

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111218\
 Data File : VD060349.D
 Acq On : 12 Nov 2018 20:43
 Operator : JC/SY
 Sample : J5908-15
 Misc : 4.79g/5ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SR-5-S

Quant Time: Nov 13 00:42:35 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	790464	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	1248639	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.27	117	982665	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.37	152	345467	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	435698	76.98	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	153.96%	
35) Dibromofluoromethane	6.30	113	499767	53.68	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	107.36%	
50) Toluene-d8	9.44	98	1152506	42.29	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	84.58%	
62) 4-Bromofluorobenzene	12.41	95	376250	38.10	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	76.20%	

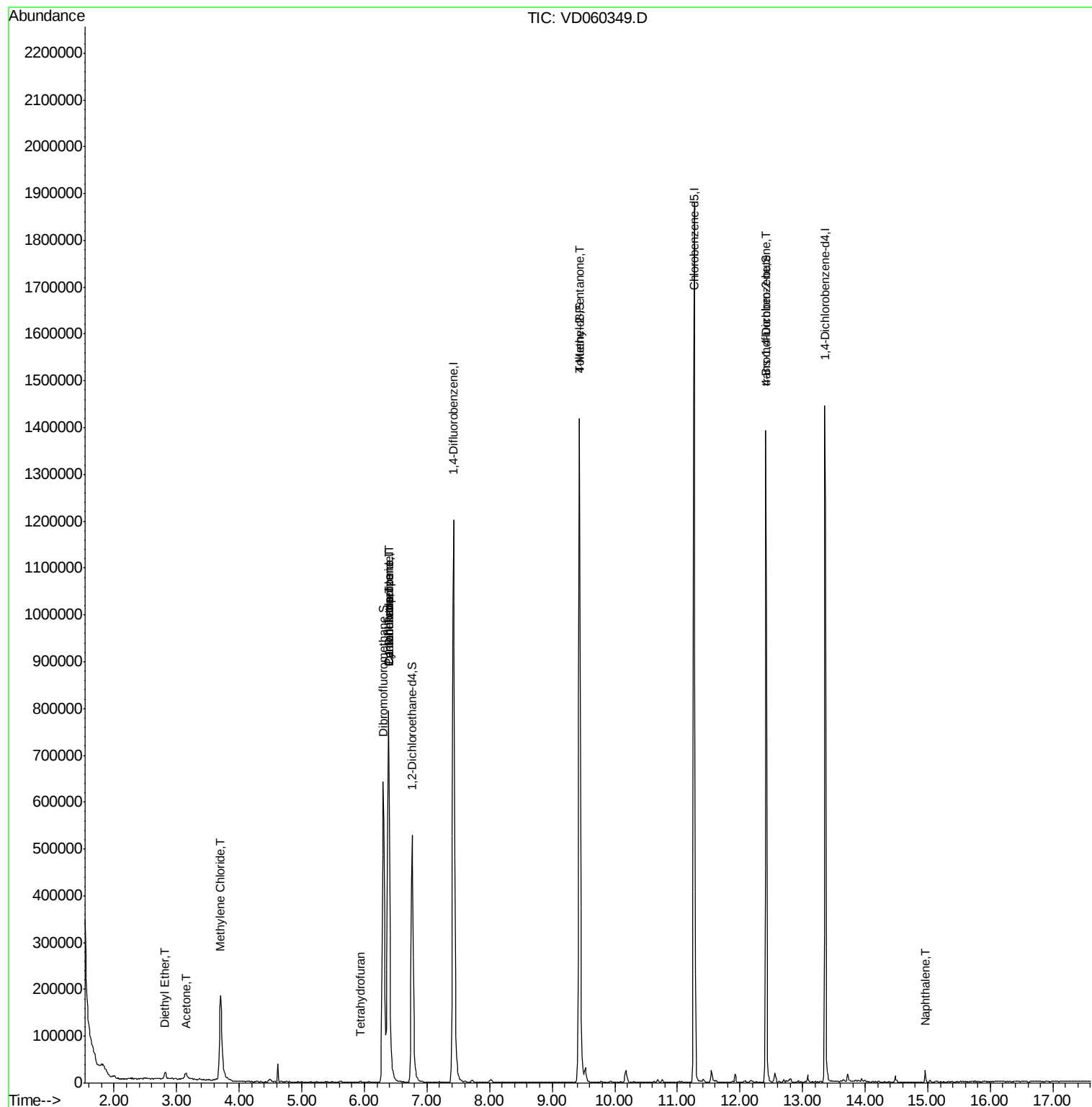
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.82	74	5451	4.176	ug/l	85
16) Acetone	3.14	43	30138	30.698	ug/l	94
20) Methylene Chloride	3.70	84	119927	13.770	ug/l	96
29) Tetrahydrofuran	5.94	42	2680	2.491	ug/l #	61
31) Cyclohexane	6.38	56	17175	1.271	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	58191	4.717	ug/l #	46
38) Carbon Tetrachloride	6.39	117	62105	5.427	ug/l #	15
51) 4-Methyl-2-Pentanone	9.43	43	7250	1.562	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.41	75	159112	135.237	ug/l #	15
95) Naphthalene	14.96	128	15727	1.663	ug/l	97

(#) = 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# 494

Delta R.T. -0.04 min

Lab File: VD060349.D

Acq: 12 Nov 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

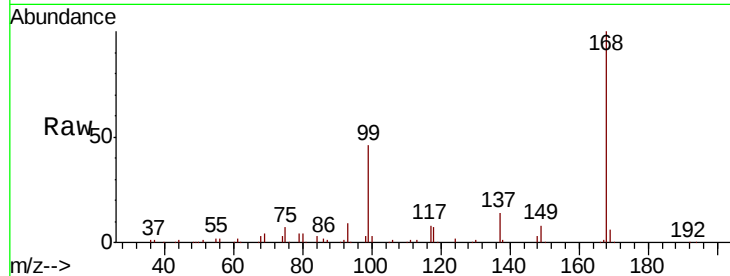
SR-5-S

Tgt Ion: 168 Resp: 790464

Ion Ratio Lower Upper

168 100

99 46.0 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

300000

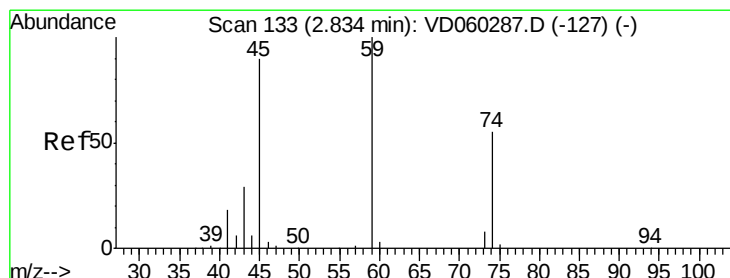
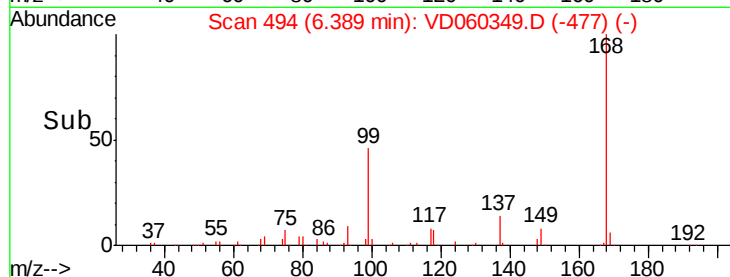
200000

100000

0

Time-->

6.20 6.30 6.40 6.50 6.60



#8

Diethyl Ether

Concen: 4.176 ug/l

RT: 2.82 min Scan# 131

Delta R.T. -0.02 min

Lab File: VD060349.D

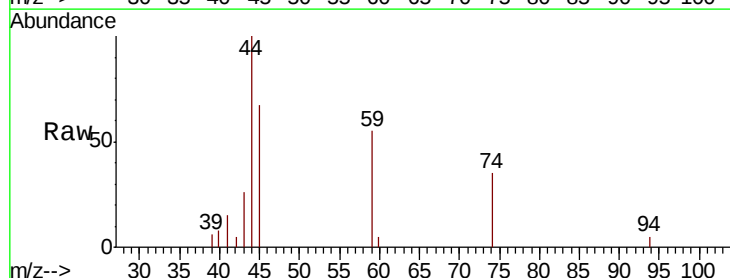
Acq: 12 Nov 2018 20:43

Tgt Ion: 74 Resp: 5451

Ion Ratio Lower Upper

74 100

45 190.0 84.8 254.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

5000

4000

3000

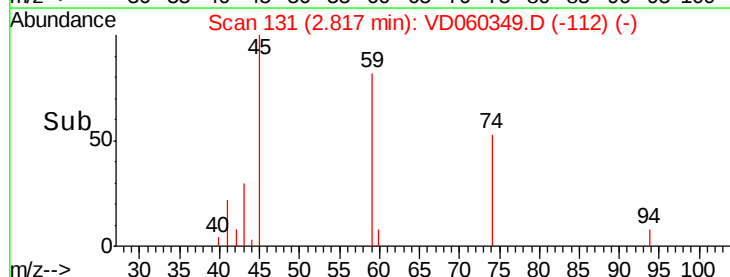
2000

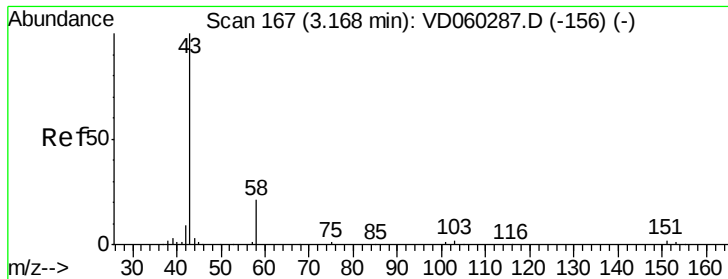
1000

0

Time-->

2.75 2.80 2.85





#16

Acetone

Concen: 30.698 ug/l

RT: 3.14 min Scan# 164

Delta R.T. -0.03 min

Lab File: VD060349.D

Acq: 12 Nov 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

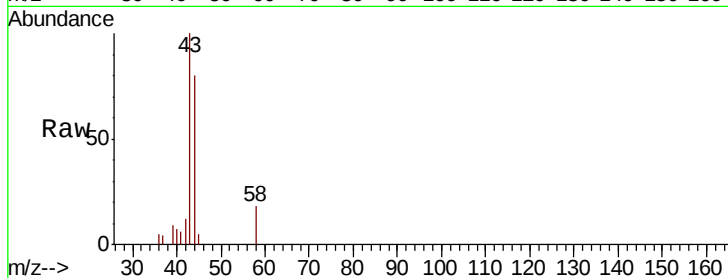
SR-5-S

Tgt Ion: 43 Resp: 30138

Ion Ratio Lower Upper

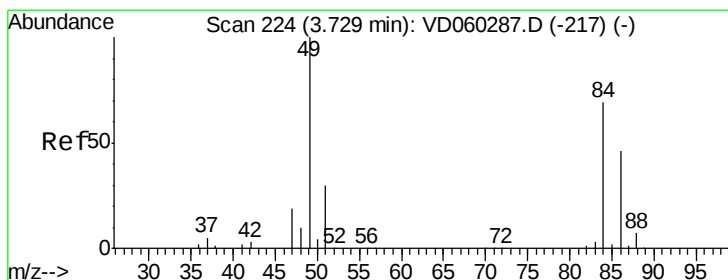
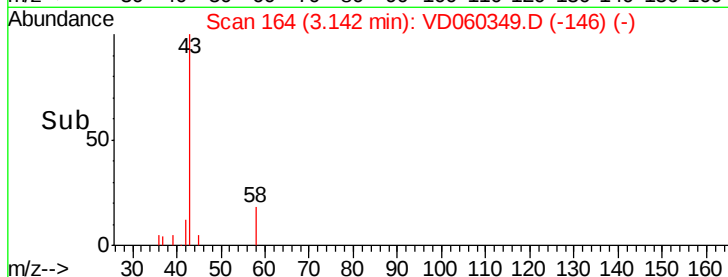
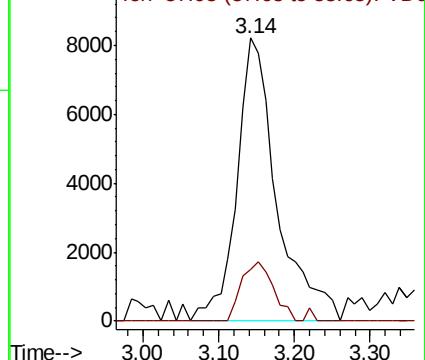
43 100

58 18.2 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: 13.770 ug/l

RT: 3.70 min Scan# 221

Delta R.T. -0.03 min

Lab File: VD060349.D

Acq: 12 Nov 2018 20:43

Tgt Ion: 84 Resp: 119927

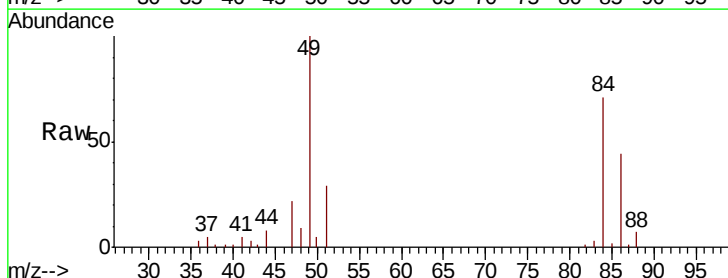
Ion Ratio Lower Upper

84 100

49 140.9 115.6 173.4

51 40.5 35.6 53.4

86 61.8 52.3 78.5

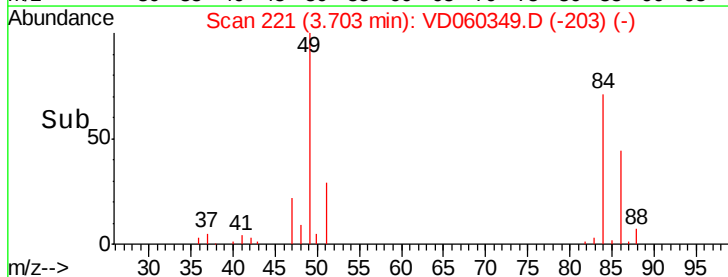
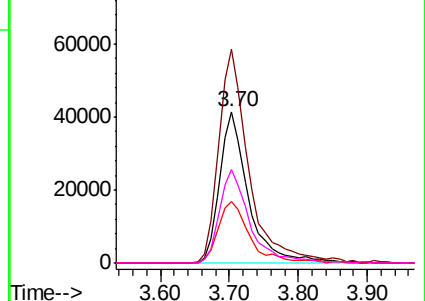


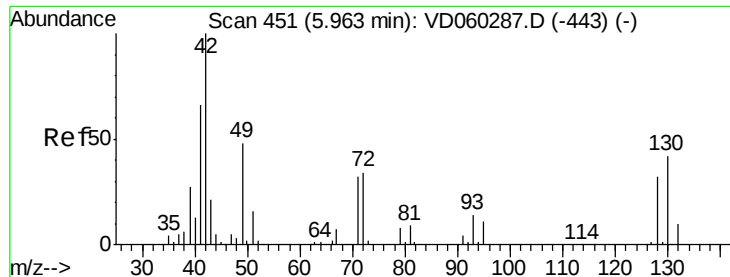
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#29

Tetrahydrofuran

Concen: 2.491 ug/l

RT: 5.94 min Scan# 448

Delta R.T. -0.03 min

Lab File: VD060349.D

Acq: 12 Nov 2018 20:43

Instrument :

MSVOA_D

ClientSampled :

SR-5-S

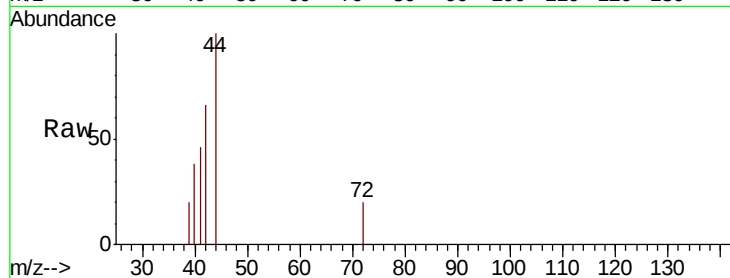
Tgt Ion: 42 Resp: 2680

Ion Ratio Lower Upper

42 100

72 15.9 27.6 41.4#

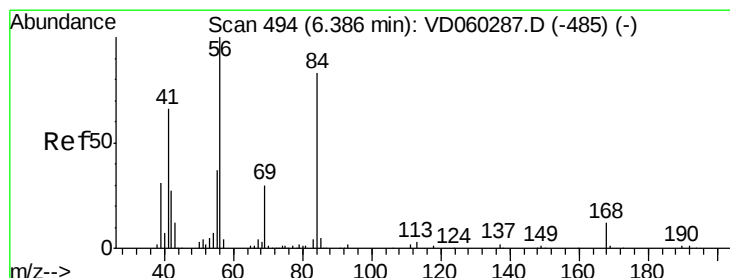
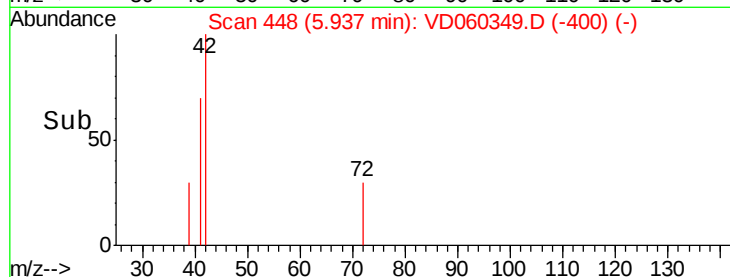
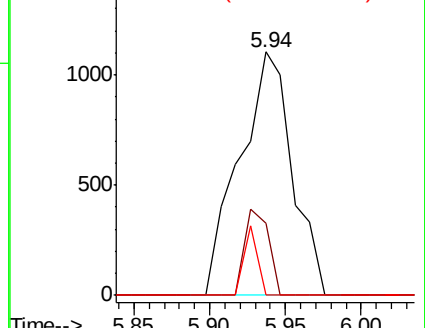
71 7.0 26.5 39.7#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 1.271 ug/l

RT: 6.38 min Scan# 493

Delta R.T. -0.01 min

Lab File: VD060349.D

Acq: 12 Nov 2018 20:43

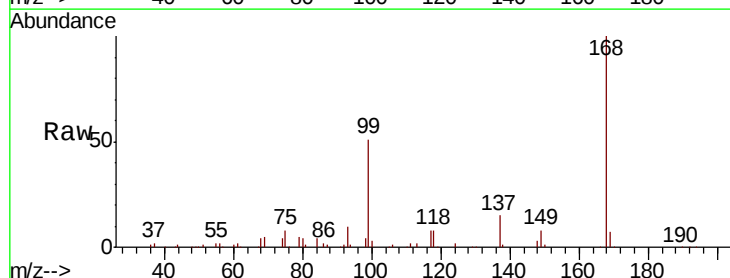
Tgt Ion: 56 Resp: 17175

Ion Ratio Lower Upper

56 100

69 253.6 22.2 33.2#

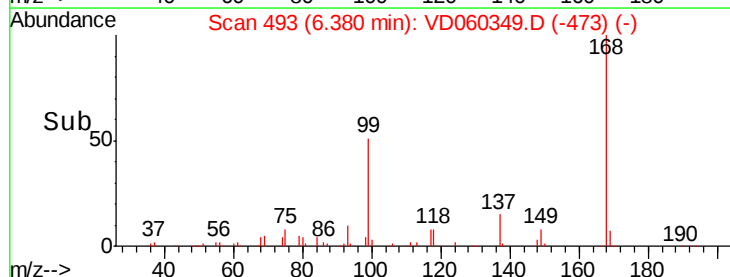
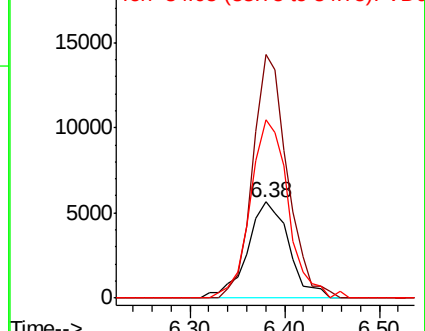
84 185.1 63.0 94.4#

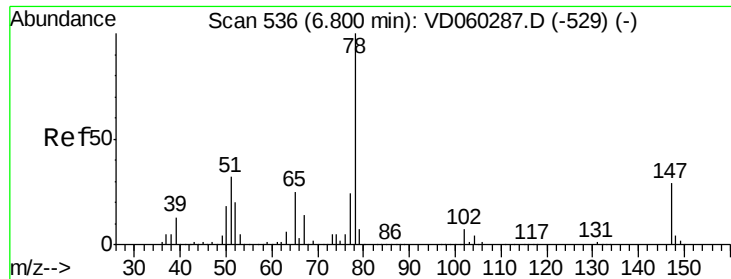


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

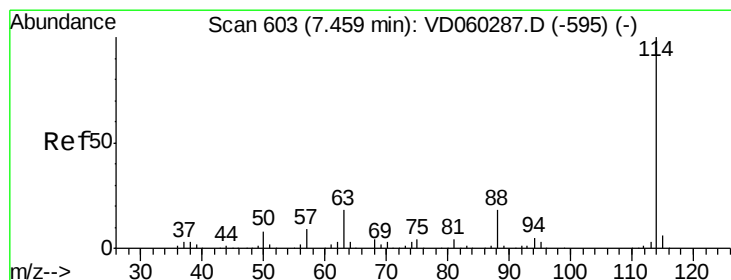
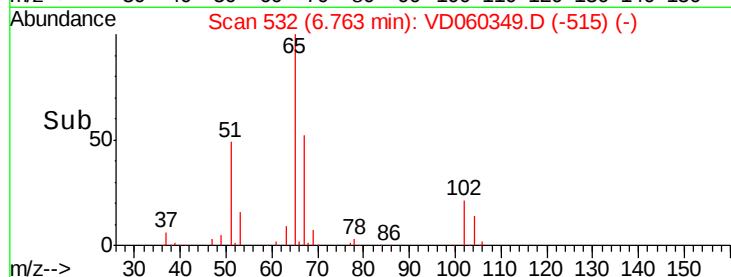
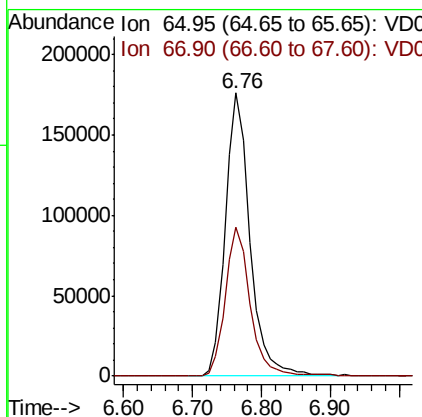
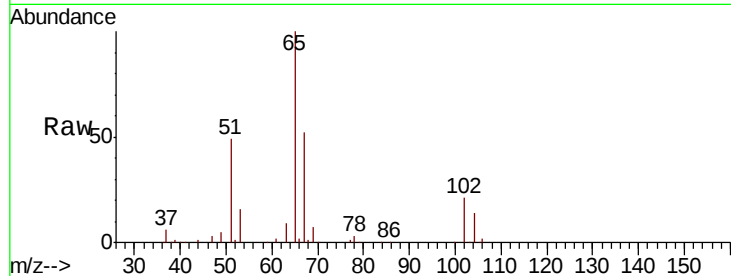




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. -0.04 min
 Lab File: VD060349.D
 Acq: 12 Nov 2018 20:43

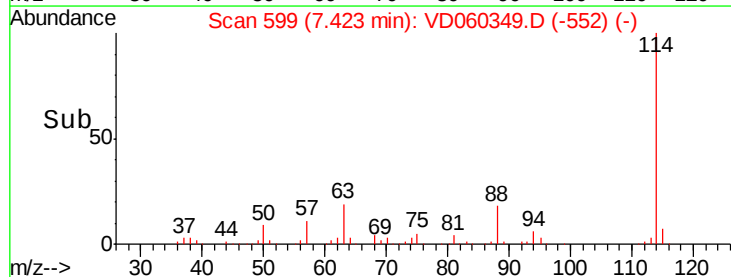
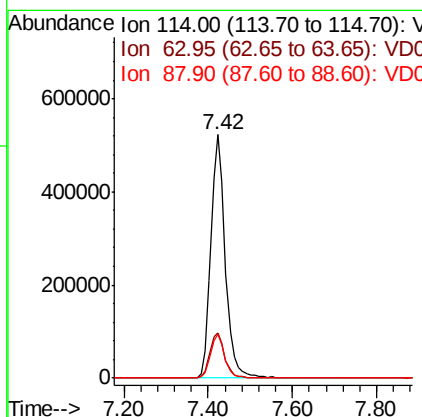
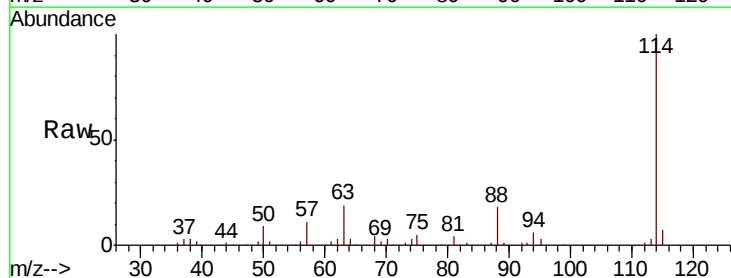
Instrument :
 MSVOA_D
 ClientSampleId :
 SR-5-S

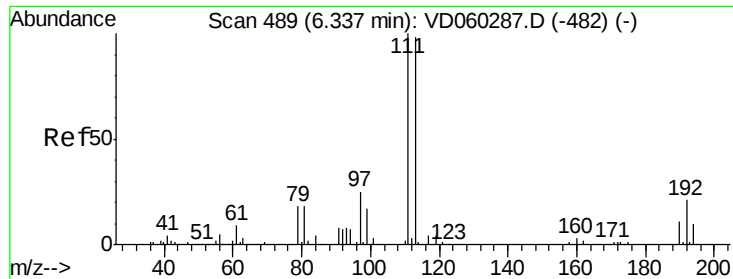
Tgt Ion: 65 Resp: 435698
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.04 min
 Lab File: VD060349.D
 Acq: 12 Nov 2018 20:43

Tgt Ion: 114 Resp: 1248639
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 34.0
 88 18.2 0.0 35.4

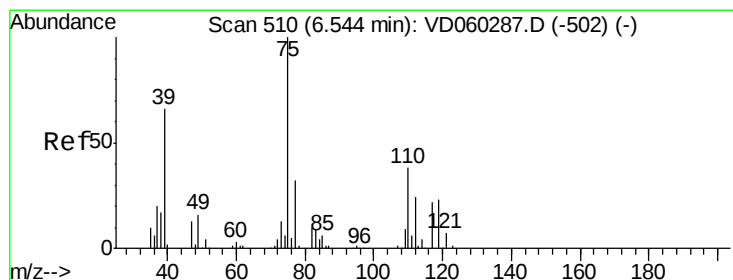
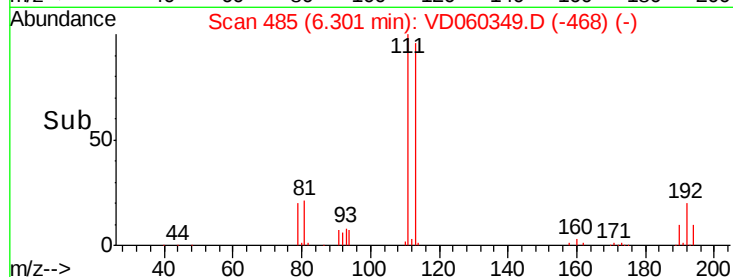
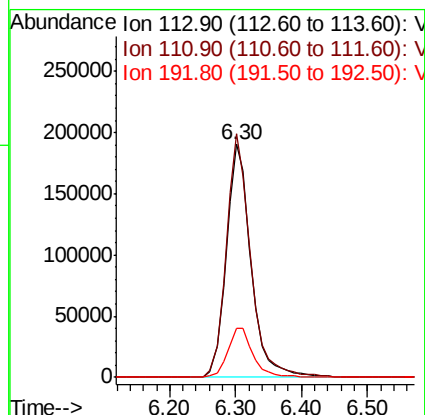
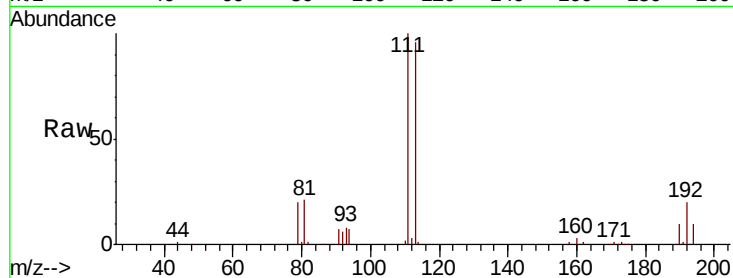




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 485
 Delta R.T. -0.04 min
 Lab File: VD060349.D
 Acq: 12 Nov 2018 20:43

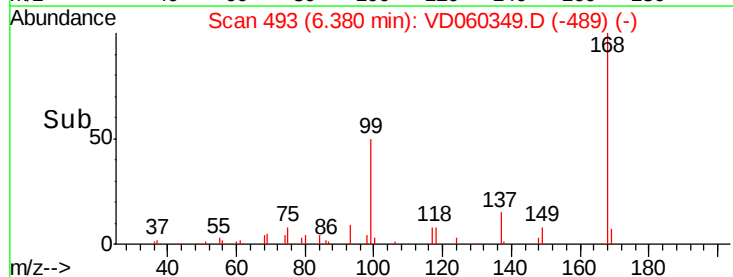
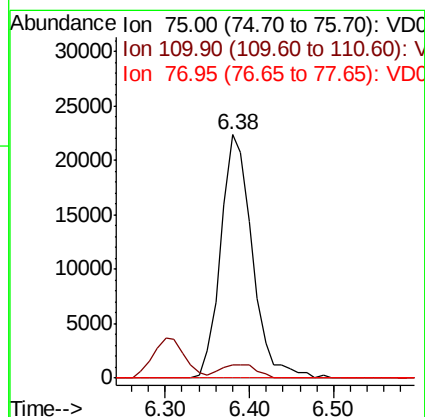
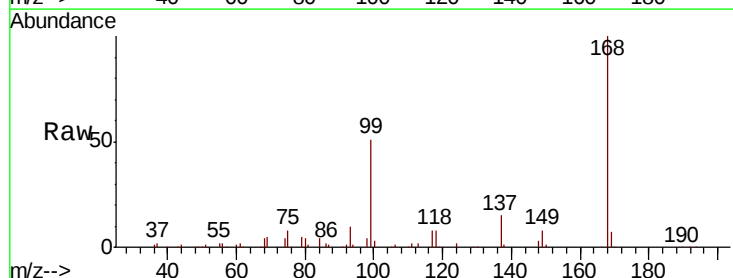
Instrument :
 MSVOA_D
 ClientSampled :
 SR-5-S

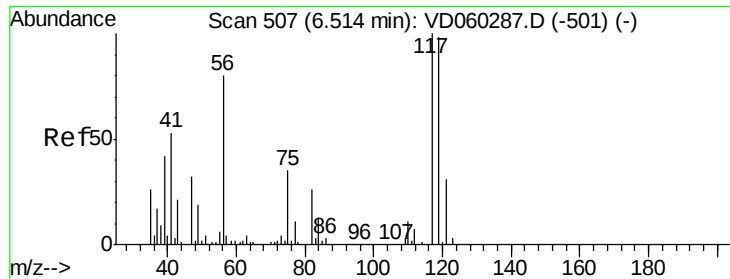
Tgt Ion:113 Resp: 499767
 Ion Ratio Lower Upper
 113 100
 111 104.4 81.6 122.4
 192 20.9 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 4.717 ug/l
 RT: 6.38 min Scan# 493
 Delta R.T. -0.16 min
 Lab File: VD060349.D
 Acq: 12 Nov 2018 20:43

Tgt Ion: 75 Resp: 58191
 Ion Ratio Lower Upper
 75 100
 110 5.5 18.0 54.0#
 77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 5.427 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.12 min

Lab File: VD060349.D

Acq: 12 Nov 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

SR-5-S

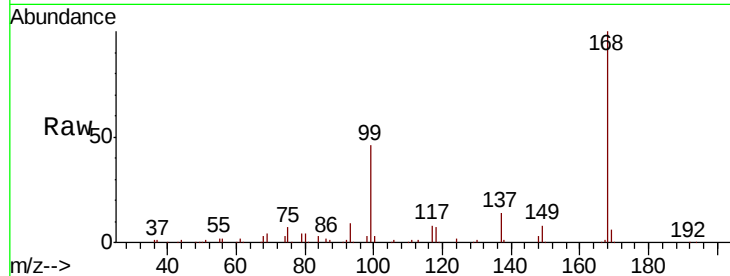
Tgt Ion:117 Resp: 62105

Ion Ratio Lower Upper

117 100

119 4.3 76.6 115.0#

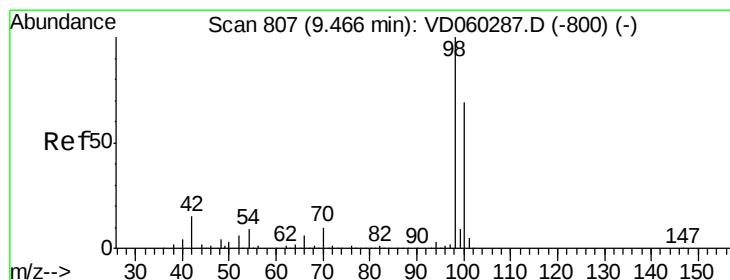
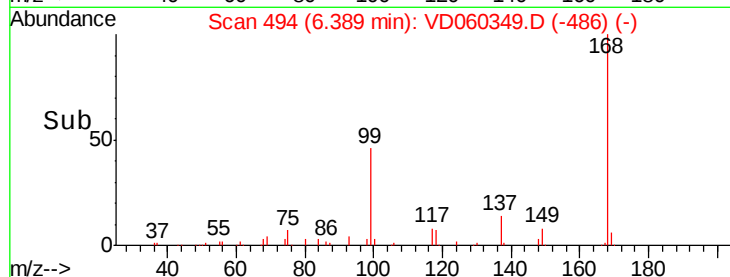
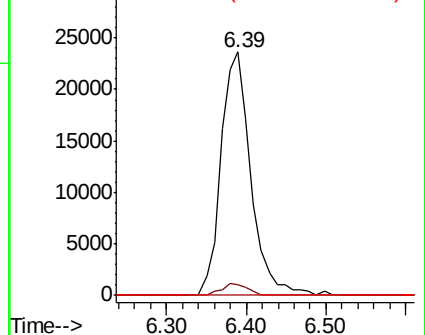
121 0.0 24.3 36.5#



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: 9.44 min Scan# 804

Delta R.T. -0.03 min

Lab File: VD060349.D

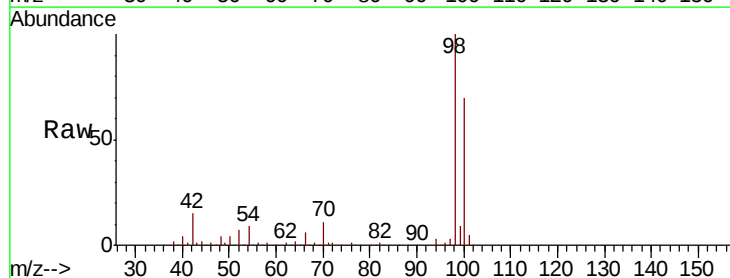
Acq: 12 Nov 2018 20:43

Tgt Ion: 98 Resp: 1152506

Ion Ratio Lower Upper

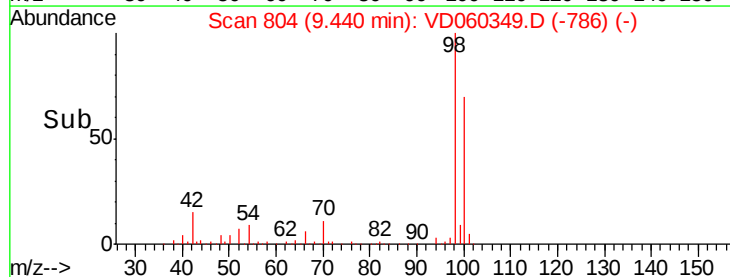
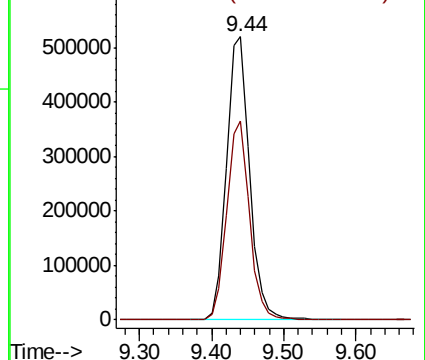
98 100

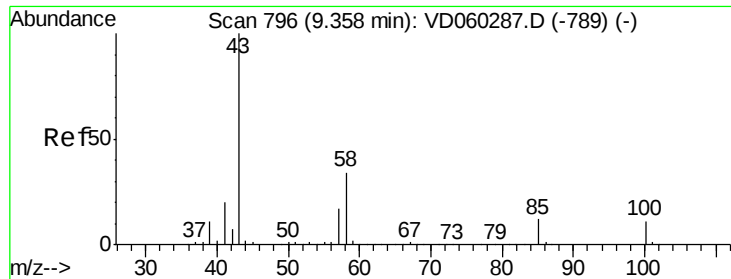
100 70.3 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.562 ug/l

RT: 9.43 min Scan# 803

Delta R.T. 0.07 min

Lab File: VD060349.D

Acq: 12 Nov 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

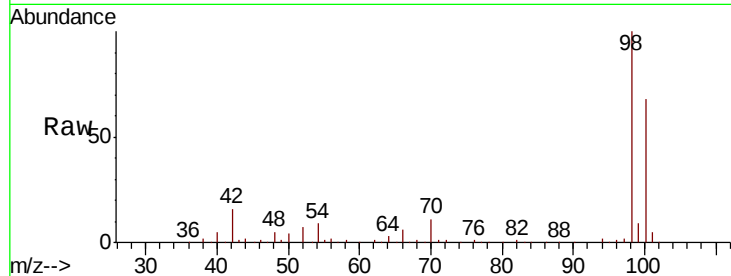
SR-5-S

Tgt Ion: 43 Resp: 7250

Ion Ratio Lower Upper

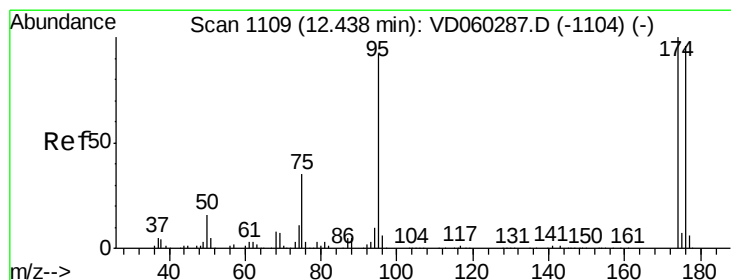
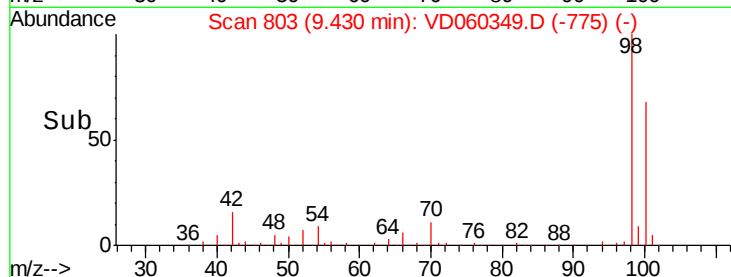
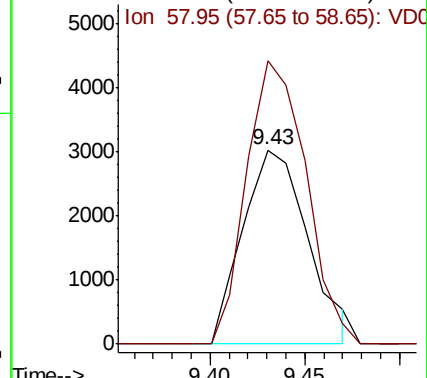
43 100

58 146.0 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.41 min Scan# 1106

Delta R.T. -0.03 min

Lab File: VD060349.D

Acq: 12 Nov 2018 20:43

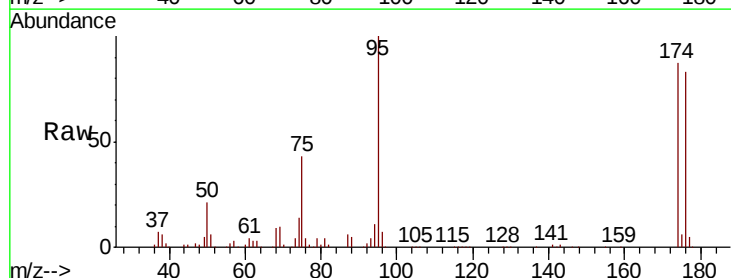
Tgt Ion: 95 Resp: 376250

Ion Ratio Lower Upper

95 100

174 86.8 0.0 160.8

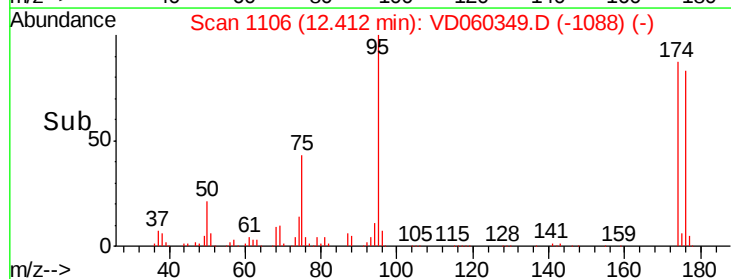
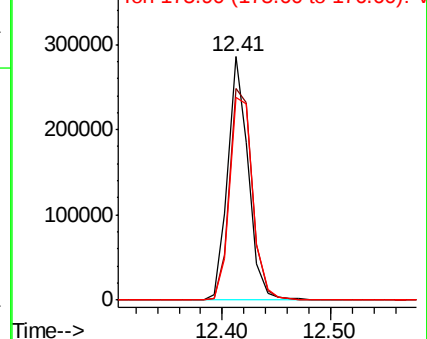
176 83.0 0.0 154.6

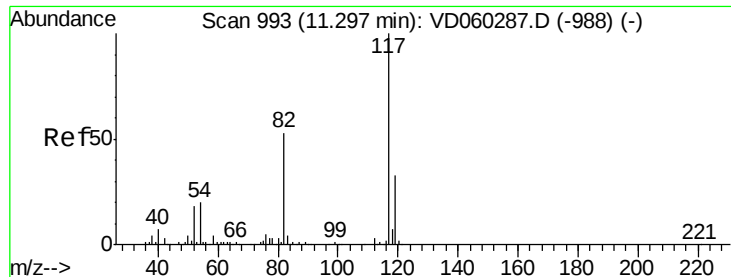


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

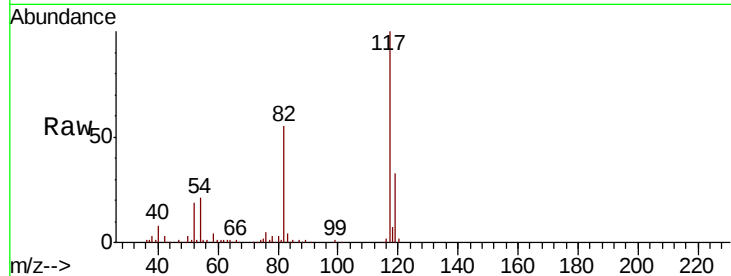




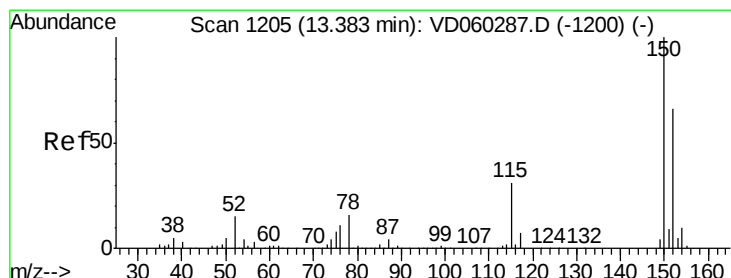
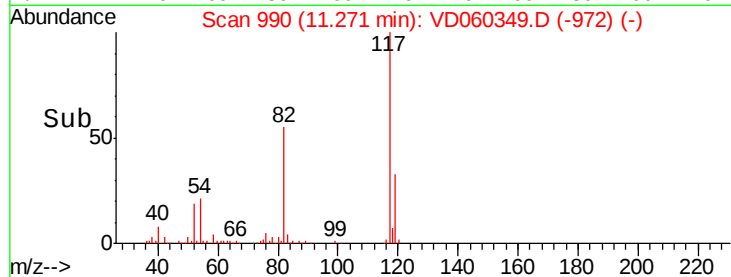
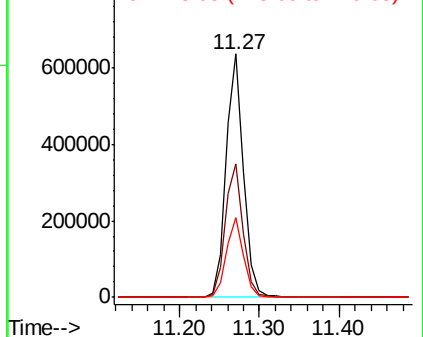
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.03 min
Lab File: VD060349.D
Acq: 12 Nov 2018 20:43

Instrument :
MSVOA_D
ClientSampleId :
SR-5-S

Tgt Ion:117 Resp: 982665
Ion Ratio Lower Upper
117 100
82 54.7 43.7 65.5
119 33.0 26.1 39.1

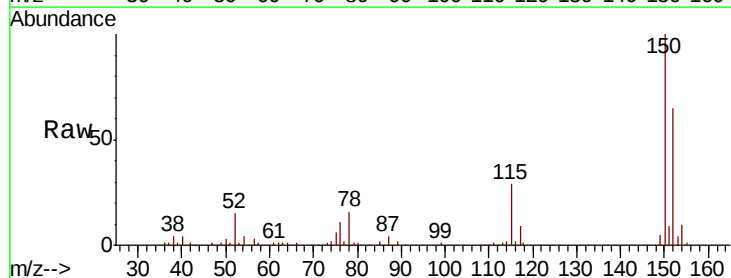


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

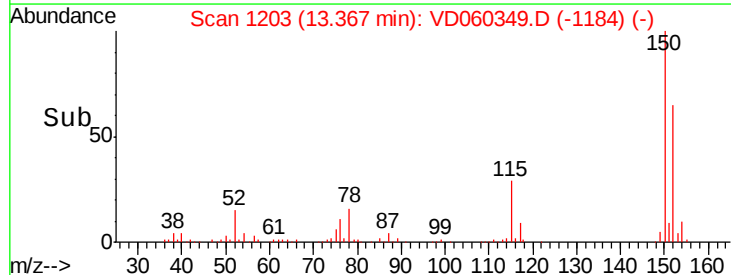
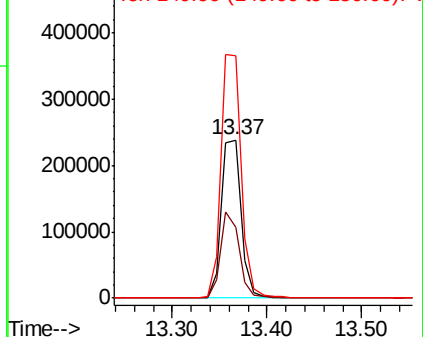


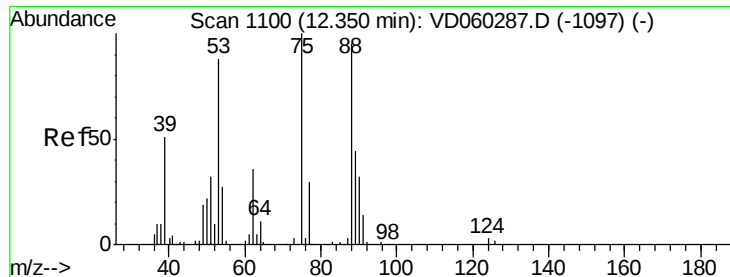
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VD060349.D
Acq: 12 Nov 2018 20:43

Tgt Ion:152 Resp: 345467
Ion Ratio Lower Upper
152 100
115 45.1 24.1 72.3
150 153.6 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: 135.237 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. 0.06 min

Lab File: VD060349.D

Acq: 12 Nov 2018 20:43

Instrument :

MSVOA_D

ClientSampleId :

SR-5-S

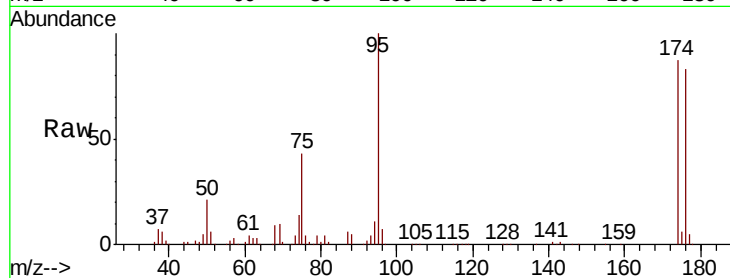
Tgt Ion: 75 Resp: 159112

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

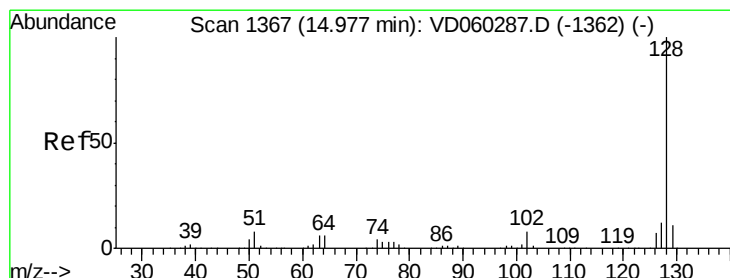
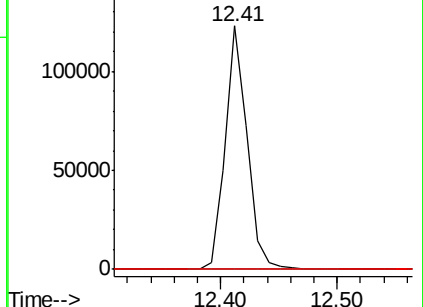
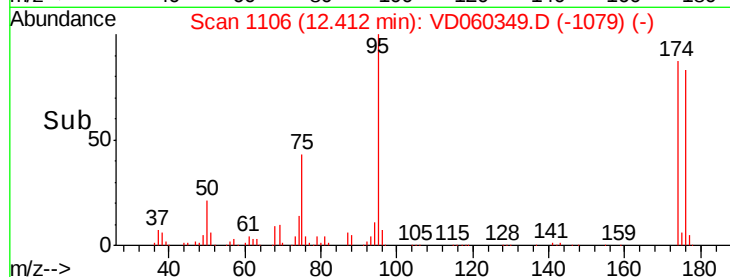
89 0.0 34.1 51.1#



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



#95

Naphthalene

Concen: 1.663 ug/l

RT: 14.96 min Scan# 1365

Delta R.T. -0.02 min

Lab File: VD060349.D

Acq: 12 Nov 2018 20:43

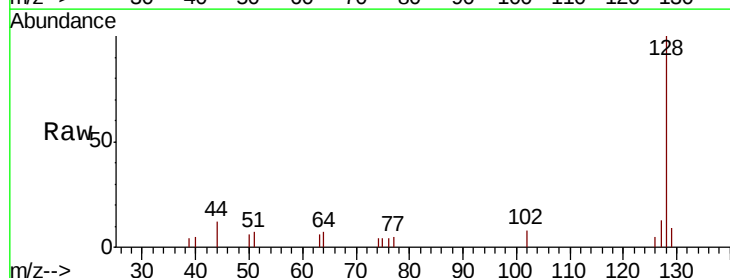
Tgt Ion: 128 Resp: 15727

Ion Ratio Lower Upper

128 100

127 12.6 9.6 14.4

129 9.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

