

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091918\
 Data File : VD060043.D
 Acq On : 19 Sep 2018 16:15
 Operator : JC/SY
 Sample : J5001-02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 20 05:44:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1481490	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.45	114	2046548	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.29	117	1676746	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	894683	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	444933	38.51	ug/l	0.03
Spiked Amount			Recovery	=	77.02%	
35) Dibromofluoromethane	6.33	113	621557	38.87	ug/l	0.03
Spiked Amount			Recovery	=	77.74%	
50) Toluene-d8	9.46	98	1657432	37.40	ug/l	0.02
Spiked Amount			Recovery	=	74.80%	
62) 4-Bromofluorobenzene	12.43	95	631761	37.32	ug/l	0.02
Spiked Amount			Recovery	=	74.64%	

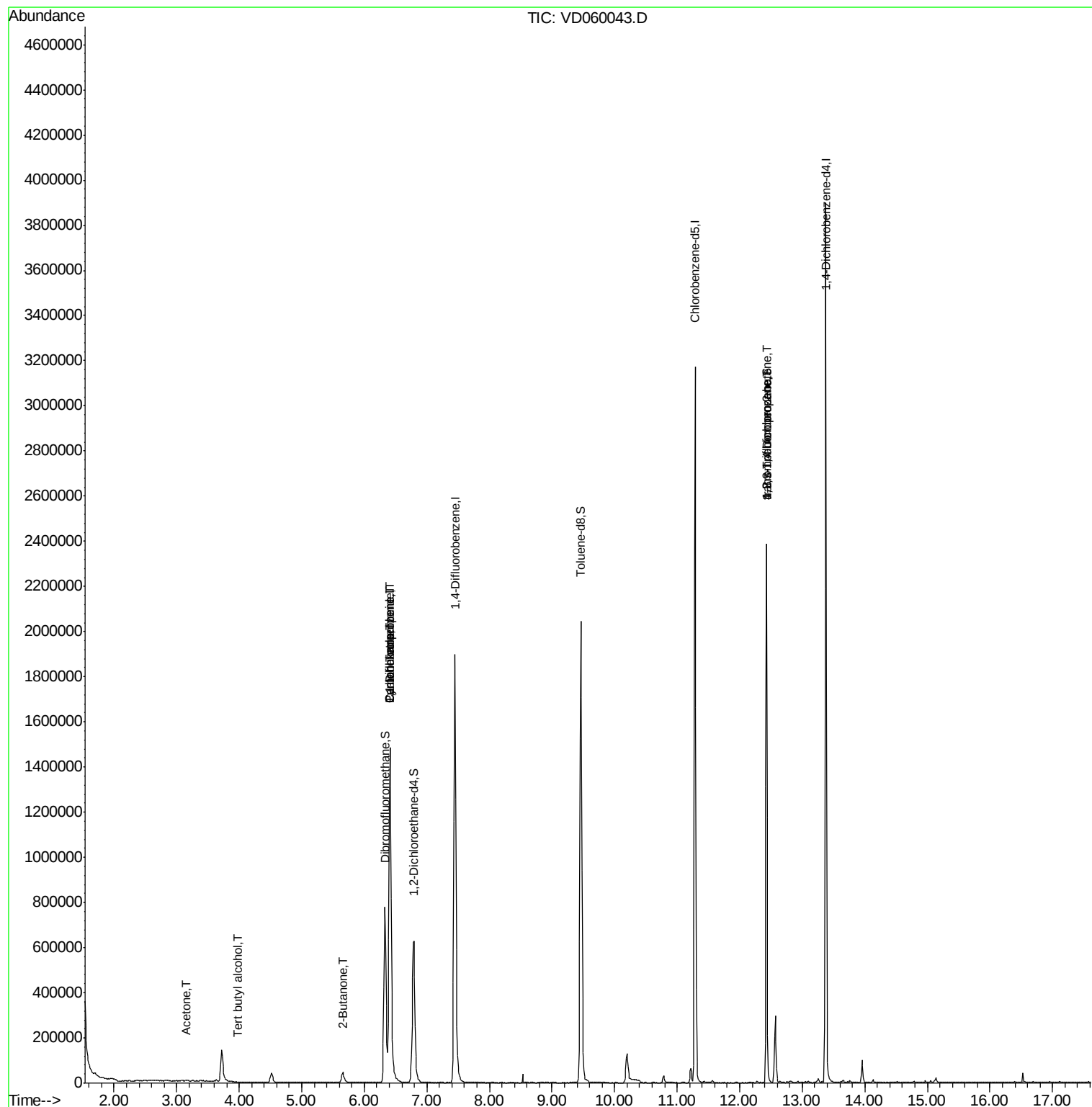
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.98	59	1652	1.77	ug/l	# 74
16) Acetone	3.16	43	7431	3.33	ug/l	95
20) Methylene Chloride	3.72	84	88021	Below	Cal	99
25) 2-Butanone	5.64	43	6813	1.13	ug/l	# 61
31) Cyclohexane	6.41	56	27733	1.08	ug/l	# 1
36) 1,1-Dichloropropene	6.41	75	105088	5.17	ug/l	# 47
38) Carbon Tetrachloride	6.41	117	115446	6.08	ug/l	# 16
51) 4-Methyl-2-Pentanone	9.34	43	3618	Below	Cal	# 42
59) 2-Hexanone	10.49	43	740	Below	Cal	# 30
76) 1,2,3-Trichloropropane	12.43	75	245733	17.98	ug/l	# 44
81) trans-1,4-Dichloro-2-buten	12.43	75	257758	62.49	ug/l	# 15
89) n-Butylbenzene	13.65	91	3029	Below	Cal	93
91) 1,2-Dichlorobenzene	13.66	146	1983	Below	Cal	93

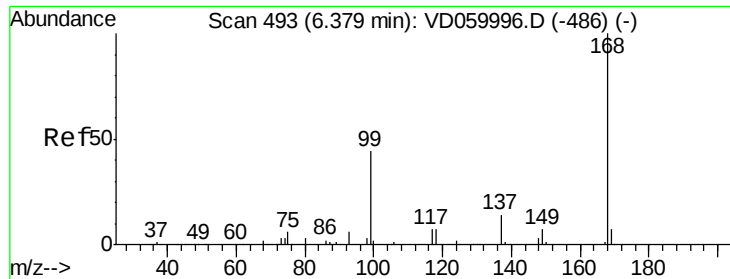
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091918\
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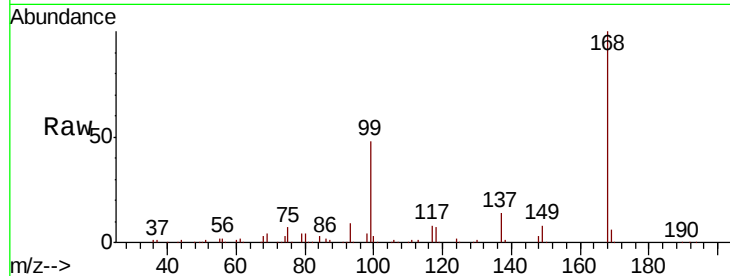


#1

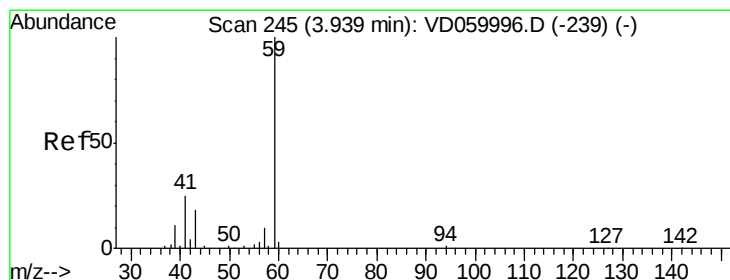
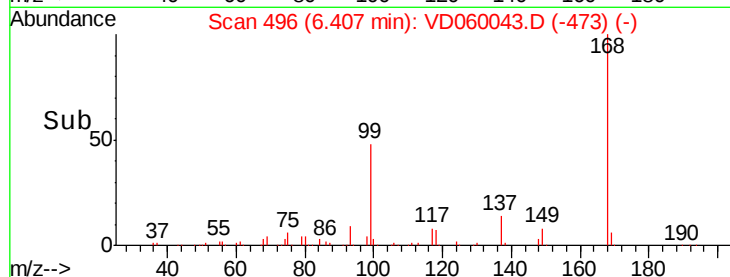
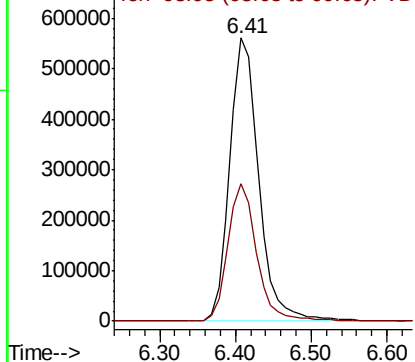
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 6.41 min Scan# 496
 Delta R.T. 0.03 min
 Lab File: VD060043.D
 Acq: 19 Sep 2018 16:15

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:168 Resp: 1481490
 Ion Ratio Lower Upper
 168 100
 99 48.5 38.5 57.7



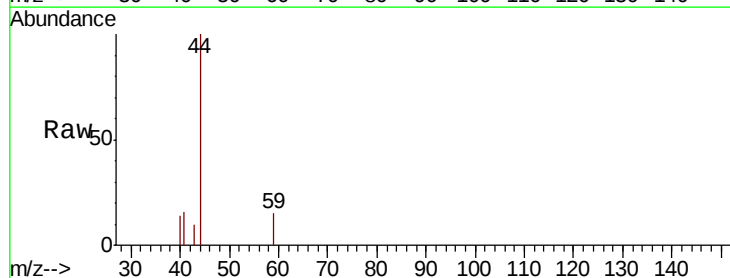
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.95 (98.65 to 99.65): VDC



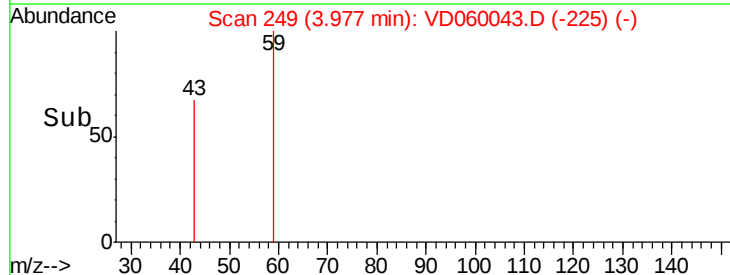
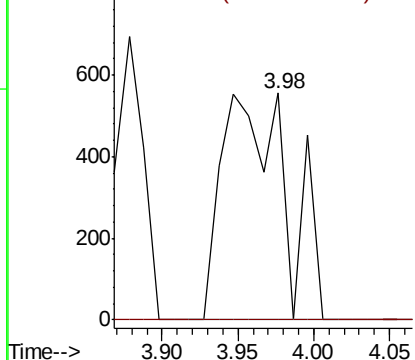
#11

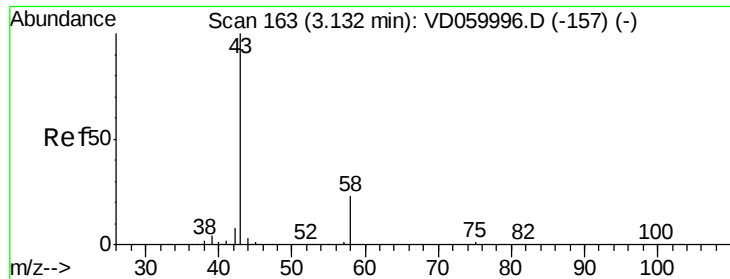
Tert butyl alcohol
 Concen: 1.77 ug/l
 RT: 3.98 min Scan# 249
 Delta R.T. 0.04 min
 Lab File: VD060043.D
 Acq: 19 Sep 2018 16:15

Tgt Ion: 59 Resp: 1652
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#



Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 3.33 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.03 min

Lab File: VD060043.D

Acq: 19 Sep 2018 16:15

Instrument :

MSVOA_D

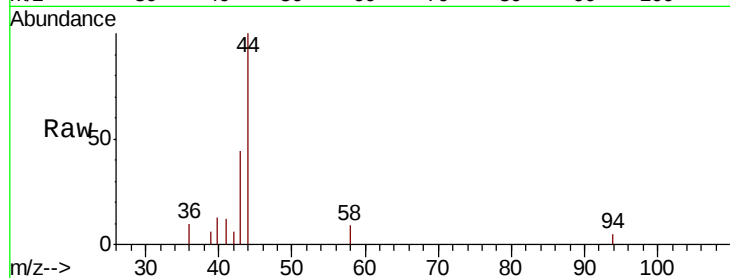
ClientSampled :

Tot Ion: 43 Resp: 7431

Ion Ratio Lower Upper

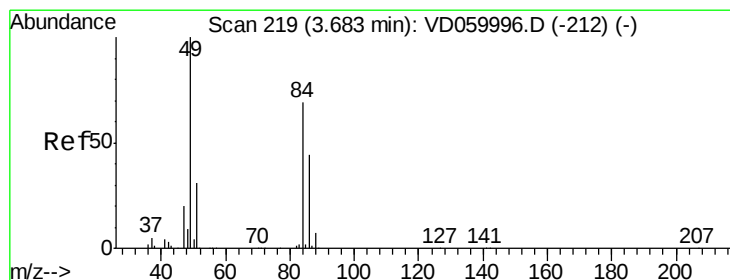
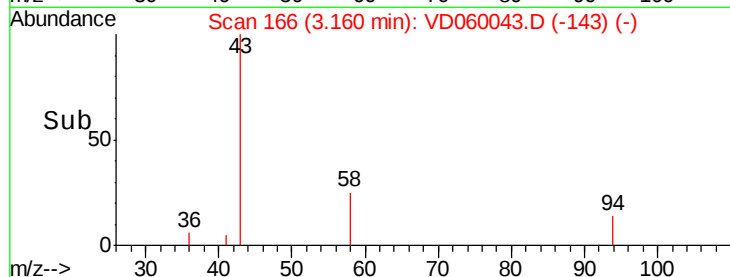
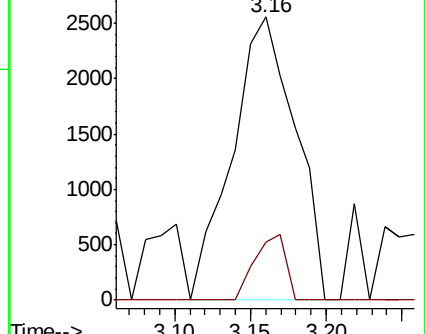
43 100

58 20.3 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 3.72 min Scan# 223

Delta R.T. 0.04 min

Lab File: VD060043.D

Acq: 19 Sep 2018 16:15

Tgt Ion: 84 Resp: 88021

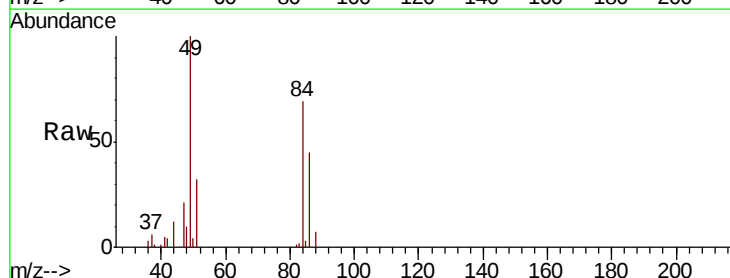
Ion Ratio Lower Upper

84 100

49 144.2 116.6 175.0

51 46.5 35.9 53.9

86 64.4 51.8 77.6

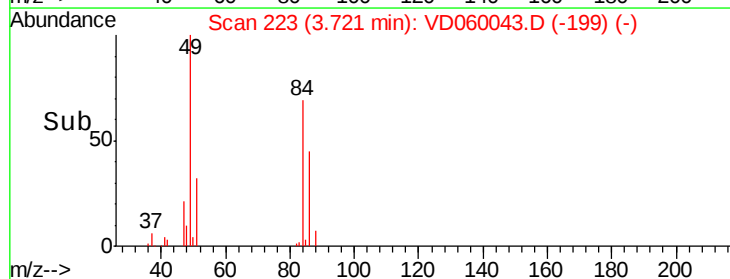
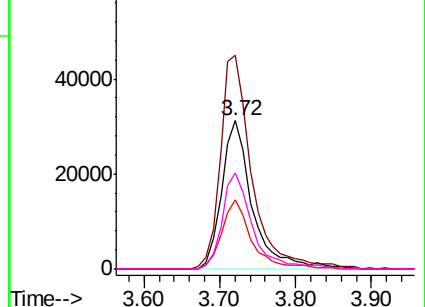


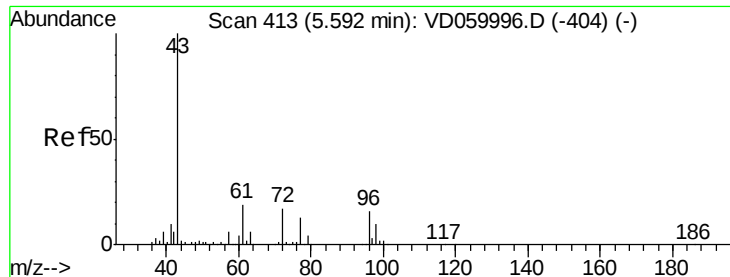
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#25

2-Butanone

Concen: 1.13 ug/l

RT: 5.64 min Scan# 418

Delta R.T. 0.05 min

Lab File: VD060043.D

Acq: 19 Sep 2018 16:15

Instrument :

MSVOA_D

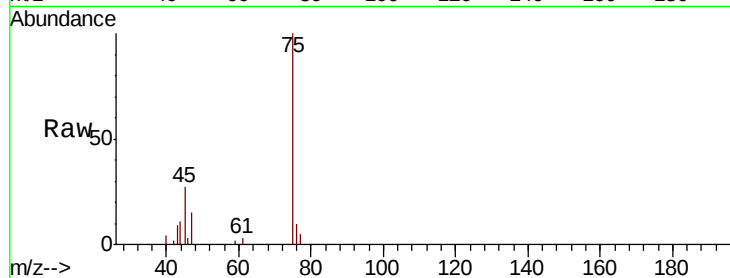
ClientSampleId :

Tot Ion: 43 Resp: 6813

Ion Ratio Lower Upper

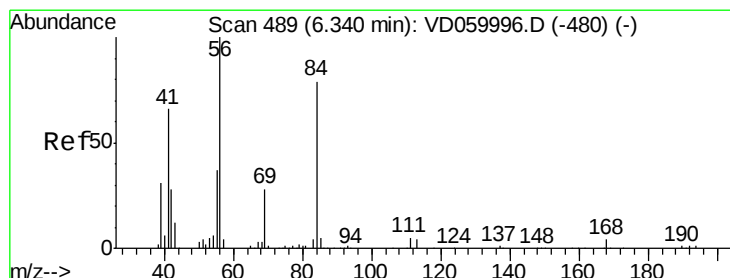
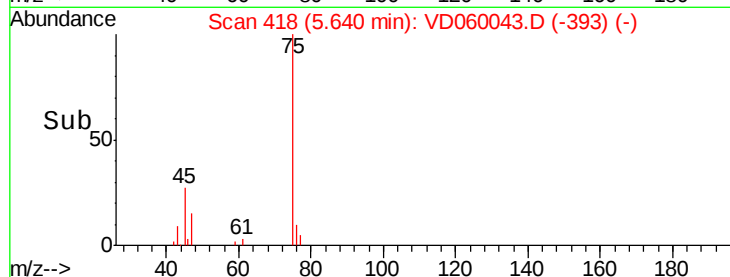
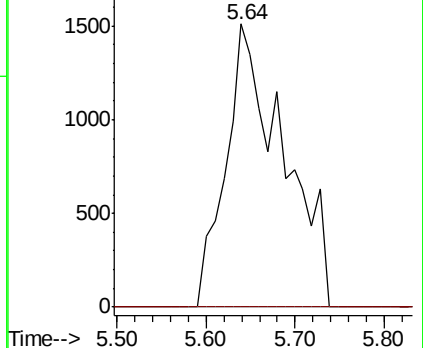
43 100

72 0.0 13.6 20.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.08 ug/l

RT: 6.41 min Scan# 496

Delta R.T. 0.07 min

Lab File: VD060043.D

Acq: 19 Sep 2018 16:15

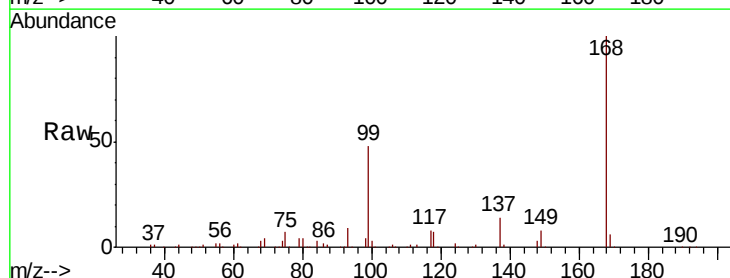
Tgt Ion: 56 Resp: 27733

Ion Ratio Lower Upper

56 100

69 246.5 22.7 34.1#

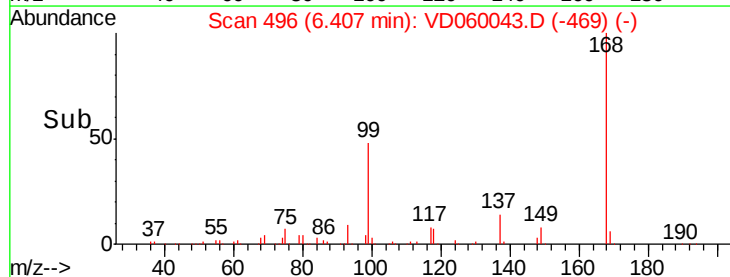
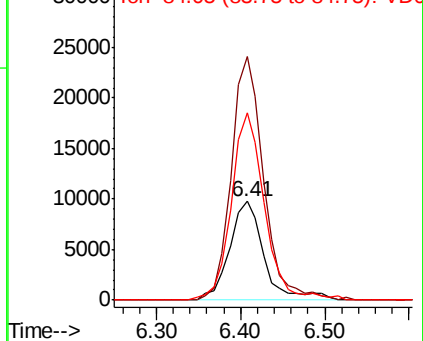
84 189.6 64.0 96.0#

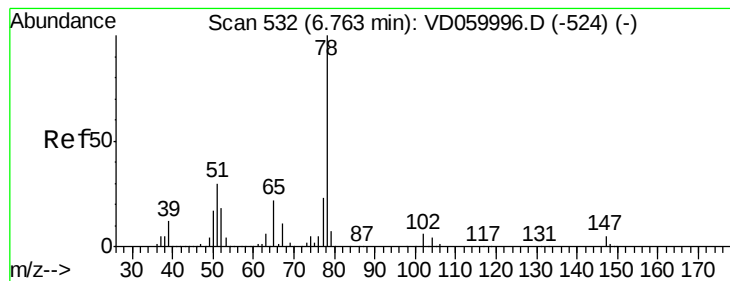


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: 6.79 min Scan# 535

Delta R.T. 0.03 min

Lab File: VD060043.D

Acq: 19 Sep 2018 16:15

Instrument :

MSVOA_D

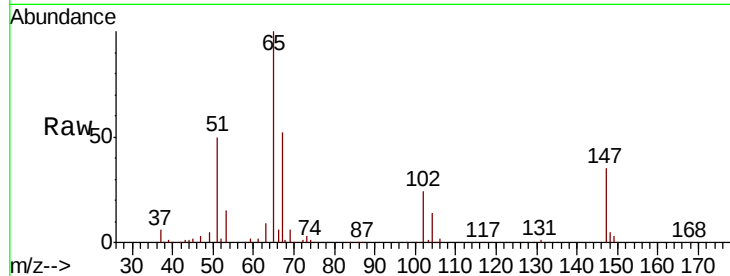
ClientSampleId :

Tot Ion: 65 Resp: 444933

Ion Ratio Lower Upper

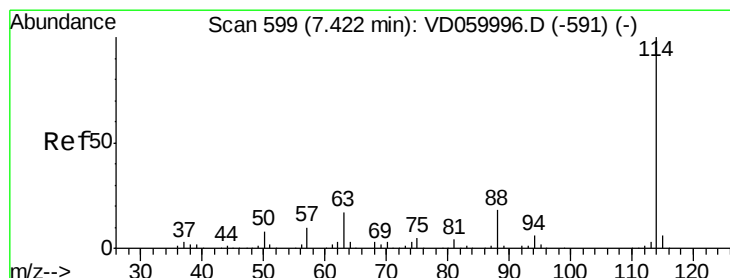
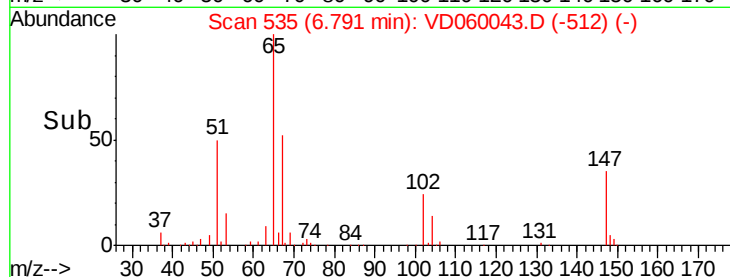
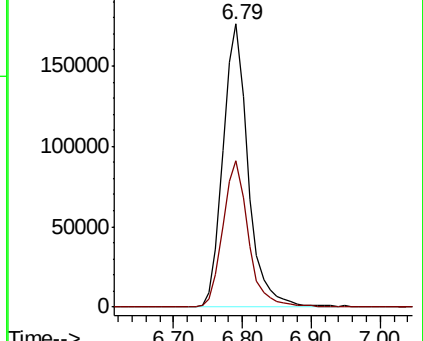
65 100

67 51.6 0.0 104.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.45 min Scan# 602

Delta R.T. 0.03 min

Lab File: VD060043.D

Acq: 19 Sep 2018 16:15

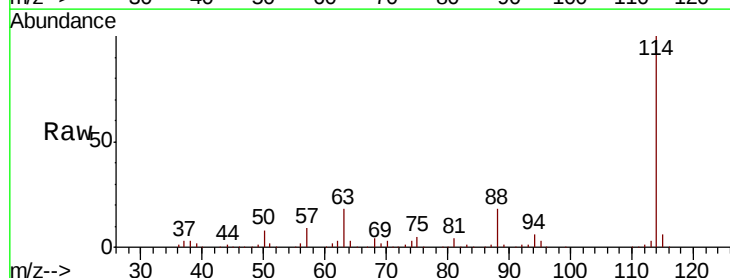
Tgt Ion:114 Resp: 2046548

Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.4

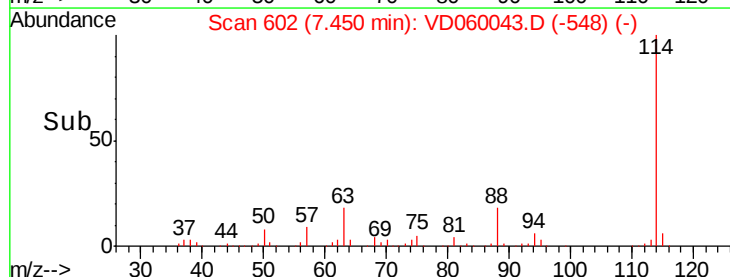
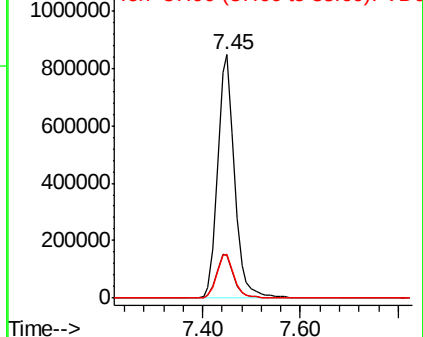
88 18.1 0.0 35.8

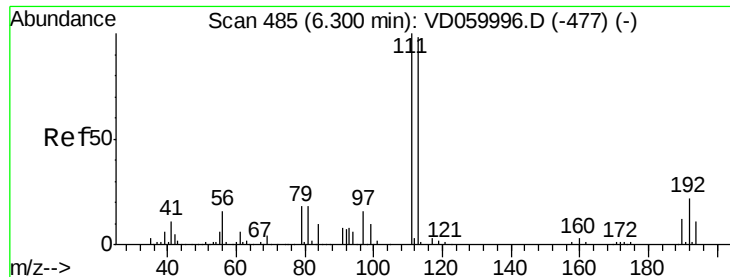


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

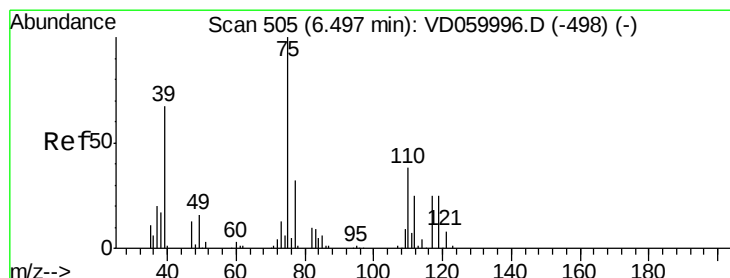
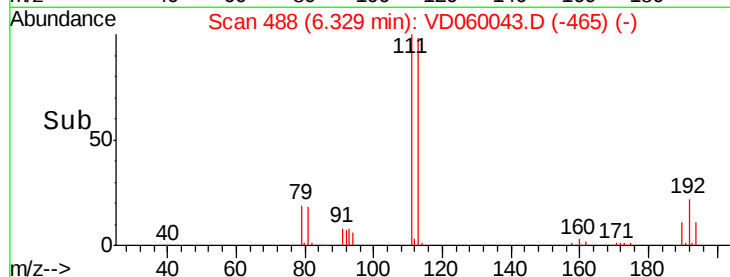
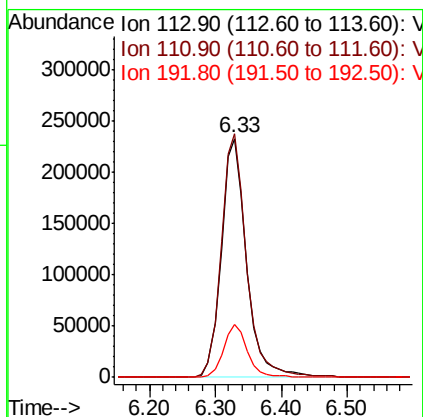
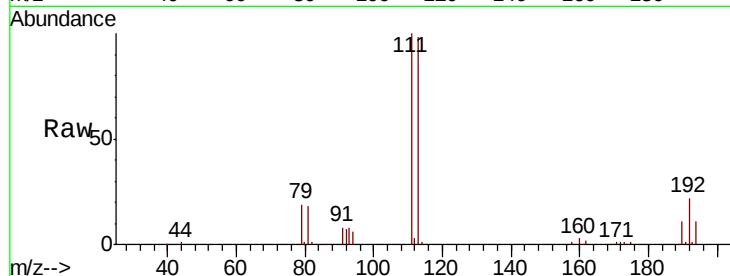




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VD060043.D
 Acq: 19 Sep 2018 16:15

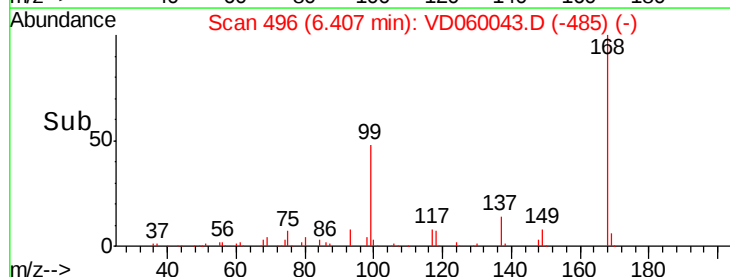
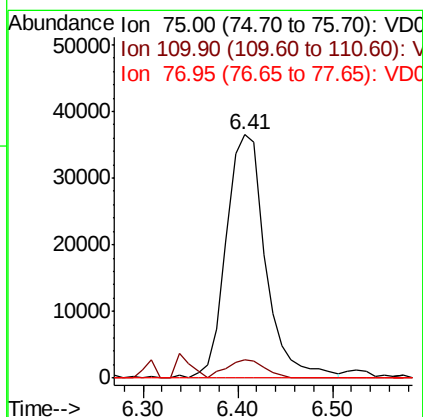
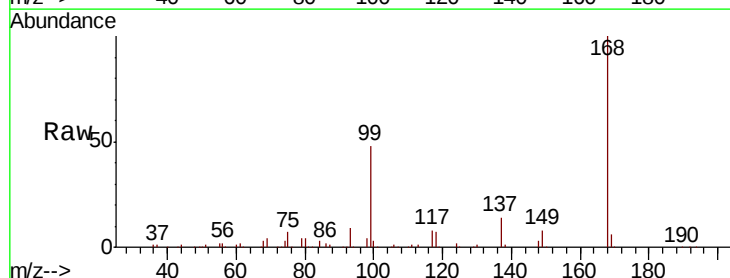
Instrument :
 MSVOA_D
 ClientSampleId :

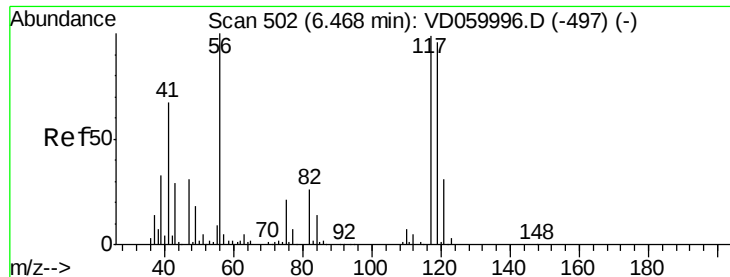
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.3	121.9
192	22.4	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 5.17 ug/l
 RT: 6.41 min Scan# 496
 Delta R.T. -0.09 min
 Lab File: VD060043.D
 Acq: 19 Sep 2018 16:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.5	18.9	56.9#
77	0.0	25.3	37.9#

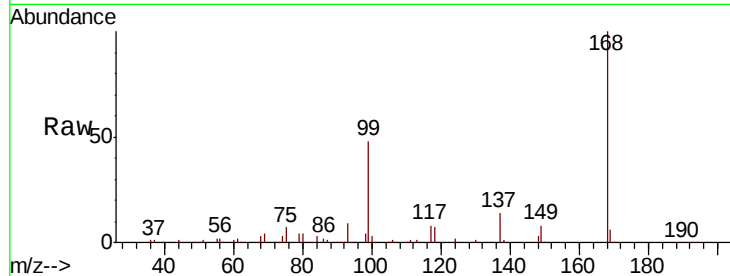




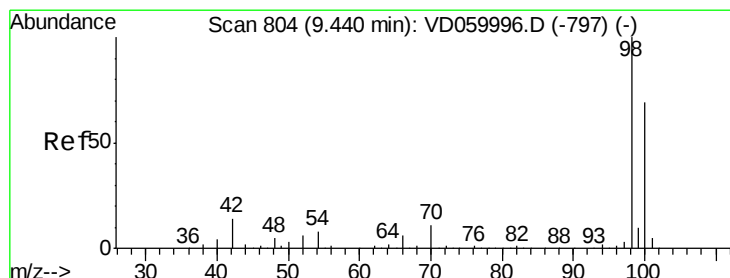
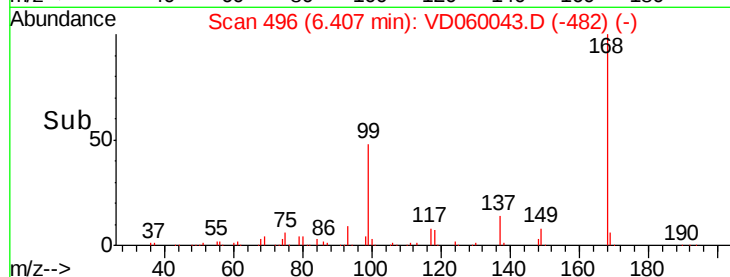
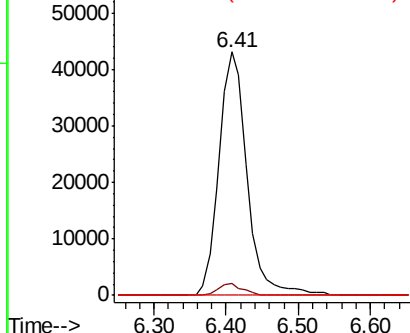
#38
Carbon Tetrachloride
Concen: 6.08 ug/l
RT: 6.41 min Scan# 496
Delta R.T. -0.06 min
Lab File: VD060043.D
Acq: 19 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 115446
Ion Ratio Lower Upper
117 100
119 4.9 76.7 115.1#
121 0.0 24.9 37.3#

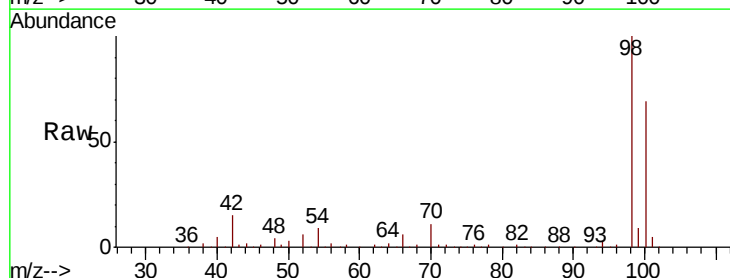


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

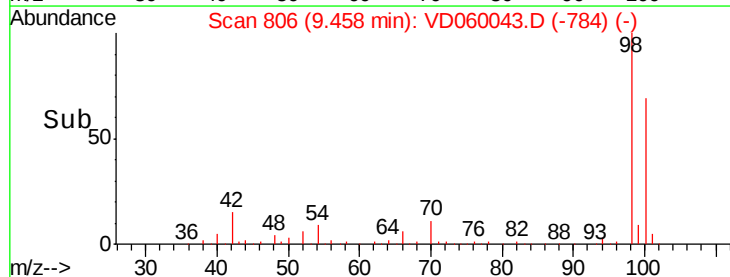
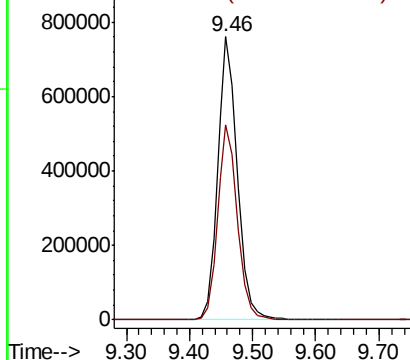


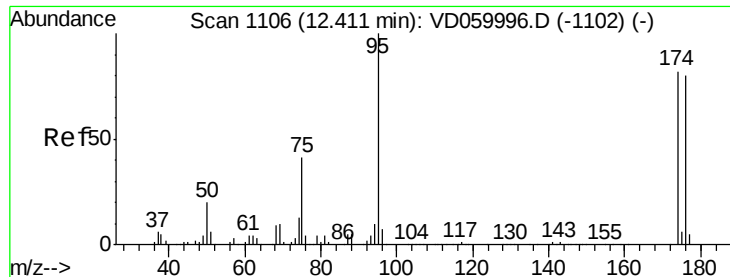
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060043.D
Acq: 19 Sep 2018 16:15

Tgt Ion: 98 Resp: 1657432
Ion Ratio Lower Upper
98 100
100 68.8 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): V
Ion 100.05 (99.75 to 100.75): V

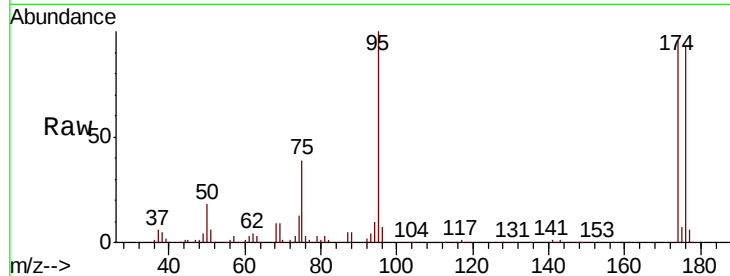




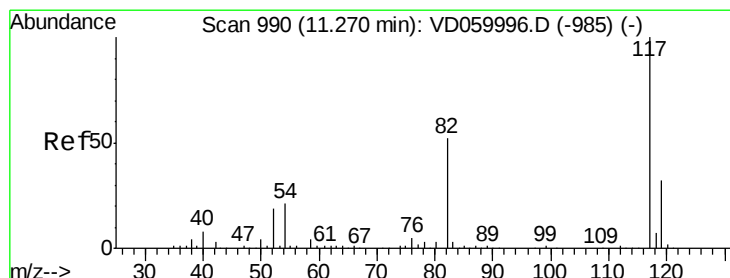
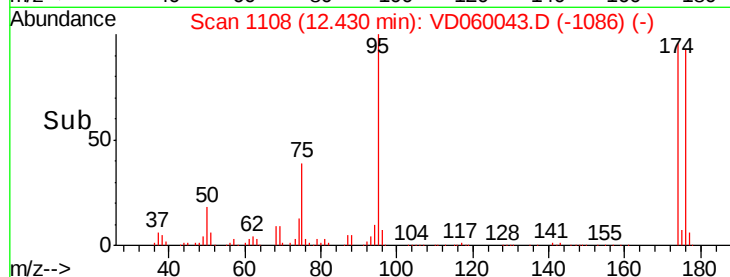
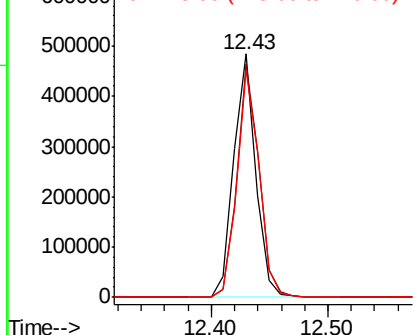
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. 0.02 min
Lab File: VD060043.D
Acq: 19 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 631761
Ion Ratio Lower Upper
95 100
174 95.9 0.0 165.0
176 93.0 0.0 160.2

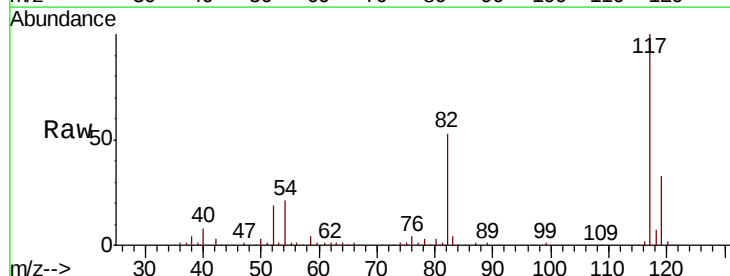


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

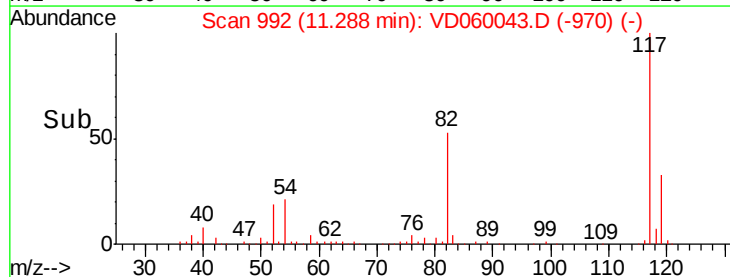
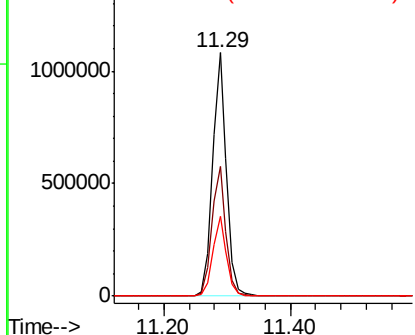


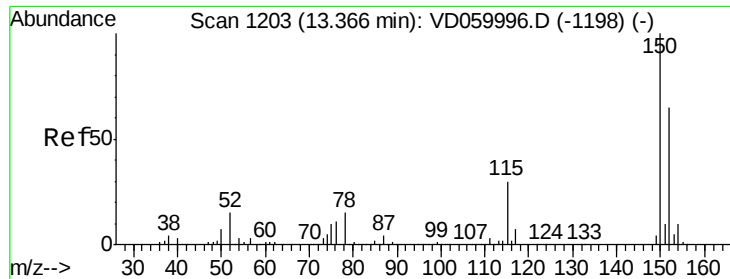
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060043.D
Acq: 19 Sep 2018 16:15

Tgt Ion: 117 Resp: 1676746
Ion Ratio Lower Upper
117 100
82 53.1 41.7 62.5
119 32.5 26.0 39.0



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: 50.00 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060043.D

Acq: 19 Sep 2018 16:15

Instrument :

MSVOA_D

ClientSampled :

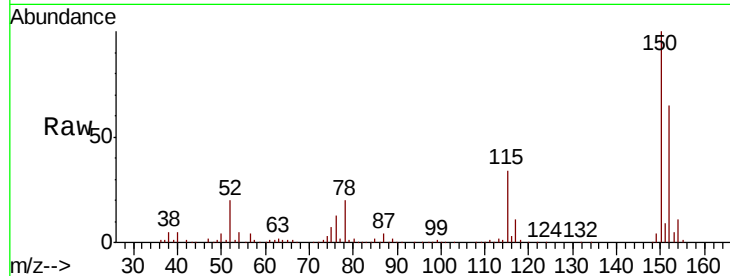
Tot Ion:152 Resp: 894683

Ion Ratio Lower Upper

152 100

115 52.2 24.6 73.8

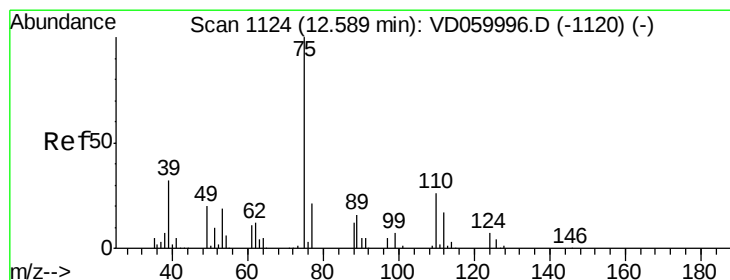
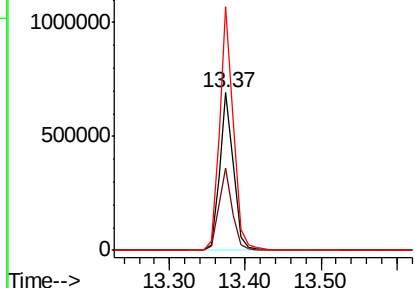
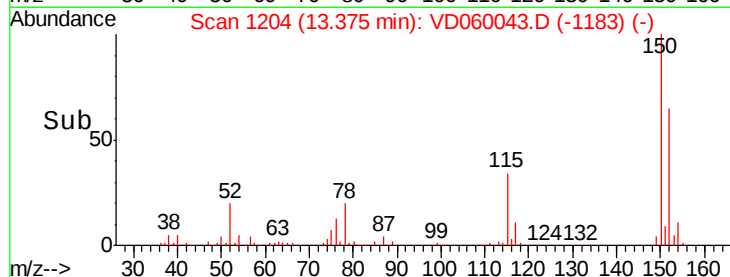
150 154.3 0.0 313.4



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



#76

1,2,3-Trichloropropane

Concen: 17.98 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.16 min

Lab File: VD060043.D

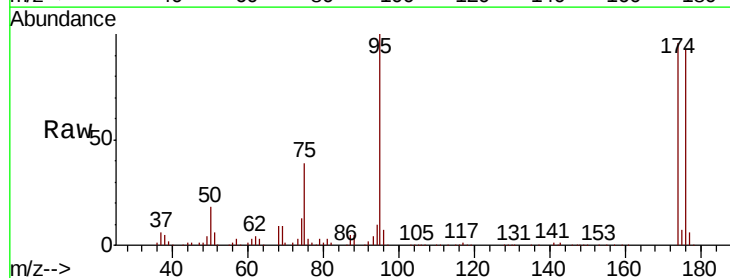
Acq: 19 Sep 2018 16:15

Tgt Ion: 75 Resp: 245733

Ion Ratio Lower Upper

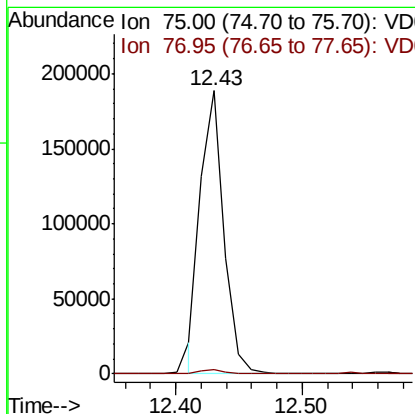
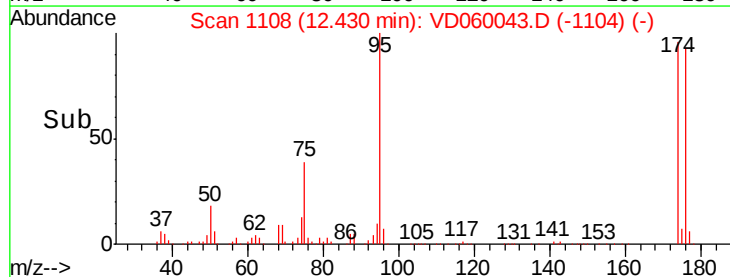
75 100

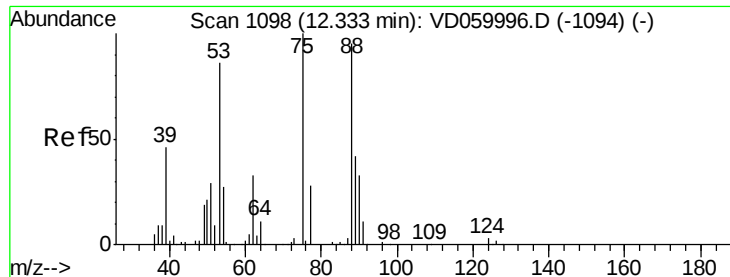
77 1.6 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 62.49 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.10 min

Lab File: VD060043.D

Acq: 19 Sep 2018 16:15

Instrument :

MSVOA_D

ClientSampleId :

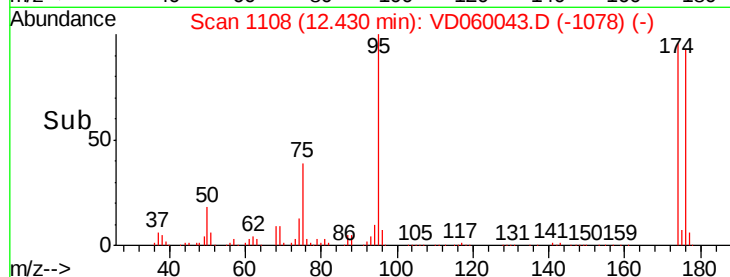
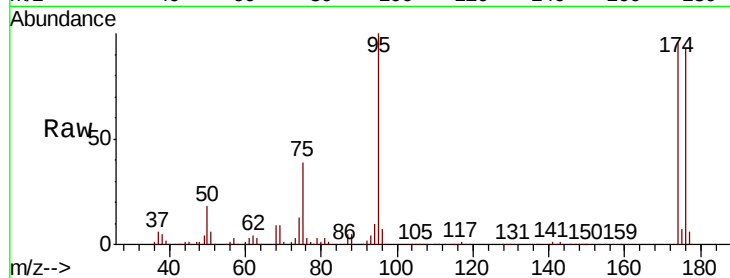
Tot Ion: 75 Resp: 257758

Ion Ratio Lower Upper

75 100

53 0.0 68.4 102.6#

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

