

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061310.D
 Acq On : 25 Mar 2019 19:02
 Operator : VA/AP
 Sample : K2047-06
 Misc : 6.46g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB431-190320-(23-25)

Quant Time: Mar 26 09:11:51 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	4815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	9707	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	9379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	4348	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	1165	28.04	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	56.08%	
35) Dibromofluoromethane	6.93	113	2340	31.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	63.00%	
50) Toluene-d8	10.41	98	6964	38.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	77.34%	
62) 4-Bromofluorobenzene	13.55	95	2580	36.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	73.44%	

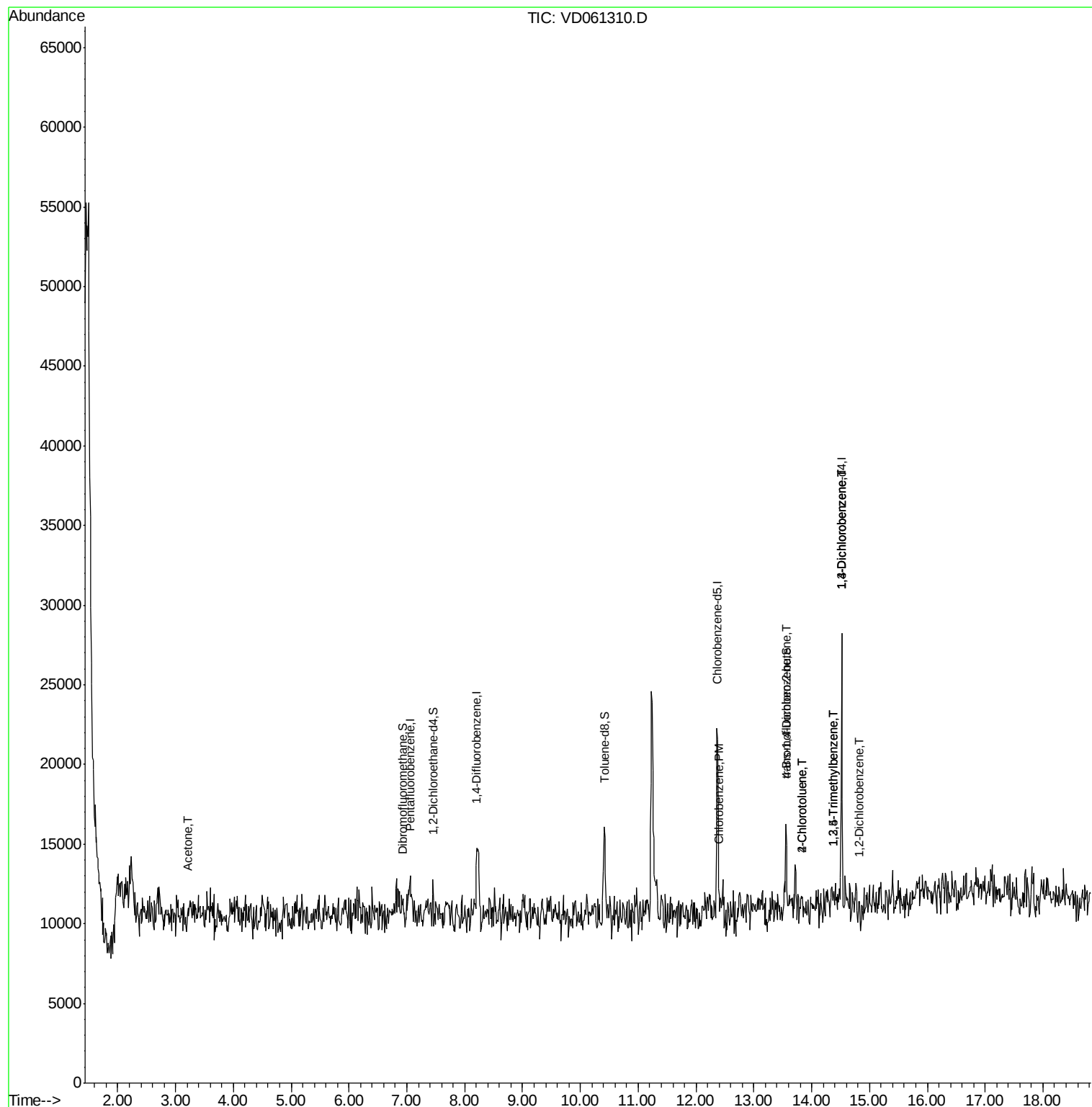
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.20	43	1788	179.939	ug/l #	51
65) Chlorobenzene	12.40	112	286	1.656	ug/l #	42
79) 2-Chlorotoluene	13.84	91	224	1.206	ug/l #	38
80) 1,3,5-Trimethylbenzene	14.37	105	239	1.071	ug/l #	29
81) trans-1,4-Dichloro-2-buten	13.55	75	773	45.298	ug/l #	17
82) 4-Chlorotoluene	13.84	91	224	1.103	ug/l #	39
84) 1,2,4-Trimethylbenzene	14.37	105	239	1.071	ug/l #	29
87) 1,3-Dichlorobenzene	14.53	146	188	1.343	ug/l #	25
88) 1,4-Dichlorobenzene	14.53	146	188	1.386	ug/l #	26
91) 1,2-Dichlorobenzene	14.81	146	199	1.781	ug/l #	26

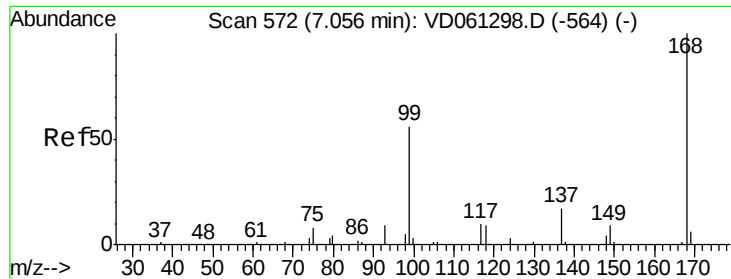
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032519\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
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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# 571

Delta R.T. -0.01 min

Lab File: VD061310.D

Acq: 25 Mar 2019 19:02

Instrument :

MSVOA_D

ClientSampleId :

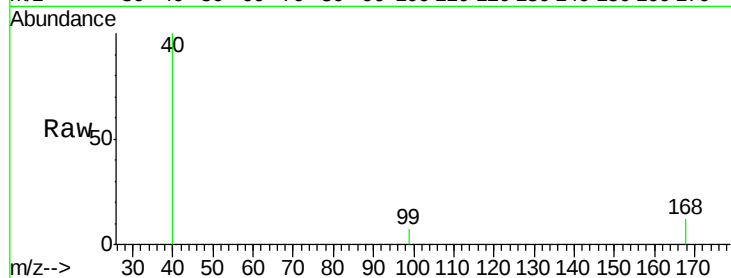
WP022SB431-190320-(23-25)

Tot Ion:168 Resp: 4815

Ion Ratio Lower Upper

168 100

99 60.4 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

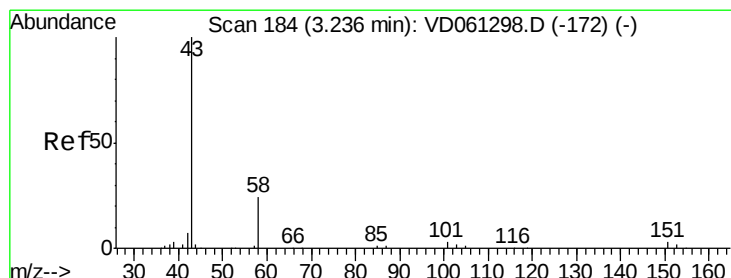
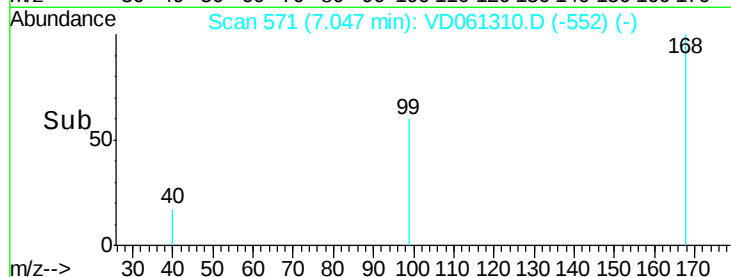
1000

500

0

6.95 7.00 7.05 7.10 7.15

Time-->



#16

Acetone

Concen: 179.939 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.04 min

Lab File: VD061310.D

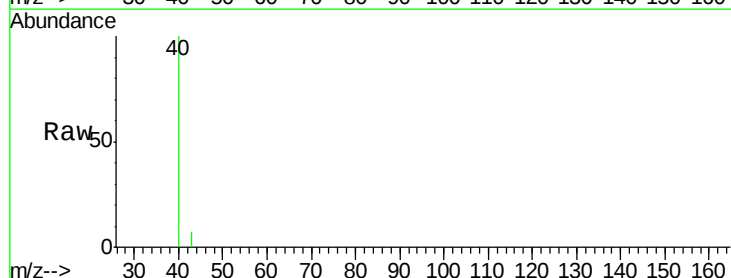
Acq: 25 Mar 2019 19:02

Tgt Ion: 43 Resp: 1788

Ion Ratio Lower Upper

43 100

58 0.0 19.4 29.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.20

800

600

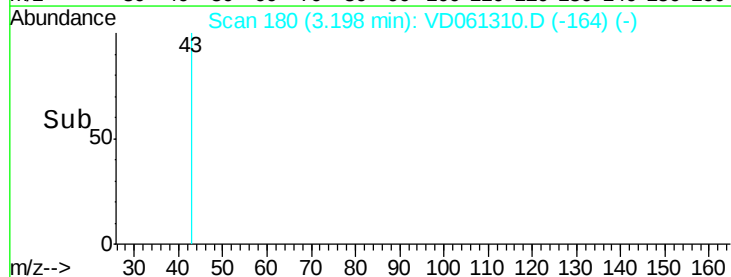
400

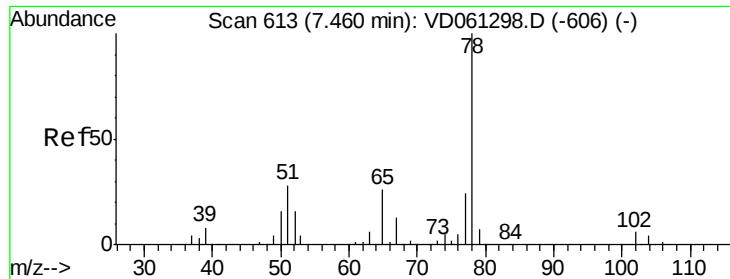
200

0

3.15 3.20 3.25

Time-->





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD061310.D

Acq: 25 Mar 2019 19:02

Instrument :

MSVOA_D

ClientSampleId :

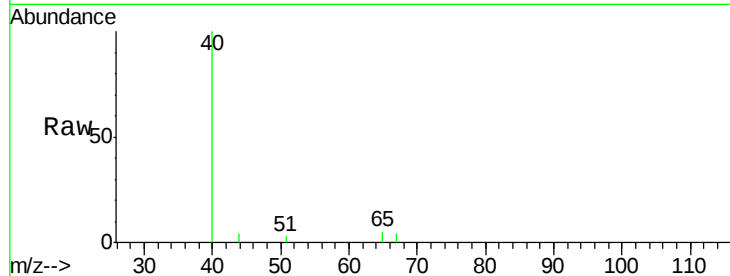
WP022SB431-190320-(23-25)

Tot Ion: 65 Resp: 1165

Ion Ratio Lower Upper

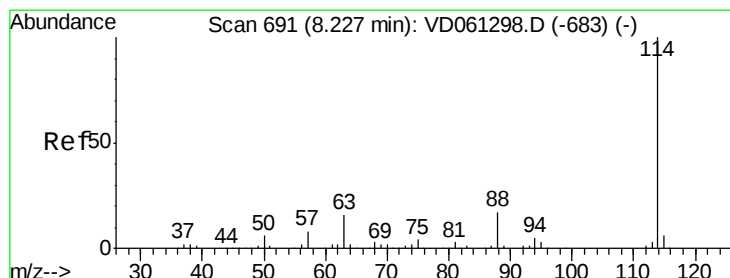
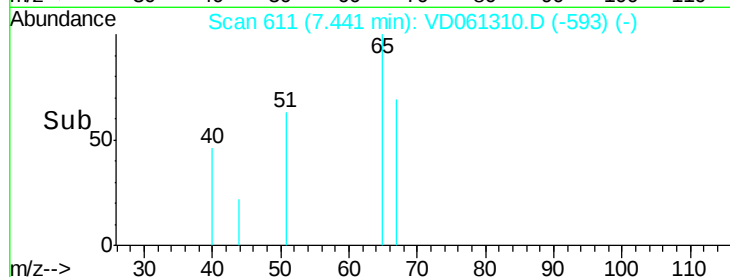
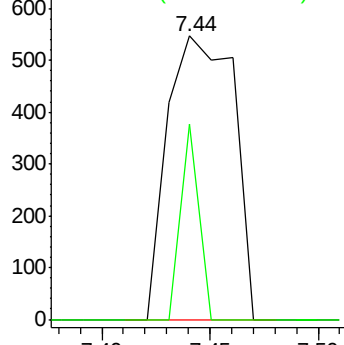
65 100

67 68.7 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: 8.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD061310.D

Acq: 25 Mar 2019 19:02

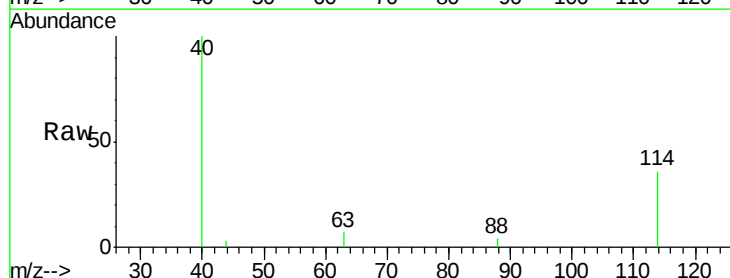
Tgt Ion: 114 Resp: 9707

Ion Ratio Lower Upper

114 100

63 20.4 0.0 31.4

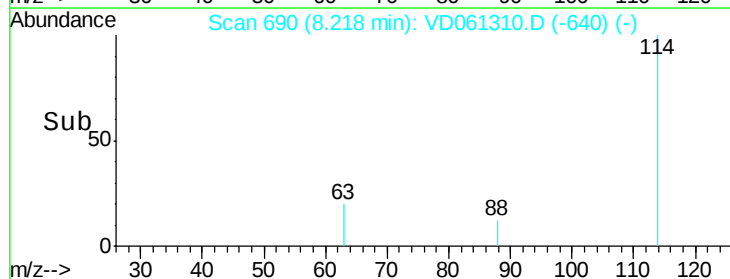
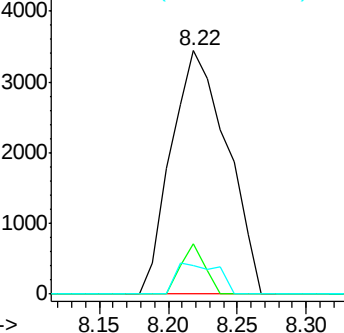
88 11.8 0.0 33.2

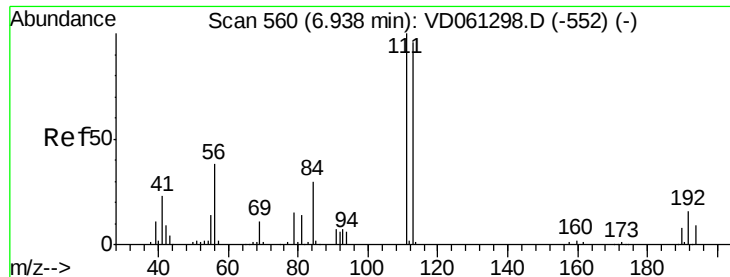


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD061310.D

Acq: 25 Mar 2019 19:02

Instrument :

MSVOA_D

ClientSampleId :

WP022SB431-190320-(23-25)

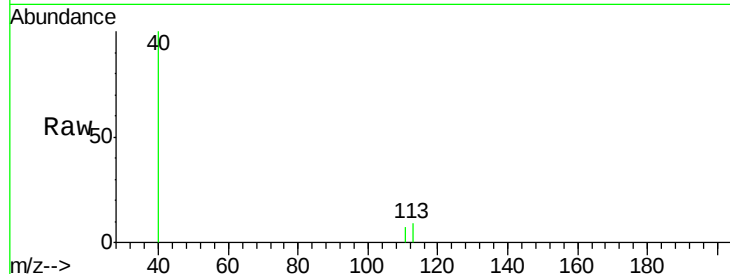
Tot Ion:113 Resp: 2340

Ion Ratio Lower Upper

113 100

111 78.4 83.7 125.5#

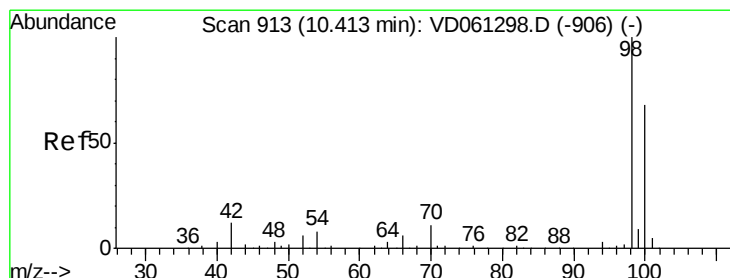
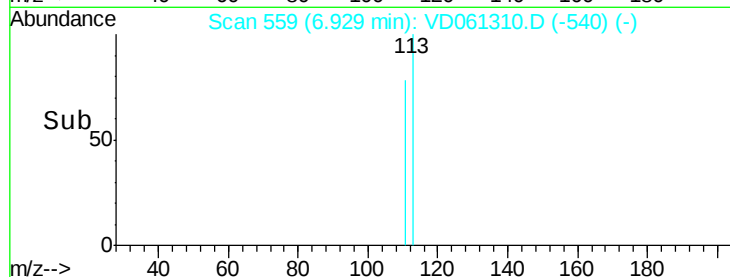
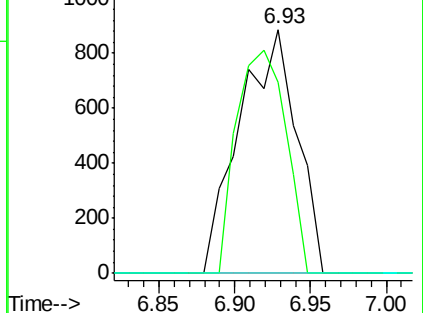
192 0.0 13.4 20.0#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.00 min

Lab File: VD061310.D

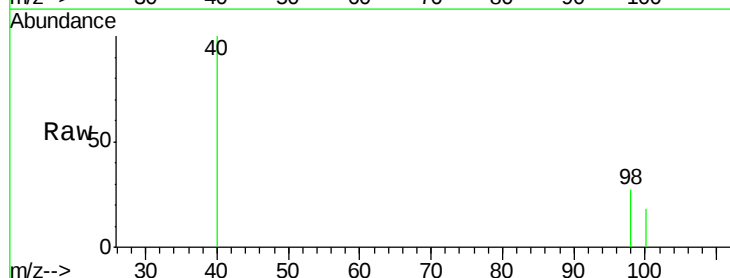
Acq: 25 Mar 2019 19:02

Tgt Ion: 98 Resp: 6964

Ion Ratio Lower Upper

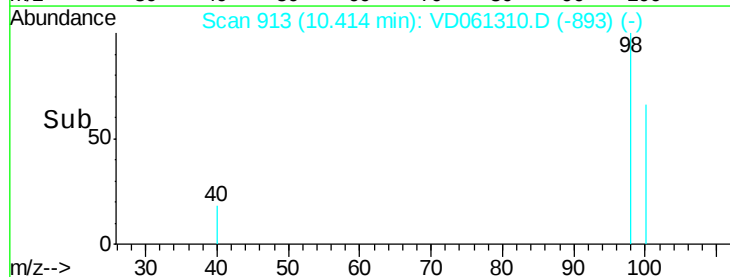
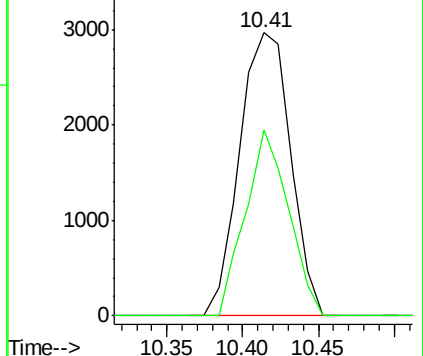
98 100

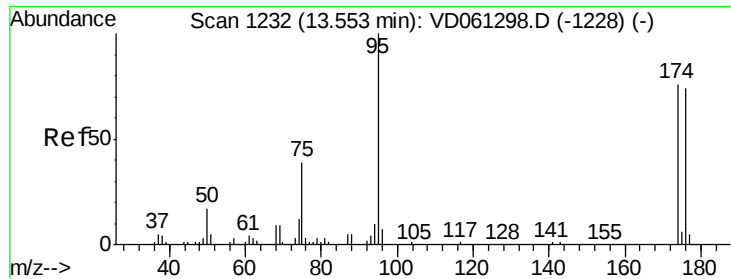
100 65.9 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

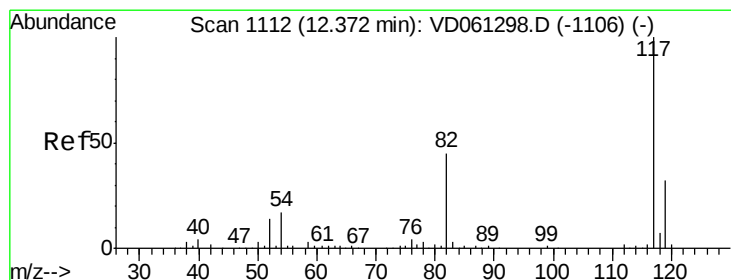
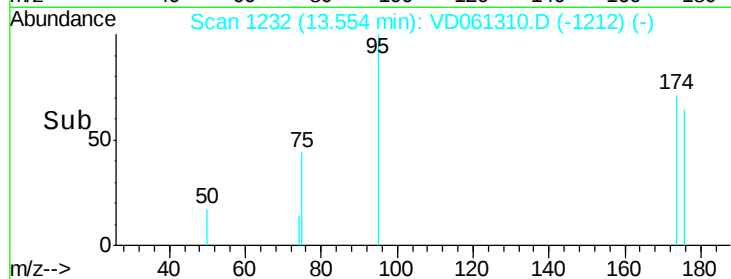
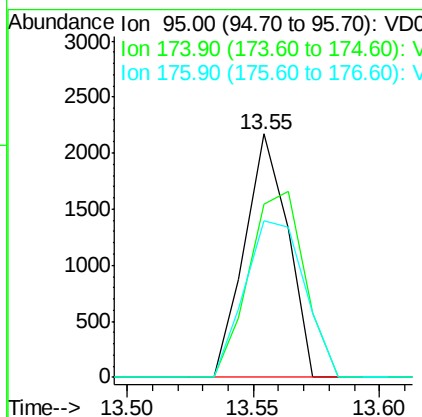
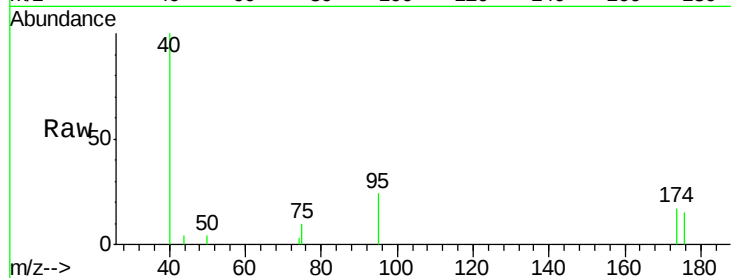




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD061310.D
Acq: 25 Mar 2019 19:02

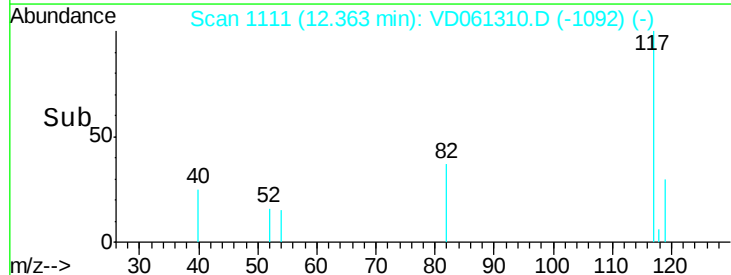
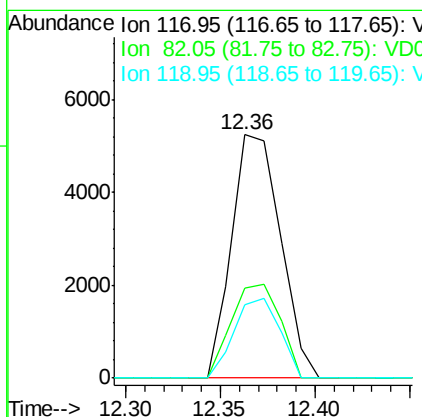
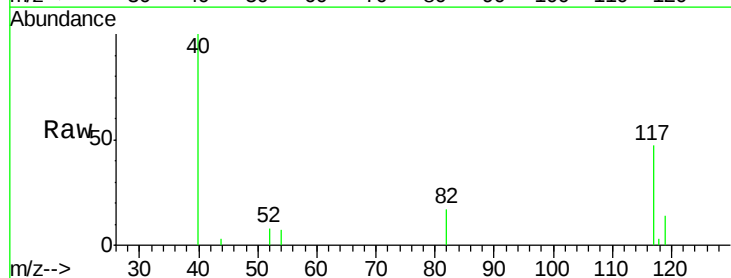
Instrument :
MSVOA_D
ClientSampleId :
WP022SB431-190320-(23-25)

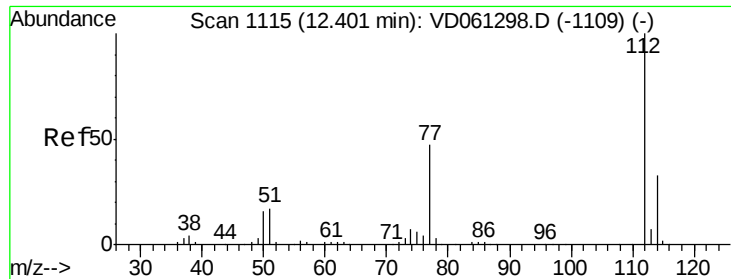
Tot Ion: 95 Resp: 2580
Ion Ratio Lower Upper
95 100
174 71.2 0.0 151.8
176 64.4 0.0 148.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061310.D
Acq: 25 Mar 2019 19:02

Tgt Ion: 117 Resp: 9379
Ion Ratio Lower Upper
117 100
82 37.1 35.7 53.5
119 30.1 25.9 38.9





#65

Chlorobenzene

Concen: 1.656 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VD061310.D

Acq: 25 Mar 2019 19:02

Instrument :

MSVOA_D

ClientSampleId :

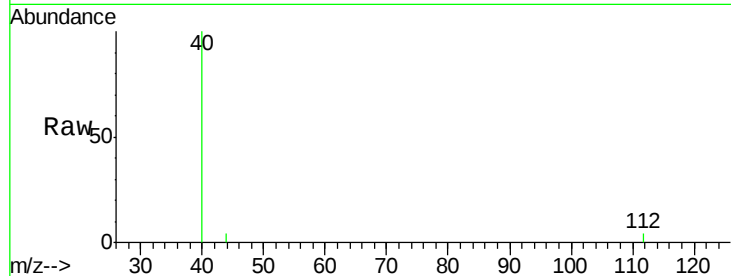
WP022SB431-190320-(23-25)

Tot Ion:112 Resp: 286

Ion Ratio Lower Upper

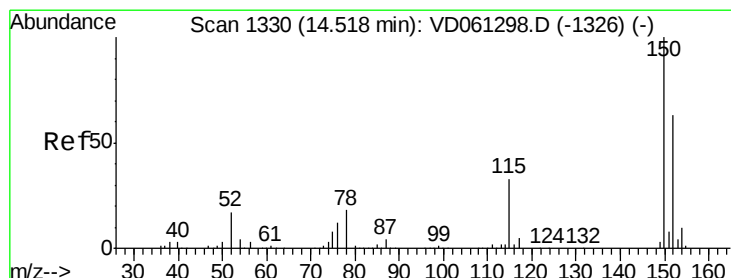
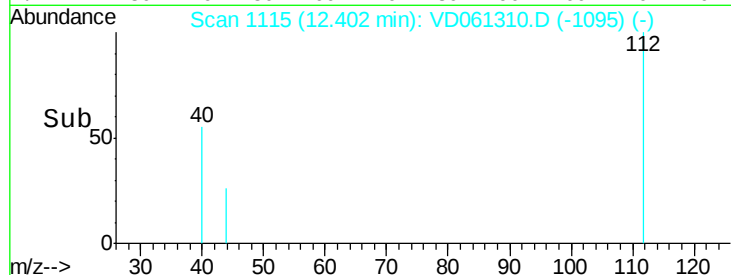
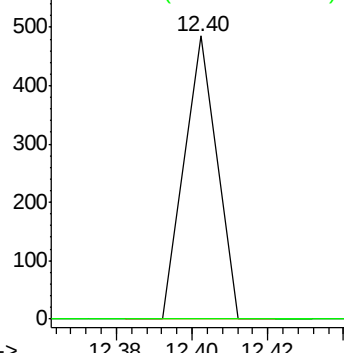
112 100

114 0.0 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# 1330

Delta R.T. 0.00 min

Lab File: VD061310.D

Acq: 25 Mar 2019 19:02

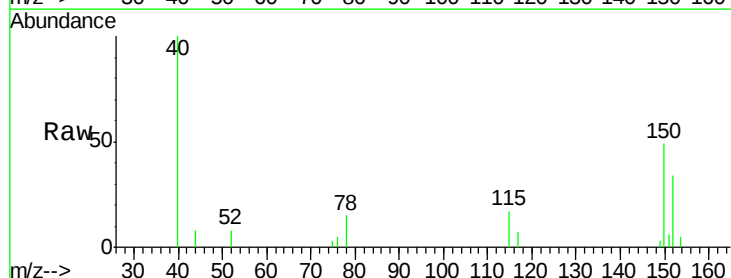
Tgt Ion:152 Resp: 4348

Ion Ratio Lower Upper

152 100

115 50.0 29.2 87.6

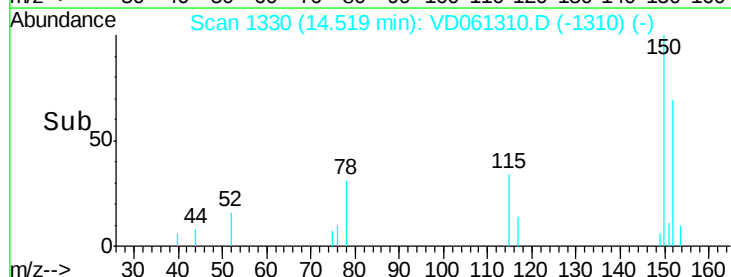
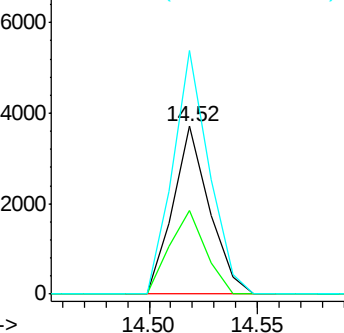
150 145.4 0.0 319.6

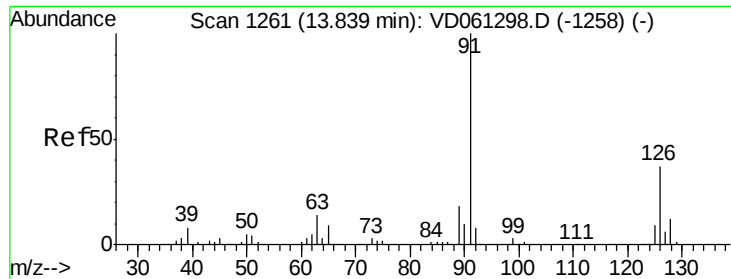


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#79

2-Chlorotoluene

Concen: 1.206 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD061310.D

Acq: 25 Mar 2019 19:02

Instrument :

MSVOA_D

ClientSampleId :

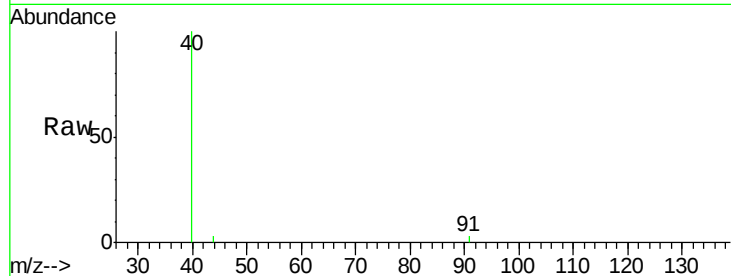
WP022SB431-190320-(23-25)

Tot Ion: 91 Resp: 224

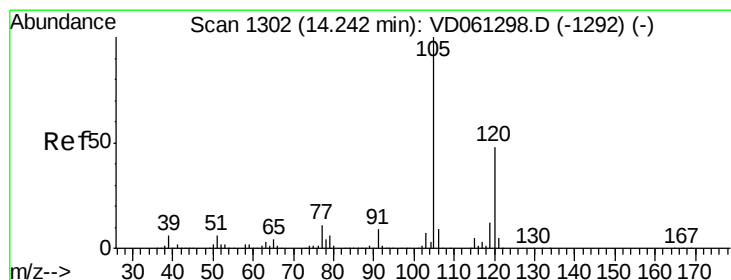
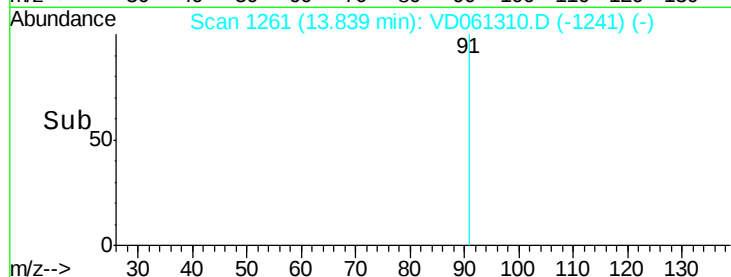
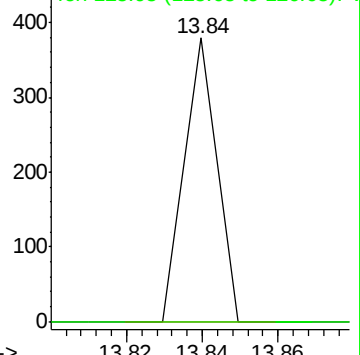
Ion Ratio Lower Upper

91 100

126 0.0 18.4 55.4#



Abundance Ion 91.00 (90.70 to 91.70): VD061298.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.071 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.13 min

Lab File: VD061310.D

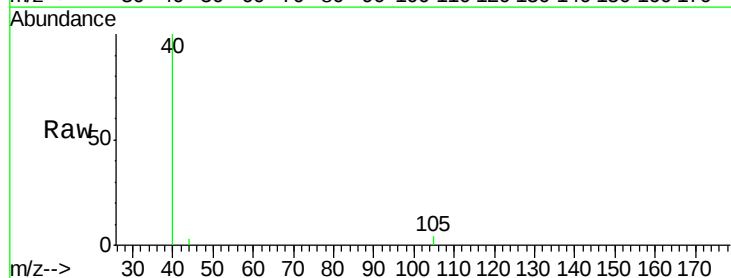
Acq: 25 Mar 2019 19:02

Tgt Ion: 105 Resp: 239

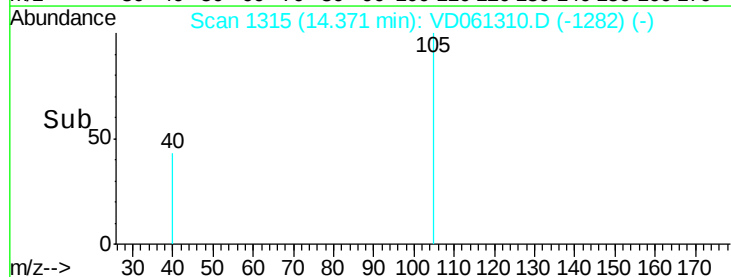
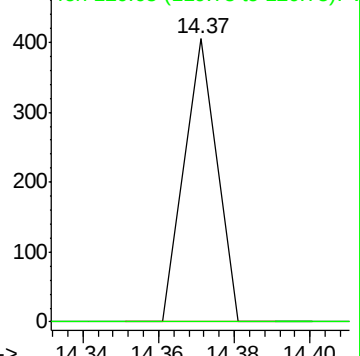
Ion Ratio Lower Upper

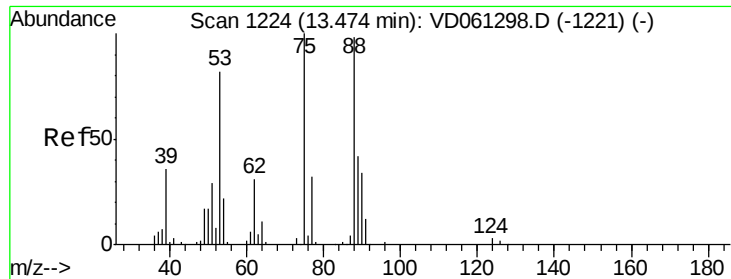
105 100

120 0.0 23.8 71.4#



Abundance Ion 105.05 (104.75 to 105.75): VD061298.D (-1292) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.298 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061310.D

Acq: 25 Mar 2019 19:02

Instrument :

MSVOA_D

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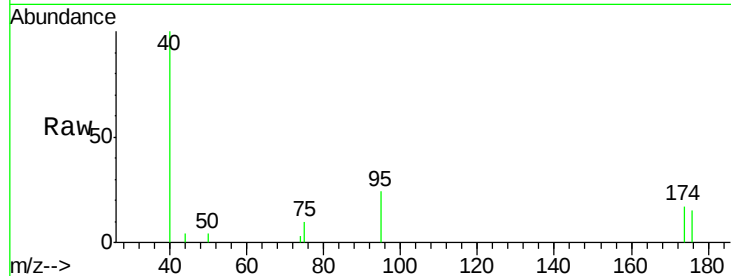
Tot Ion: 75 Resp: 773

Ion Ratio Lower Upper

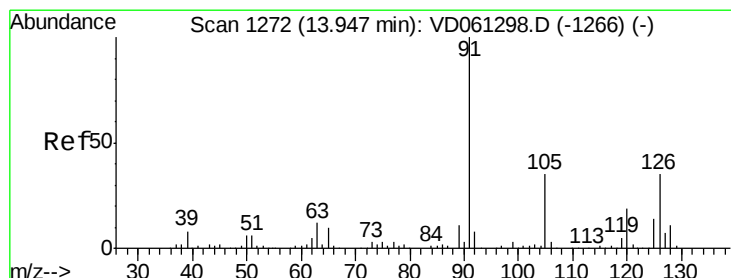
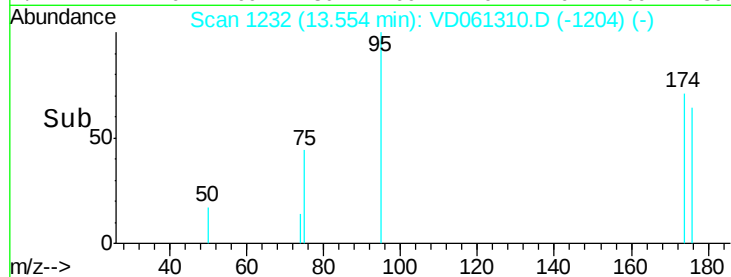
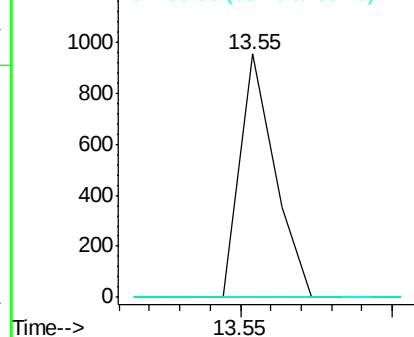
75 100

53 0.0 65.3 97.9#

89 0.0 33.8 50.6#



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



#82

4-Chlorotoluene

Concen: 1.103 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.11 min

Lab File: VD061310.D

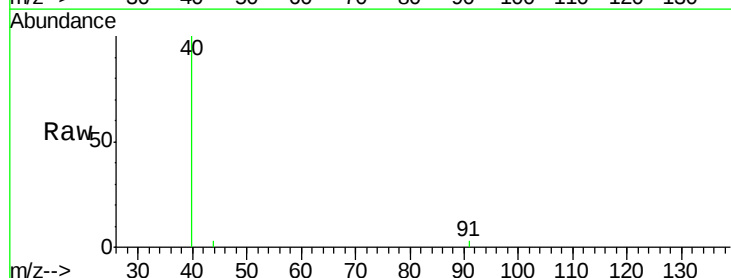
Acq: 25 Mar 2019 19:02

Tgt Ion: 91 Resp: 224

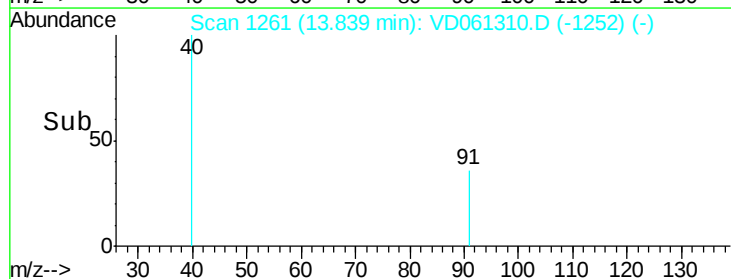
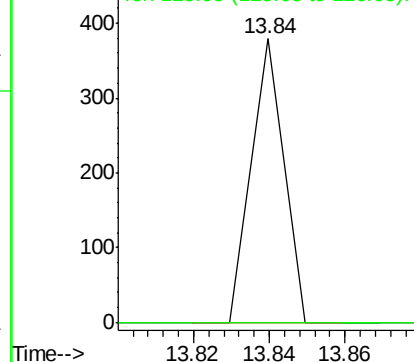
Ion Ratio Lower Upper

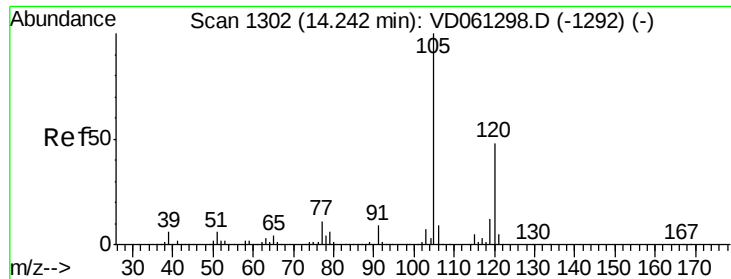
91 100

126 0.0 17.7 53.1#



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





#84

1,2,4-Trimethylbenzene

Concen: 1.071 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.13 min

Lab File: VD061310.D

Acq: 25 Mar 2019 19:02

Instrument :

MSVOA_D

ClientSampleId :

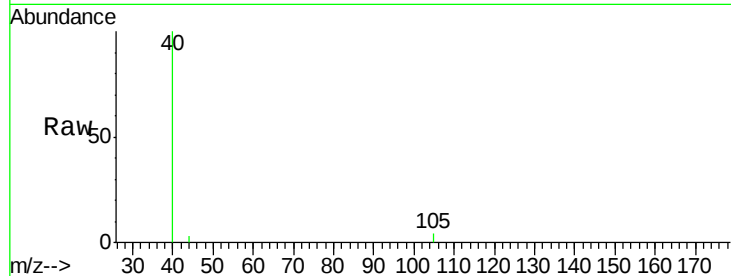
WP022SB431-190320-(23-25)

Tot Ion:105 Resp: 239

Ion Ratio Lower Upper

105 100

120 0.0 23.8 71.4#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

14.37

400

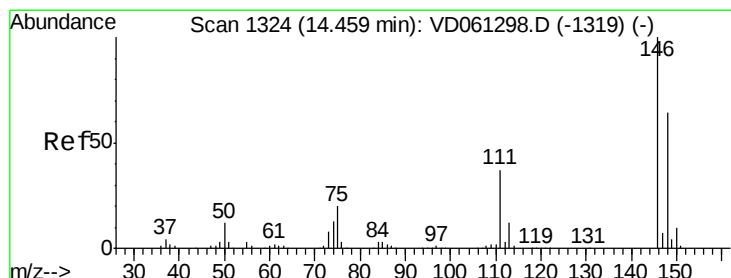
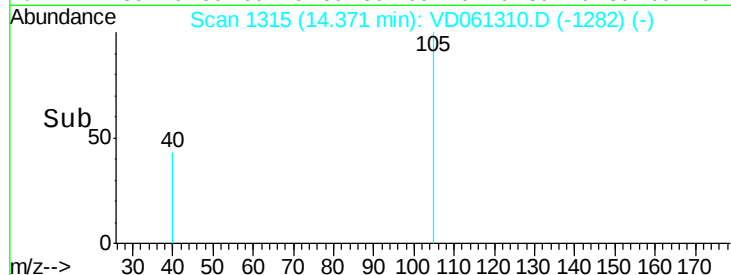
300

200

100

0

Time-->



#87

1,3-Dichlorobenzene

Concen: 1.343 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.07 min

Lab File: VD061310.D

Acq: 25 Mar 2019 19:02

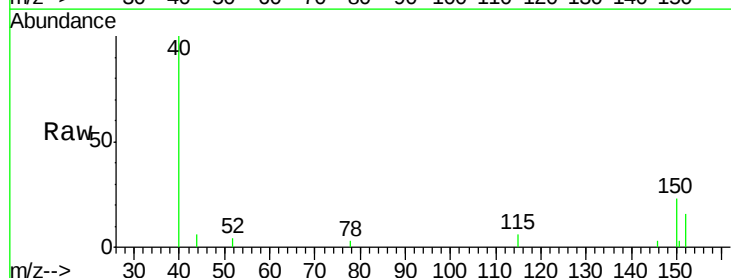
Tgt Ion:146 Resp: 188

Ion Ratio Lower Upper

146 100

111 0.0 18.4 55.0#

148 0.0 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

14.53

400

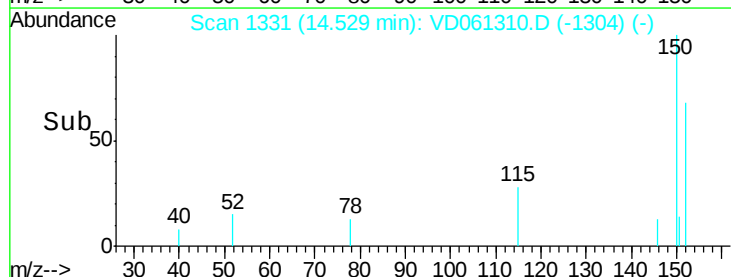
300

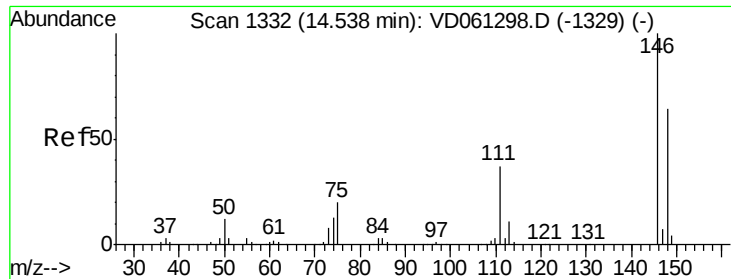
200

100

0

Time-->





#88

1,4-Dichlorobenzene

Concen: 1.386 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. -0.01 min

Lab File: VD061310.D

Acq: 25 Mar 2019 19:02

Instrument :

MSVOA_D

ClientSampleId :

WP022SB431-190320-(23-25)

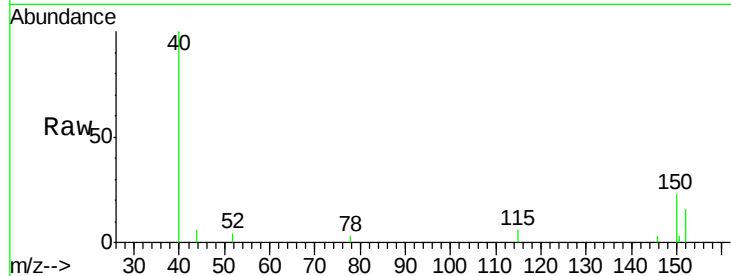
Tot Ion:146 Resp: 188

Ion Ratio Lower Upper

146 100

111 0.0 18.6 55.6#

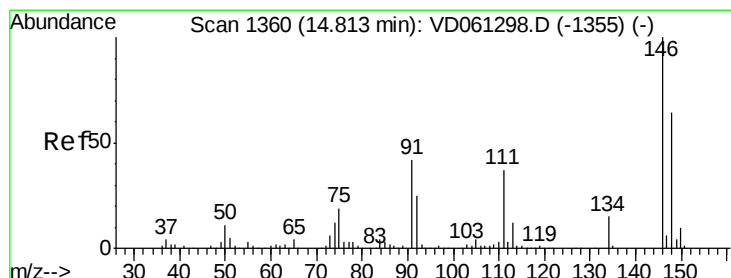
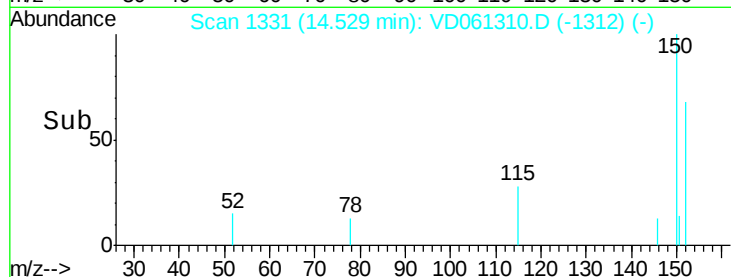
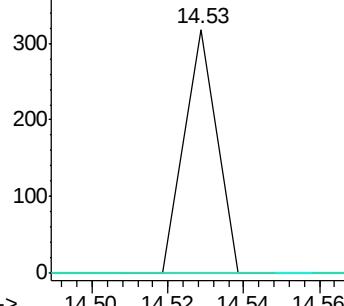
148 0.0 31.9 95.5#



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: 1.781 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VD061310.D

Acq: 25 Mar 2019 19:02

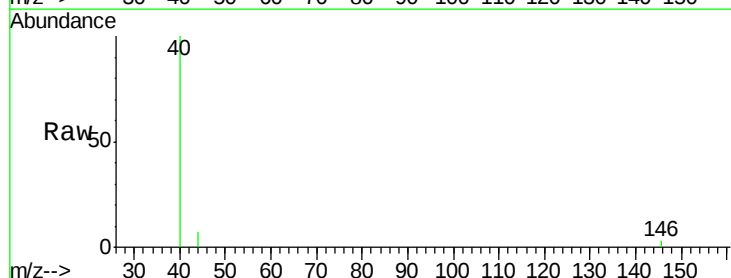
Tgt Ion:146 Resp: 199

Ion Ratio Lower Upper

146 100

111 0.0 18.3 54.8#

148 0.0 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

