

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061312.D
 Acq On : 25 Mar 2019 19:57
 Operator : VA/AP
 Sample : K2043-11
 Misc : 6.09g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB430-190319-(23-26)

Quant Time: Mar 26 05:49:57 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	7.05	168	608223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1047691	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	726933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	233619	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	179005	34.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	68.22%	
35) Dibromofluoromethane	6.93	113	282942	35.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	70.58%	
50) Toluene-d8	10.41	98	643420	33.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	66.20%	
62) 4-Bromofluorobenzene	13.56	95	198374	26.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	52.32%	

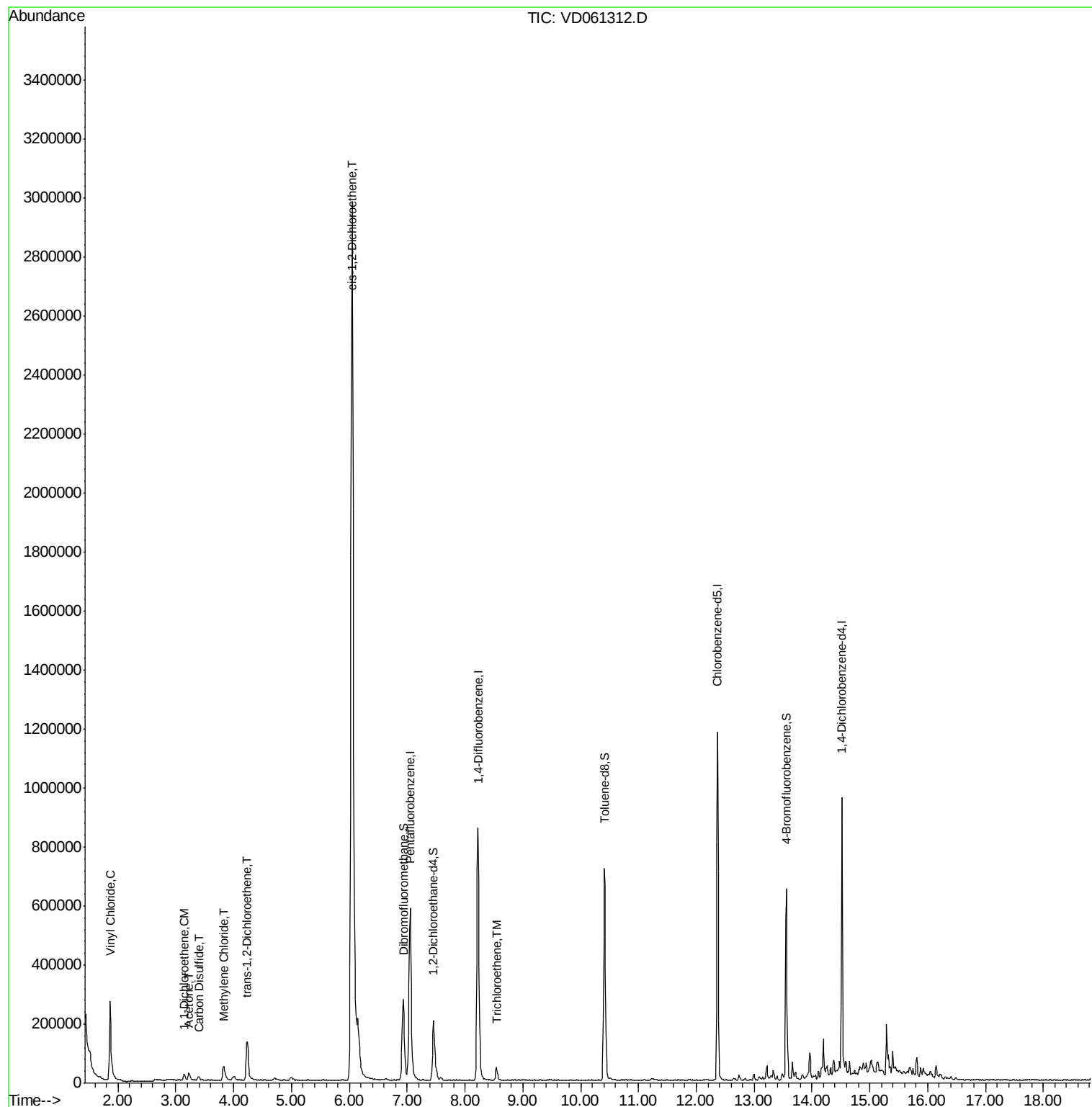
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.86	62	364503	80.362	ug/l	98
12) 1,1-Dichloroethene	3.14	96	11714	1.995	ug/l	92
16) Acetone	3.22	43	44604	35.536	ug/l	94
17) Carbon Disulfide	3.39	76	26175	1.342	ug/l #	92
20) Methylene Chloride	3.82	84	38688	5.431	ug/l	88
21) trans-1,2-Dichloroethene	4.24	96	92616	14.099	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	2374182	335.849	ug/l	93
44) Trichloroethene	8.55	130	22351	2.903	ug/l	98

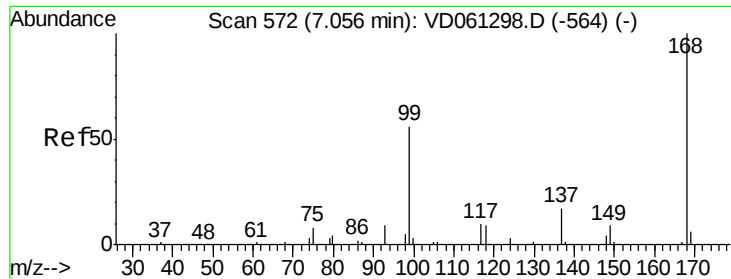
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032519\
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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: 7.05 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD061312.D

Acq: 25 Mar 2019 19:57

Instrument :

MSVOA_D

ClientSampleId :

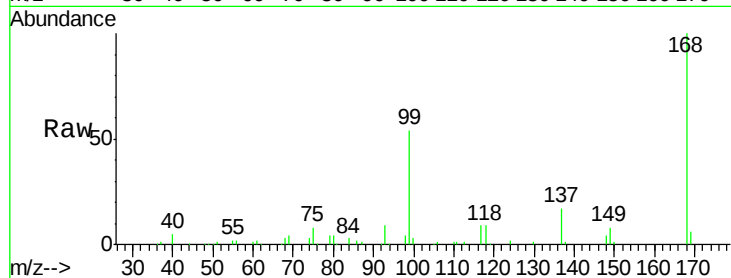
WP022SB430-190319-(23-26)

Tot Ion:168 Resp: 608223

Ion Ratio Lower Upper

168 100

99 53.8 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

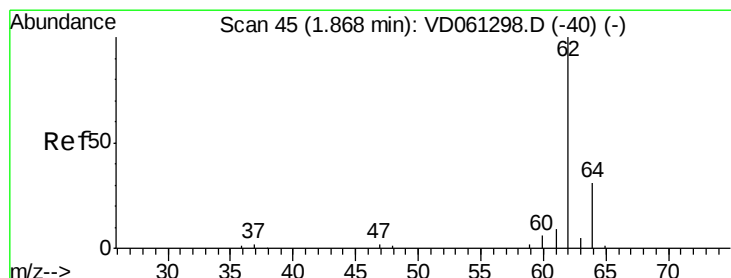
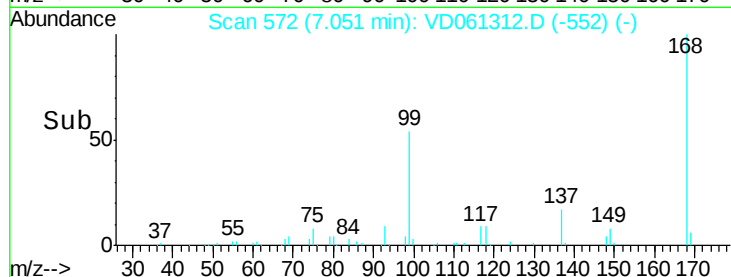
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#4

Vinyl Chloride

Concen: 80.362 ug/l

RT: 1.86 min Scan# 45

Delta R.T. -0.00 min

Lab File: VD061312.D

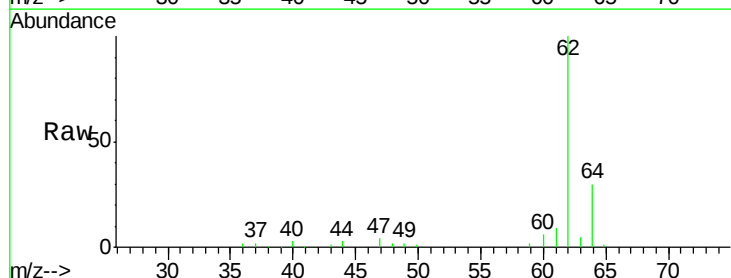
Acq: 25 Mar 2019 19:57

Tgt Ion: 62 Resp: 364503

Ion Ratio Lower Upper

62 100

64 30.2 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.86

150000

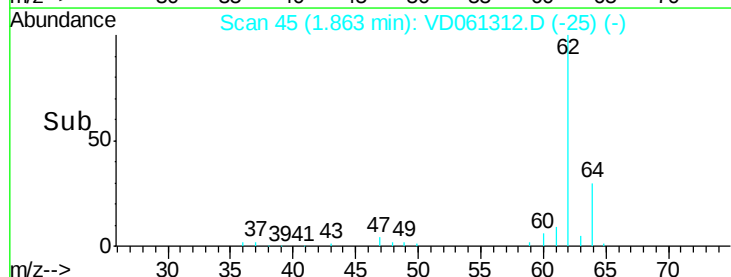
100000

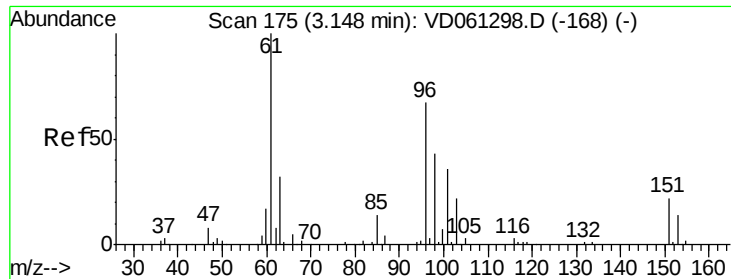
50000

0

1.80 1.90 2.00 2.10

Time-->





#12

1,1-Dichloroethene

Concen: 1.995 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD061312.D

Acq: 25 Mar 2019 19:57

Instrument :

MSVOA_D

ClientSampleId :

WP022SB430-190319-(23-26)

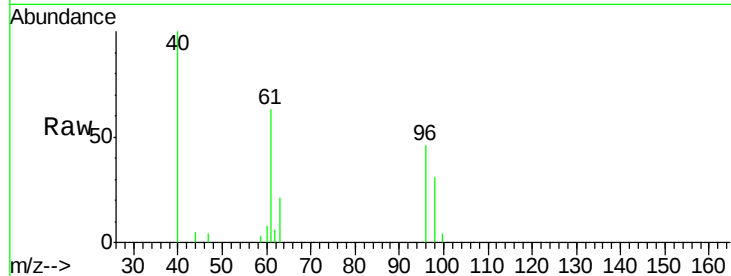
Tot Ion: 96 Resp: 11714

Ion Ratio Lower Upper

96 100

61 136.0 120.2 180.2

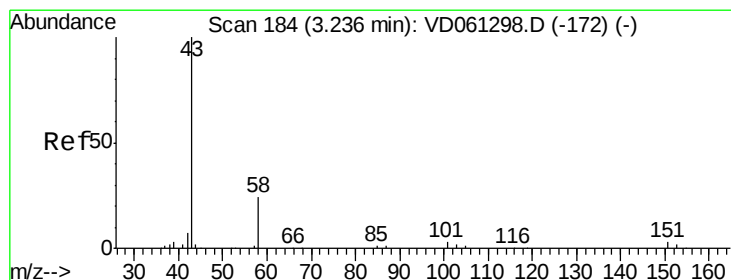
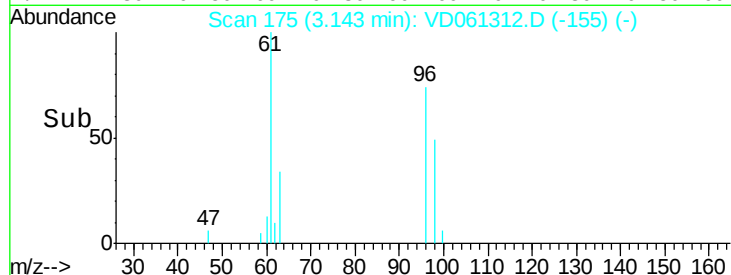
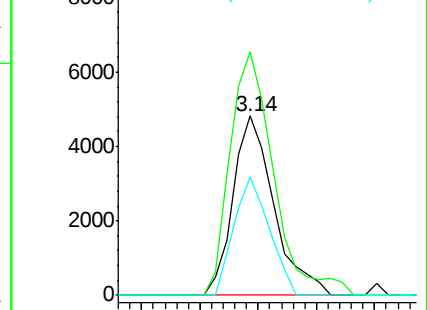
98 66.2 52.2 78.4



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



#16

Acetone

Concen: 35.536 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD061312.D

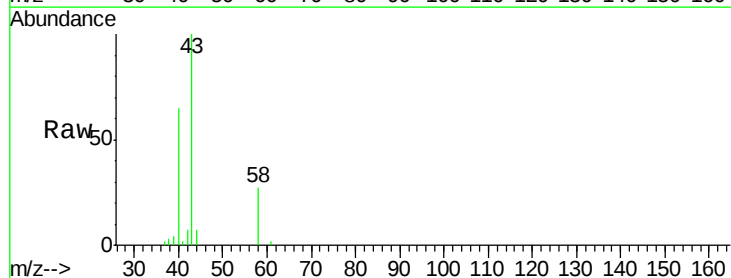
Acq: 25 Mar 2019 19:57

Tgt Ion: 43 Resp: 44604

Ion Ratio Lower Upper

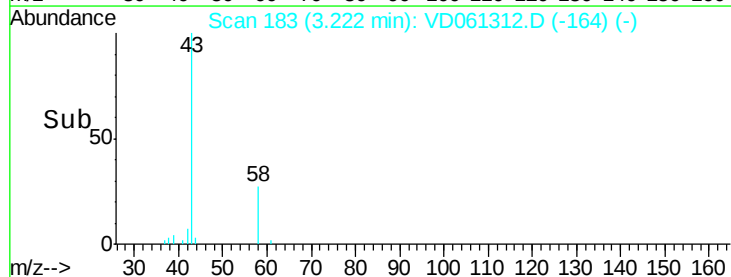
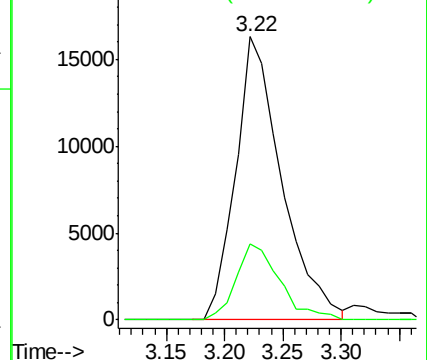
43 100

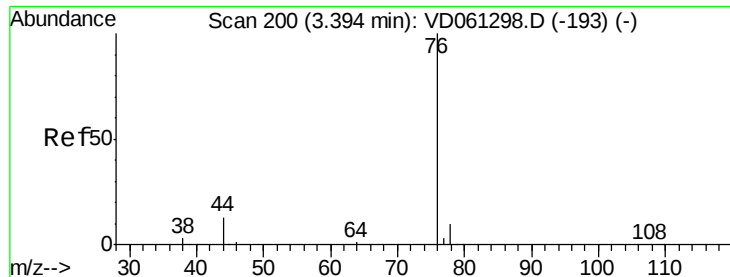
58 27.0 19.4 29.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 1.342 ug/l

RT: 3.39 min Scan# 200

Delta R.T. -0.00 min

Lab File: VD061312.D

Acq: 25 Mar 2019 19:57

Instrument :

MSVOA_D

ClientSampleId :

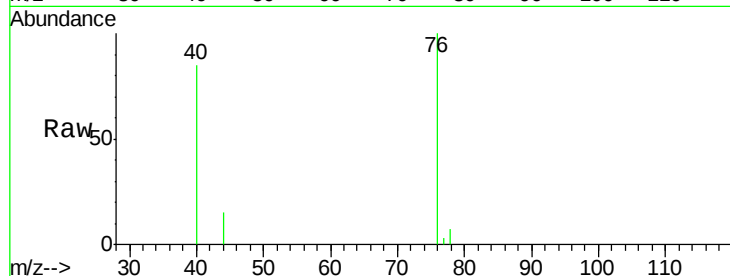
WP022SB430-190319-(23-26)

Tot Ion: 76 Resp: 26175

Ion Ratio Lower Upper

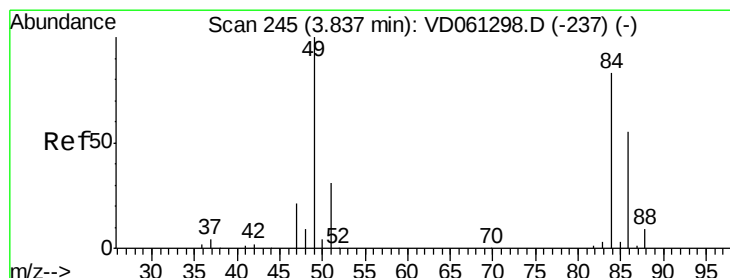
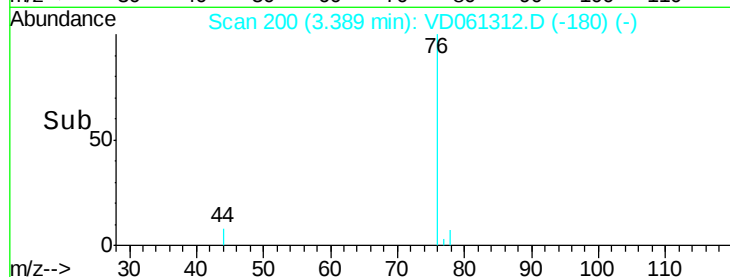
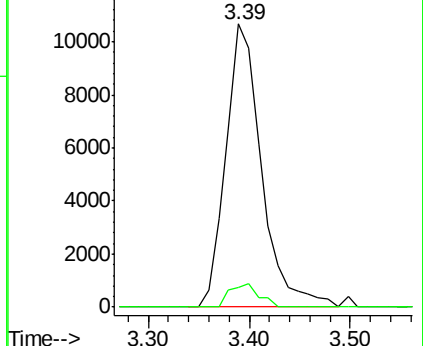
76 100

78 6.8 7.8 11.6#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#20

Methylene Chloride

Concen: 5.431 ug/l

RT: 3.82 min Scan# 244

Delta R.T. -0.01 min

Lab File: VD061312.D

Acq: 25 Mar 2019 19:57

Tgt Ion: 84 Resp: 38688

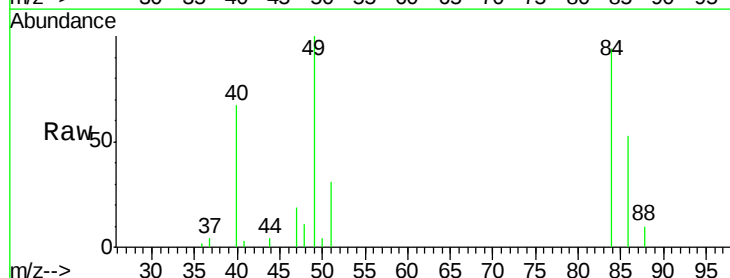
Ion Ratio Lower Upper

84 100

49 106.7 96.8 145.2

51 32.7 29.9 44.9

86 56.3 53.1 79.7

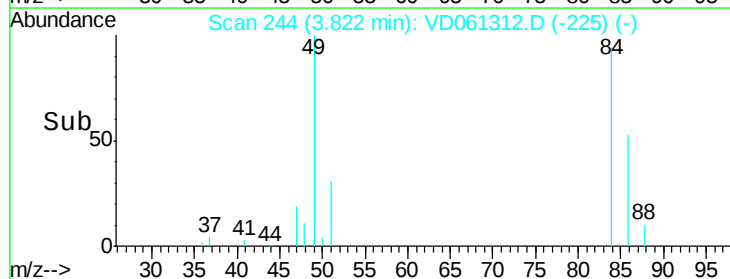
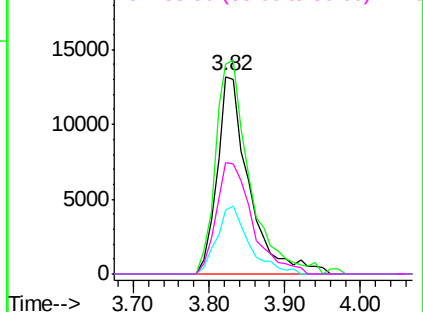


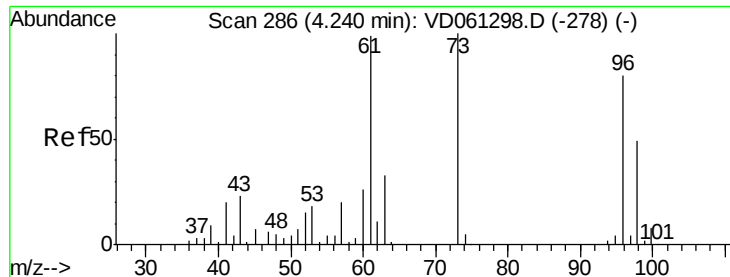
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 14.099 ug/l

RT: 4.24 min Scan# 286

Delta R.T. -0.00 min

Lab File: VD061312.D

Acq: 25 Mar 2019 19:57

Instrument :

MSVOA_D

ClientSampleId :

WP022SB430-190319-(23-26)

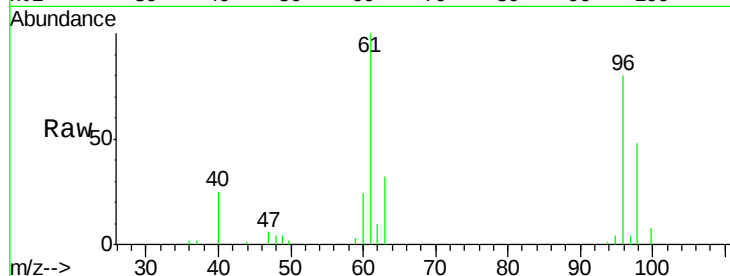
Tot Ion: 96 Resp: 92616

Ion Ratio Lower Upper

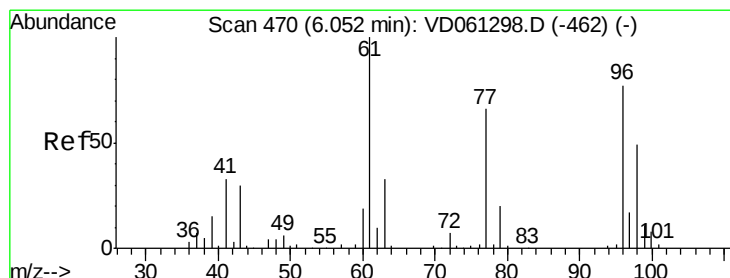
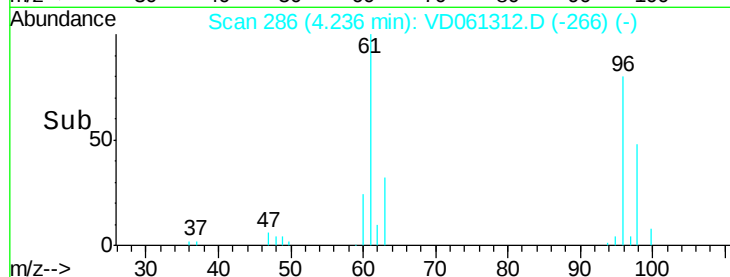
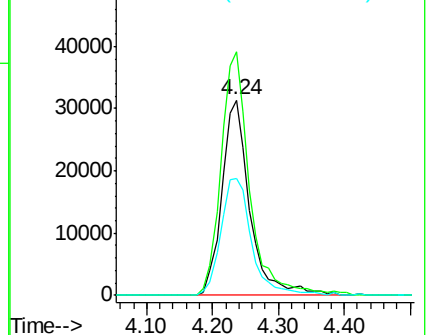
96 100

61 124.8 99.2 148.8

98 60.3 49.2 73.8



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



#27

cis-1,2-Dichloroethene

Concen: 335.849 ug/l

RT: 6.05 min Scan# 470

Delta R.T. -0.00 min

Lab File: VD061312.D

Acq: 25 Mar 2019 19:57

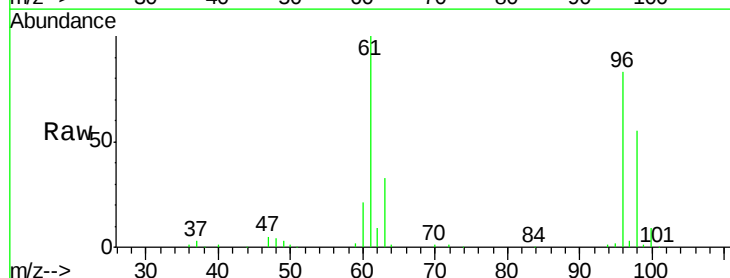
Tgt Ion: 96 Resp: 2374182

Ion Ratio Lower Upper

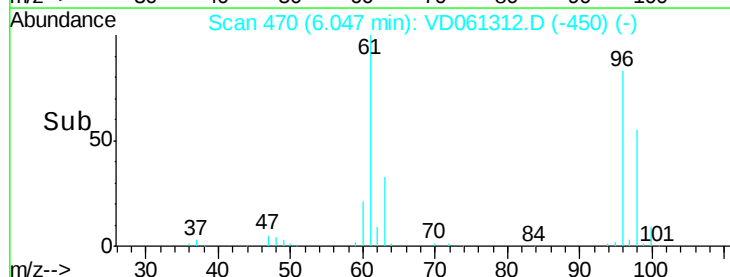
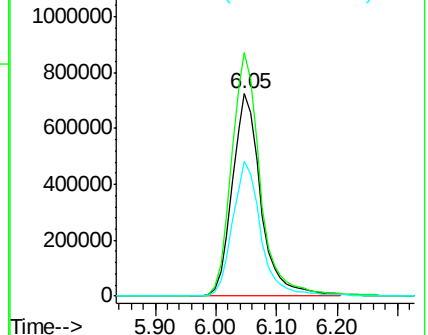
96 100

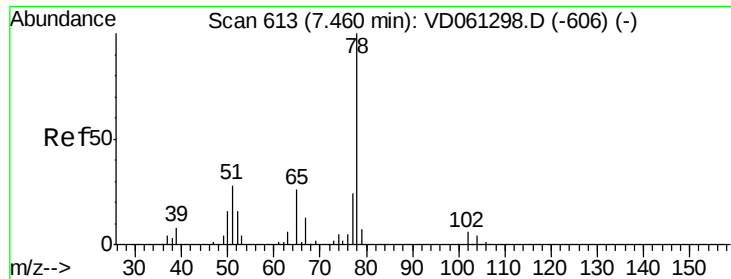
61 120.2 0.0 261.0

98 66.3 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: N.D. ug/l

RT: 7.45 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD061312.D

Acq: 25 Mar 2019 19:57

Instrument :

MSVOA_D

ClientSampleId :

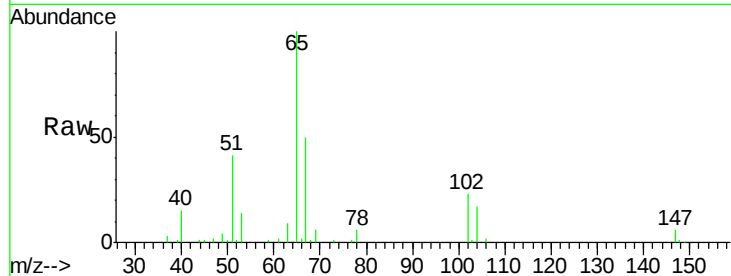
WP022SB430-190319-(23-26)

Tot Ion: 65 Resp: 179005

Ion Ratio Lower Upper

65 100

67 49.6 0.0 100.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

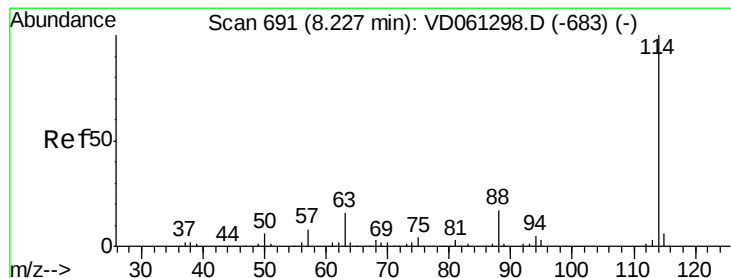
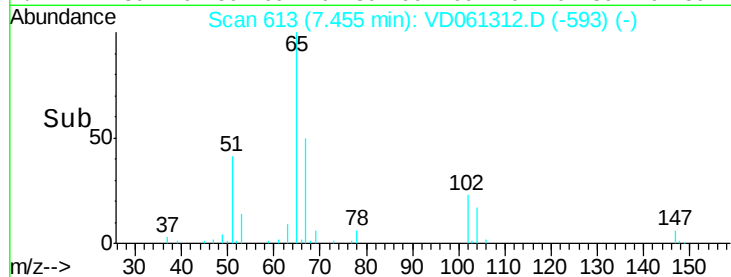
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. -0.00 min

Lab File: VD061312.D

Acq: 25 Mar 2019 19:57

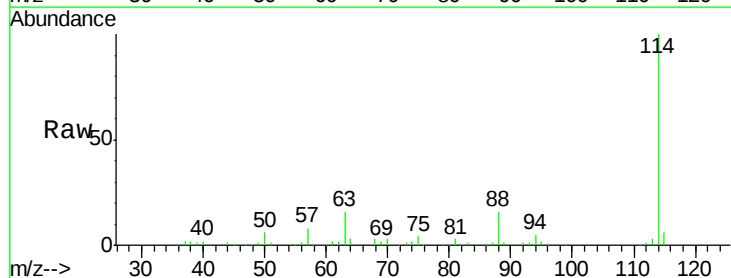
Tgt Ion: 114 Resp: 1047691

Ion Ratio Lower Upper

114 100

63 15.8 0.0 31.4

88 16.5 0.0 33.2



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

8.22

500000

400000

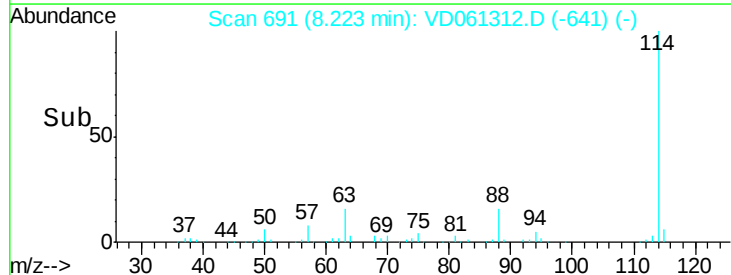
300000

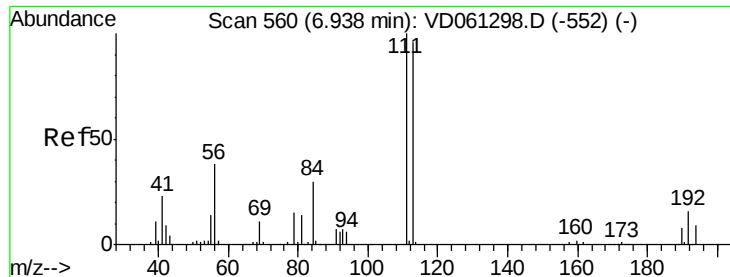
200000

100000

0

Time--> 8.10 8.20 8.30 8.40 8.50





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD061312.D

Acq: 25 Mar 2019 19:57

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WP022SB430-190319-(23-26)

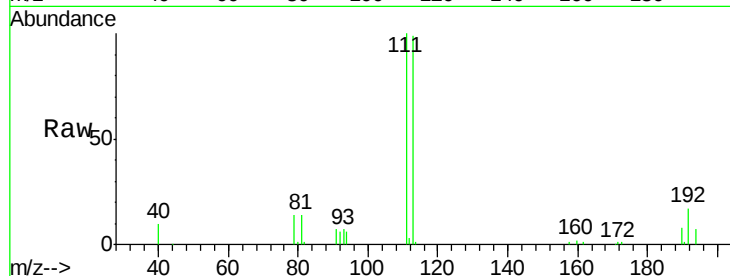
Tot Ion:113 Resp: 282942

Ion Ratio Lower Upper

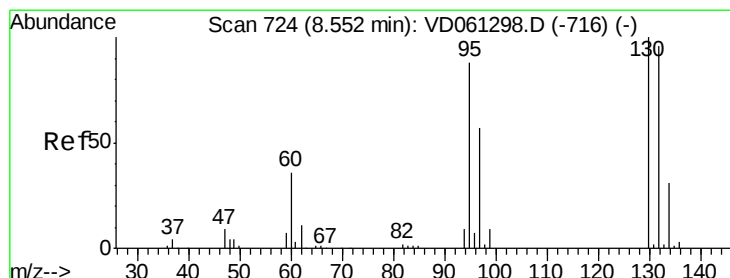
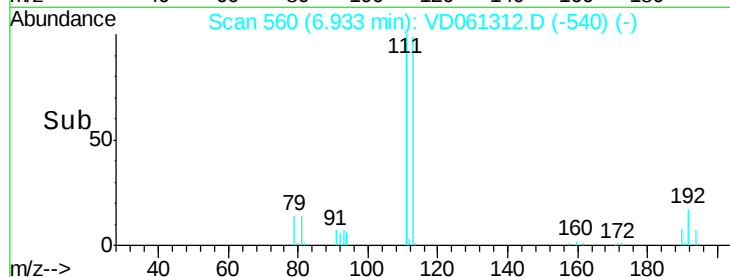
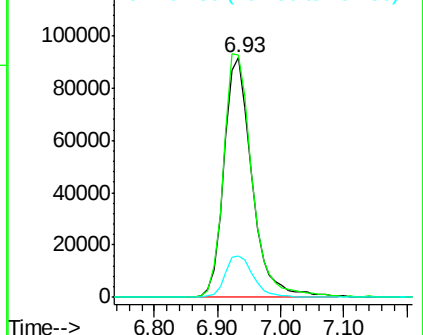
113 100

111 101.1 83.7 125.5

192 17.4 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



#44

Trichloroethene

Concen: 2.903 ug/l

RT: 8.55 min Scan# 724

Delta R.T. -0.00 min

Lab File: VD061312.D

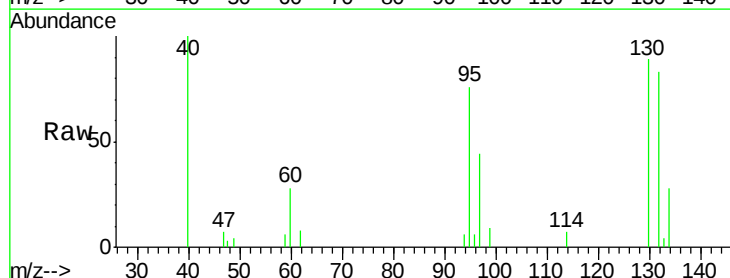
Acq: 25 Mar 2019 19:57

Tgt Ion:130 Resp: 22351

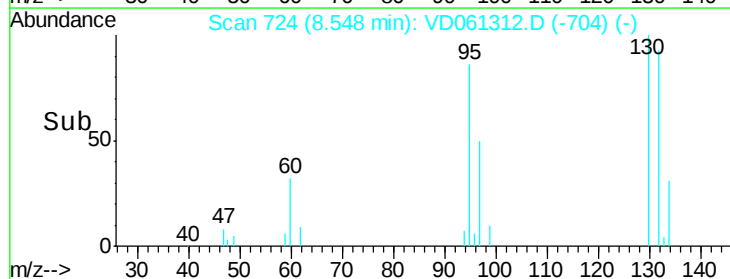
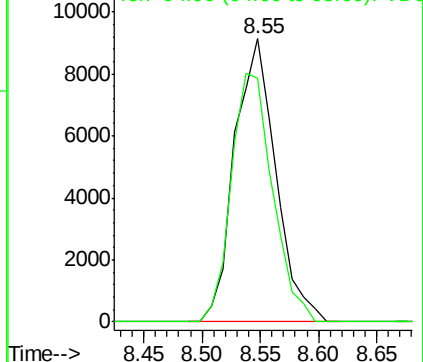
Ion Ratio Lower Upper

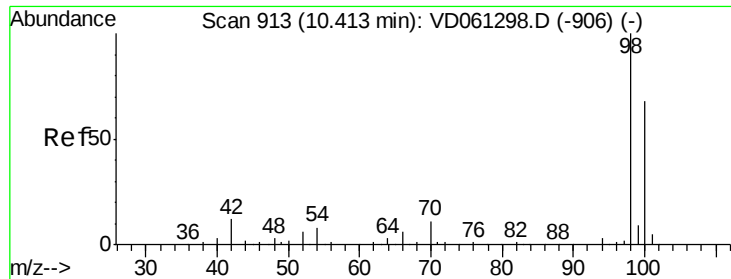
130 100

95 86.0 0.0 175.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD061312.D

Acq: 25 Mar 2019 19:57

Instrument :

MSVOA_D

ClientSampleId :

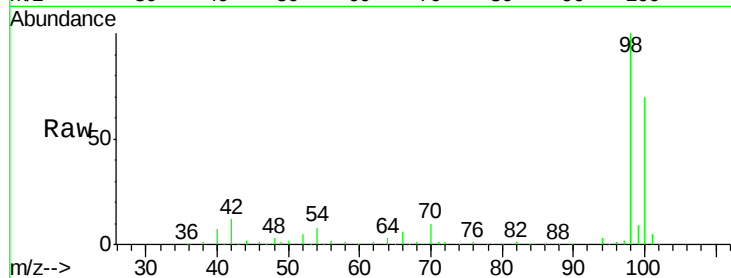
WP022SB430-190319-(23-26)

Tot Ion: 98 Resp: 643420

Ion Ratio Lower Upper

98 100

100 69.9 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VD061298.D (-906) (-)

Ion 100.05 (99.75 to 100.75): VD061298.D (-906) (-)

10.41

250000

200000

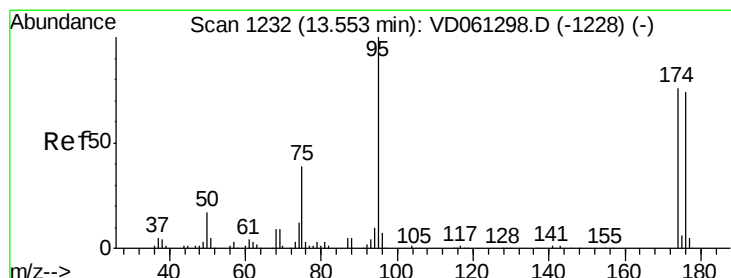
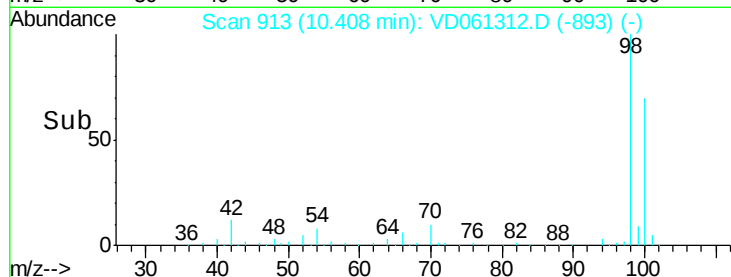
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD061312.D

Acq: 25 Mar 2019 19:57

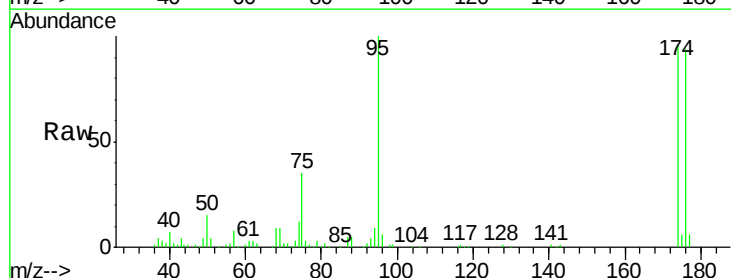
Tgt Ion: 95 Resp: 198374

Ion Ratio Lower Upper

95 100

174 95.9 0.0 151.8

176 93.8 0.0 148.0



Abundance Ion 95.00 (94.70 to 95.70): VD061298.D (-1228) (-)

Ion 173.90 (173.60 to 174.60): VD061298.D (-1228) (-)

Ion 175.90 (175.60 to 176.60): VD061298.D (-1228) (-)

13.56

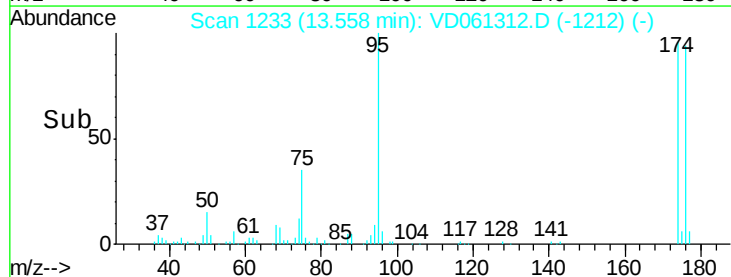
150000

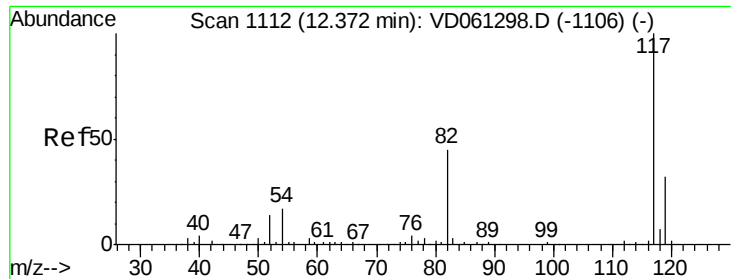
100000

50000

0

Time-->

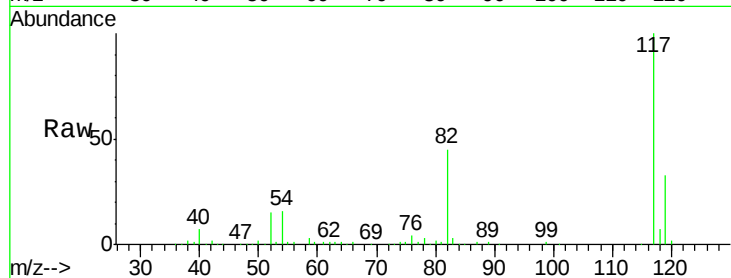




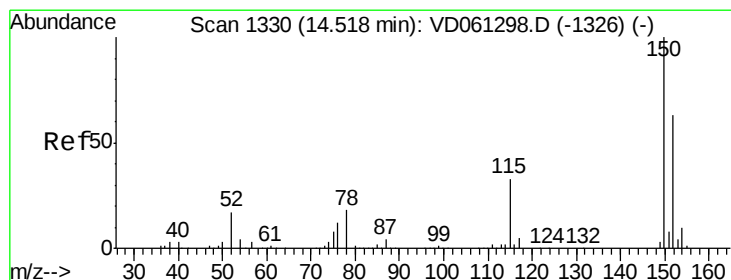
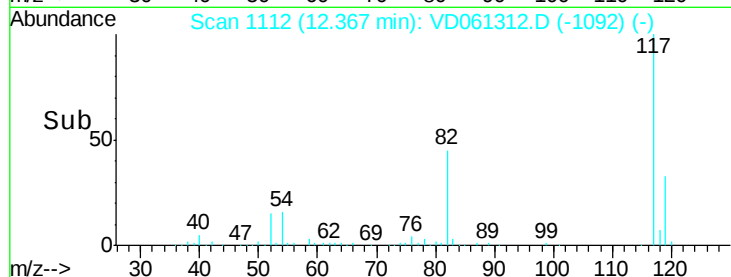
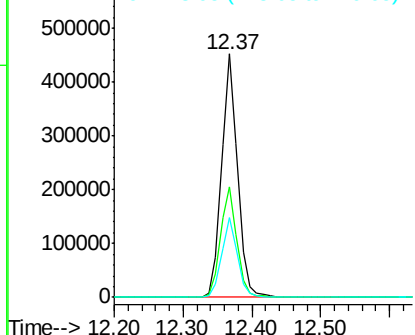
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD061312.D
Acq: 25 Mar 2019 19:57

Instrument :
MSVOA_D
ClientSampleId :
WP022SB430-190319-(23-26)

Tot Ion:117 Resp: 726933
Ion Ratio Lower Upper
117 100
82 45.2 35.7 53.5
119 32.6 25.9 38.9

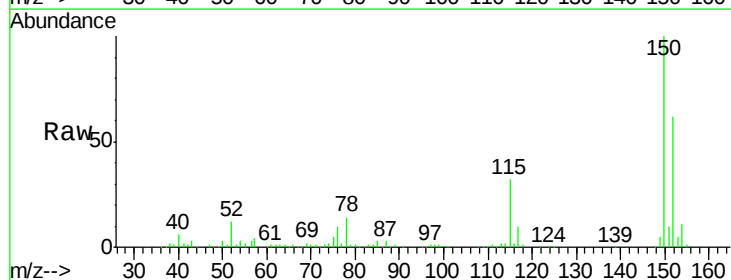


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061312.D
Acq: 25 Mar 2019 19:57

Tgt Ion:152 Resp: 233619
Ion Ratio Lower Upper
152 100
115 52.1 29.2 87.6
150 161.2 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

