

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD091718\
 Data File : VD060027.D
 Acq On : 17 Sep 2018 17:59
 Operator : JC/SY
 Sample : J4940-01RE
 Misc : 5.68g/5ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-1RE

Quant Time: Sep 18 04:40:49 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

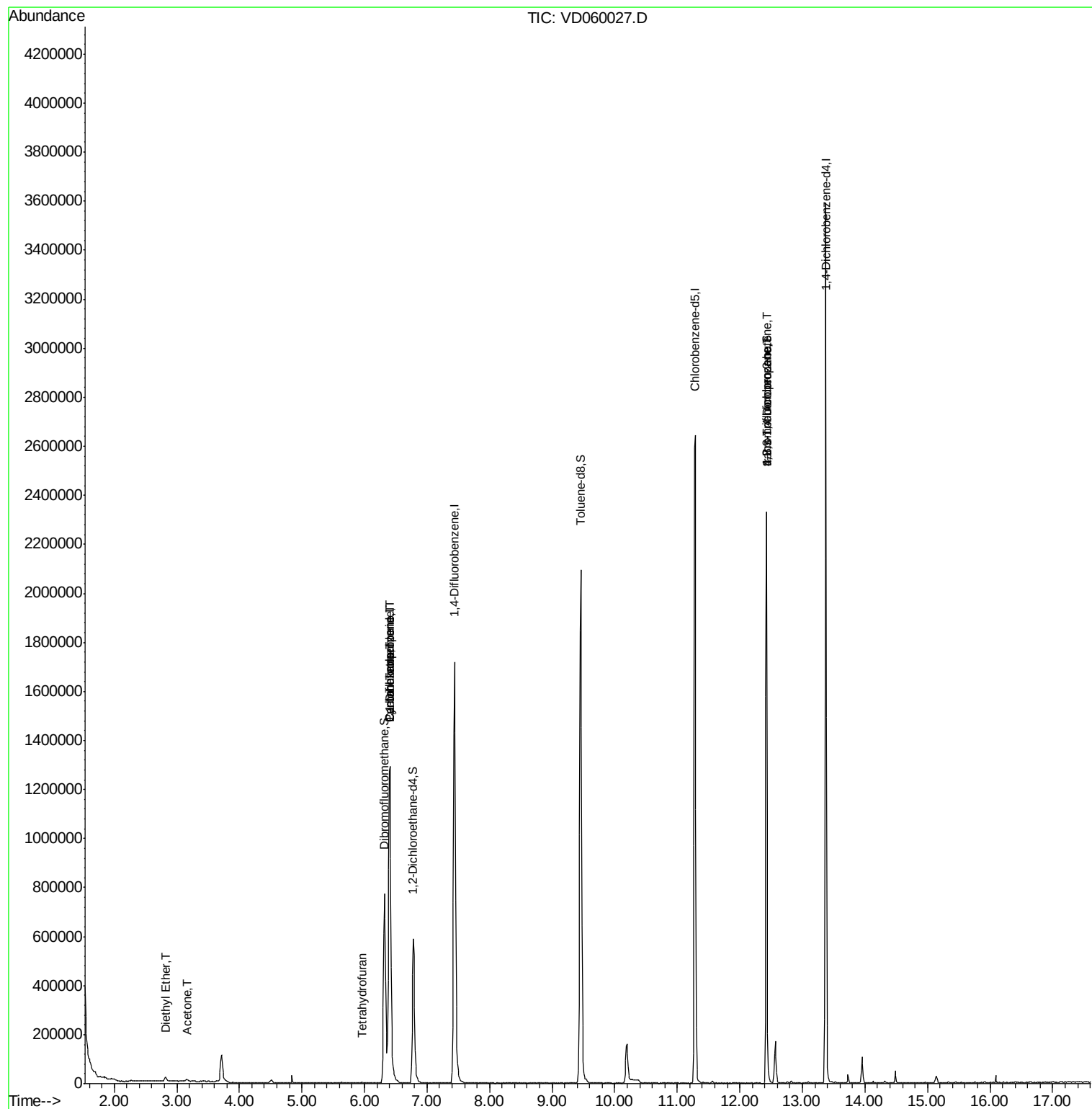
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1291728	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.44	114	1813361	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.29	117	1511613	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	785706	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.78	65	492194	48.86	ug/l	0.02
Spiked Amount	50.000		Recovery	=	97.72%	
35) Dibromofluoromethane	6.32	113	602193	42.51	ug/l	0.02
Spiked Amount	50.000		Recovery	=	85.02%	
50) Toluene-d8	9.46	98	1694963	43.17	ug/l	0.02
Spiked Amount	50.000		Recovery	=	86.34%	
62) 4-Bromofluorobenzene	12.43	95	660192	44.01	ug/l	0.02
Spiked Amount	50.000		Recovery	=	88.02%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.82	74	5622	2.481	ug/l	81
16) Acetone	3.16	43	15363	7.899	ug/l	98
20) Methylene Chloride	3.71	84	69008	Below Cal		94
29) Tetrahydrofuran	5.96	42	2890	1.027	ug/l #	53
31) Cyclohexane	6.39	56	25057	1.120	ug/l #	1
36) 1,1-Dichloropropene	6.39	75	93983	5.218	ug/l #	44
38) Carbon Tetrachloride	6.40	117	102161	6.076	ug/l #	16
51) 4-Methyl-2-Pentanone	9.34	43	625	Below Cal	#	42
59) 2-Hexanone	10.49	43	186	Below Cal	#	30
76) 1,2,3-Trichloropropane	12.43	75	257069	21.423	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.43	75	274254	75.712	ug/l #	15
89) n-Butylbenzene	13.65	91	841	Below Cal	#	80
91) 1,2-Dichlorobenzene	13.66	146	647	Below Cal		91

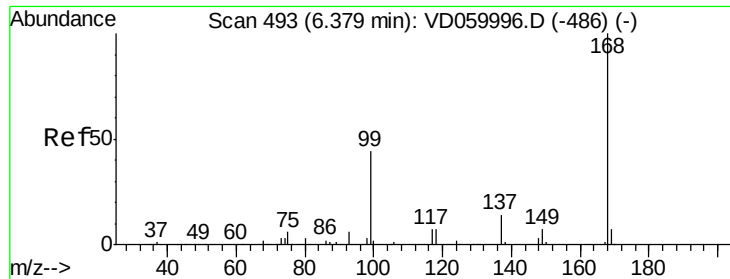
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. 0.03 min

Lab File: VD060027.D

Acq: 17 Sep 2018 17:59

Instrument :

MSVOA_D

ClientSampleId :

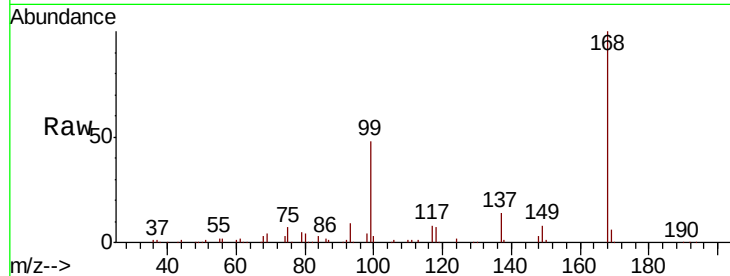
COMP-1RE

Tgt Ion:168 Resp: 1291728

Ion Ratio Lower Upper

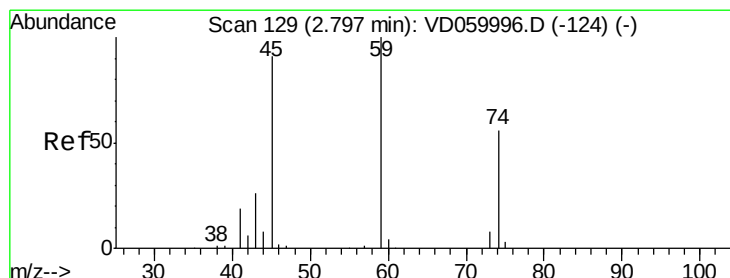
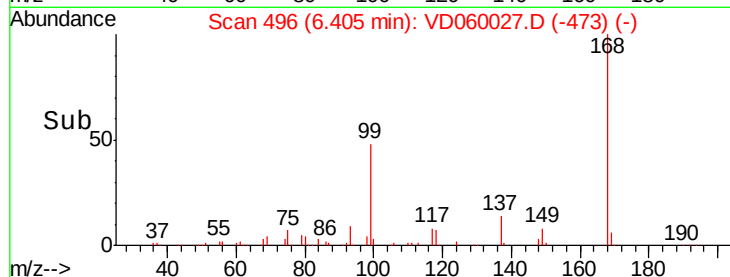
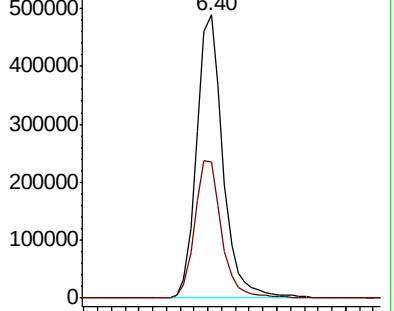
168 100

99 48.2 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 2.481 ug/l

RT: 2.82 min Scan# 132

Delta R.T. 0.03 min

Lab File: VD060027.D

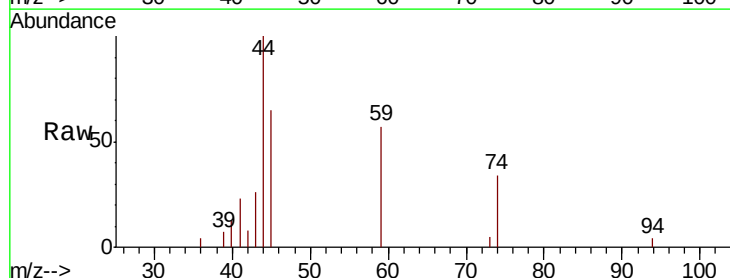
Acq: 17 Sep 2018 17:59

Tgt Ion: 74 Resp: 5622

Ion Ratio Lower Upper

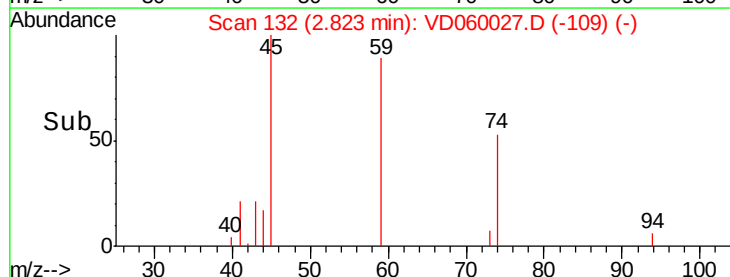
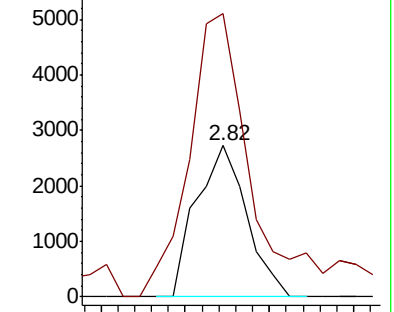
74 100

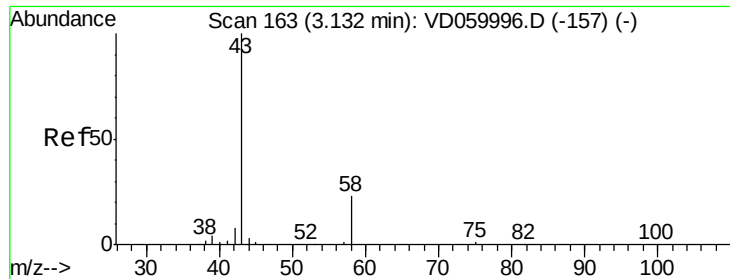
45 187.4 81.2 243.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 7.899 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.03 min

Lab File: VD060027.D

Acq: 17 Sep 2018 17:59

Instrument :

MSVOA_D

ClientSampleId :

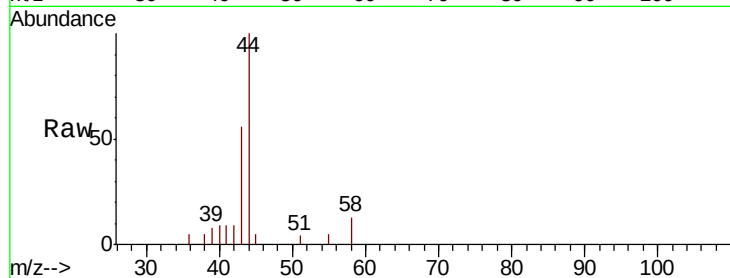
COMP-1RE

Tgt Ion: 43 Resp: 15363

Ion Ratio Lower Upper

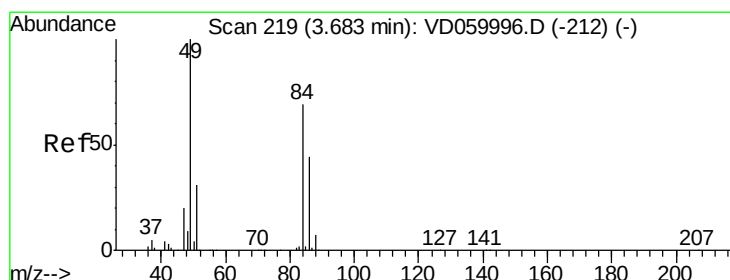
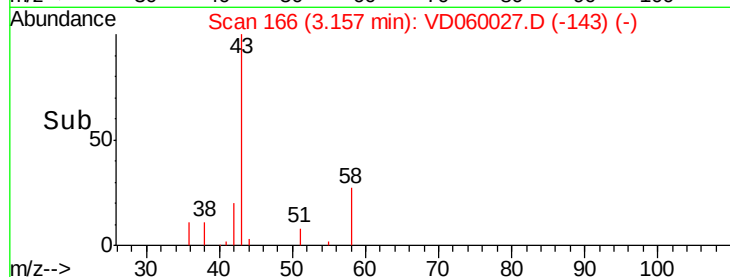
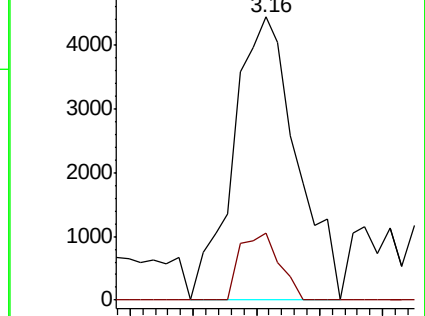
43 100

58 23.5 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: 3.71 min Scan# 222

Delta R.T. 0.03 min

Lab File: VD060027.D

Acq: 17 Sep 2018 17:59

Tgt Ion: 84 Resp: 69008

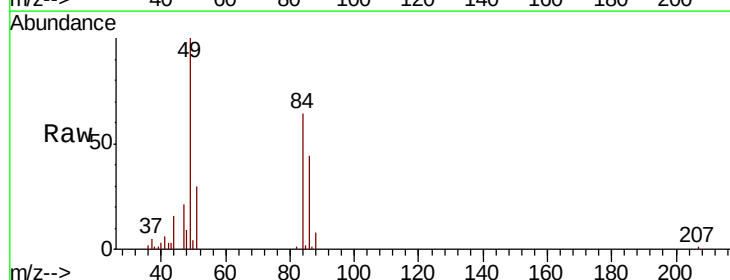
Ion Ratio Lower Upper

84 100

49 155.2 116.6 175.0

51 46.1 35.9 53.9

86 68.7 51.8 77.6

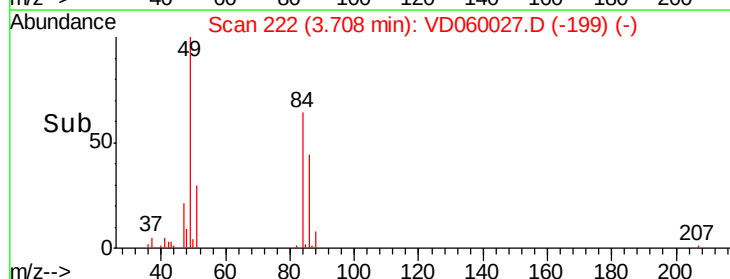
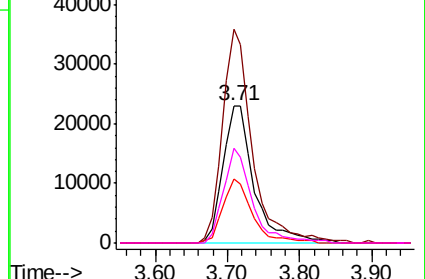


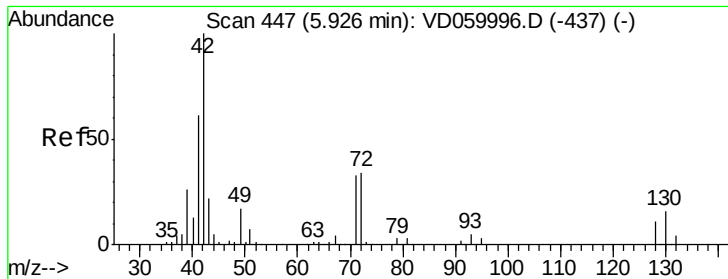
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

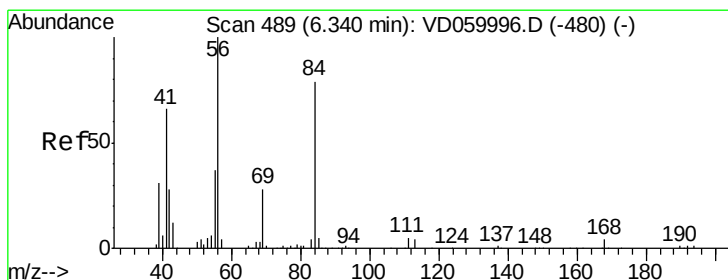
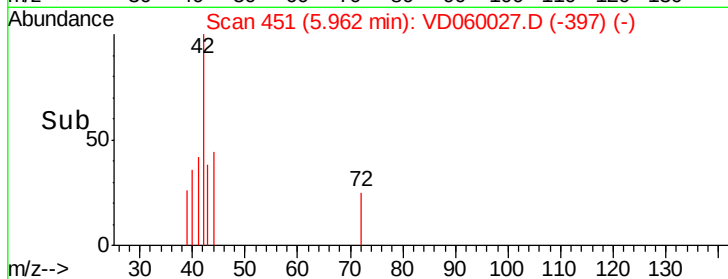
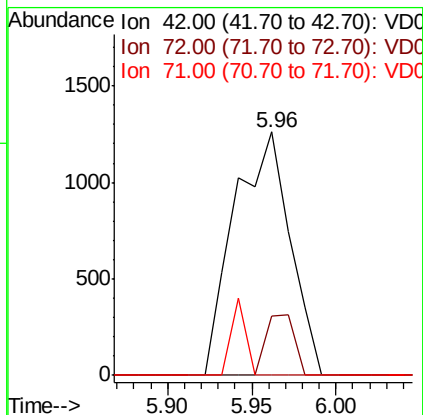
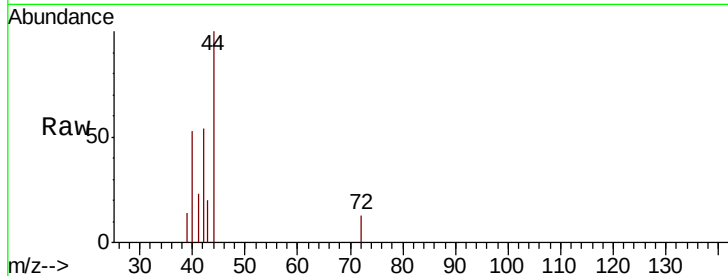




#29
Tetrahydrofuran
Concen: 1.027 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.04 min
Lab File: VD060027.D
Acq: 17 Sep 2018 17:59

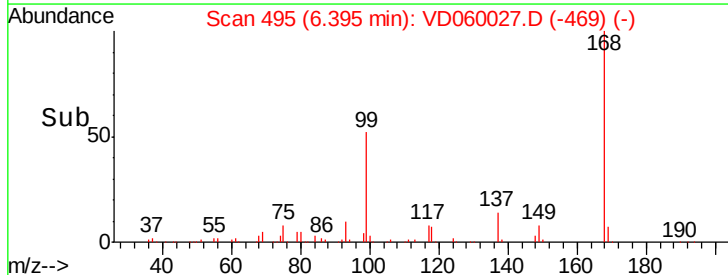
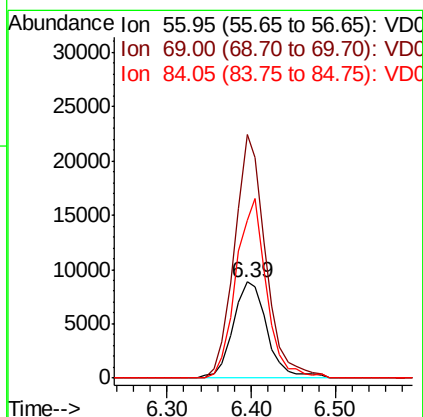
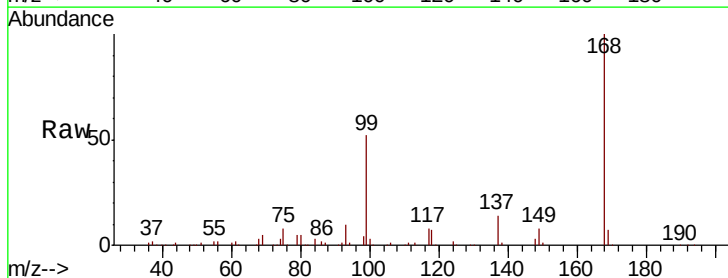
Instrument :
MSVOA_D
ClientSampleId :
COMP-1RE

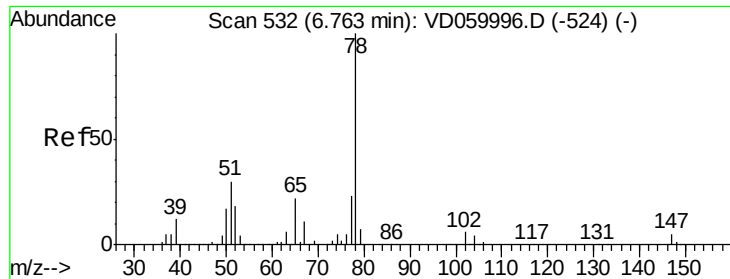
Tgt Ion: 42 Resp: 2890
Ion Ratio Lower Upper
42 100
72 12.7 26.9 40.3#
71 0.0 26.2 39.4#



#31
Cyclohexane
Concen: 1.120 ug/l
RT: 6.39 min Scan# 495
Delta R.T. 0.06 min
Lab File: VD060027.D
Acq: 17 Sep 2018 17:59

Tgt Ion: 56 Resp: 25057
Ion Ratio Lower Upper
56 100
69 253.0 22.7 34.1#
84 163.5 64.0 96.0#

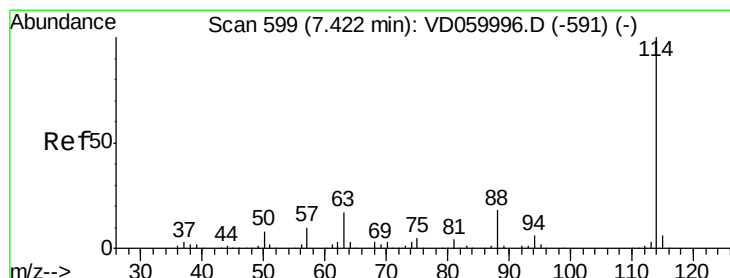
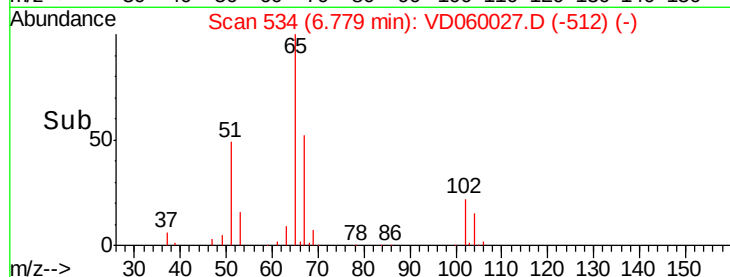
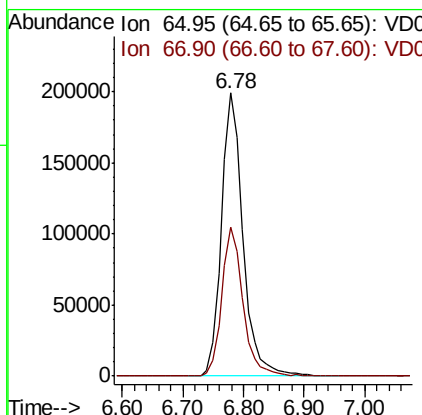
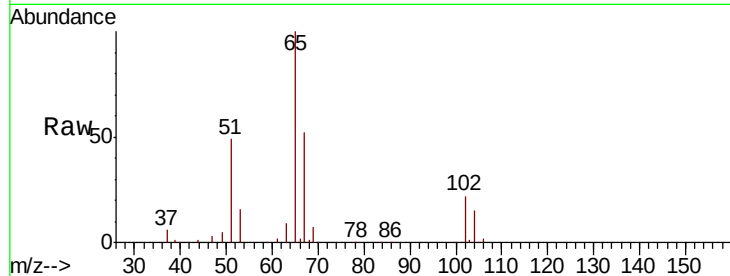




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VD060027.D
 Acq: 17 Sep 2018 17:59

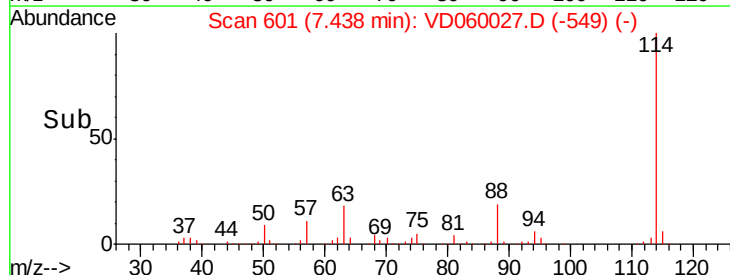
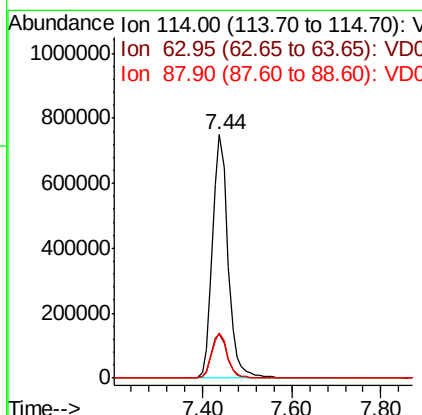
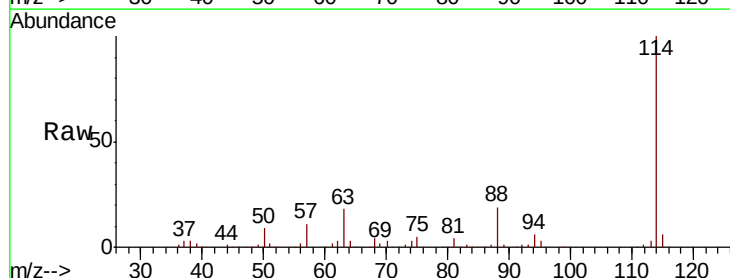
Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-1RE

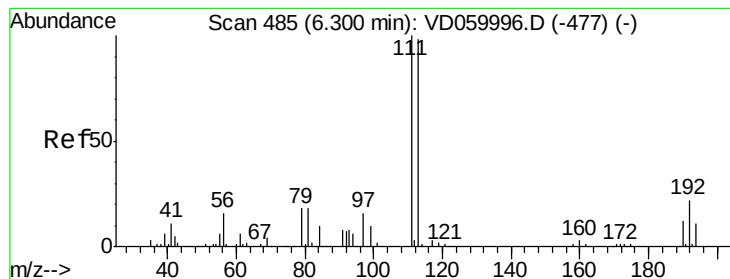
Tgt Ion: 65 Resp: 492194
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.02 min
 Lab File: VD060027.D
 Acq: 17 Sep 2018 17:59

Tgt Ion: 114 Resp: 1813361
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 34.4
 88 18.7 0.0 35.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 487

Delta R.T. 0.02 min

Lab File: VD060027.D

Acq: 17 Sep 2018 17:59

Instrument :

MSVOA_D

ClientSampleId :

COMP-1RE

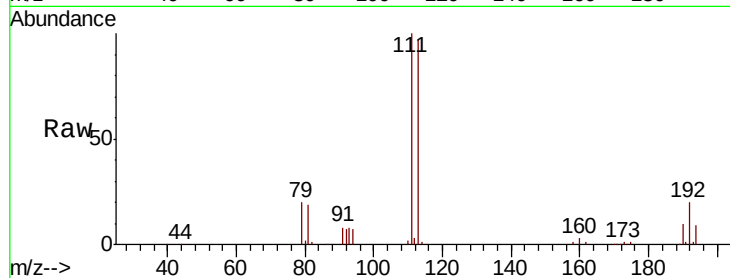
Tgt Ion: 113 Resp: 602193

Ion Ratio Lower Upper

113 100

111 103.3 81.3 121.9

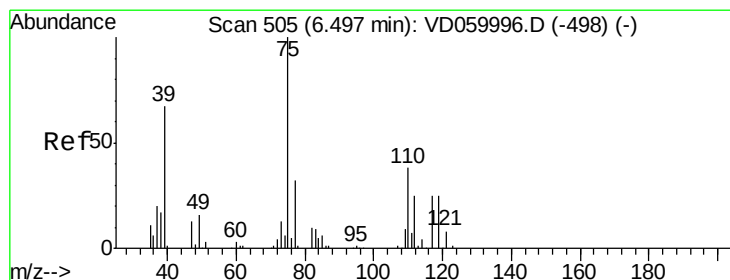
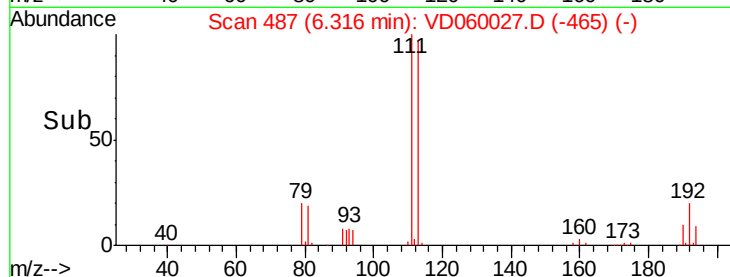
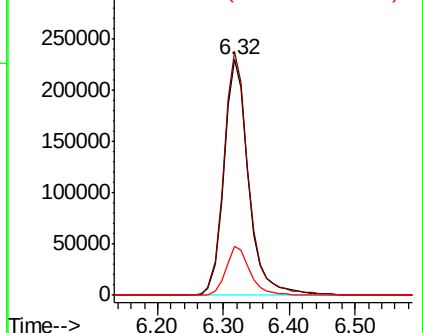
192 20.9 18.1 27.1



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



#36

1,1-Dichloropropene

Concen: 5.218 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.10 min

Lab File: VD060027.D

Acq: 17 Sep 2018 17:59

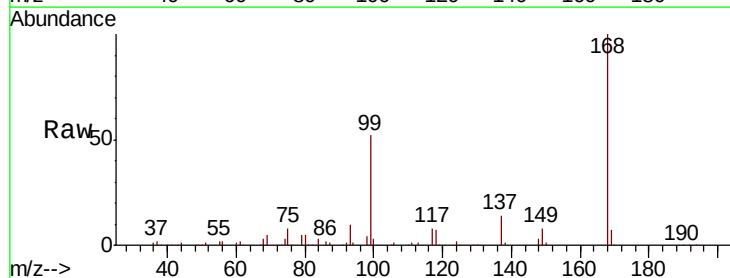
Tgt Ion: 75 Resp: 93983

Ion Ratio Lower Upper

75 100

110 5.2 18.9 56.9#

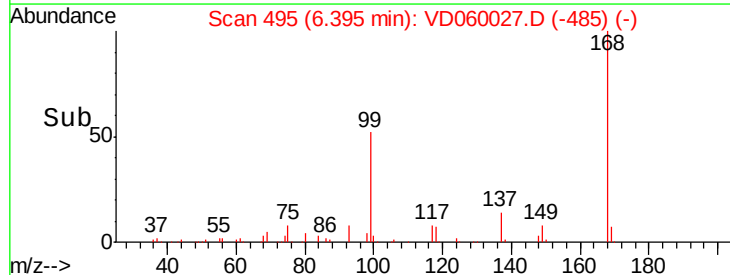
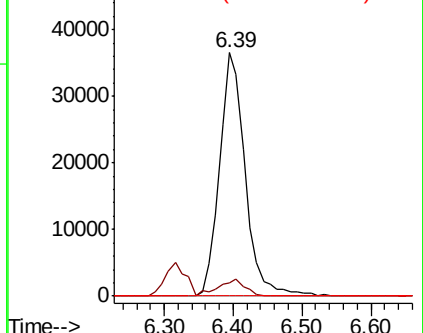
77 0.0 25.3 37.9#

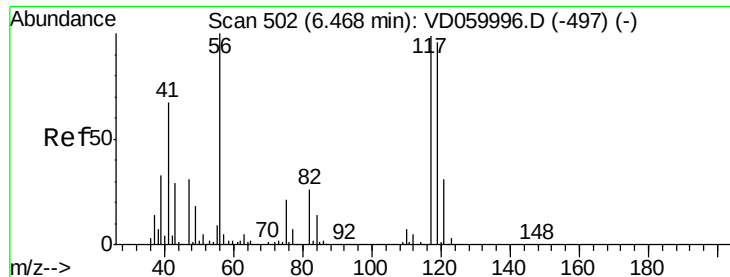


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 6.076 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.06 min

Lab File: VD060027.D

Acq: 17 Sep 2018 17:59

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ClientSampleId :

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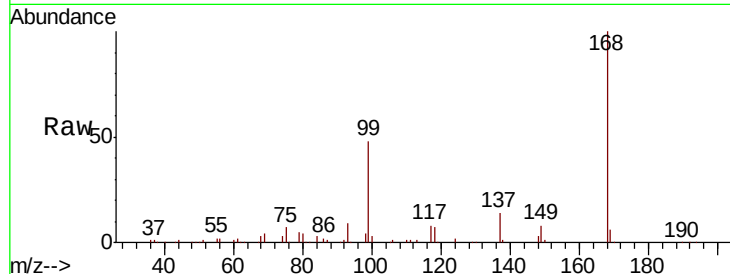
Tgt Ion:117 Resp: 102161

Ion Ratio Lower Upper

117 100

119 4.7 76.7 115.1#

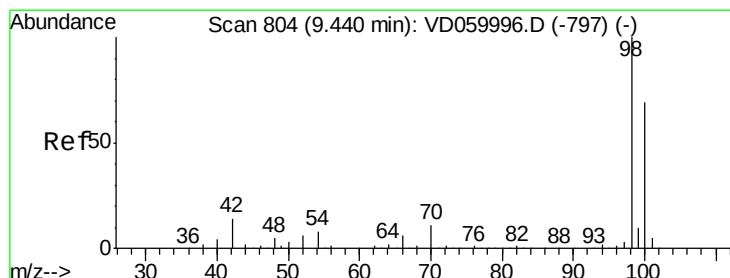
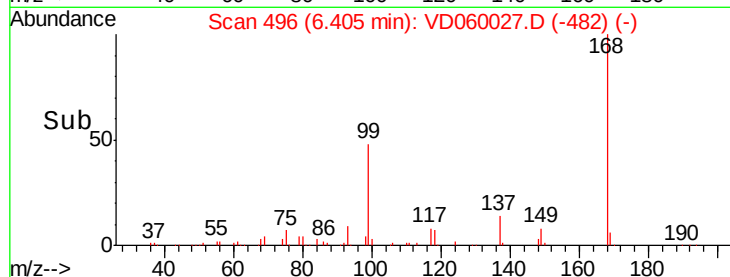
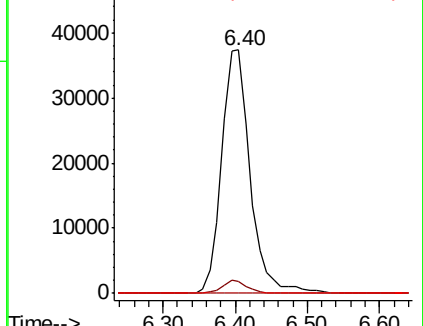
121 0.0 24.9 37.3#



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: VD060027.D

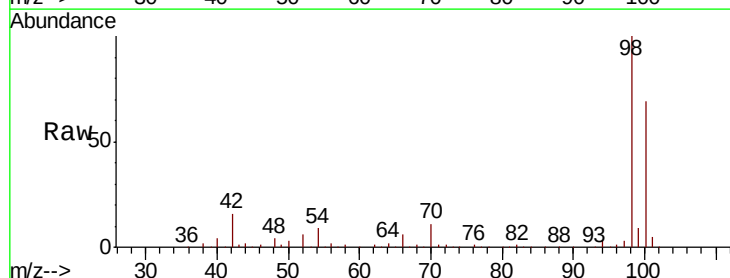
Acq: 17 Sep 2018 17:59

Tgt Ion: 98 Resp: 1694963

Ion Ratio Lower Upper

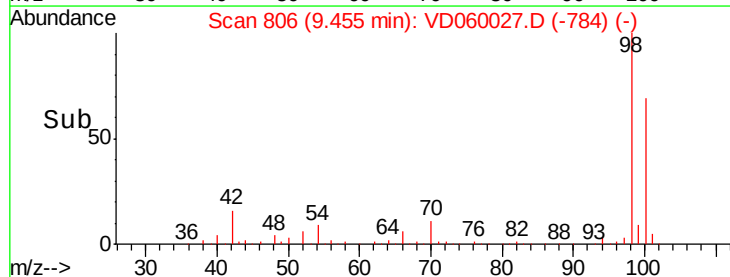
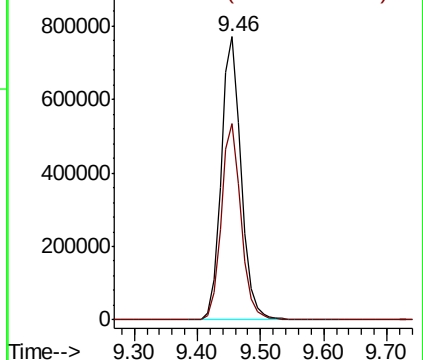
98 100

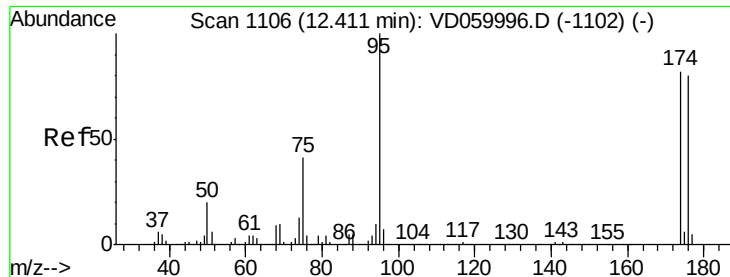
100 69.2 55.8 83.6



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: VD060027.D

Acq: 17 Sep 2018 17:59

Instrument :

MSVOA_D

ClientSampleId :

COMP-1RE

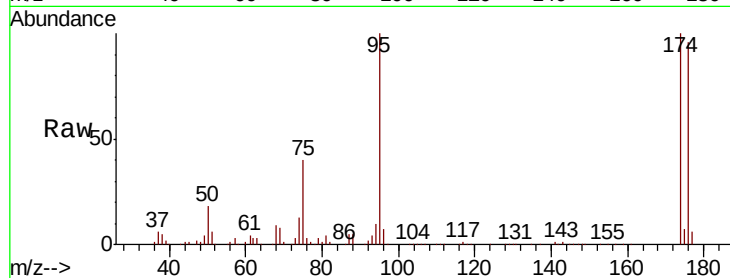
Tgt Ion: 95 Resp: 660192

Ion Ratio Lower Upper

95 100

174 100.2 0.0 165.0

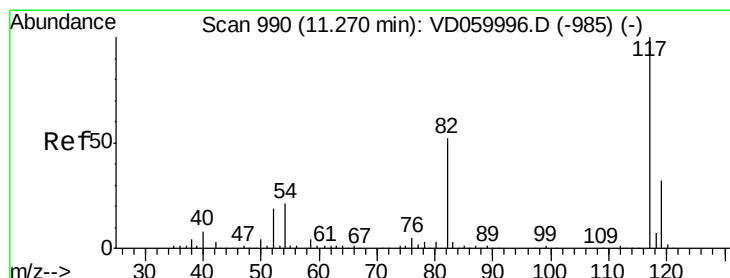
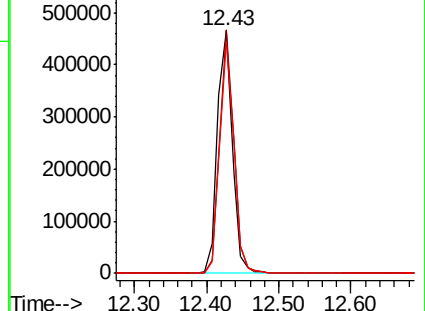
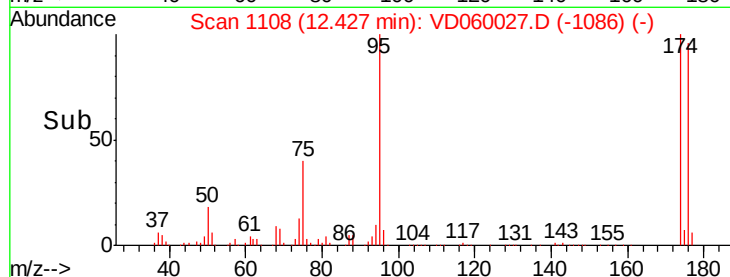
176 95.8 0.0 160.2



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: 50.000 ug/l

RT: 11.29 min Scan# 992

Delta R.T. 0.02 min

Lab File: VD060027.D

Acq: 17 Sep 2018 17:59

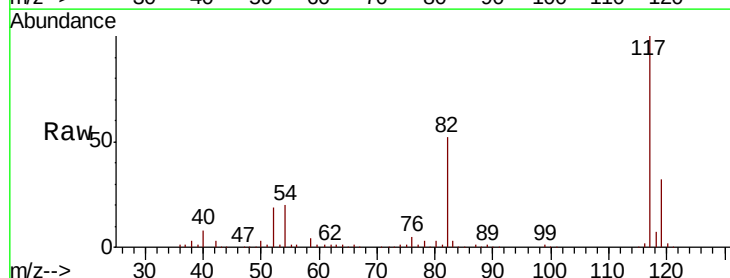
Tgt Ion: 117 Resp: 1511613

Ion Ratio Lower Upper

117 100

82 52.4 41.7 62.5

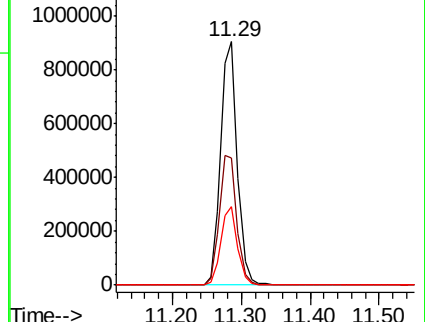
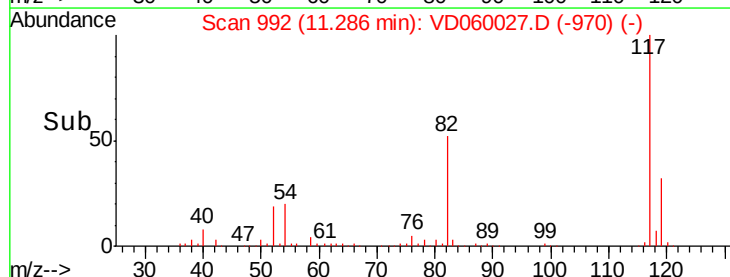
119 32.4 26.0 39.0

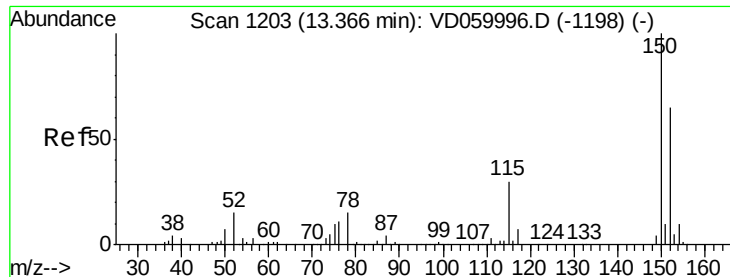


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060027.D

Acq: 17 Sep 2018 17:59

Instrument :

MSVOA_D

ClientSampleId :

COMP-1RE

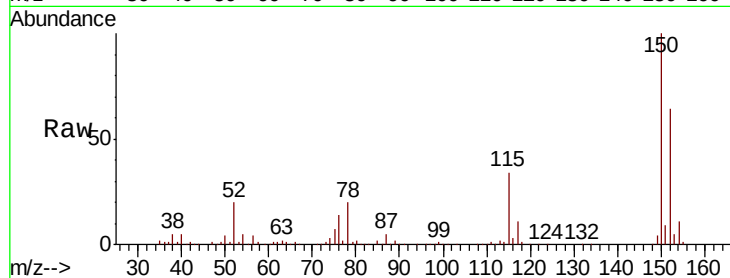
Tgt Ion:152 Resp: 785706

Ion Ratio Lower Upper

152 100

115 53.4 24.6 73.8

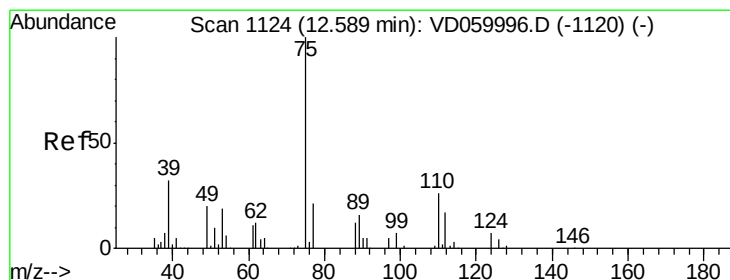
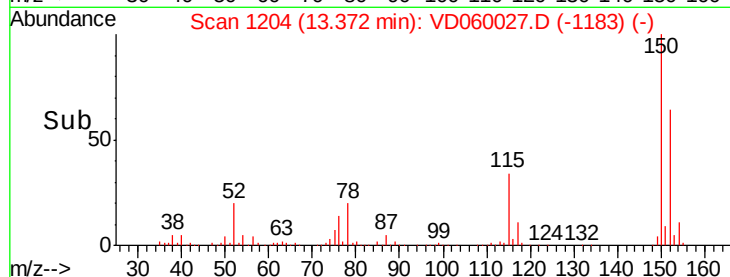
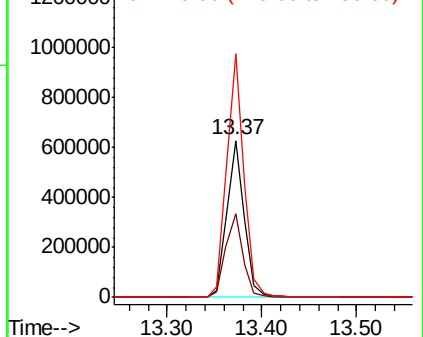
150 155.2 0.0 313.4



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: 21.423 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.16 min

Lab File: VD060027.D

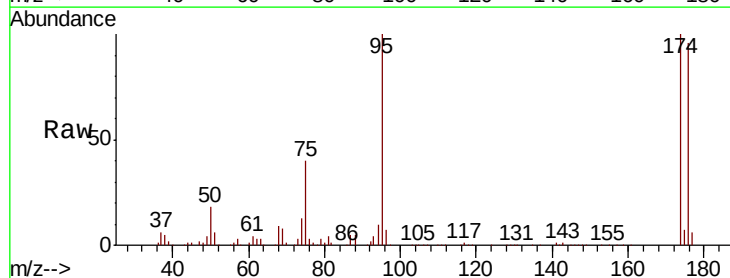
Acq: 17 Sep 2018 17:59

Tgt Ion: 75 Resp: 257069

Ion Ratio Lower Upper

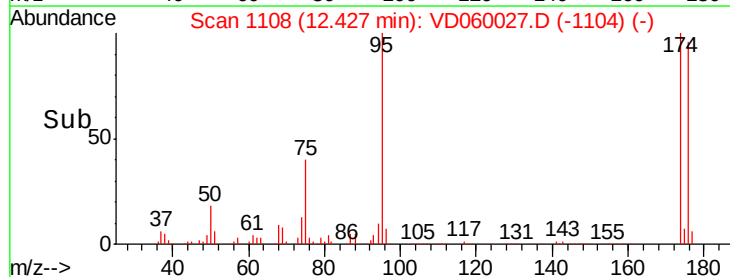
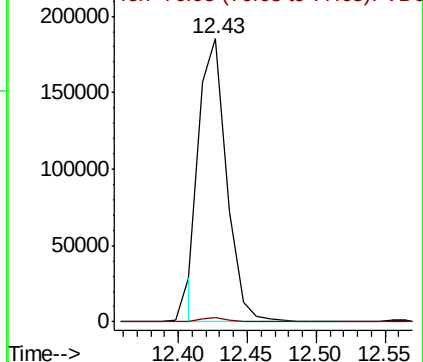
75 100

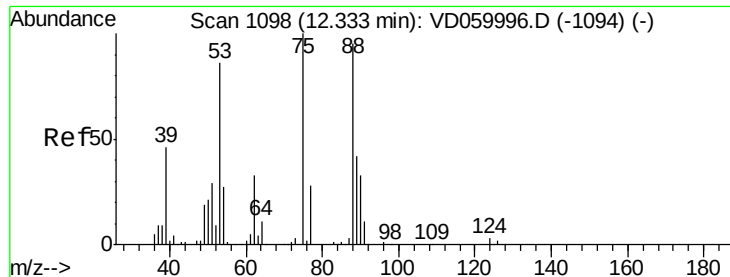
77 1.5 16.4 49.4#



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: 75.712 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.09 min

Lab File: VD060027.D

Acq: 17 Sep 2018 17:59

Instrument :

MSVOA_D

ClientSampleId :

COMP-1RE

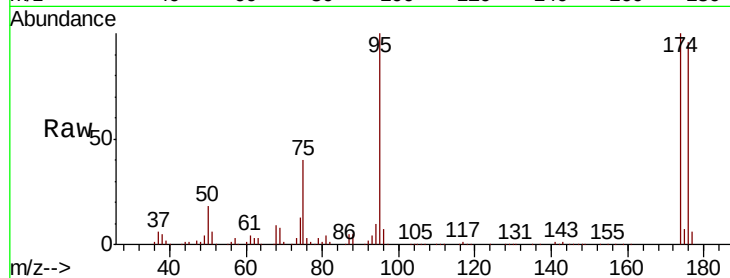
Tgt Ion: 75 Resp: 274254

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

