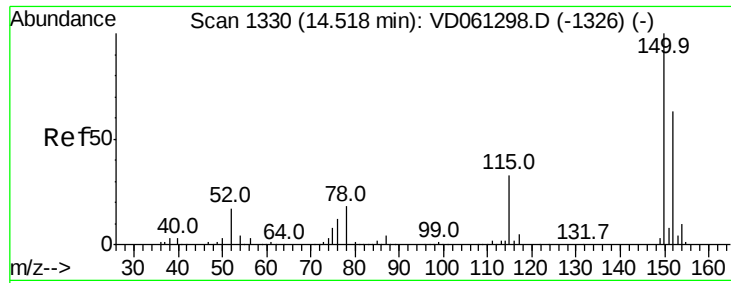
#65
Chlorobenzene
Concen: 9.355 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.01 min
Lab File: VD061307.D
Acq: 25 Mar 2019 17:39

Tgt Ion:112 Resp: 169072
Ion Ratio Lower Upper
112 100
114 31.8 26.5 39.7



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061307.D

Acq: 25 Mar 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

WP022-SB430-190319-(20-22)

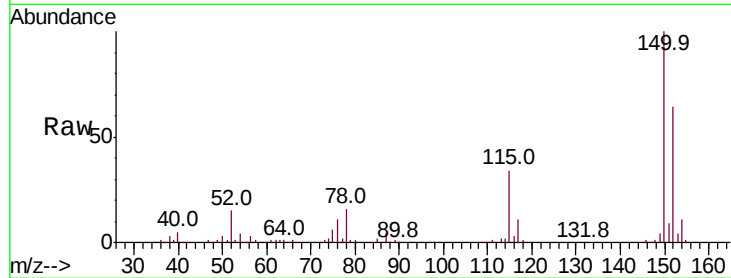
Tot Ion:152 Resp: 405888

Ion Ratio Lower Upper

152 100

115 52.3 29.2 87.6

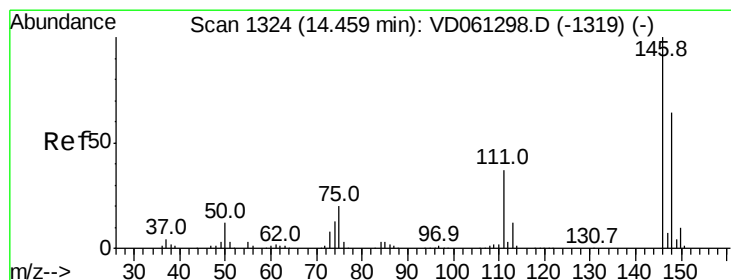
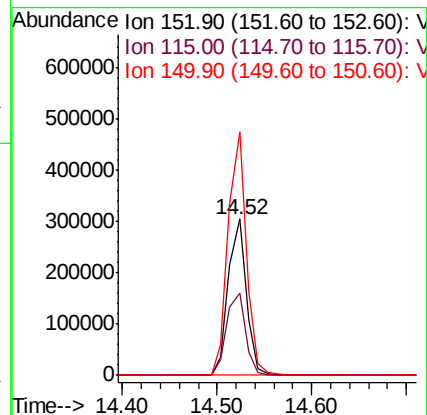
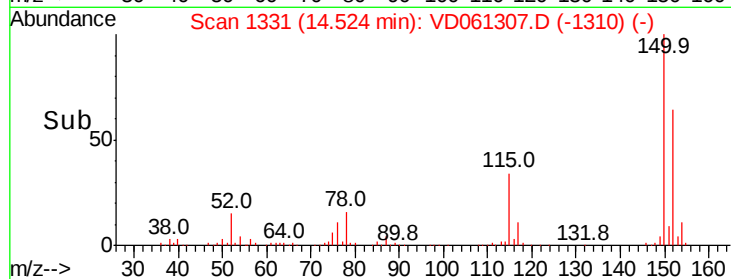
150 155.8 0.0 319.6



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



#87

1,3-Dichlorobenzene

Concen: 1.277 ug/l

RT: 14.45 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VD061307.D

Acq: 25 Mar 2019 17:39

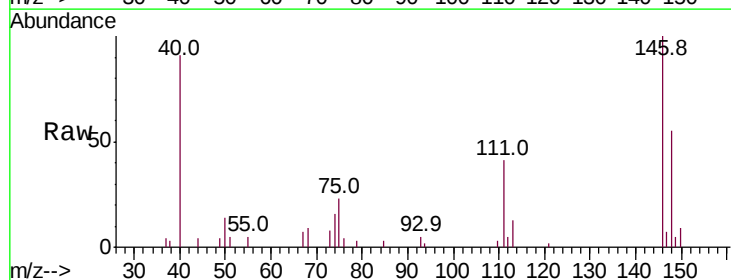
Tgt Ion:146 Resp: 16689

Ion Ratio Lower Upper

146 100

111 40.6 18.4 55.0

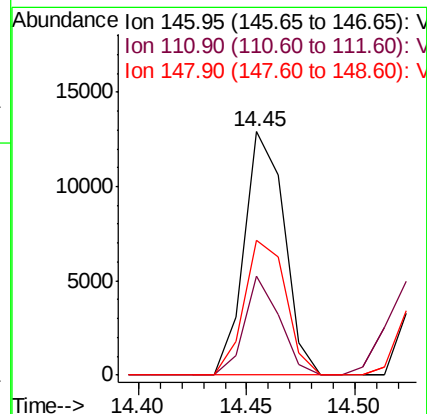
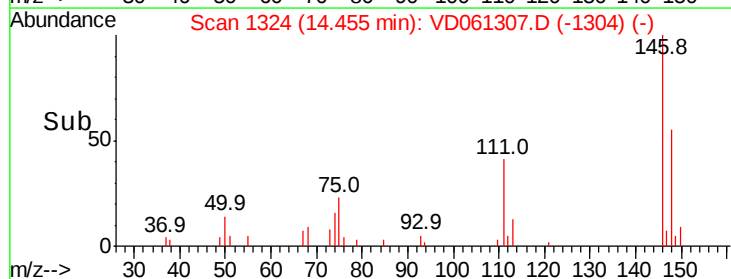
148 55.5 32.0 96.2

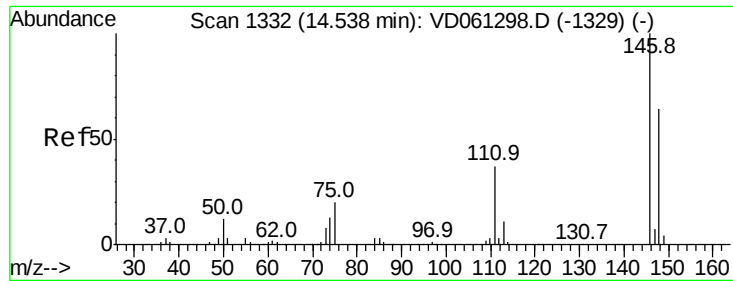


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 3.185 ug/l

RT: 14.54 min Scan# 1333

Delta R.T. 0.01 min

Lab File: VD061307.D

Acq: 25 Mar 2019 17:39

Instrument :

MSVOA_D

ClientSampleId :

WP022-SB430-190319-(20-22)

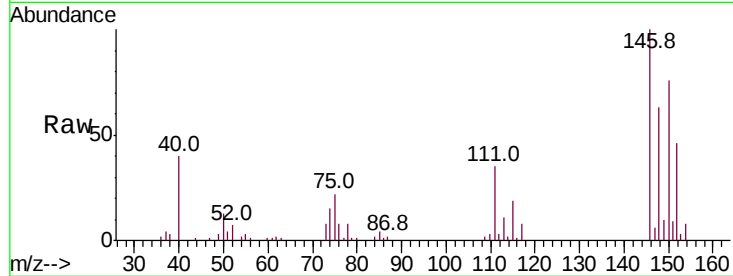
Tot Ion:146 Resp: 40333

Ion Ratio Lower Upper

146 100

111 34.8 18.6 55.6

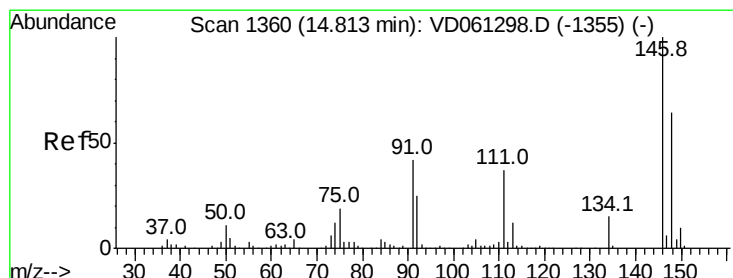
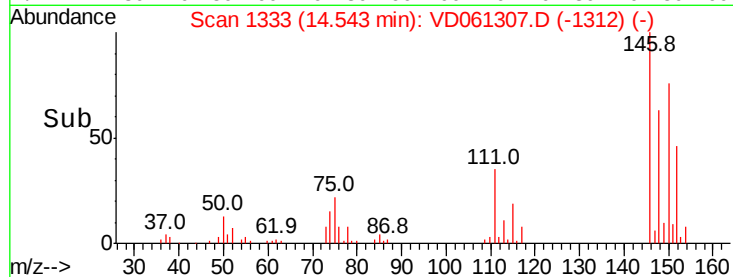
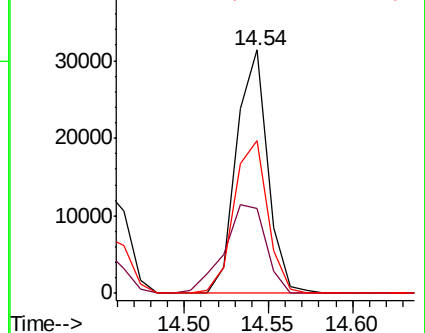
148 62.7 31.9 95.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 6.380 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VD061307.D

Acq: 25 Mar 2019 17:39

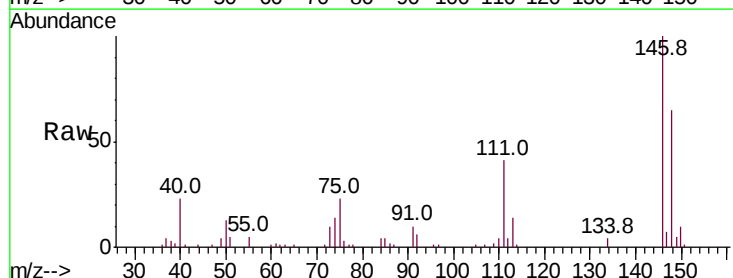
Tgt Ion:146 Resp: 66542

Ion Ratio Lower Upper

146 100

111 40.5 18.3 54.8

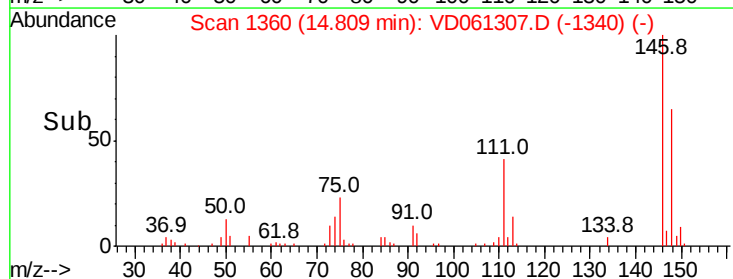
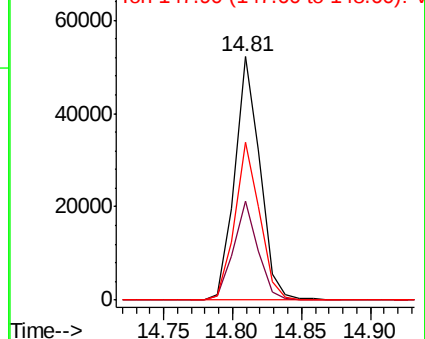
148 65.0 31.9 95.7

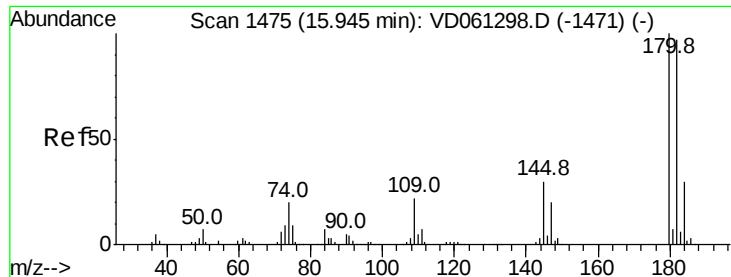


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

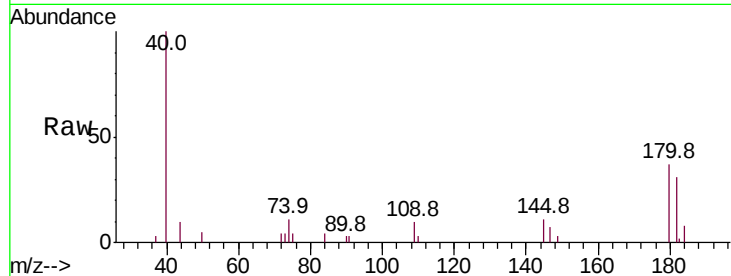




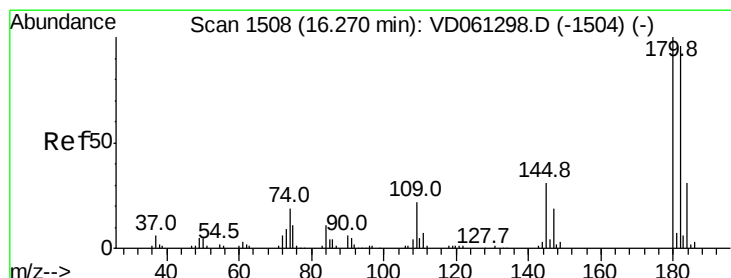
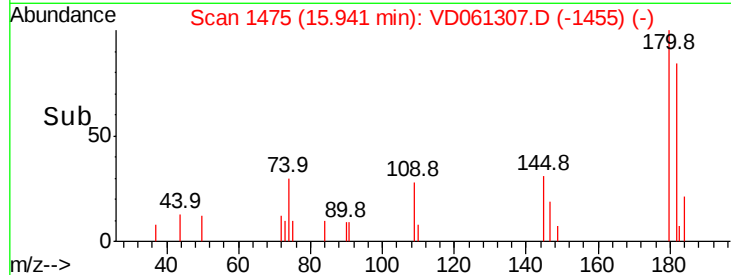
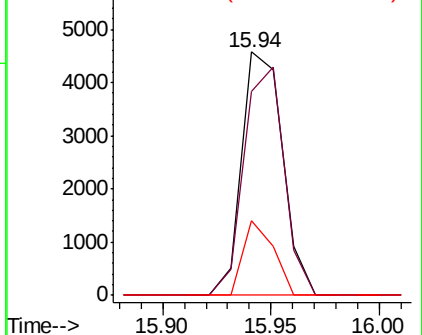
#93
 1,2,4-Trichlorobenzene
 Concen: 1.259 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061307.D
 Acq: 25 Mar 2019 17:39

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022-SB430-190319-(20-22)

Tot Ion:180 Resp: 6063
 Ion Ratio Lower Upper
 180 100
 182 83.9 48.3 144.9
 145 30.7 14.8 44.4

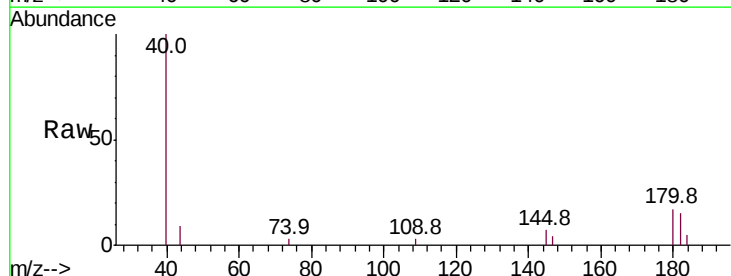


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V



#96
 1,2,3-Trichlorobenzene
 Concen: 1.080 ug/l
 RT: 16.28 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VD061307.D
 Acq: 25 Mar 2019 17:39

Tgt Ion:180 Resp: 2429
 Ion Ratio Lower Upper
 180 100
 182 90.3 48.0 144.2
 145 41.5 15.4 46.4



Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

