

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111218\
 Data File : VD060342.D
 Acq On : 12 Nov 2018 17:26
 Operator : JC/SY
 Sample : J5907-03
 Misc : 6.43g/5ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2-S

Quant Time: Nov 13 00:41:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1604441	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	2231980	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1716862	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	807866	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	556190	48.41	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	96.82%	
35) Dibromofluoromethane	6.30	113	736839	44.27	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	88.54%	
50) Toluene-d8	9.43	98	2081636	42.73	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	85.46%	
62) 4-Bromofluorobenzene	12.42	95	733389	41.55	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	83.10%	

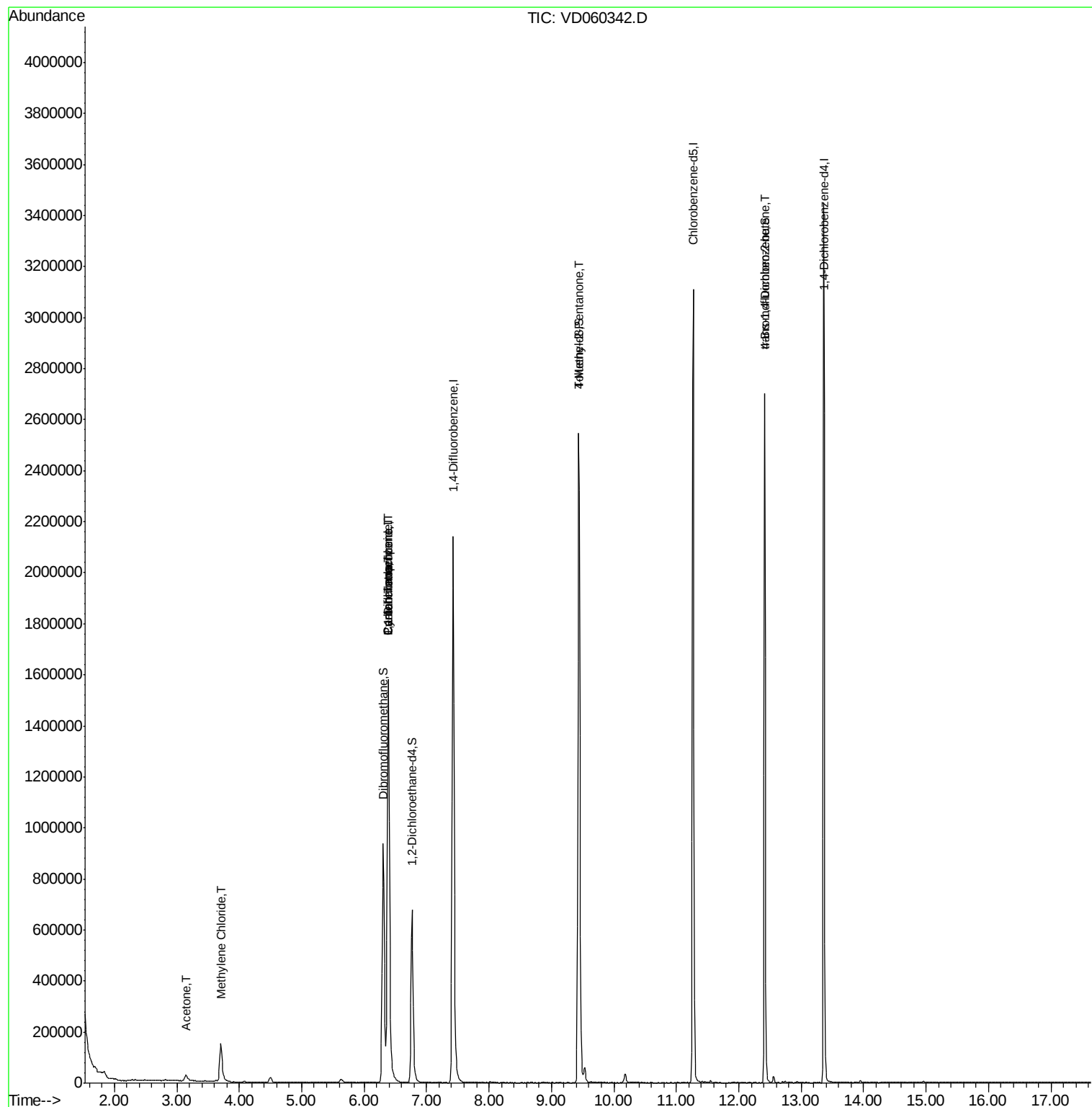
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	426	Below Cal	#	41
16) Acetone	3.14	43	52596	26.394	ug/l	92
20) Methylene Chloride	3.71	84	102913	5.822	ug/l	99
31) Cyclohexane	6.38	56	28666	1.045	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	115777	5.250	ug/l #	46
38) Carbon Tetrachloride	6.38	117	121654	5.947	ug/l #	16
51) 4-Methyl-2-Pentanone	9.43	43	11943	1.440	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.42	75	306588	111.433	ug/l #	15
89) n-Butylbenzene	13.64	91	639	Below Cal	#	29

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

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Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.03 min

Lab File: VD060342.D

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Instrument :

MSVOA_D

ClientSampleId :

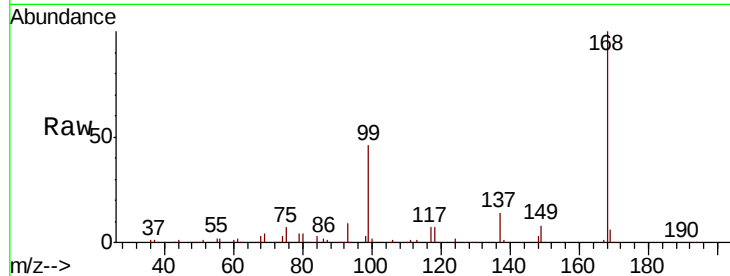
TP-2-S

Tgt Ion:168 Resp: 1604441

Ion Ratio Lower Upper

168 100

99 45.8 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

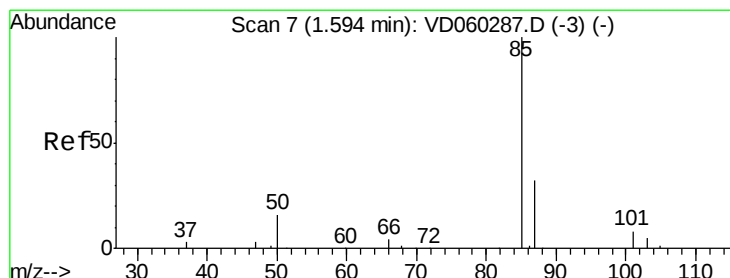
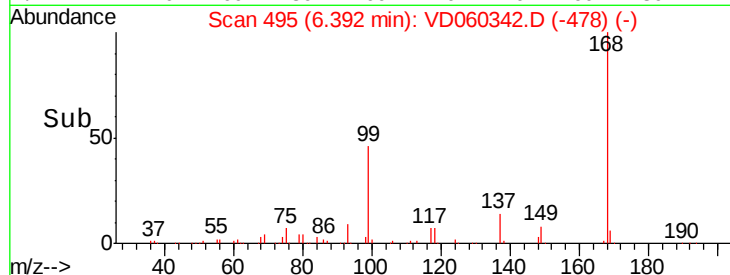
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.59 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060342.D

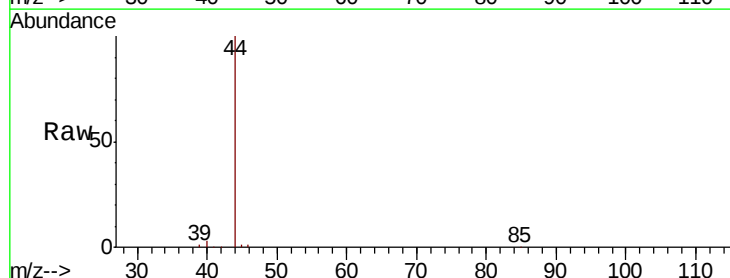
Acq: 12 Nov 2018 17:26

Tgt Ion: 85 Resp: 426

Ion Ratio Lower Upper

85 100

87 0.0 16.8 50.4#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

400

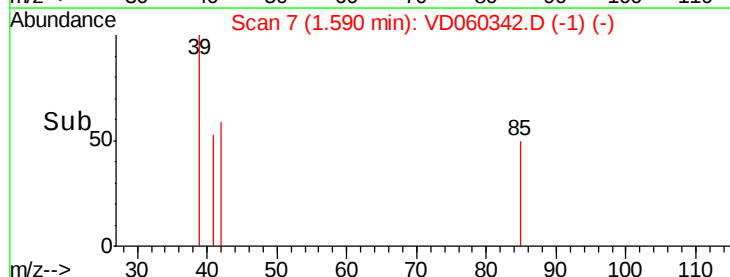
300

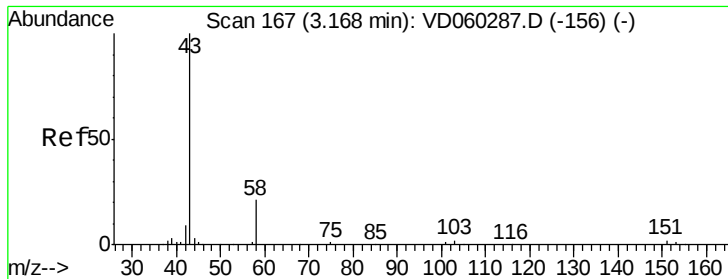
200

100

0

Time-->





#16

Acetone

Concen: 26.394 ug/l

RT: 3.14 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD060342.D

Acq: 12 Nov 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

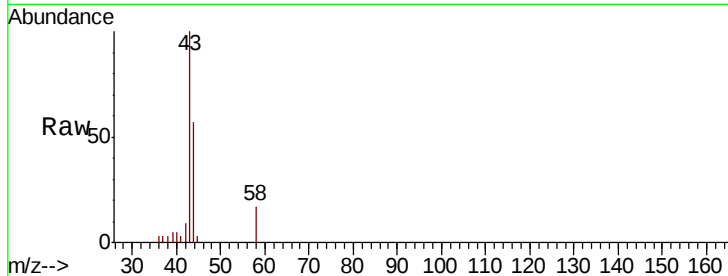
TP-2-S

Tgt Ion: 43 Resp: 52596

Ion Ratio Lower Upper

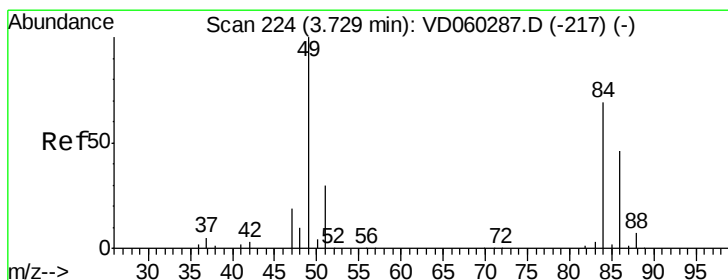
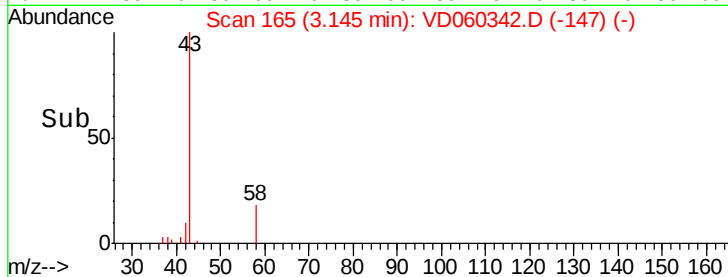
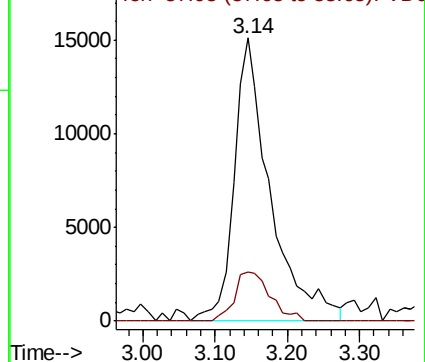
43 100

58 17.2 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 5.822 ug/l

RT: 3.71 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD060342.D

Acq: 12 Nov 2018 17:26

Tgt Ion: 84 Resp: 102913

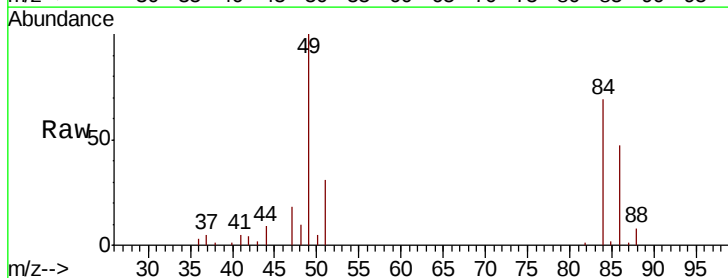
Ion Ratio Lower Upper

84 100

49 144.8 115.6 173.4

51 45.1 35.6 53.4

86 68.4 52.3 78.5

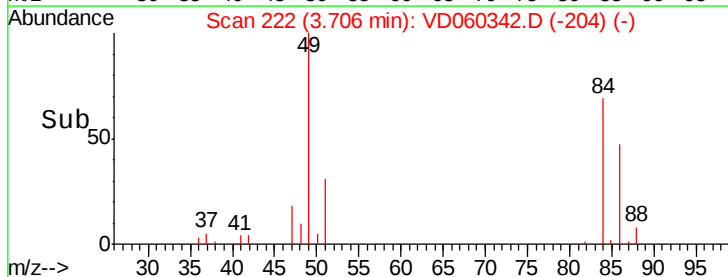
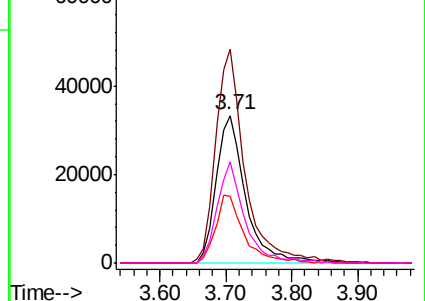


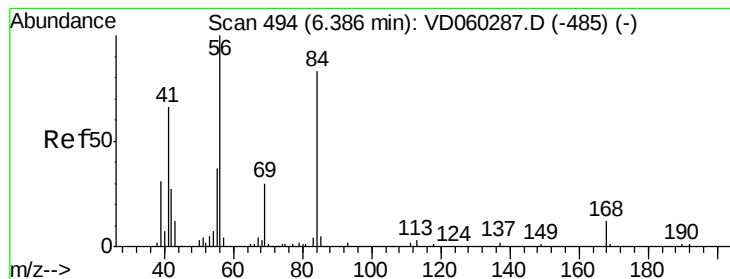
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#31

Cyclohexane

Concen: 1.045 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.00 min

Lab File: VD060342.D

Acq: 12 Nov 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

TP-2-S

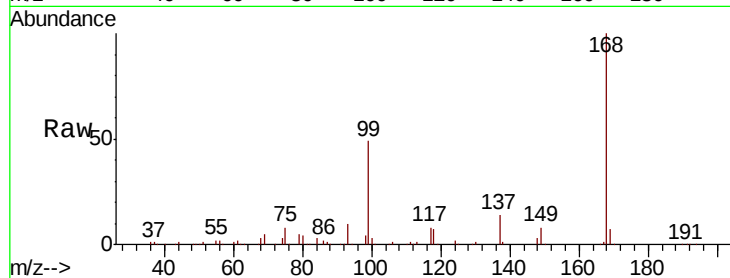
Tgt Ion: 56 Resp: 28666

Ion Ratio Lower Upper

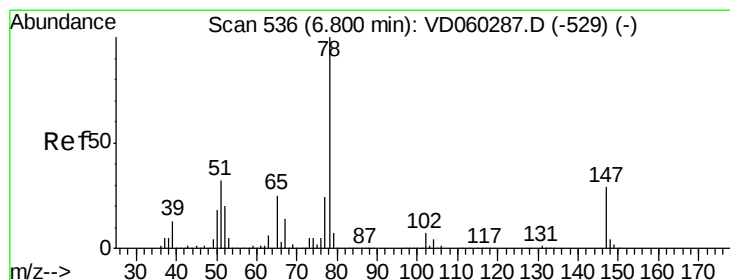
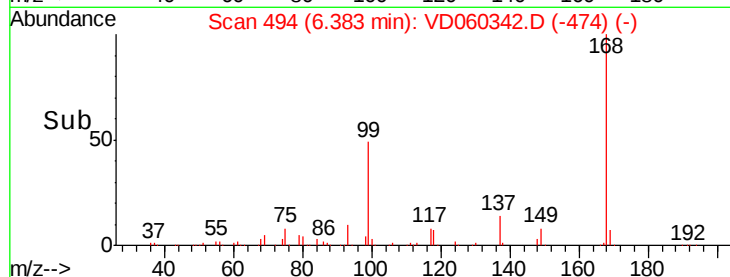
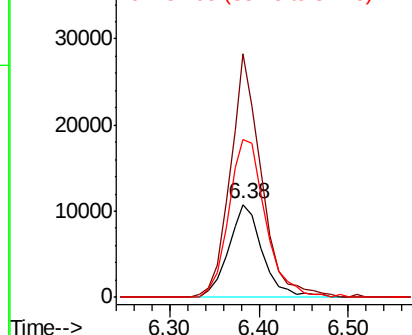
56 100

69 262.8 22.2 33.2#

84 170.4 63.0 94.4#



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: 6.77 min Scan# 533

Delta R.T. -0.03 min

Lab File: VD060342.D

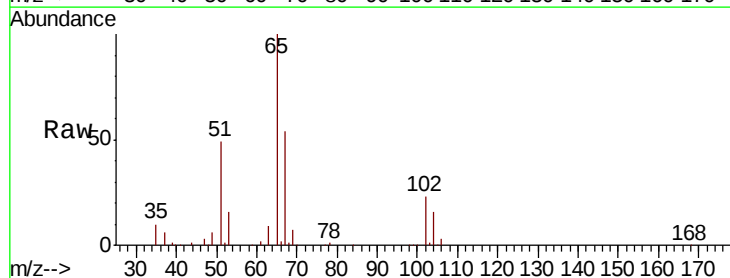
Acq: 12 Nov 2018 17:26

Tgt Ion: 65 Resp: 556190

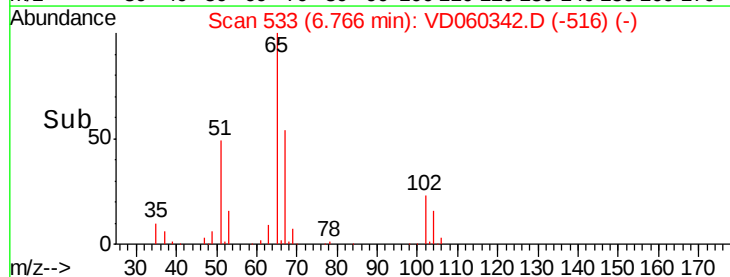
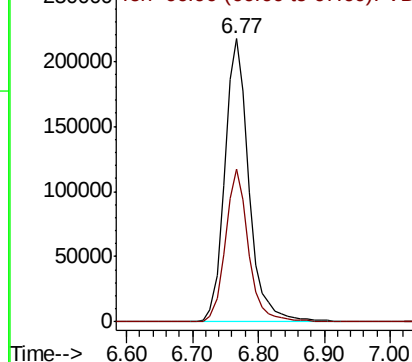
Ion Ratio Lower Upper

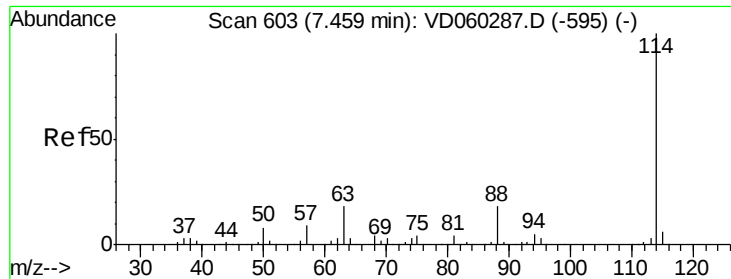
65 100

67 53.8 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

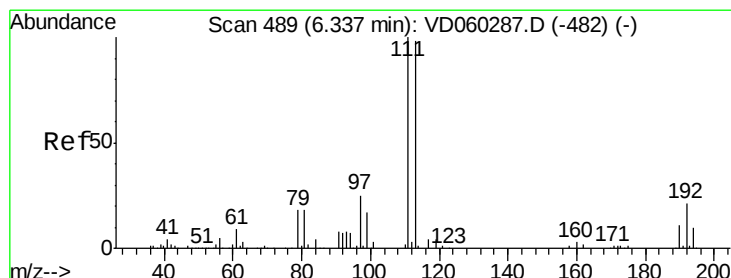
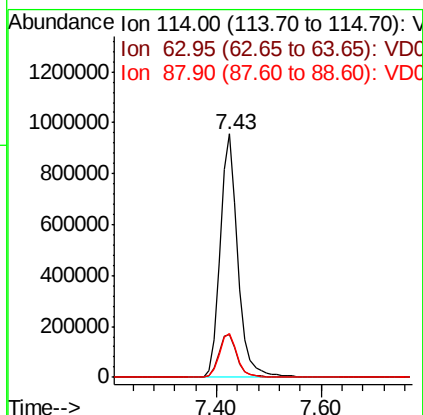
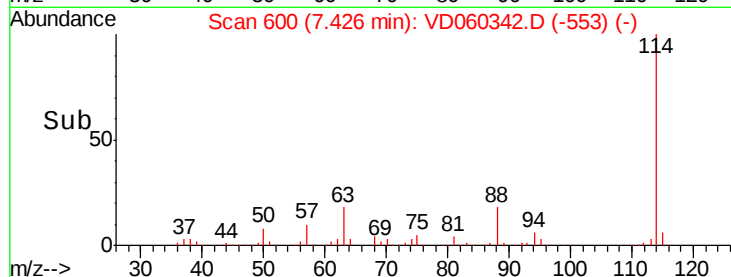
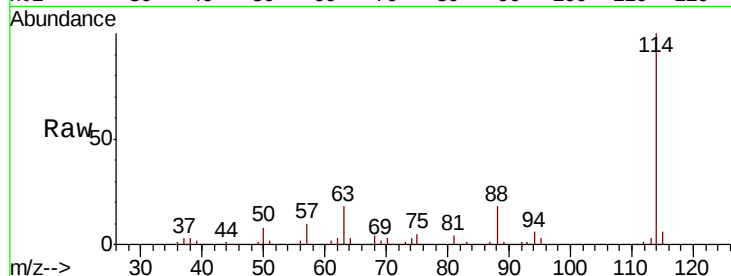




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. -0.03 min
 Lab File: VD060342.D
 Acq: 12 Nov 2018 17:26

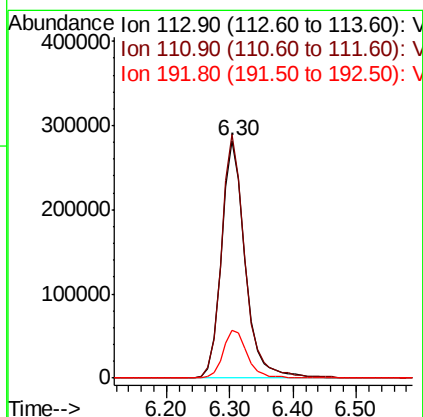
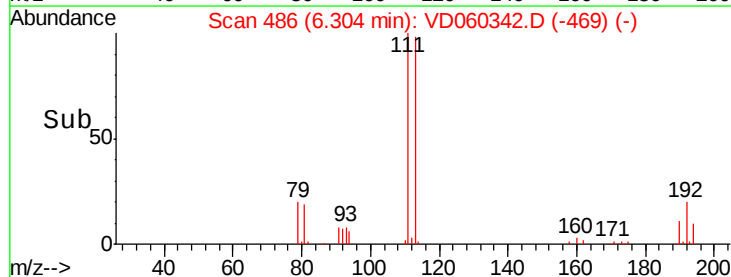
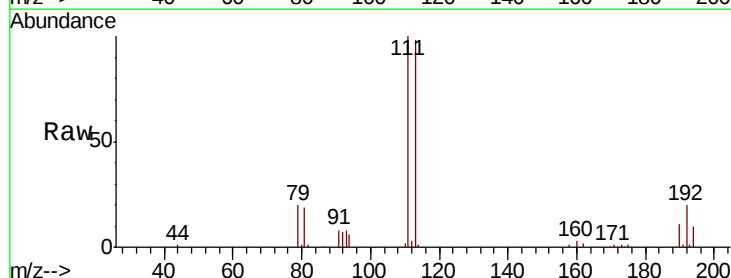
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2-S

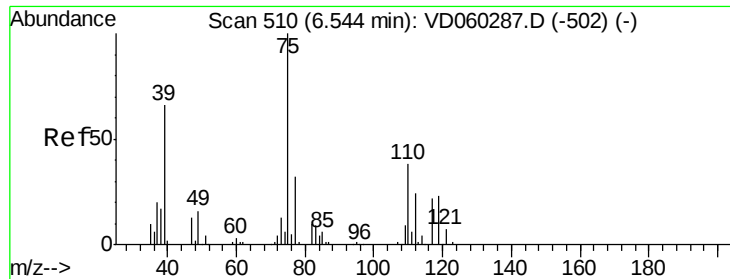
Tgt Ion:114 Resp: 2231980
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 34.0
 88 18.3 0.0 35.4



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: VD060342.D
 Acq: 12 Nov 2018 17:26

Tgt Ion:113 Resp: 736839
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.6 122.4
 192 20.0 16.5 24.7





#36

1,1-Dichloropropene

Concen: 5.250 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.16 min

Lab File: VD060342.D

Acq: 12 Nov 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

TP-2-S

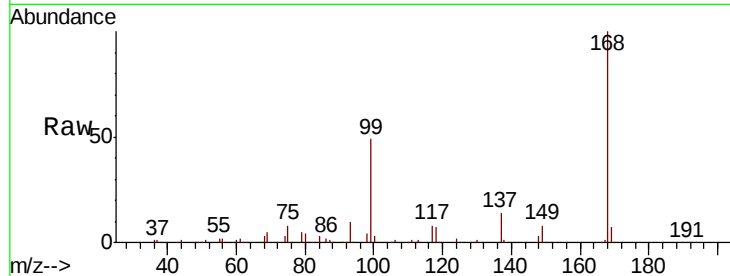
Tgt Ion: 75 Resp: 115777

Ion Ratio Lower Upper

75 100

110 6.4 18.0 54.0#

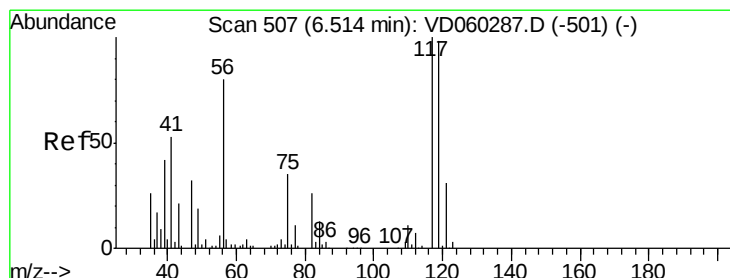
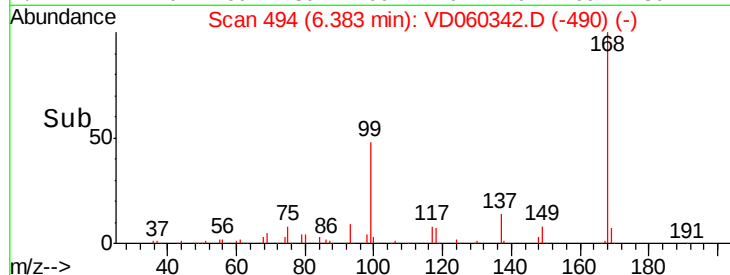
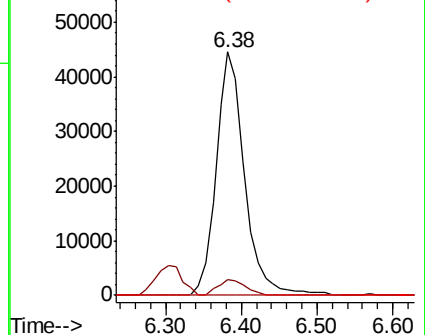
77 0.0 25.6 38.4#



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: 5.947 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.13 min

Lab File: VD060342.D

Acq: 12 Nov 2018 17:26

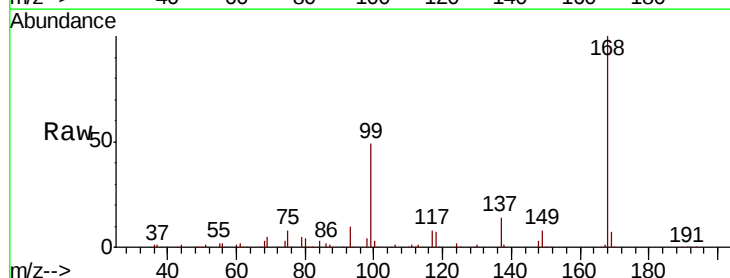
Tgt Ion: 117 Resp: 121654

Ion Ratio Lower Upper

117 100

119 4.8 76.6 115.0#

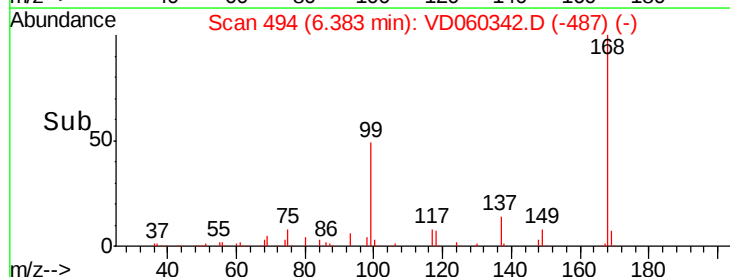
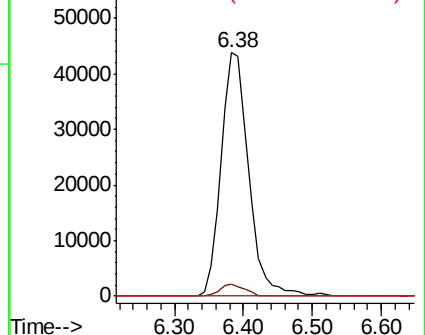
121 0.0 24.3 36.5#

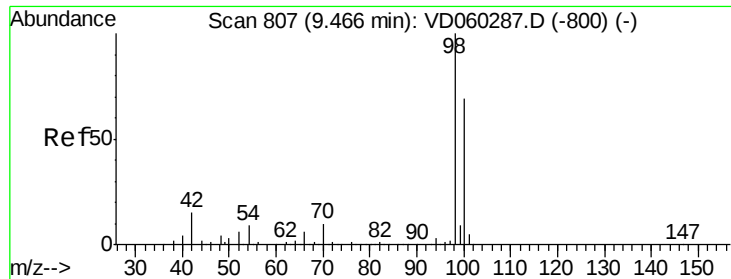


Abundance Ion 116.85 (116.55 to 117.55): V

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: 9.43 min Scan# 804

Delta R.T. -0.03 min

Lab File: VD060342.D

Acq: 12 Nov 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

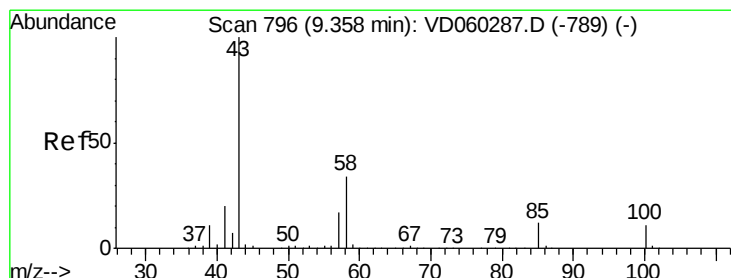
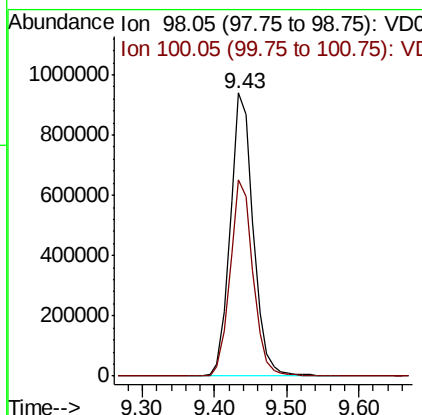
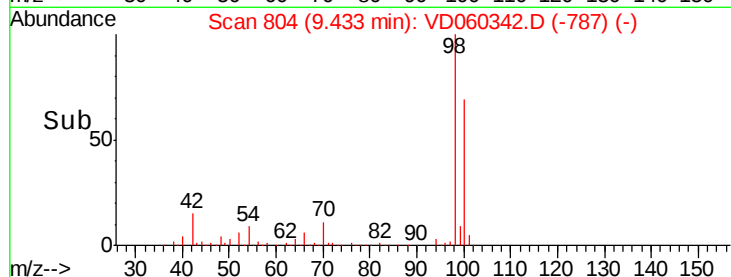
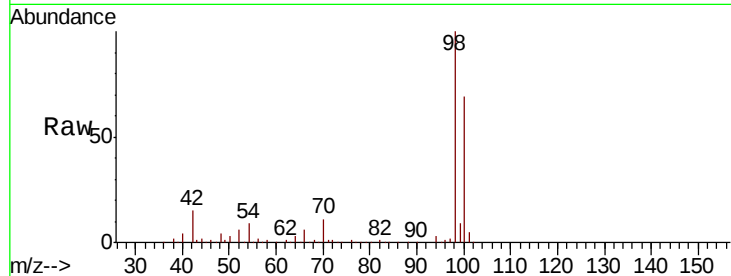
TP-2-S

Tgt Ion: 98 Resp: 2081636

Ion Ratio Lower Upper

98 100

100 69.3 55.2 82.8



#51

4-Methyl-2-Pentanone

Concen: 1.440 ug/l

RT: 9.43 min Scan# 804

Delta R.T. 0.08 min

Lab File: VD060342.D

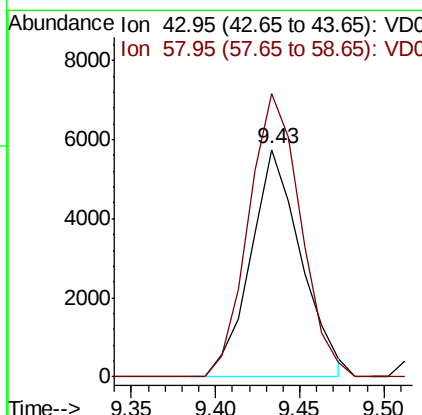
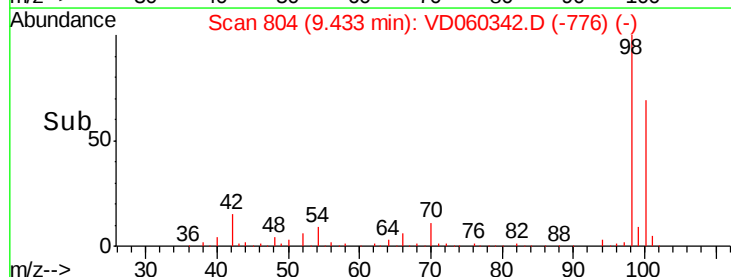
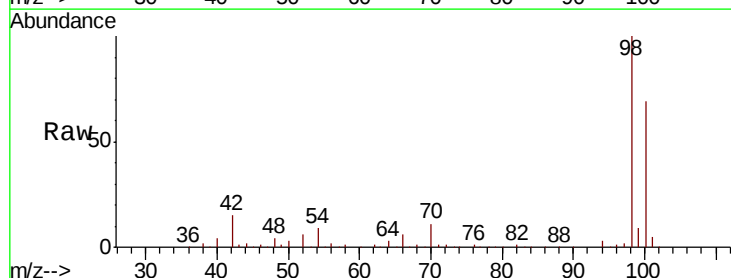
Acq: 12 Nov 2018 17:26

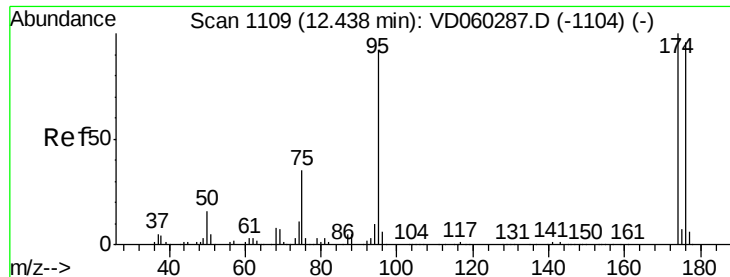
Tgt Ion: 43 Resp: 11943

Ion Ratio Lower Upper

43 100

58 124.4 26.1 39.1#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060342.D

Acq: 12 Nov 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

TP-2-S

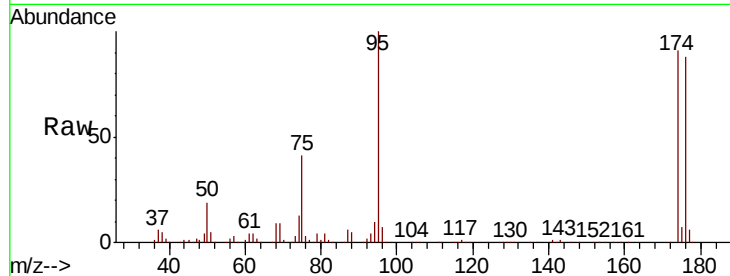
Tgt Ion: 95 Resp: 733389

Ion Ratio Lower Upper

95 100

174 91.2 0.0 160.8

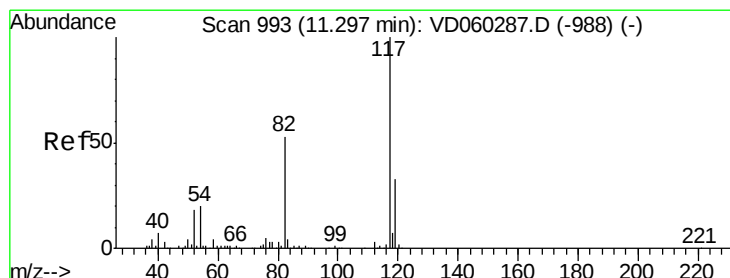
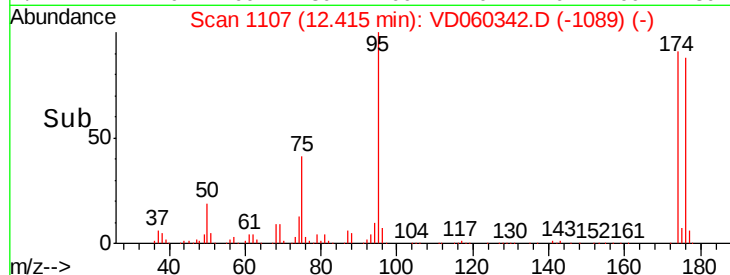
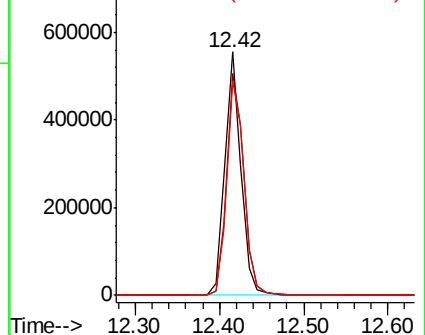
176 88.2 0.0 154.6



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: 11.27 min Scan# 991

Delta R.T. -0.02 min

Lab File: VD060342.D

Acq: 12 Nov 2018 17:26

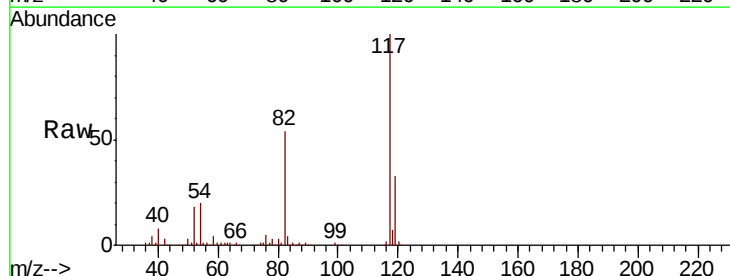
Tgt Ion: 117 Resp: 1716862

Ion Ratio Lower Upper

117 100

82 54.4 43.7 65.5

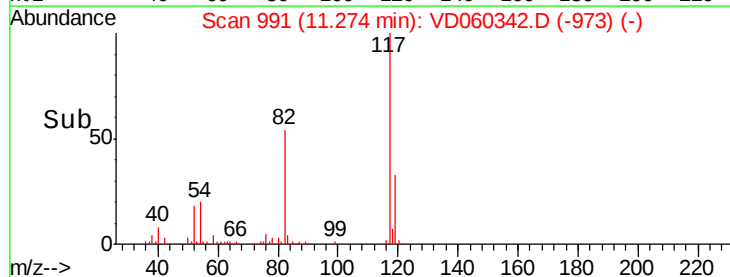
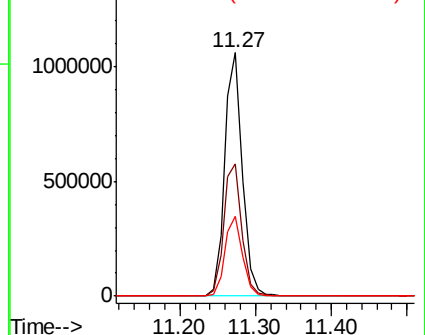
119 32.9 26.1 39.1

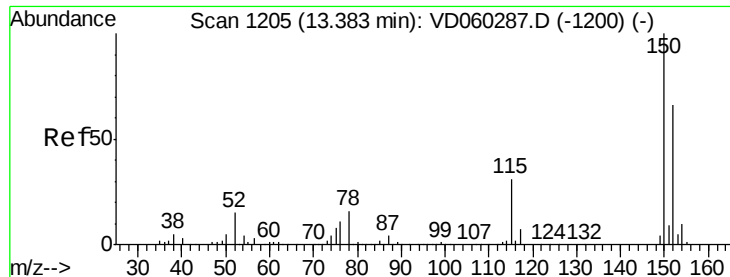


Abundance Ion 116.95 (116.65 to 117.65): V

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: 13.36 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD060342.D

Acq: 12 Nov 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

TP-2-S

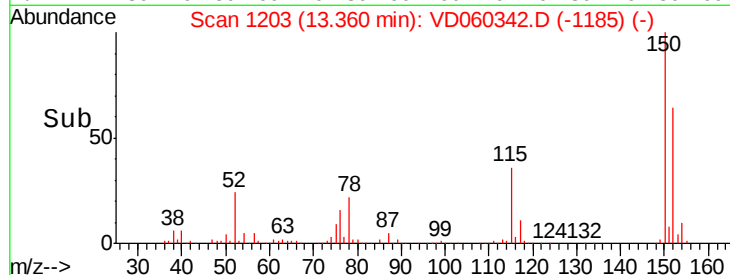
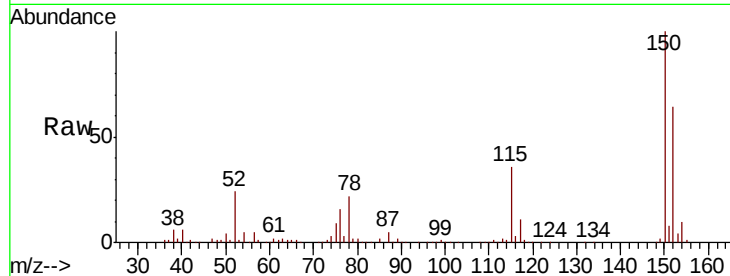
Tgt Ion:152 Resp: 807866

Ion Ratio Lower Upper

152 100

115 57.1 24.1 72.3

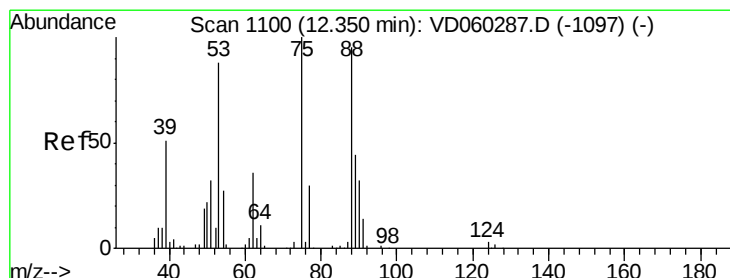
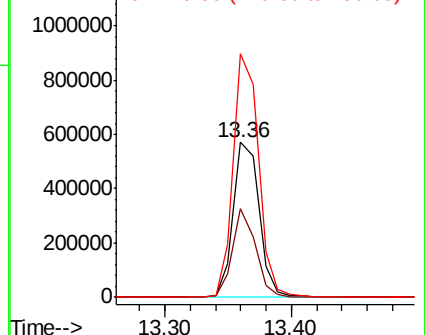
150 157.1 0.0 310.6



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



#81

trans-1,4-Dichloro-2-butene

Concen: 111.433 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.07 min

Lab File: VD060342.D

Acq: 12 Nov 2018 17:26

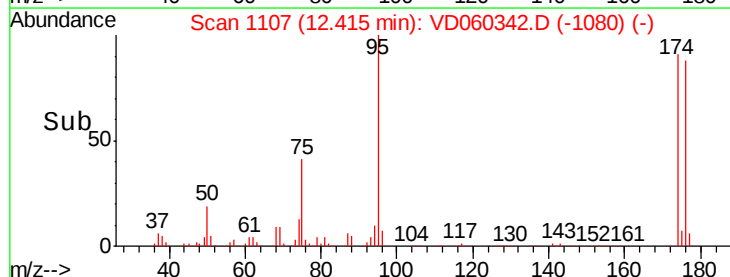
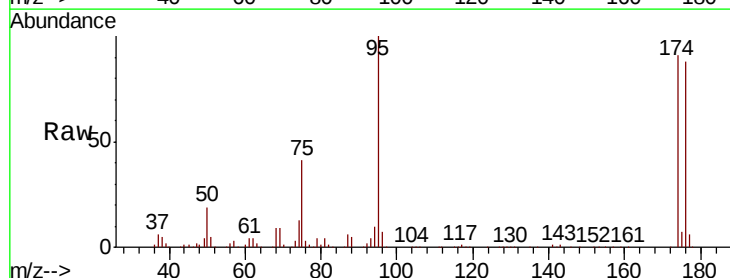
Tgt Ion: 75 Resp: 306588

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.0 34.1 51.1#



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

