

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102518\
 Data File : VD060206.D
 Acq On : 25 Oct 2018 20:27
 Operator : JC/SY
 Sample : J5683-01
 Misc : 4.24g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-SAMPLE

Quant Time: Oct 26 03:44:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1491221	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2118288	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1733623	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	840720	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	700771	62.00	ug/l	0.02
Spiked Amount			Recovery	=	124.00%	
35) Dibromofluoromethane	6.31	113	854766	53.14	ug/l	0.02
Spiked Amount			Recovery	=	106.28%	
50) Toluene-d8	9.45	98	2293931	50.01	ug/l	0.02
Spiked Amount			Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.43	95	839696	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	

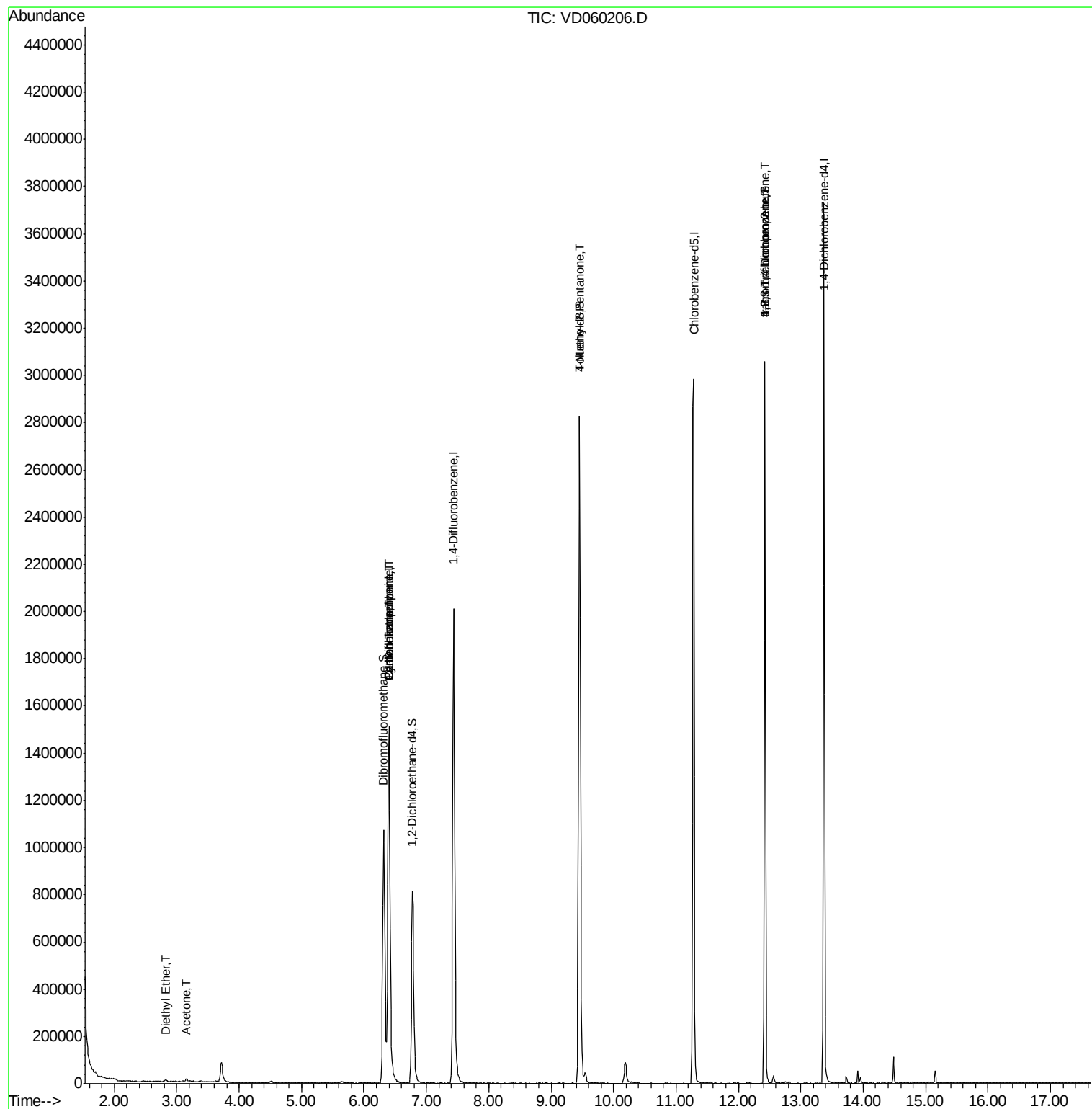
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.82	74	3459	1.357	ug/l	77
16) Acetone	3.15	43	25714	12.537	ug/l	93
20) Methylene Chloride	3.72	84	54517	Below Cal		97
31) Cyclohexane	6.39	56	27305	1.115	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	107113	5.292	ug/l #	47
38) Carbon Tetrachloride	6.40	117	117551	6.398	ug/l #	15
51) 4-Methyl-2-Pentanone	9.45	43	13526	1.213	ug/l #	1
76) 1,2,3-Trichloropropane	12.43	75	323683	26.734	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.43	75	344309	101.207	ug/l #	13

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

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Quant Time: Oct 26 03:44:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060206.D

Acq: 25 Oct 2018 20:27

Instrument :

MSVOA_D

ClientSampleId :

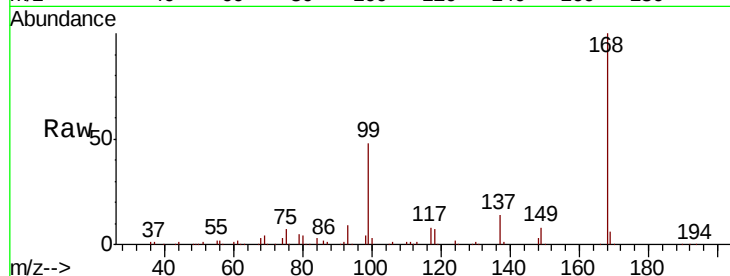
SP-SAMPLE

Tot Ion:168 Resp: 1491221

Ion Ratio Lower Upper

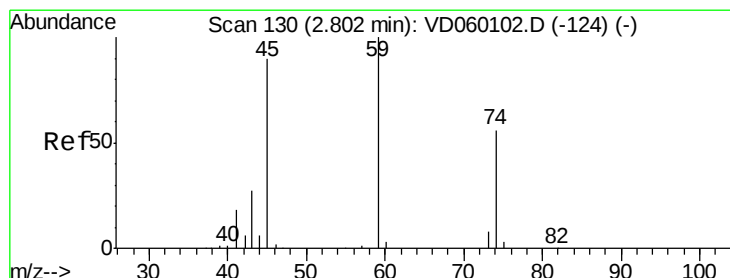
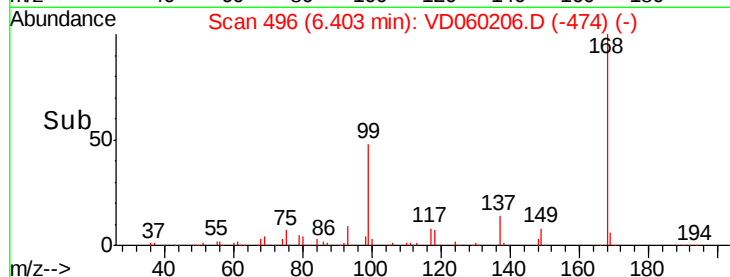
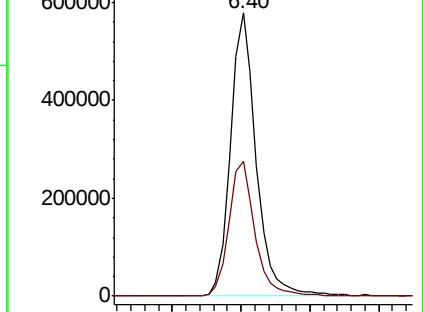
168 100

99 47.6 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.357 ug/l

RT: 2.82 min Scan# 132

Delta R.T. 0.02 min

Lab File: VD060206.D

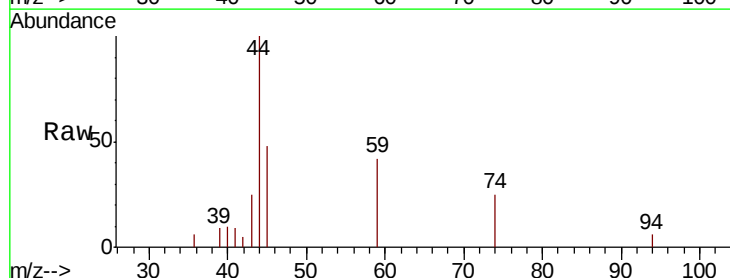
Acq: 25 Oct 2018 20:27

Tgt Ion: 74 Resp: 3459

Ion Ratio Lower Upper

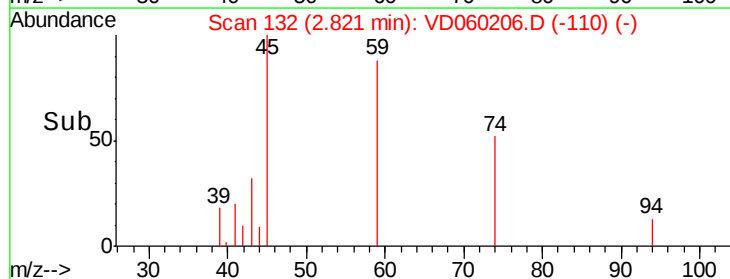
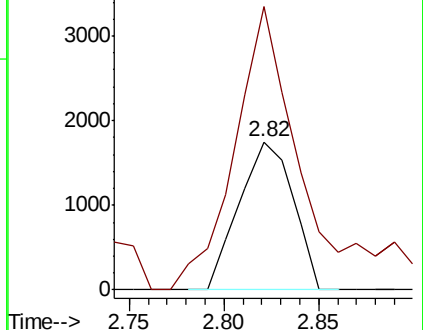
74 100

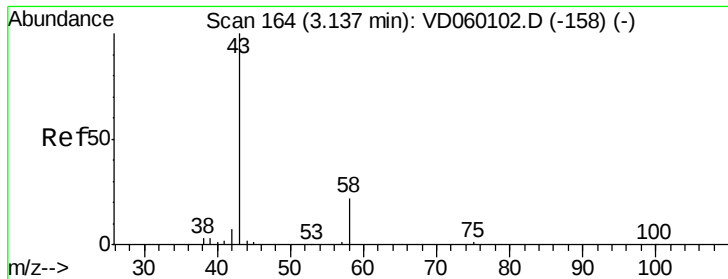
45 191.4 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 12.537 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD060206.D

Acq: 25 Oct 2018 20:27

Instrument :

MSVOA_D

ClientSampleId :

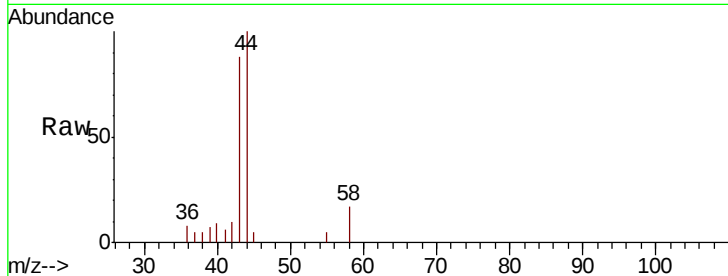
SP-SAMPLE

Tot Ion: 43 Resp: 25714

Ion Ratio Lower Upper

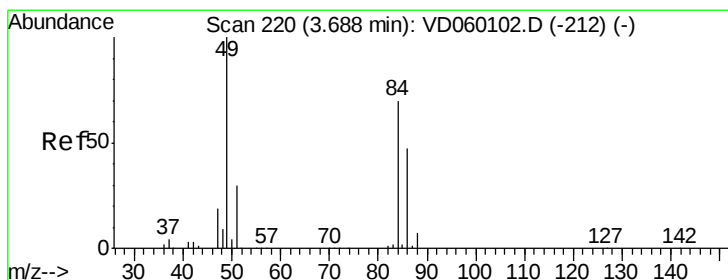
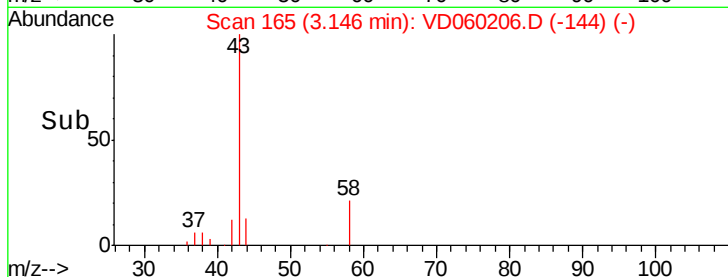
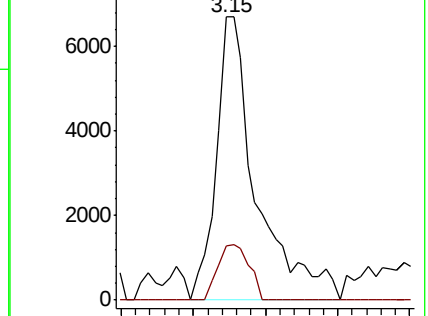
43 100

58 19.0 17.7 26.5



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. 0.03 min

Lab File: VD060206.D

Acq: 25 Oct 2018 20:27

Tgt Ion: 84 Resp: 54517

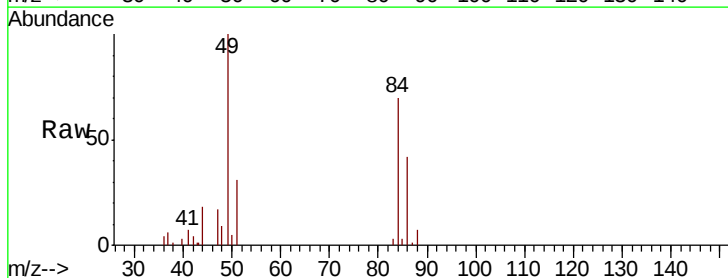
Ion Ratio Lower Upper

84 100

49 142.5 114.6 172.0

51 43.6 33.8 50.8

86 60.4 53.3 79.9

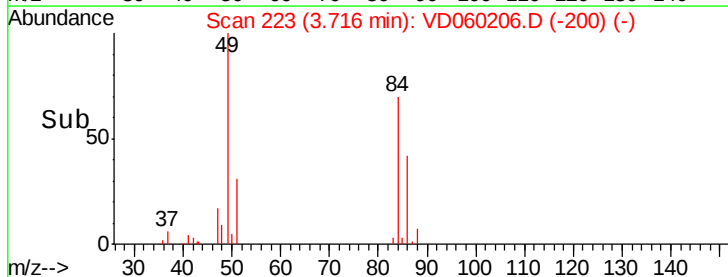
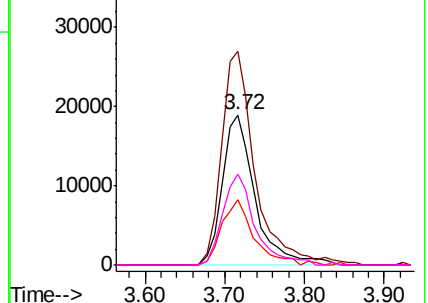


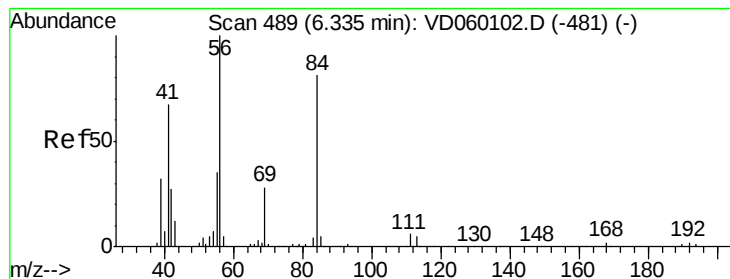
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.115 ug/l

RT: 6.39 min Scan# 495

Delta R.T. 0.06 min

Lab File: VD060206.D

Acq: 25 Oct 2018 20:27

Instrument :

MSVOA_D

ClientSampleId :

SP-SAMPLE

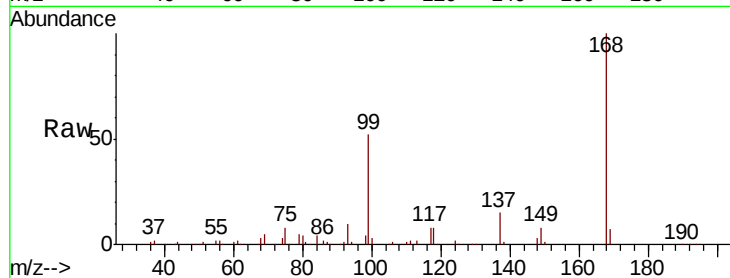
Tot Ion: 56 Resp: 27305

Ion Ratio Lower Upper

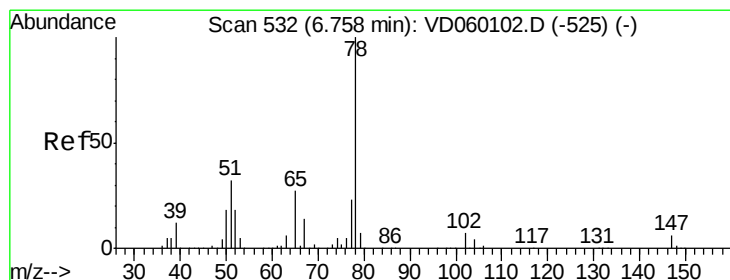
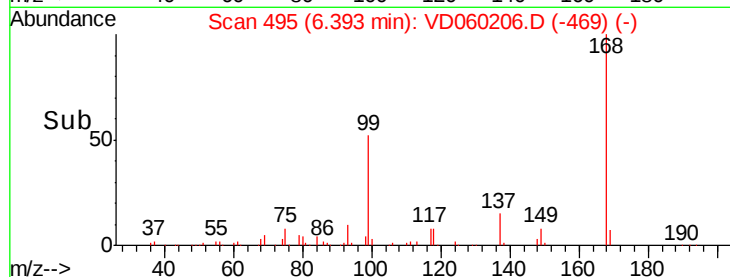
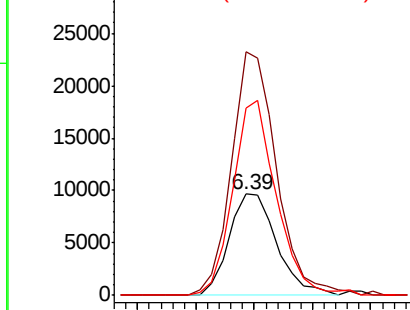
56 100

69 240.3 22.8 34.2#

84 184.4 64.9 97.3#



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: 6.78 min Scan# 534

Delta R.T. 0.02 min

Lab File: VD060206.D

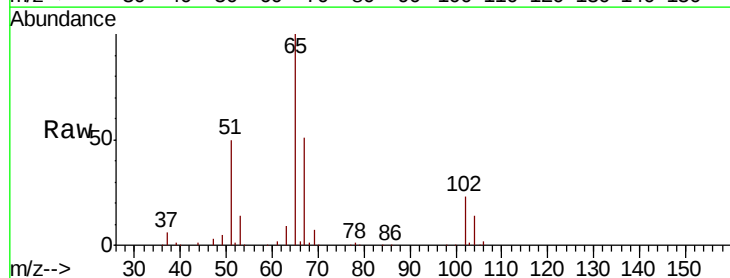
Acq: 25 Oct 2018 20:27

Tgt Ion: 65 Resp: 700771

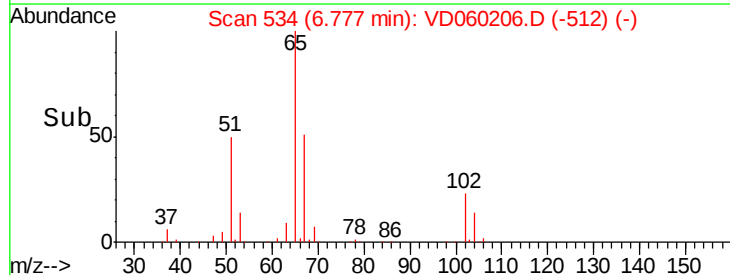
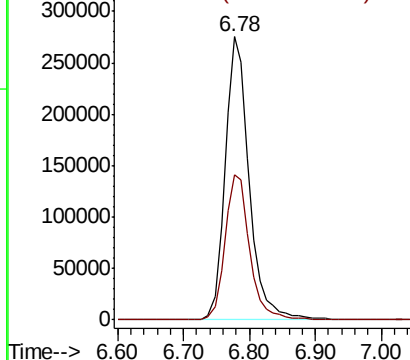
Ion Ratio Lower Upper

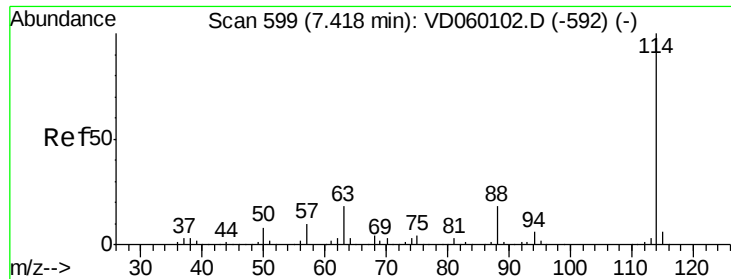
65 100

67 51.4 0.0 106.2



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

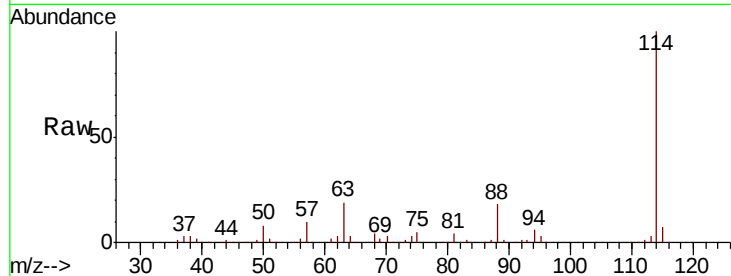




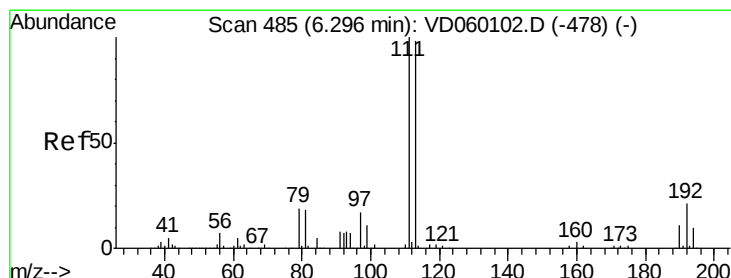
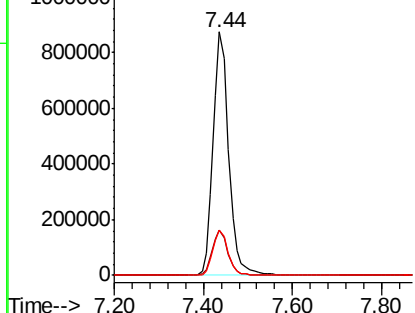
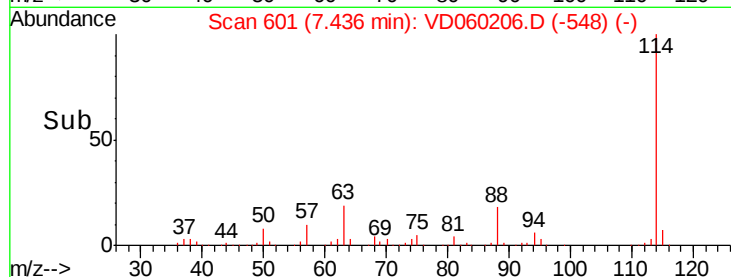
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.02 min
 Lab File: VD060206.D
 Acq: 25 Oct 2018 20:27

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-SAMPLE

Tot Ion:114 Resp: 2118288
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 36.0
 88 18.4 0.0 36.2

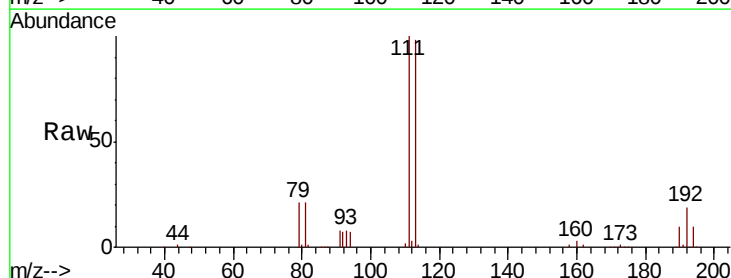


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

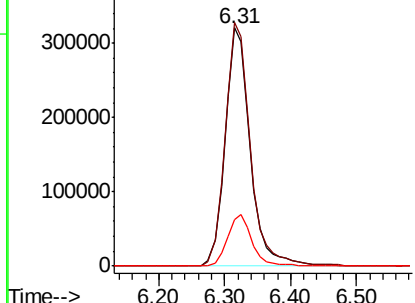
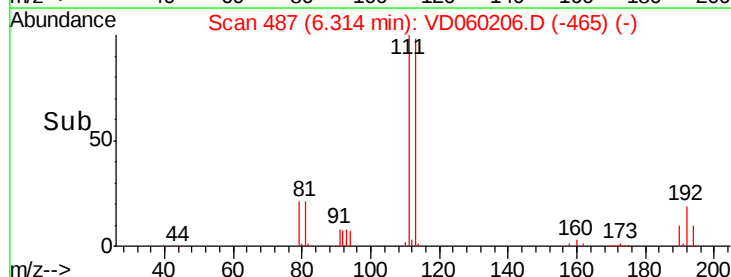


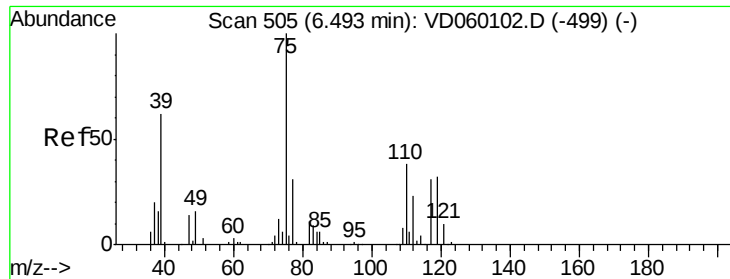
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 487
 Delta R.T. 0.02 min
 Lab File: VD060206.D
 Acq: 25 Oct 2018 20:27

Tgt Ion:113 Resp: 854766
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.5 122.3
 192 19.4 17.4 26.0



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





#36

1,1-Dichloropropene

Concen: 5.292 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.09 min

Lab File: VD060206.D

Acq: 25 Oct 2018 20:27

Instrument :

MSVOA_D

ClientSampled :

SP-SAMPLE

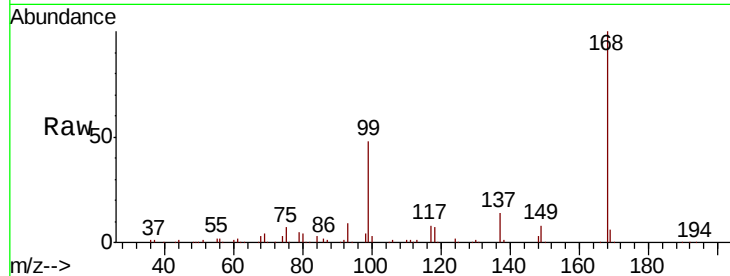
Tot Ion: 75 Resp: 107113

Ion Ratio Lower Upper

75 100

110 7.4 19.0 57.0#

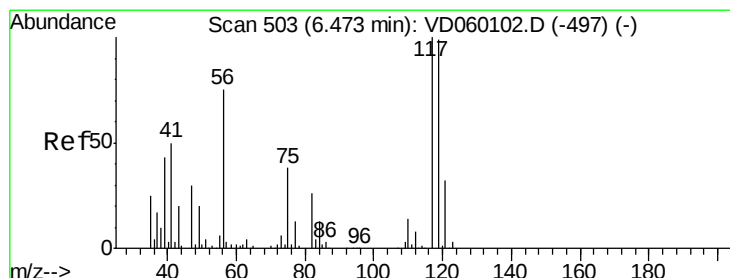
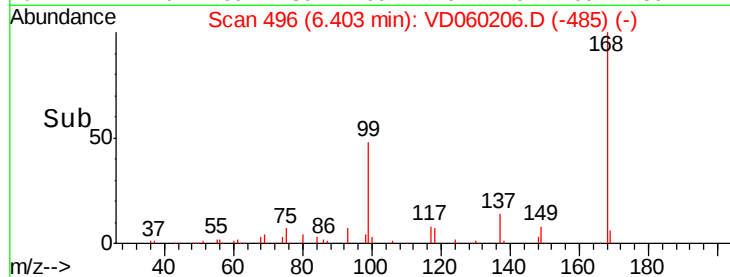
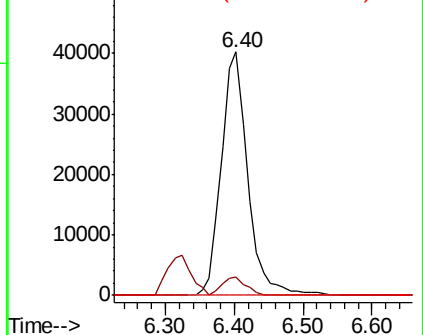
77 0.0 24.9 37.3#



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: 6.398 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.07 min

Lab File: VD060206.D

Acq: 25 Oct 2018 20:27

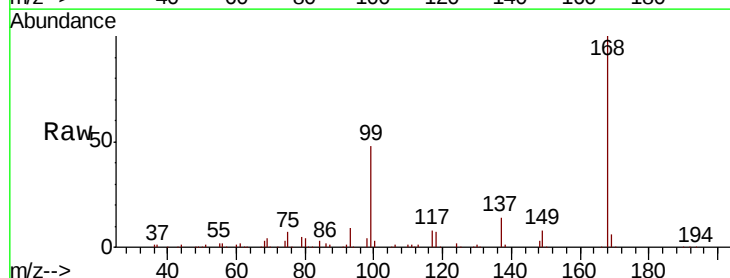
Tgt Ion: 117 Resp: 117551

Ion Ratio Lower Upper

117 100

119 4.1 77.8 116.6#

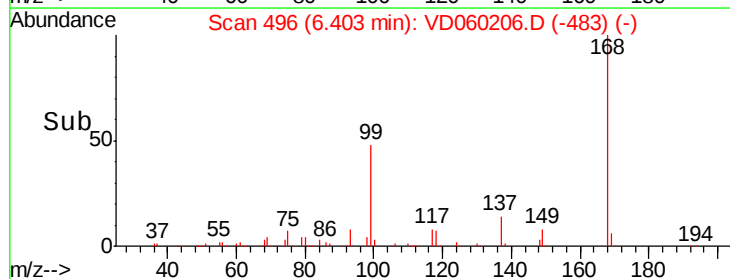
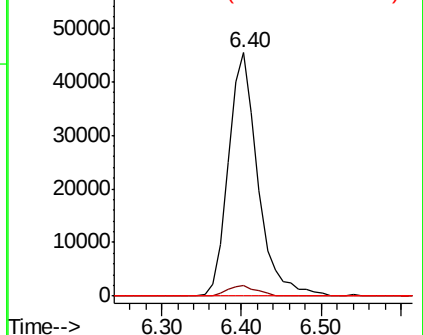
121 0.0 24.8 37.2#

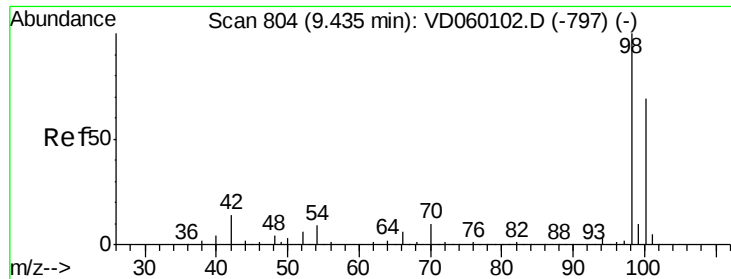


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

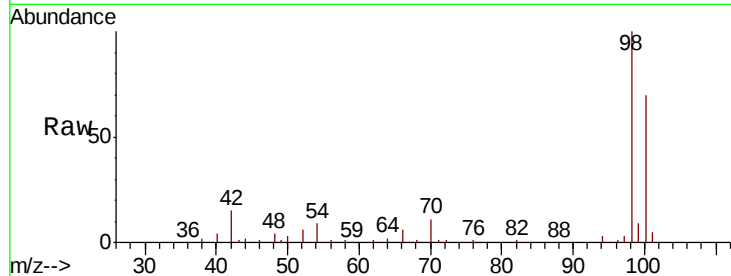




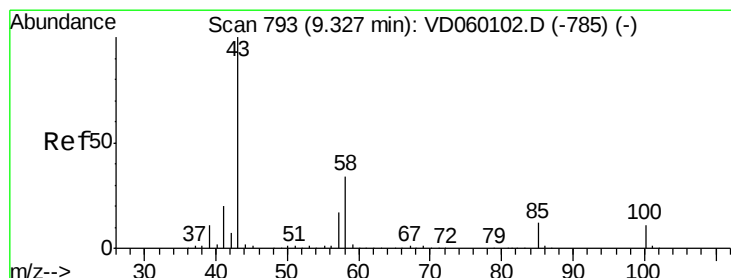
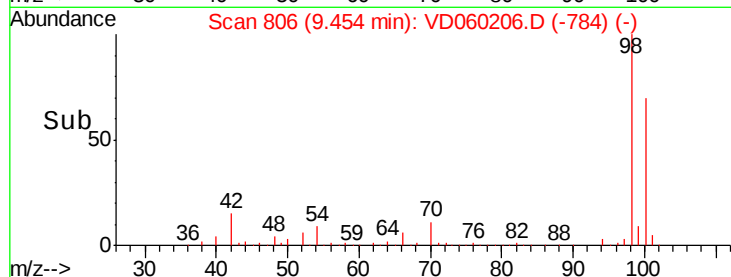
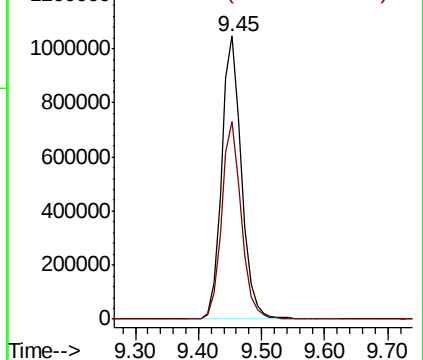
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060206.D
Acq: 25 Oct 2018 20:27

Instrument :
MSVOA_D
ClientSampleId :
SP-SAMPLE

Tot Ion: 98 Resp: 2293931
Ion Ratio Lower Upper
98 100
100 69.9 55.4 83.0

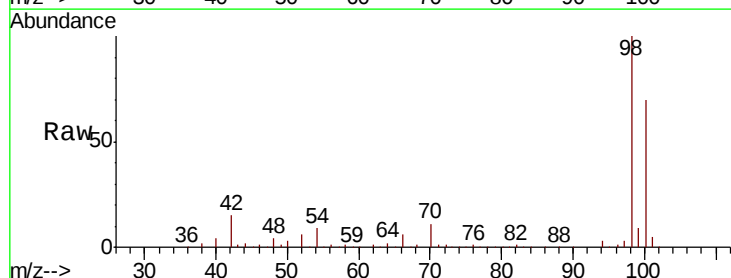


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

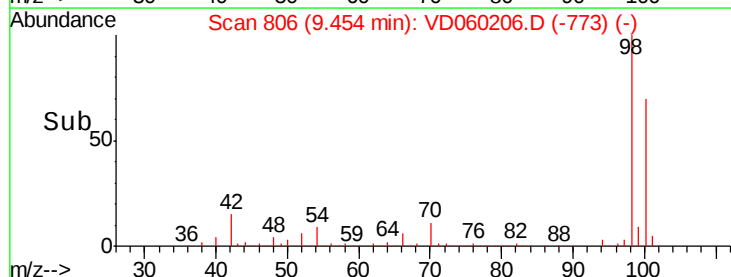
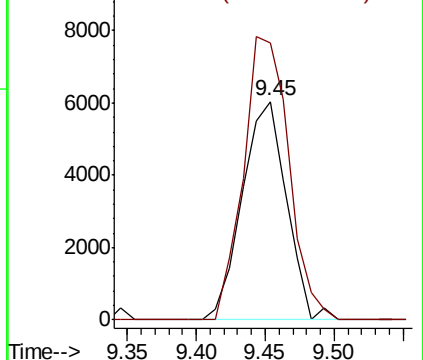


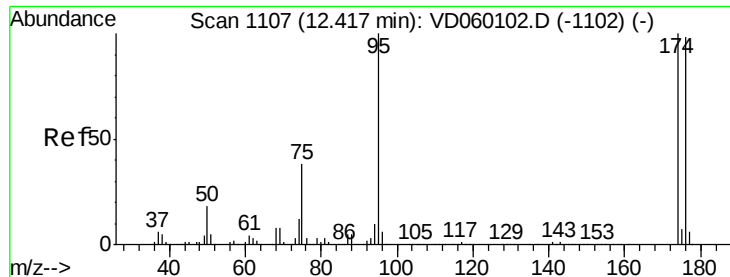
#51
4-Methyl-2-Pentanone
Concen: 1.213 ug/l
RT: 9.45 min Scan# 806
Delta R.T. 0.13 min
Lab File: VD060206.D
Acq: 25 Oct 2018 20:27

Tgt Ion: 43 Resp: 13526
Ion Ratio Lower Upper
43 100
58 126.9 27.2 40.8#



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: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060206.D

Acq: 25 Oct 2018 20:27

Instrument :

MSVOA_D

ClientSampleId :

SP-SAMPLE

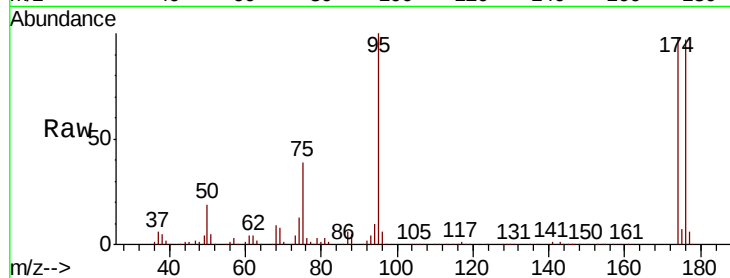
Tot Ion: 95 Resp: 839696

Ion Ratio Lower Upper

95 100

174 98.0 0.0 200.2

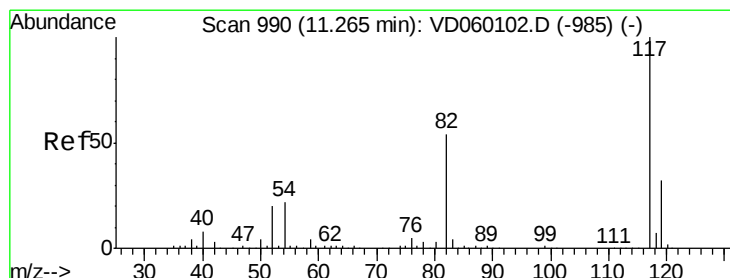
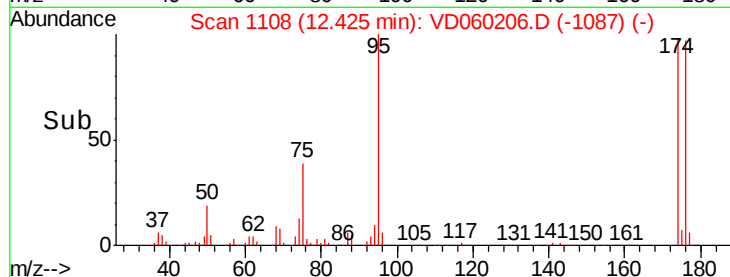
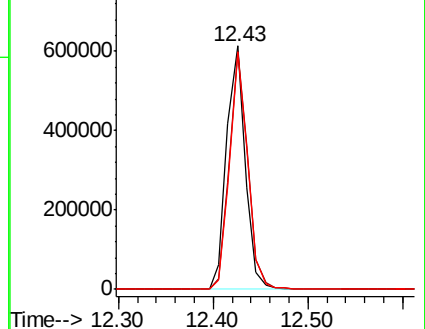
176 97.3 0.0 195.6



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: 11.28 min Scan# 992

Delta R.T. 0.02 min

Lab File: VD060206.D

Acq: 25 Oct 2018 20:27

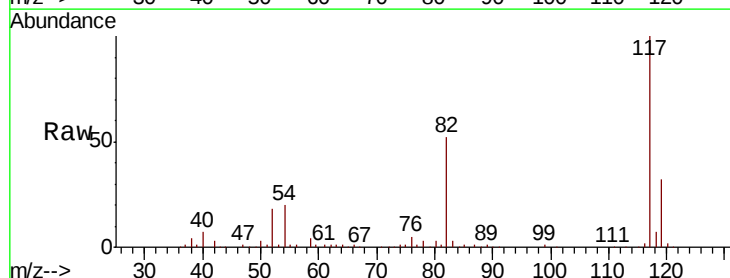
Tgt Ion: 117 Resp: 1733623

Ion Ratio Lower Upper

117 100

82 52.1 43.4 65.2

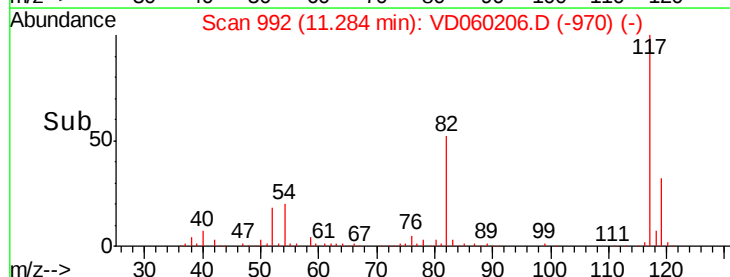
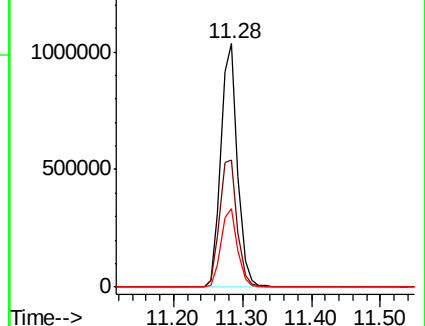
119 32.4 26.0 39.0

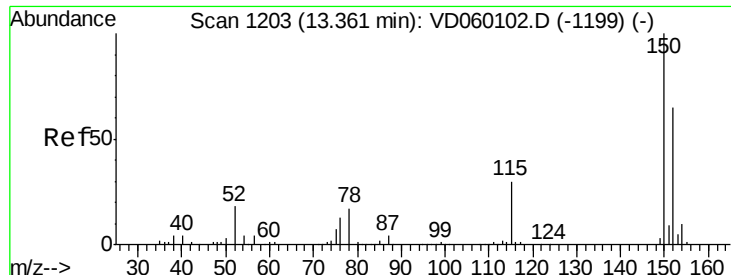


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD060206.D

Acq: 25 Oct 2018 20:27

Instrument :

MSVOA_D

ClientSampleId :

SP-SAMPLE

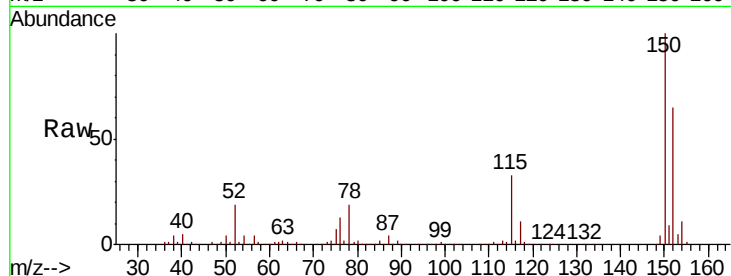
Tot Ion:152 Resp: 840720

Ion Ratio Lower Upper

152 100

115 50.5 27.1 81.2

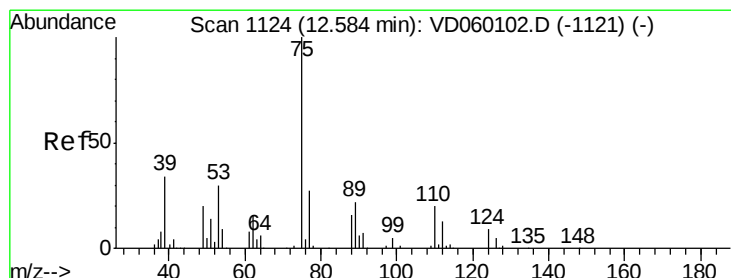
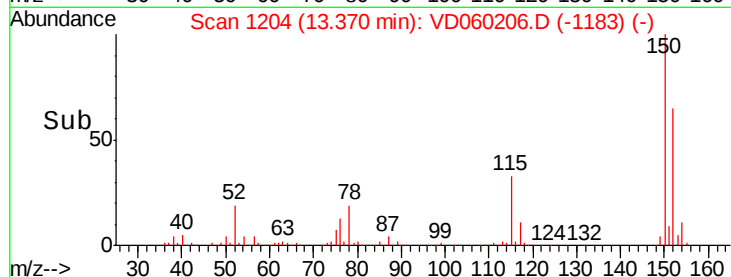
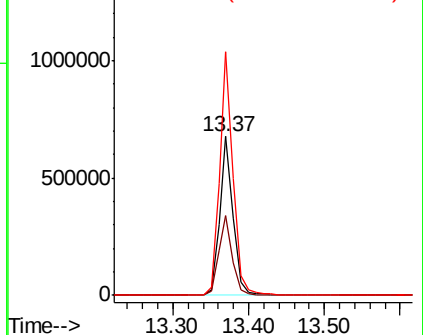
150 153.1 0.0 311.8



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: 26.734 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.16 min

Lab File: VD060206.D

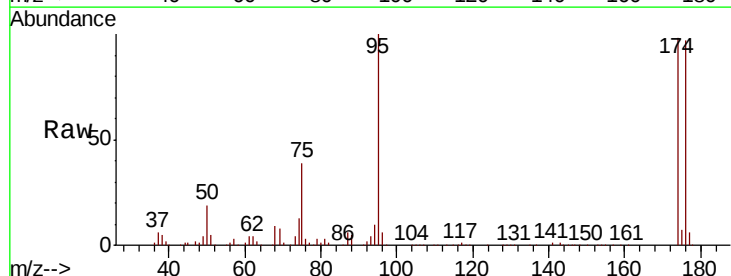
Acq: 25 Oct 2018 20:27

Tgt Ion: 75 Resp: 323683

Ion Ratio Lower Upper

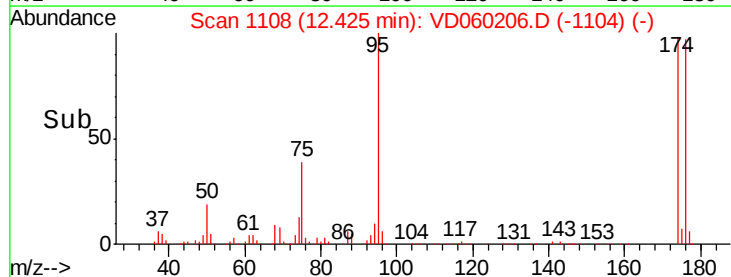
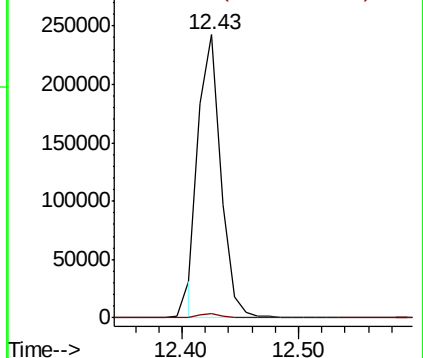
75 100

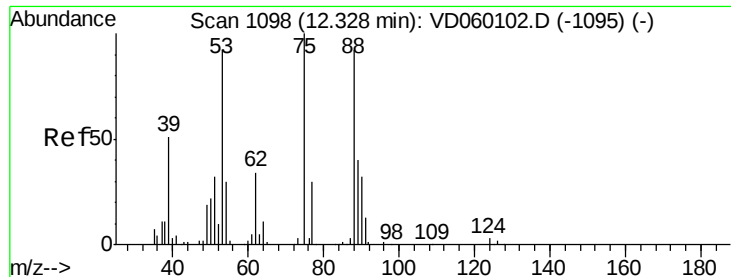
77 1.3 16.3 48.9#



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: 101.207 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.10 min

Lab File: VD060206.D

Acq: 25 Oct 2018 20:27

Instrument :

MSVOA_D

ClientSampleId :

SP-SAMPLE

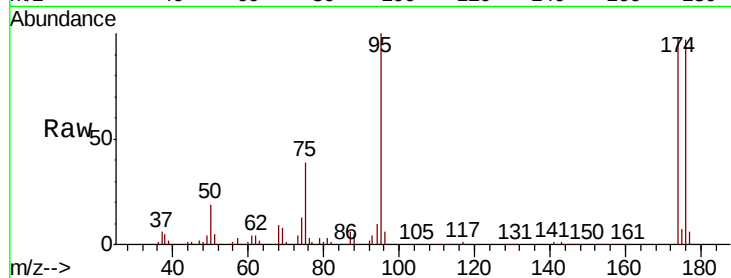
Tot Ion: 75 Resp: 344309

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.6#

89 0.0 32.0 48.0#



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

