

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061324.D
 Acq On : 26 Mar 2019 3:50
 Operator : VA/AP
 Sample : K2047-13
 Misc : 5.97g/5ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB435-190318-(26-28)

Quant Time: Mar 26 07:15:10 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	7.04	168	529122	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	956596	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	622052	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	198339	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	192058	42.07	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	84.14%	
35) Dibromofluoromethane	6.93	113	298944	40.84	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	81.68%	
50) Toluene-d8	10.41	98	646461	36.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.84%	
62) 4-Bromofluorobenzene	13.55	95	202564	29.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	58.52%	

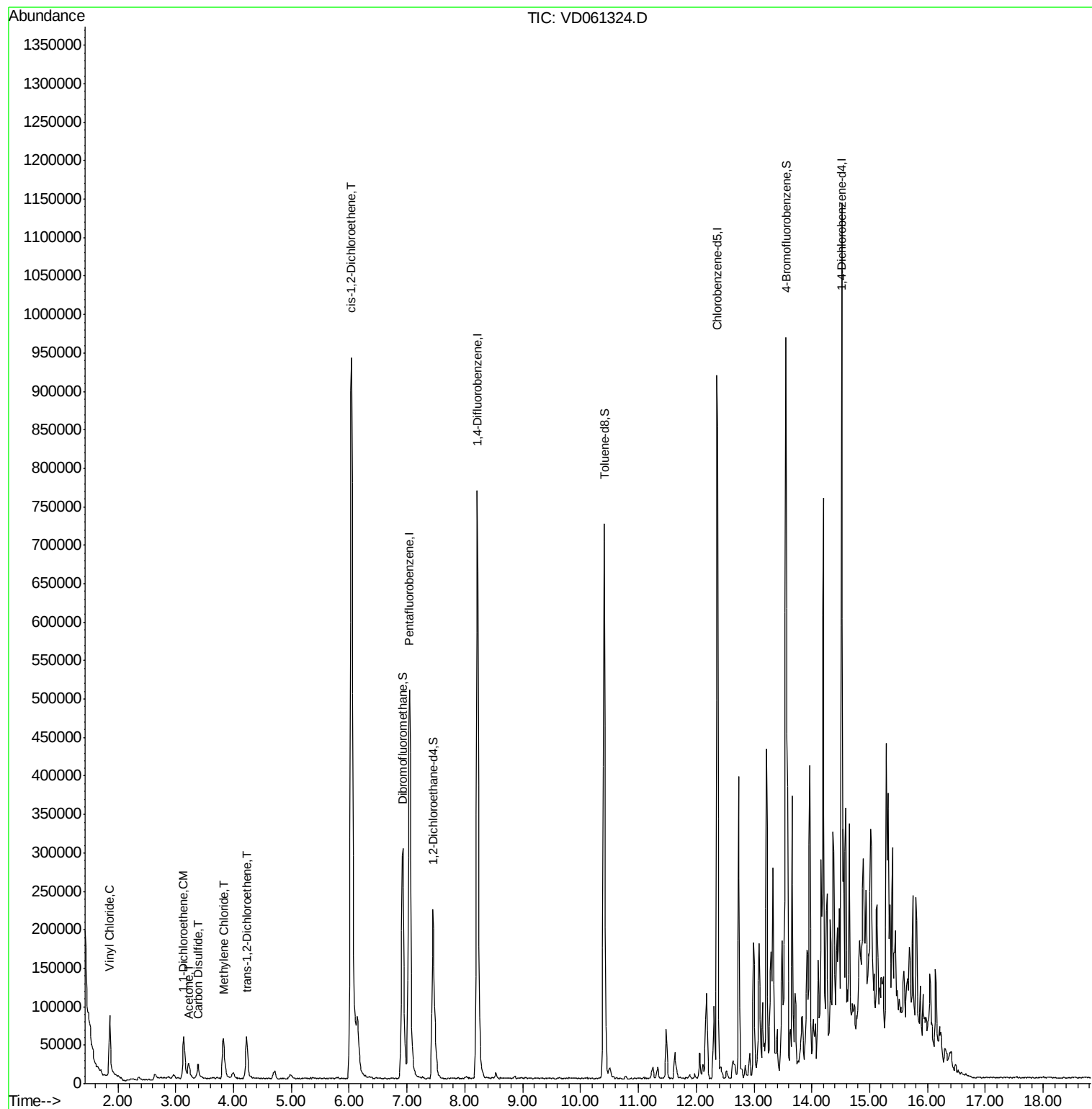
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.86	62	95419	24.182	ug/l	97
12) 1,1-Dichloroethene	3.15	96	32314	6.326	ug/l	97
16) Acetone	3.22	43	37955	34.759	ug/l	92
17) Carbon Disulfide	3.39	76	39449	2.325	ug/l	95
20) Methylene Chloride	3.82	84	39367	6.352	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	37690	6.595	ug/l	87
27) cis-1,2-Dichloroethene	6.04	96	732240	119.067	ug/l	92

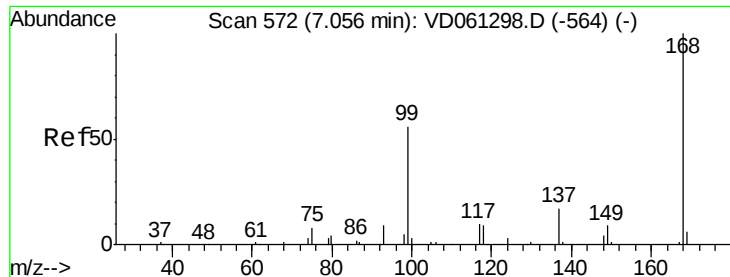
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD032519\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD061324.D

Acq: 26 Mar 2019 3:50

Instrument :

MSVOA_D

ClientSampleId :

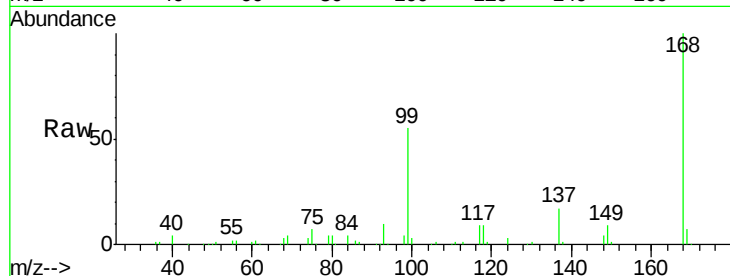
WP022SB435-190318-(26-28)

Tot Ion:168 Resp: 529122

Ion Ratio Lower Upper

168 100

99 55.1 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

200000

150000

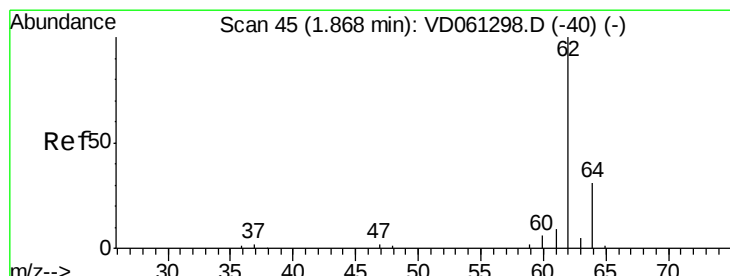
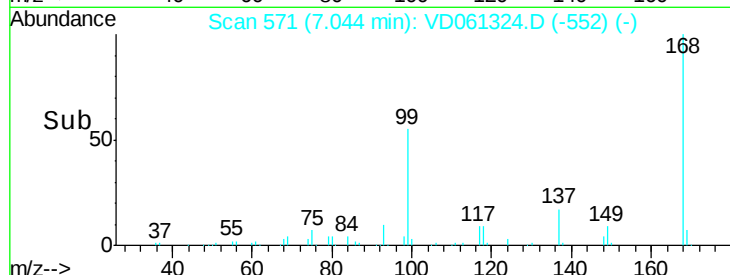
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#4

Vinyl Chloride

Concen: 24.182 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061324.D

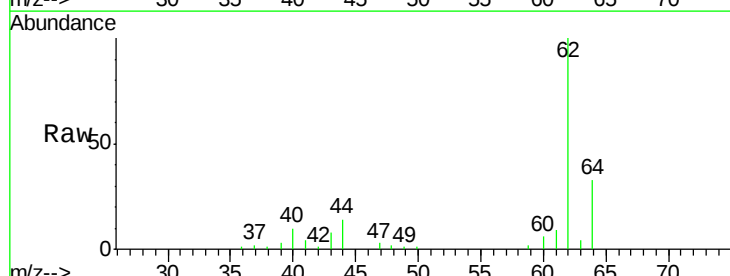
Acq: 26 Mar 2019 3:50

Tgt Ion: 62 Resp: 95419

Ion Ratio Lower Upper

62 100

64 33.0 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

50000

40000

30000

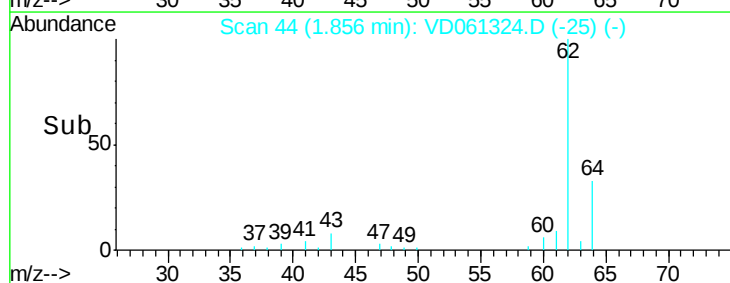
20000

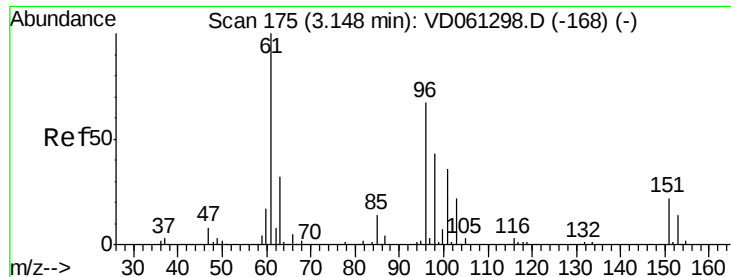
10000

0

1.80 1.90 2.00

Time-->





#12

1,1-Dichloroethene

Concen: 6.326 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD061324.D

Acq: 26 Mar 2019 3:50

Instrument :

MSVOA_D

ClientSampleId :

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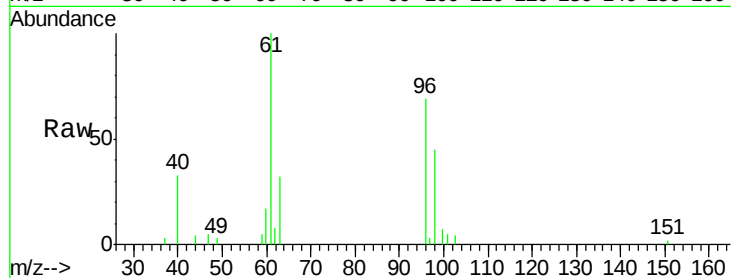
Tot Ion: 96 Resp: 32314

Ion Ratio Lower Upper

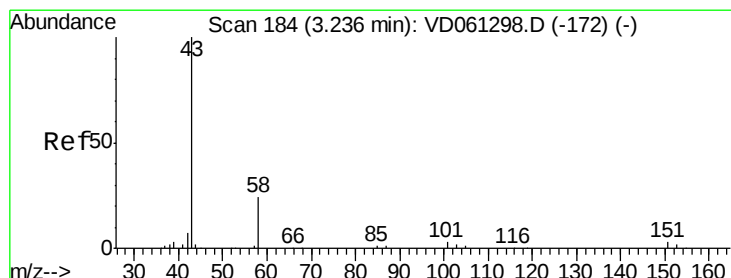
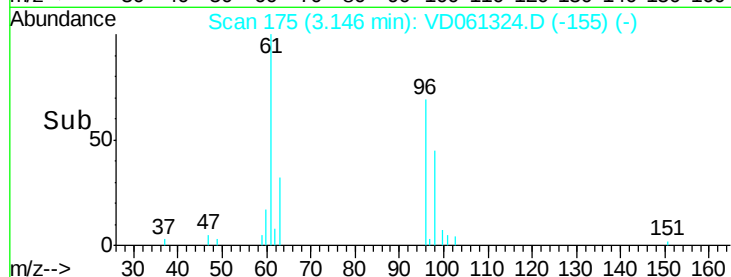
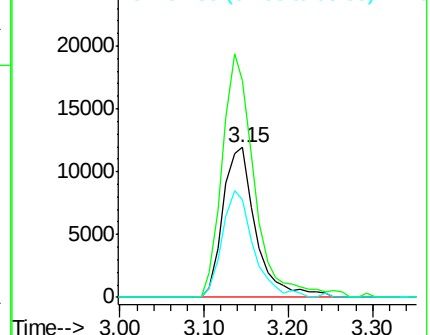
96 100

61 144.8 120.2 180.2

98 65.1 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: 34.759 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD061324.D

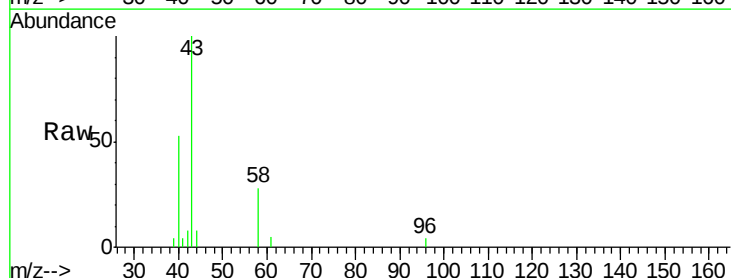
Acq: 26 Mar 2019 3:50

Tgt Ion: 43 Resp: 37955

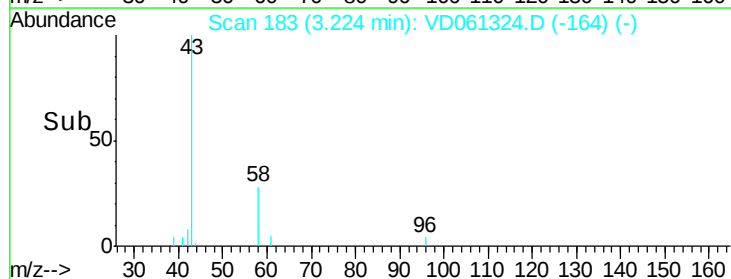
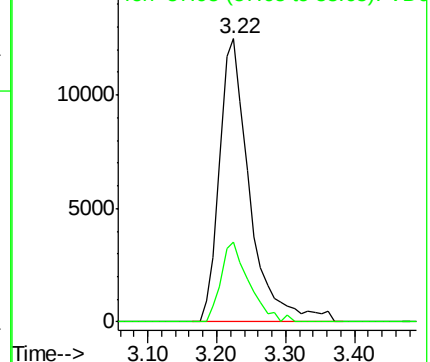
Ion Ratio Lower Upper

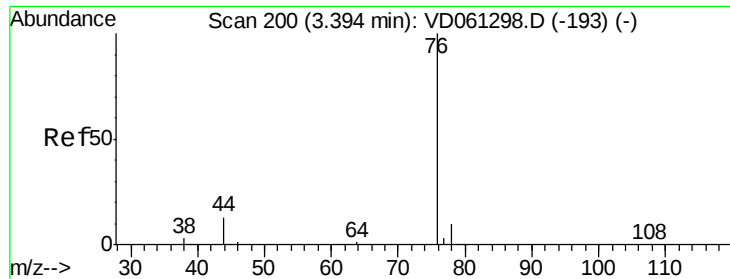
43 100

58 28.4 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: 2.325 ug/l

RT: 3.39 min Scan# 200

Delta R.T. -0.00 min

Lab File: VD061324.D

Acq: 26 Mar 2019 3:50

Instrument :

MSVOA_D

ClientSampleId :

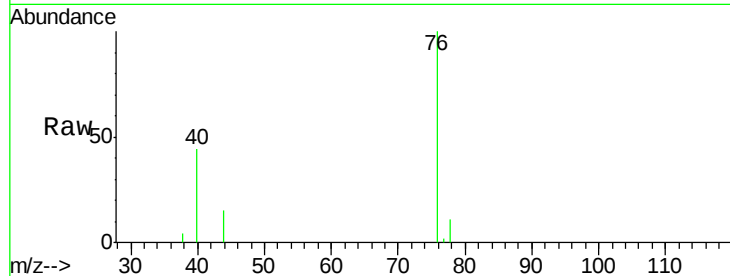
WP022SB435-190318-(26-28)

Tot Ion: 76 Resp: 39449

Ion Ratio Lower Upper

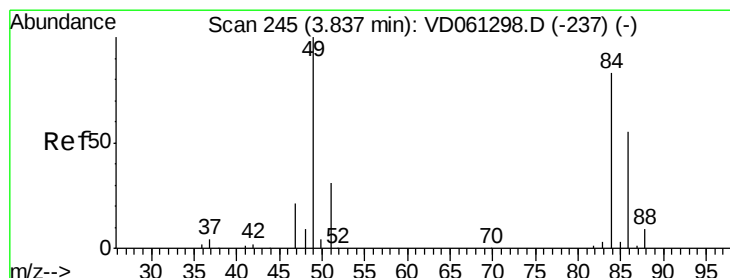
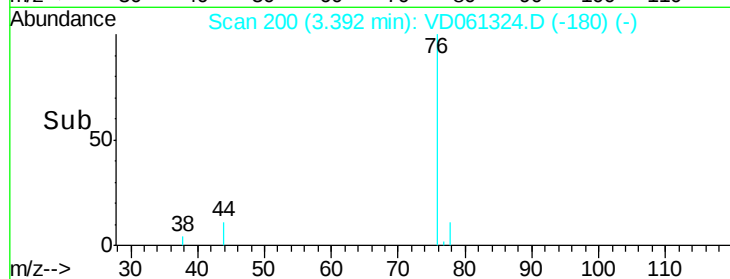
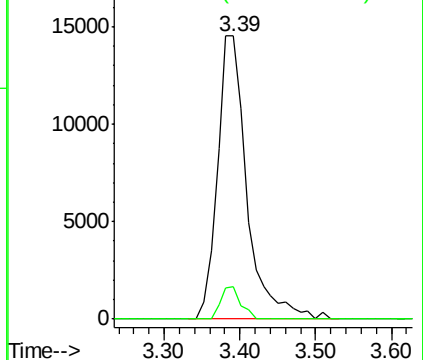
76 100

78 11.4 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: 6.352 ug/l

RT: 3.82 min Scan# 244

Delta R.T. -0.01 min

Lab File: VD061324.D

Acq: 26 Mar 2019 3:50

Tgt Ion: 84 Resp: 39367

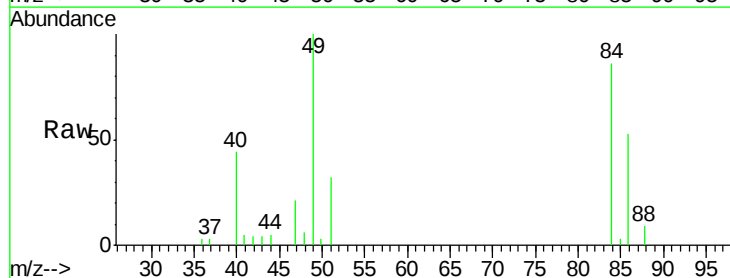
Ion Ratio Lower Upper

84 100

49 116.0 96.8 145.2

51 37.3 29.9 44.9

86 61.8 53.1 79.7

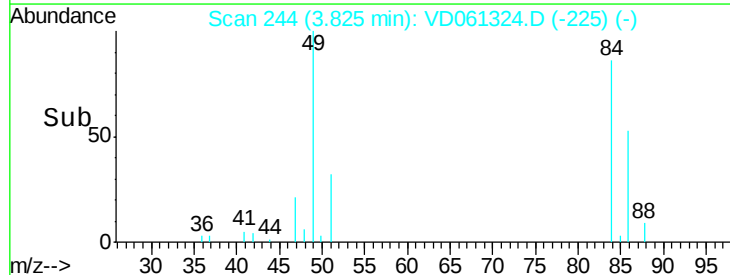
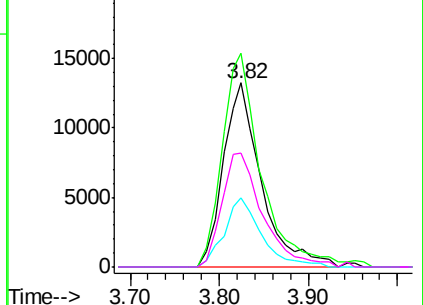


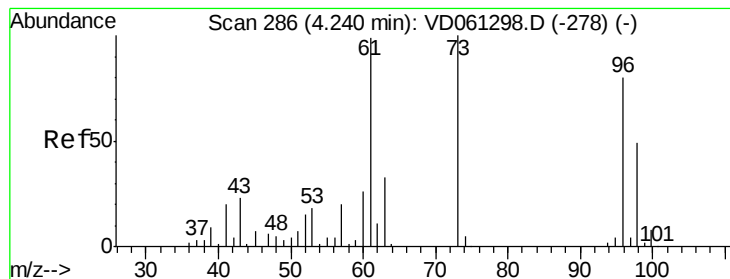
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 6.595 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.01 min

Lab File: VD061324.D

Acq: 26 Mar 2019 3:50

Instrument :

MSVOA_D

ClientSampleId :

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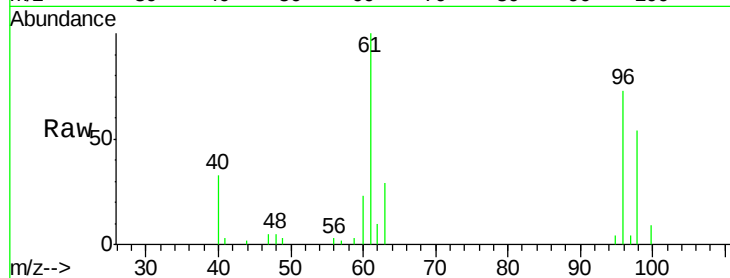
Tot Ion: 96 Resp: 37690

Ion Ratio Lower Upper

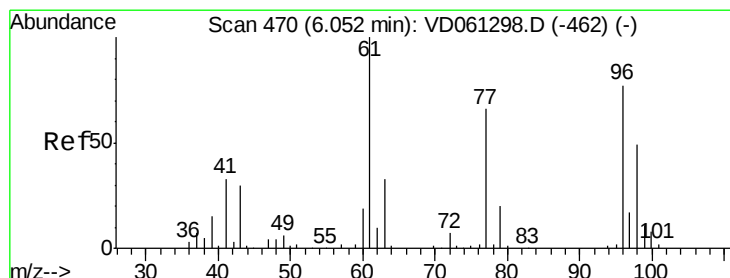
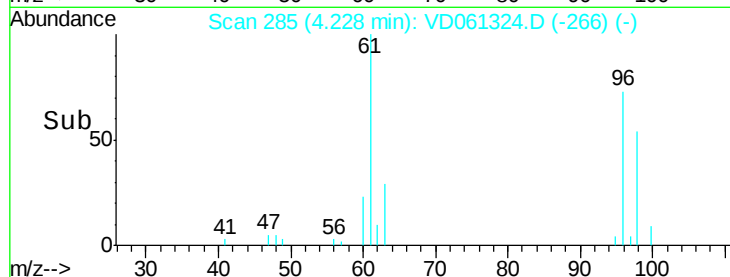
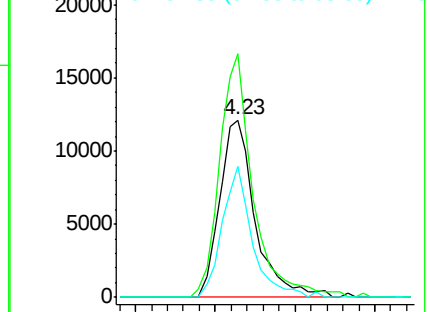
96 100

61 137.1 99.2 148.8

98 73.5 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: 119.067 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.01 min

Lab File: VD061324.D

Acq: 26 Mar 2019 3:50

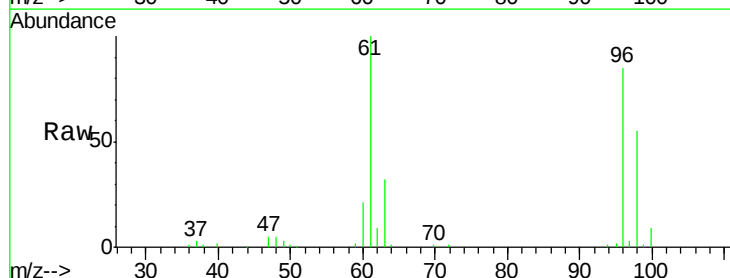
Tgt Ion: 96 Resp: 732240

Ion Ratio Lower Upper

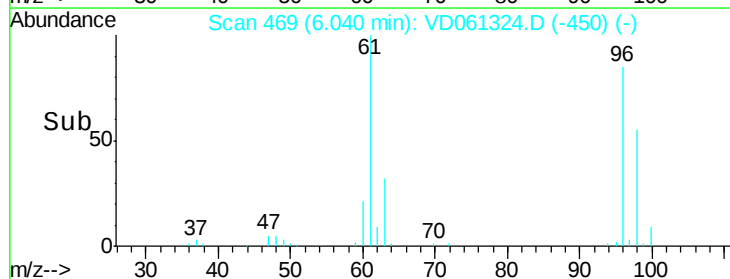
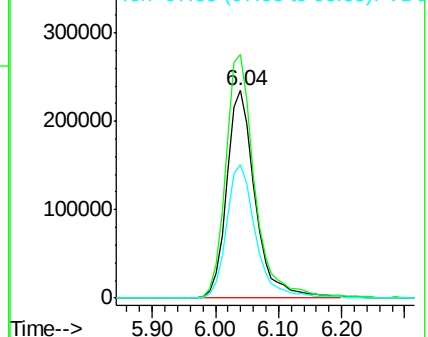
96 100

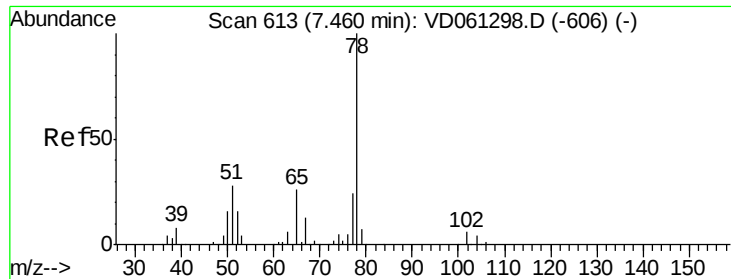
61 117.3 0.0 261.0

98 64.4 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# 612

Delta R.T. -0.01 min

Lab File: VD061324.D

Acq: 26 Mar 2019 3:50

Instrument :

MSVOA_D

ClientSampleId :

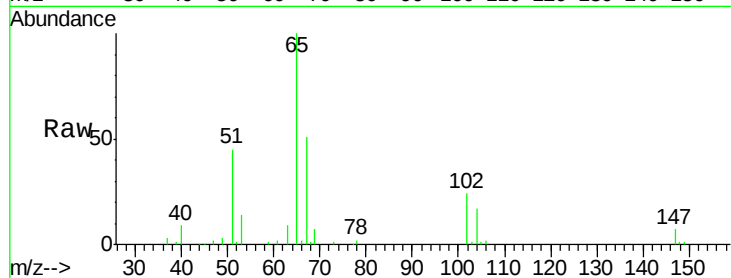
WP022SB435-190318-(26-28)

Tot Ion: 65 Resp: 192058

Ion Ratio Lower Upper

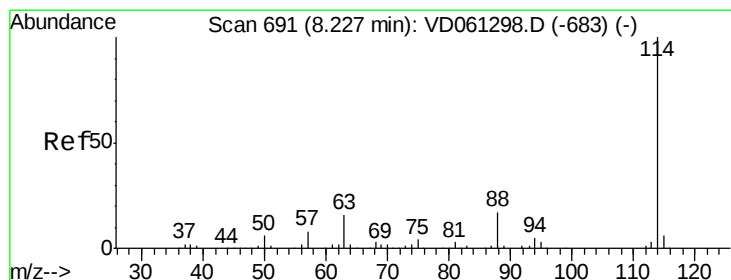
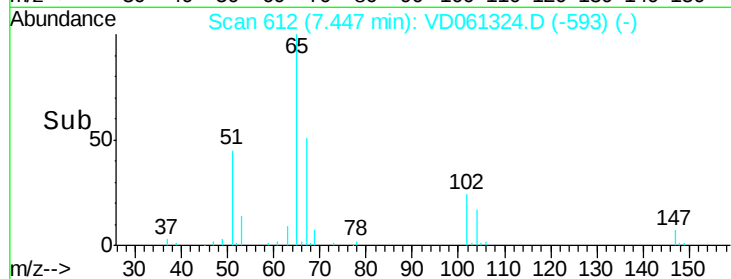
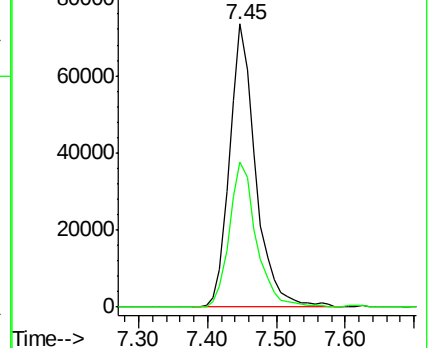
65 100

67 51.1 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: VD061324.D

Acq: 26 Mar 2019 3:50

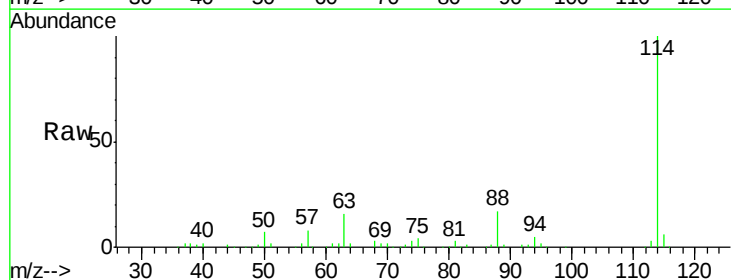
Tgt Ion: 114 Resp: 956596

Ion Ratio Lower Upper

114 100

63 15.6 0.0 31.4

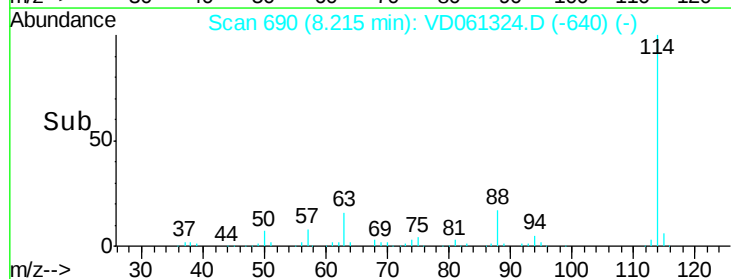
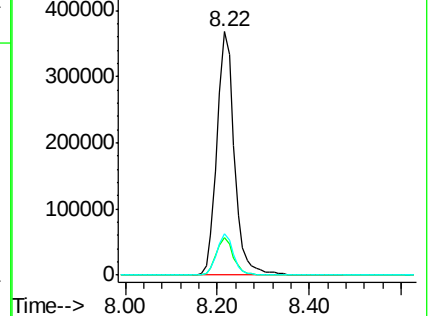
88 16.9 0.0 33.2

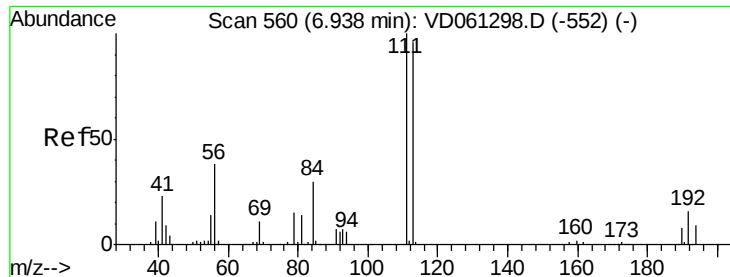


Abundance Ion 114.00 (113.70 to 114.70): V

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: VD061324.D

Acq: 26 Mar 2019 3:50

Instrument :

MSVOA_D

ClientSampleId :

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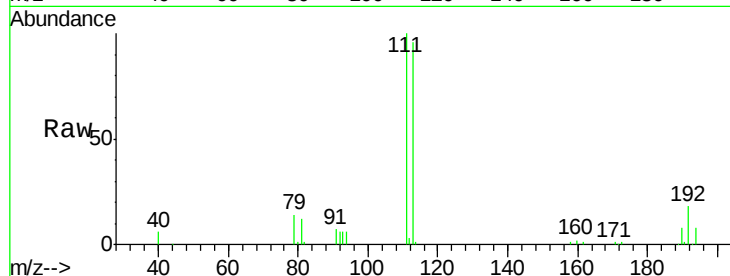
Tot Ion:113 Resp: 298944

Ion Ratio Lower Upper

113 100

111 104.4 83.7 125.5

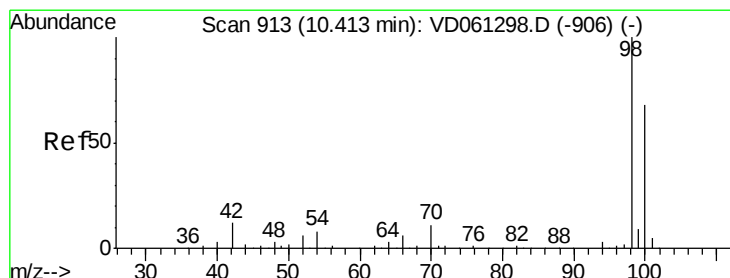
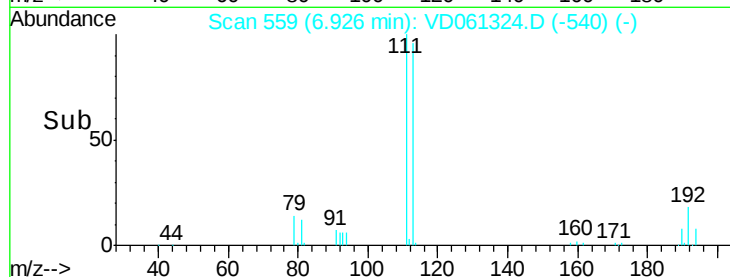
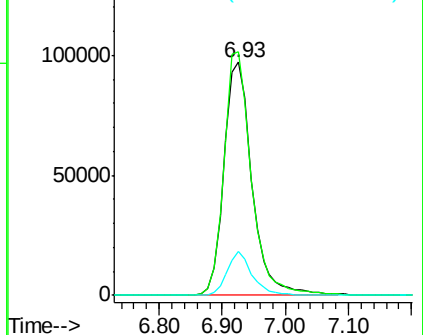
192 19.0 13.4 20.0



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: VD061324.D

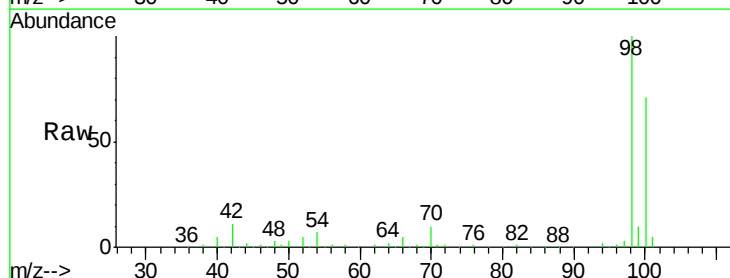
Acq: 26 Mar 2019 3:50

Tgt Ion: 98 Resp: 646461

Ion Ratio Lower Upper

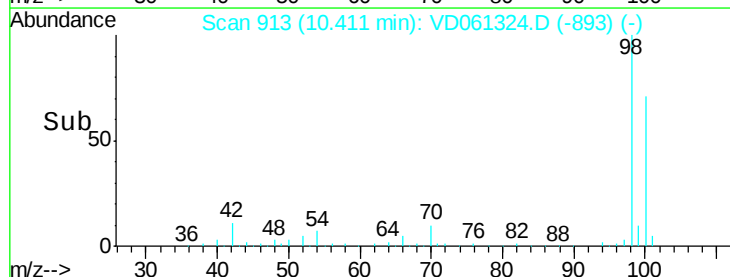
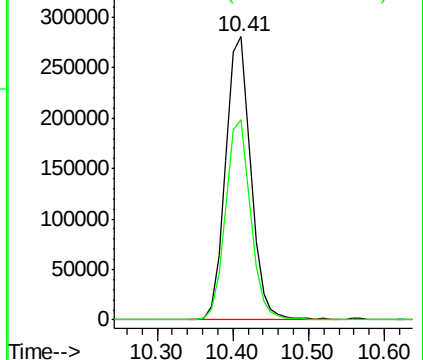
98 100

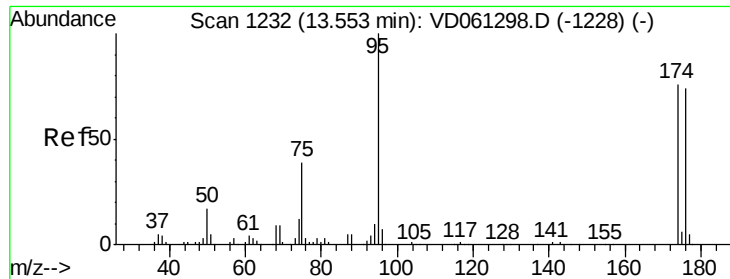
100 70.6 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

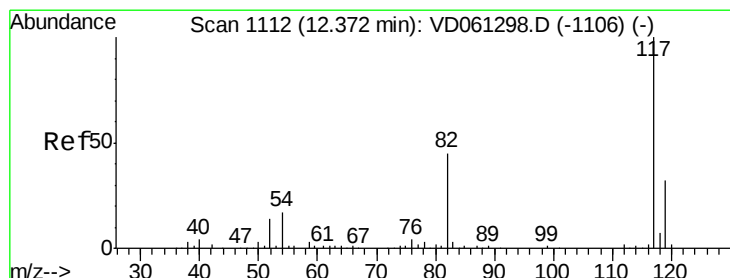
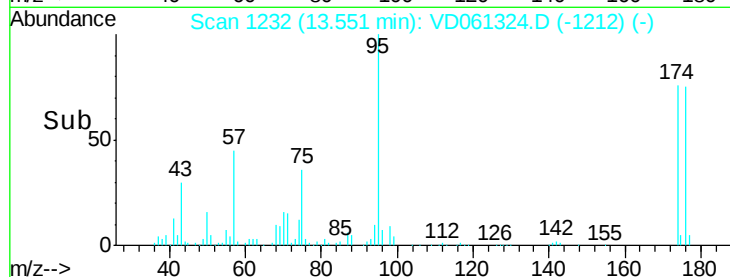
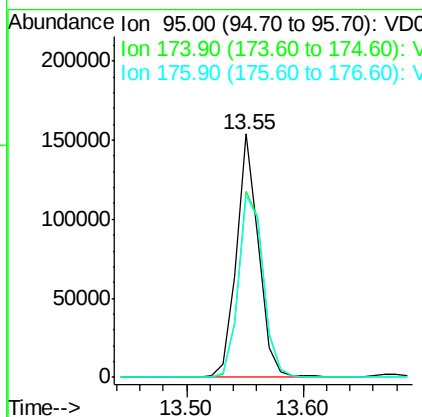
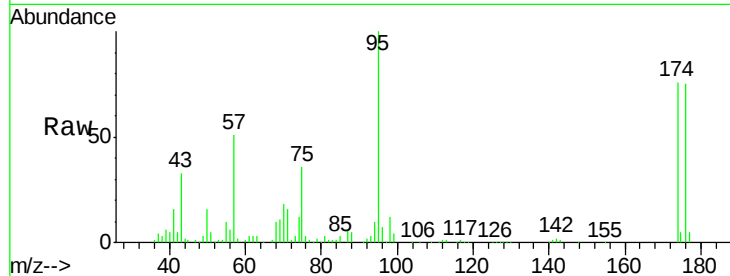




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD061324.D
Acq: 26 Mar 2019 3:50

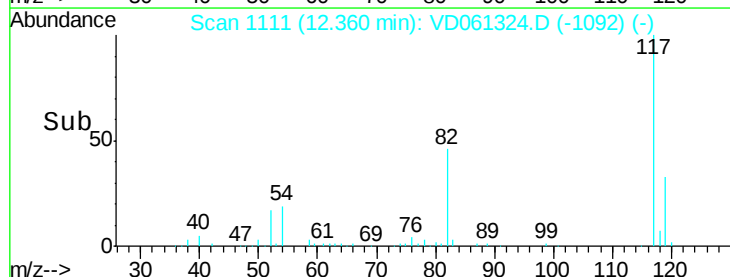
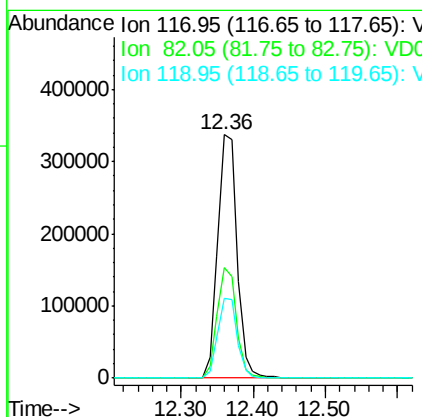
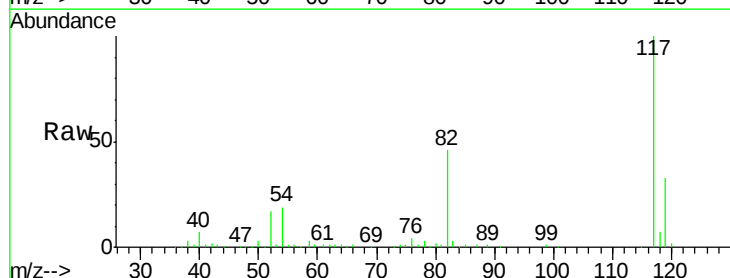
Instrument :
MSVOA_D
ClientSampleId :
WP022SB435-190318-(26-28)

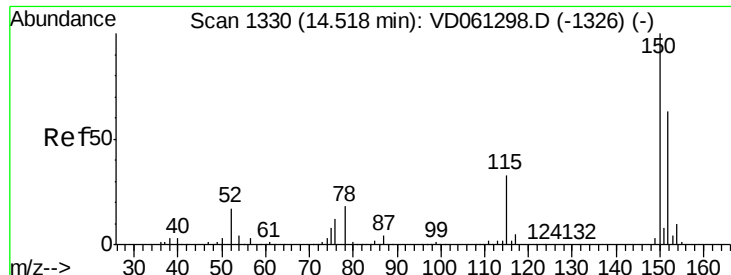
Tot Ion: 95 Resp: 202564
Ion Ratio Lower Upper
95 100
174 76.4 0.0 151.8
176 74.9 0.0 148.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061324.D
Acq: 26 Mar 2019 3:50

Tgt Ion: 117 Resp: 622052
Ion Ratio Lower Upper
117 100
82 45.6 35.7 53.5
119 32.7 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061324.D

Acq: 26 Mar 2019 3:50

Instrument :

MSVOA_D

ClientSampleId :

WP022SB435-190318-(26-28)

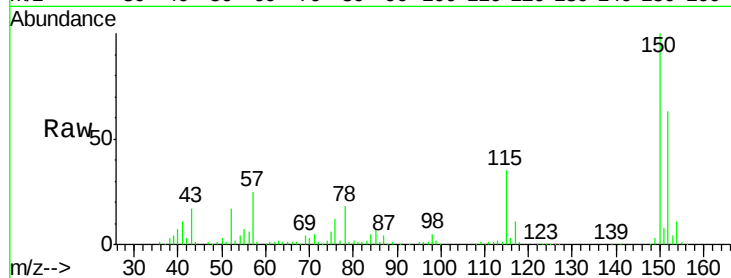
Tot Ion:152 Resp: 198339

Ion Ratio Lower Upper

152 100

115 55.3 29.2 87.6

150 159.0 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

