

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103118\
 Data File : VD060246.D
 Acq On : 31 Oct 2018 17:20
 Operator : VA/AP
 Sample : J5202-07
 Misc : 5.82g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PL-02-103018-A

Quant Time: Oct 31 23:53:52 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

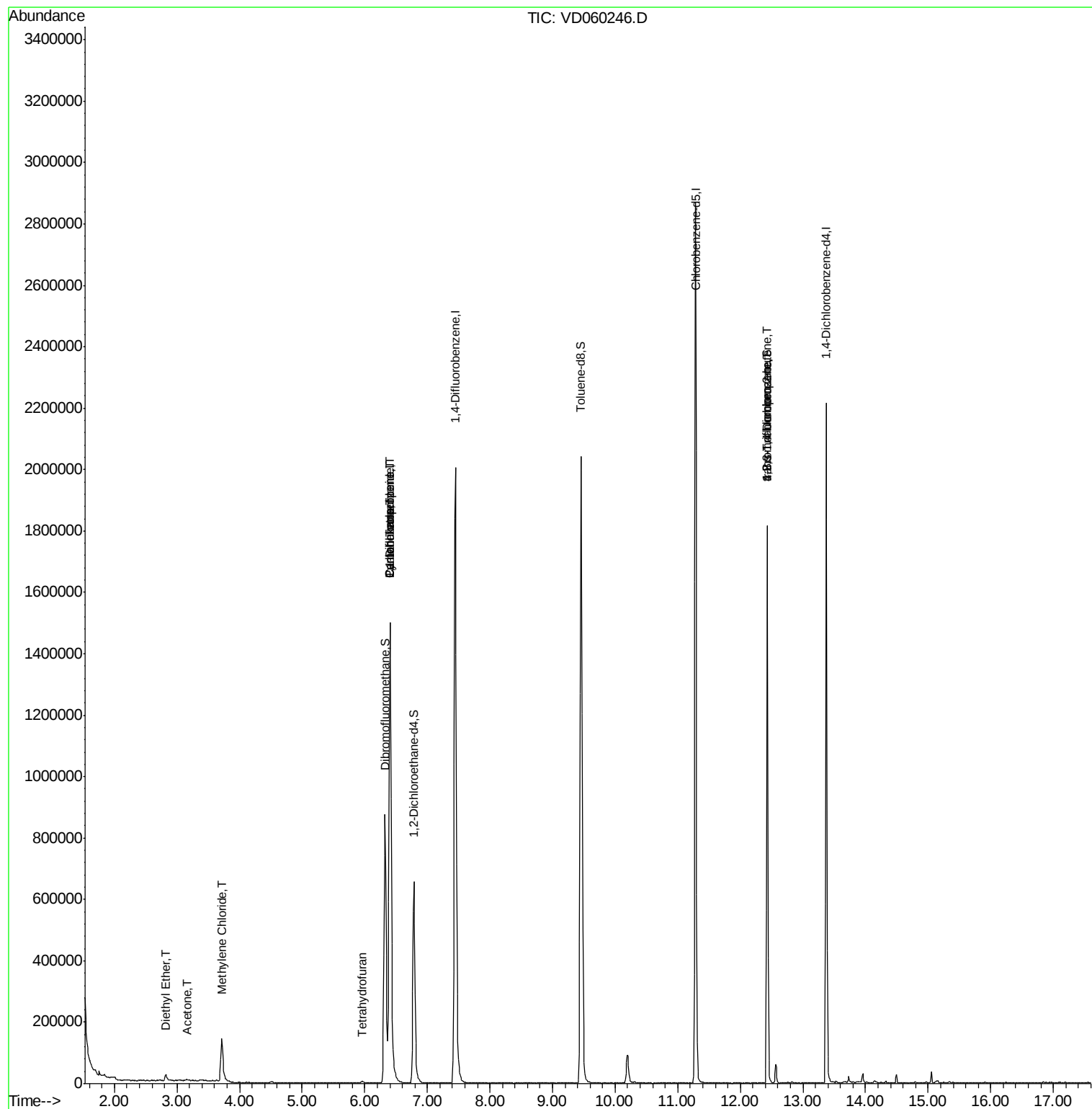
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1507555	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.45	114	2125337	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.28	117	1534657	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	545465	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	546593	47.83	ug/l	0.03
Spiked Amount 50.000			Recovery	=	95.66%	
35) Dibromofluoromethane	6.32	113	688887	42.68	ug/l	0.03
Spiked Amount 50.000			Recovery	=	85.36%	
50) Toluene-d8	9.45	98	1732527	37.65	ug/l	0.02
Spiked Amount 50.000			Recovery	=	75.30%	
62) 4-Bromofluorobenzene	12.43	95	544655	31.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	63.22%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.82	74	6876	2.669	ug/l	95
16) Acetone	3.16	43	11199	5.401	ug/l	99
20) Methylene Chloride	3.72	84	88271	1.212	ug/l	96
29) Tetrahydrofuran	5.96	42	4195	1.394	ug/l #	74
31) Cyclohexane	6.40	56	25862	1.045	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	105684	5.204	ug/l #	46
38) Carbon Tetrachloride	6.40	117	116508	6.321	ug/l #	15
76) 1,2,3-Trichloropropane	12.43	75	211410	26.913	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.43	75	214312	97.094	ug/l #	13

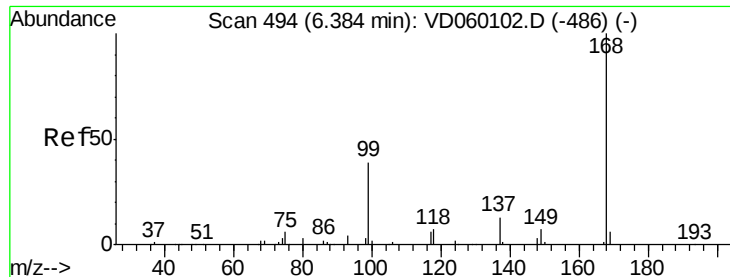
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 31 23:53:52 2018
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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: VD060246.D

Acq: 31 Oct 2018 17:20

Instrument :

MSVOA_D

ClientSampleId :

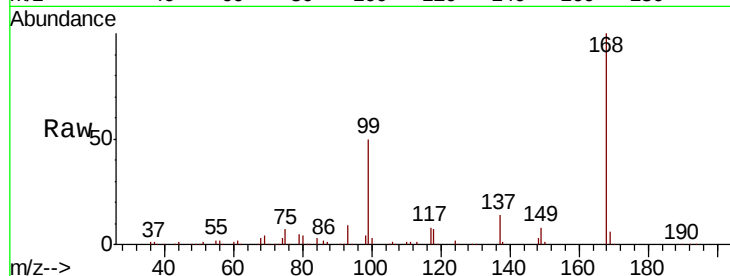
PL-02-103018-A

Tot Ion:168 Resp: 1507555

Ion Ratio Lower Upper

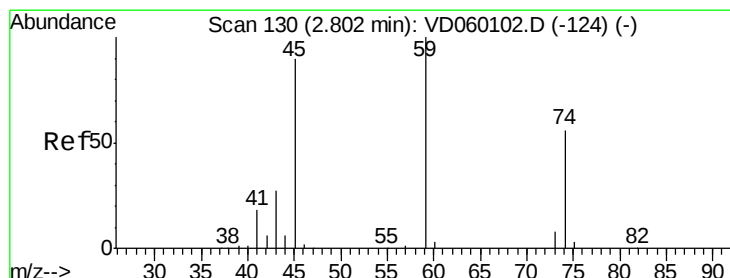
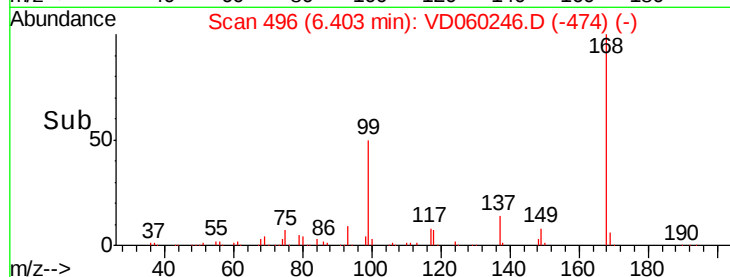
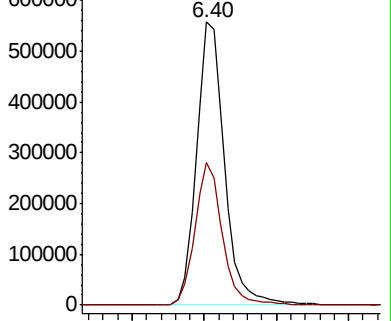
168 100

99 50.2 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: 2.669 ug/l

RT: 2.82 min Scan# 132

Delta R.T. 0.02 min

Lab File: VD060246.D

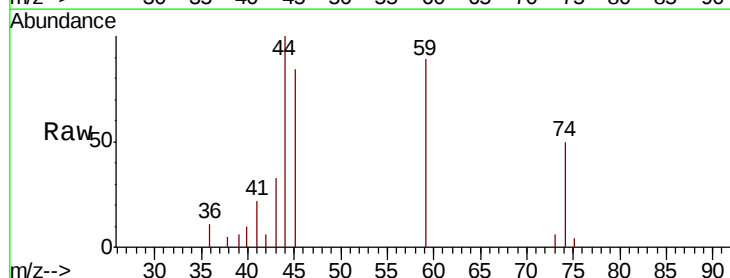
Acq: 31 Oct 2018 17:20

Tgt Ion: 74 Resp: 6876

Ion Ratio Lower Upper

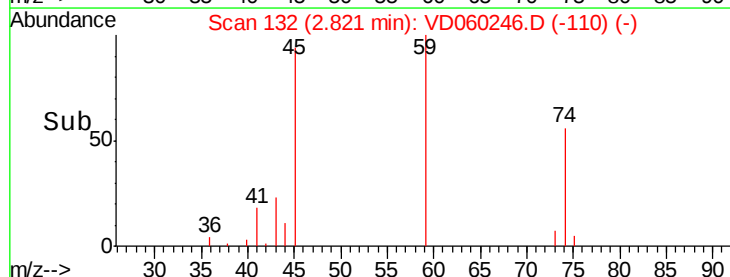
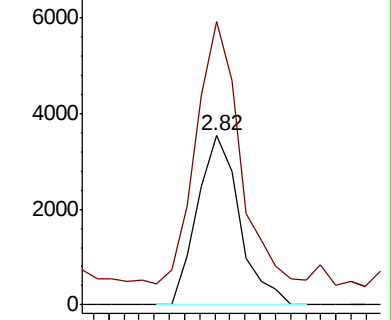
74 100

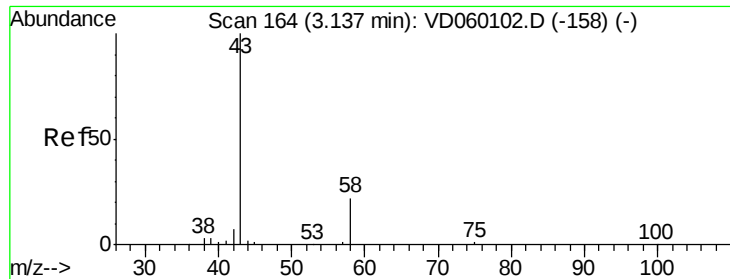
45 167.3 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 5.401 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060246.D

Acq: 31 Oct 2018 17:20

Instrument :

MSVOA_D

ClientSampleId :

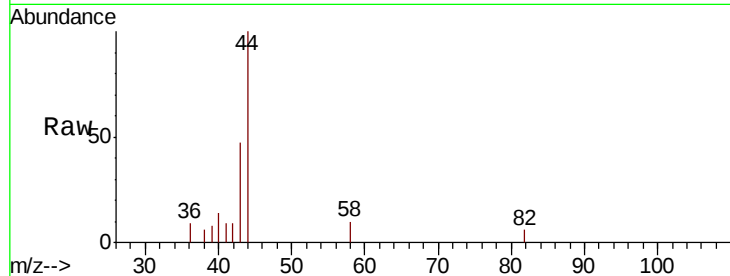
PL-02-103018-A

Tot Ion: 43 Resp: 11199

Ion Ratio Lower Upper

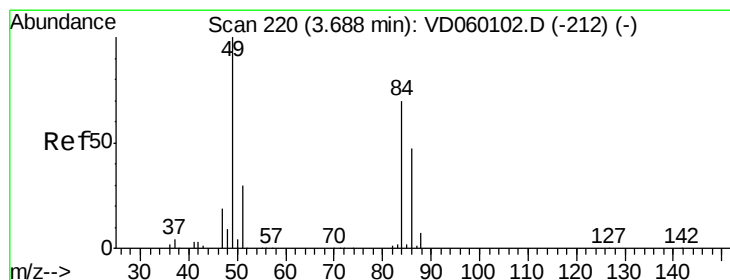
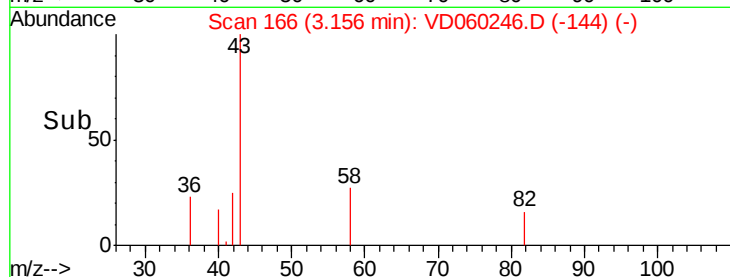
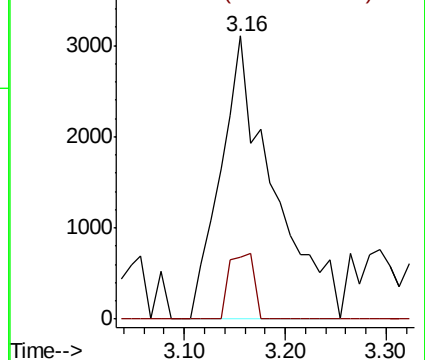
43 100

58 21.8 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: 1.212 ug/l

RT: 3.72 min Scan# 223

Delta R.T. 0.03 min

Lab File: VD060246.D

Acq: 31 Oct 2018 17:20

Tgt Ion: 84 Resp: 88271

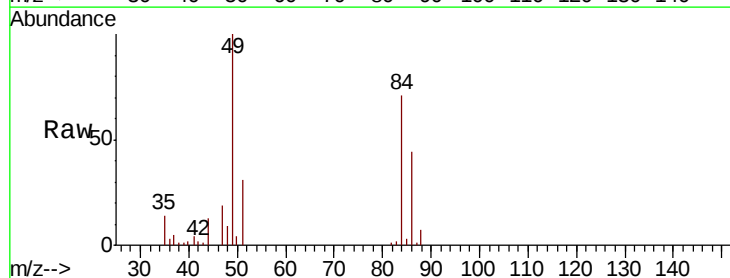
Ion Ratio Lower Upper

84 100

49 140.3 114.6 172.0

51 43.8 33.8 50.8

86 61.0 53.3 79.9

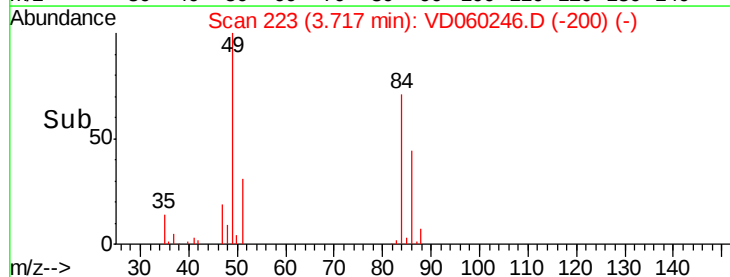
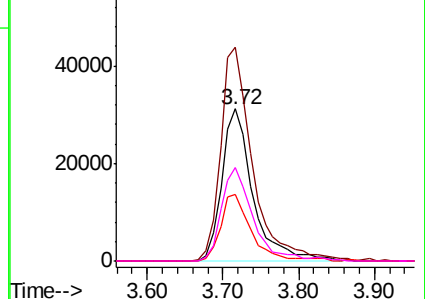


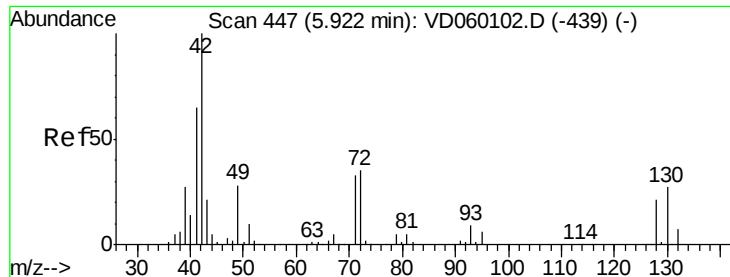
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

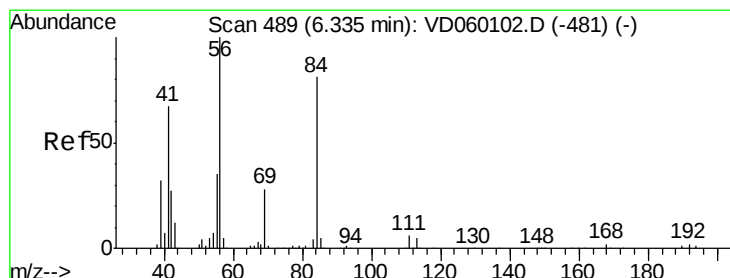
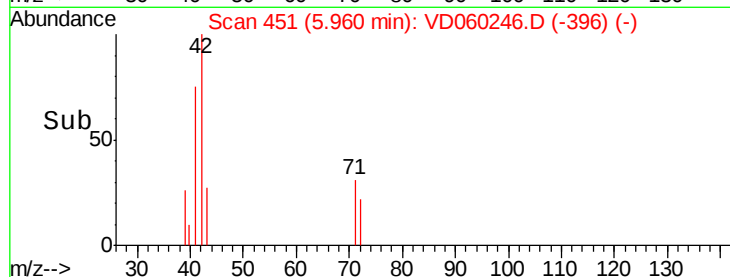
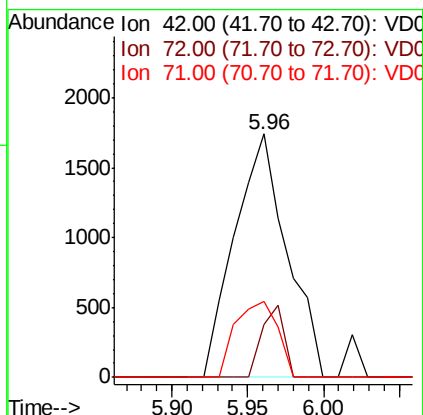
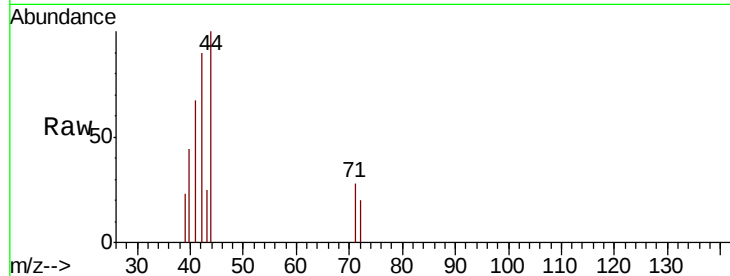




#29
Tetrahydrofuran
Concen: 1.394 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.04 min
Lab File: VD060246.D
Acq: 31 Oct 2018 17:20

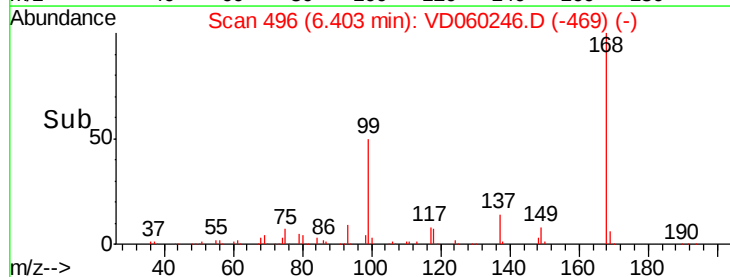
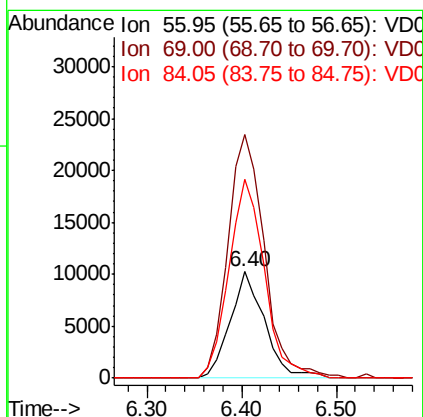
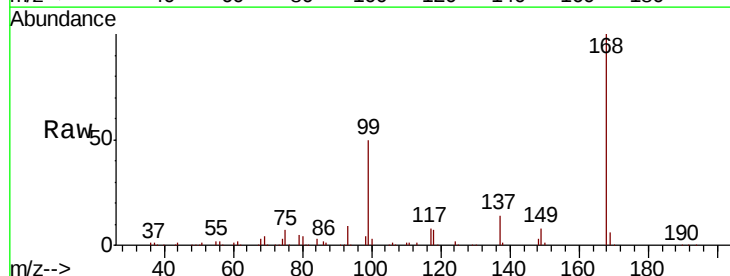
Instrument :
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PL-02-103018-A

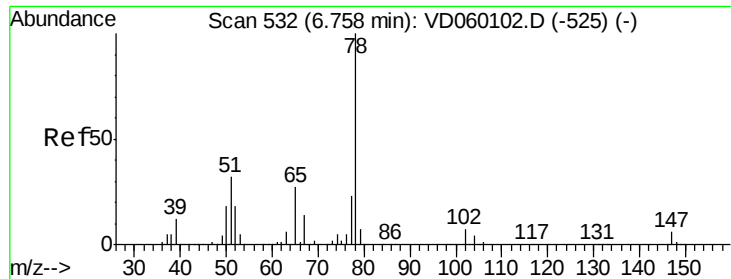
Tot Ion: 42 Resp: 4195
Ion Ratio Lower Upper
42 100
72 12.7 26.9 40.3#
71 25.0 26.7 40.1#



#31
Cyclohexane
Concen: 1.045 ug/l
RT: 6.40 min Scan# 496
Delta R.T. 0.07 min
Lab File: VD060246.D
Acq: 31 Oct 2018 17:20

Tgt Ion: 56 Resp: 25862
Ion Ratio Lower Upper
56 100
69 229.4 22.8 34.2#
84 187.2 64.9 97.3#

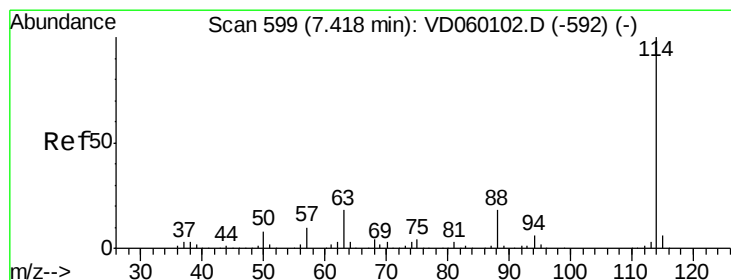
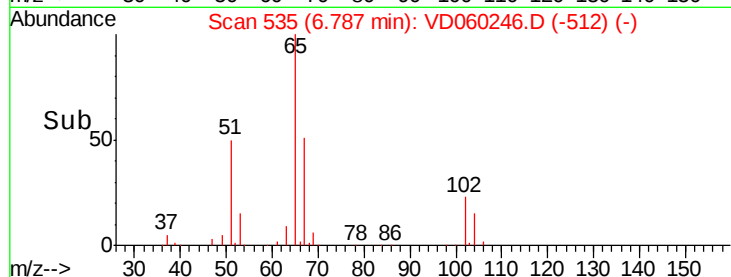
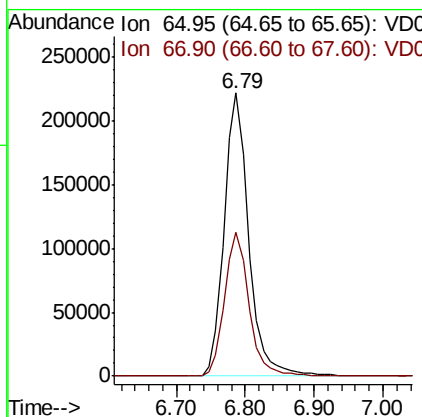
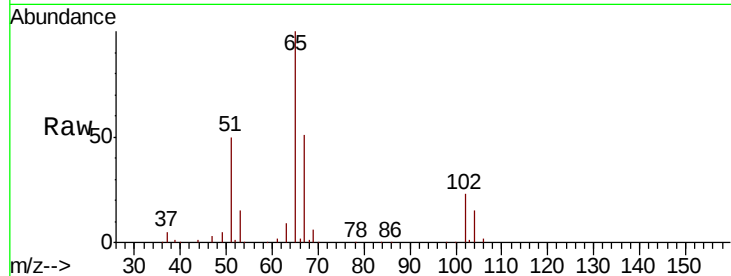




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. 0.03 min
 Lab File: VD060246.D
 Acq: 31 Oct 2018 17:20

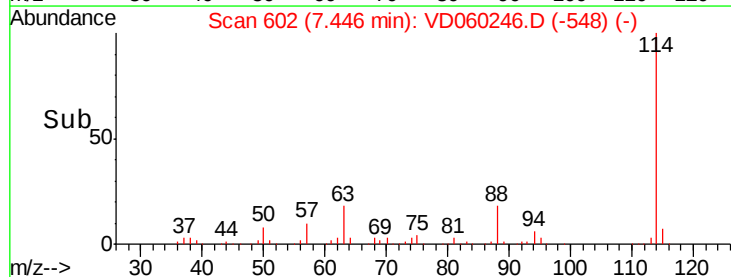
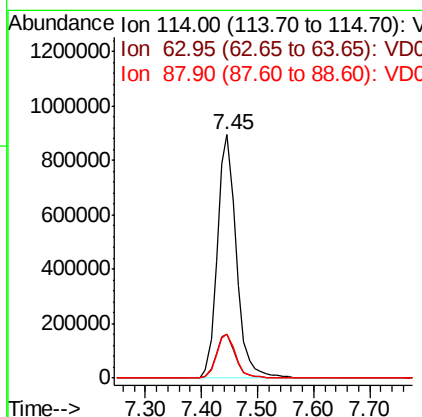
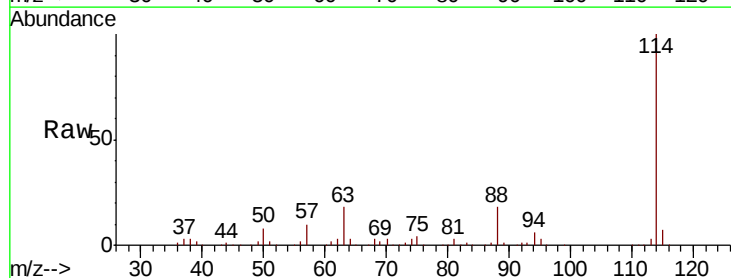
Instrument :
 MSVOA_D
 ClientSampleId :
 PL-02-103018-A

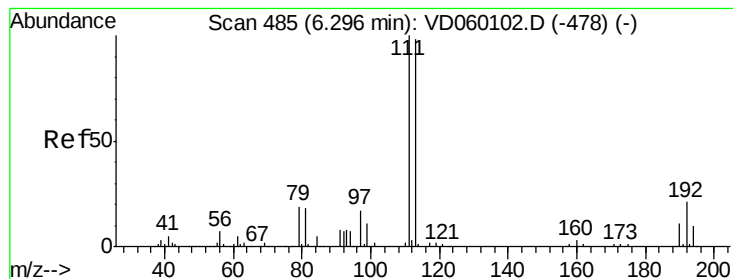
Tot Ion: 65 Resp: 546593
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. 0.03 min
 Lab File: VD060246.D
 Acq: 31 Oct 2018 17:20

Tgt Ion: 114 Resp: 2125337
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 36.0
 88 18.2 0.0 36.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 488

Delta R.T. 0.03 min

Lab File: VD060246.D

Acq: 31 Oct 2018 17:20

Instrument :

MSVOA_D

ClientSampleId :

PL-02-103018-A

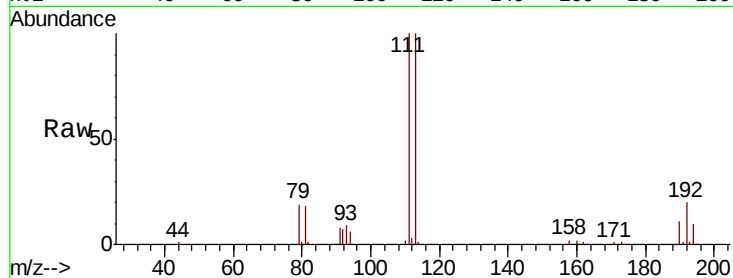
Tot Ion:113 Resp: 688887

Ion Ratio Lower Upper

113 100

111 100.1 81.5 122.3

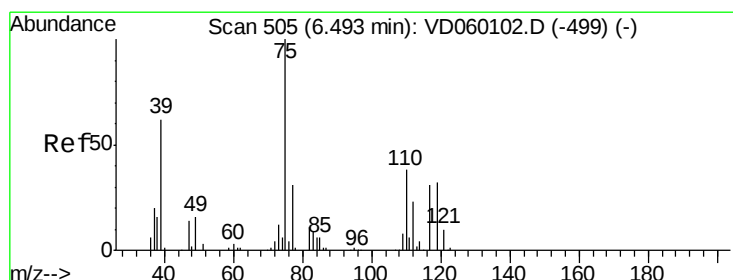
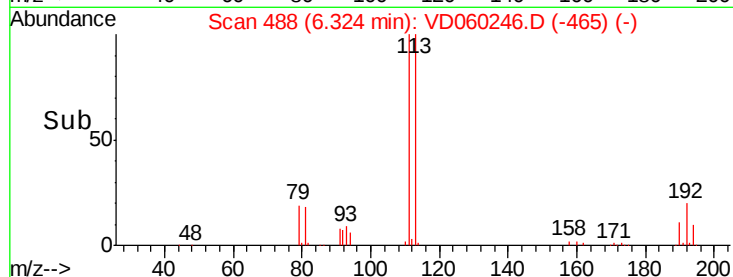
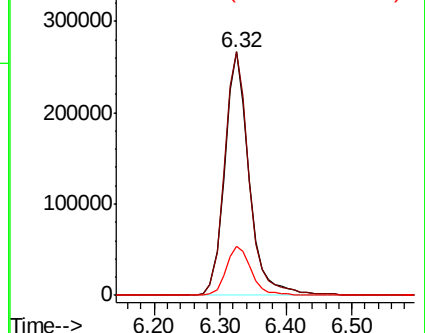
192 20.1 17.4 26.0



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: 5.204 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.09 min

Lab File: VD060246.D

Acq: 31 Oct 2018 17:20

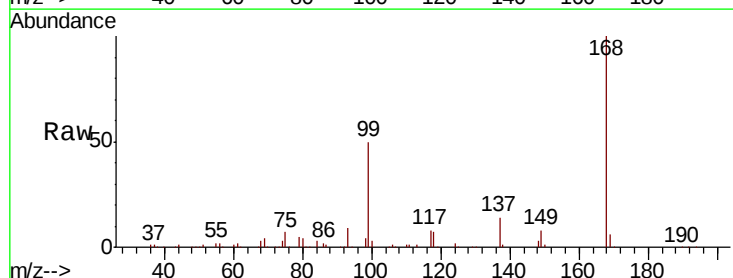
Tgt Ion: 75 Resp: 105684

Ion Ratio Lower Upper

75 100

110 7.1 19.0 57.0#

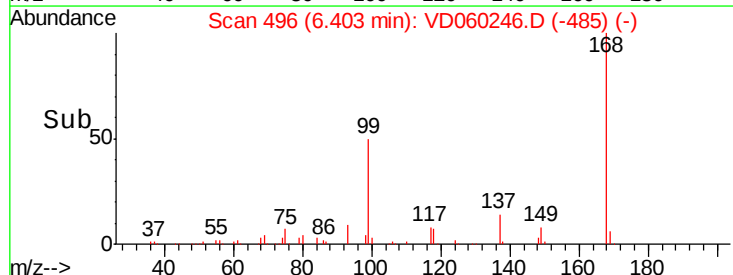
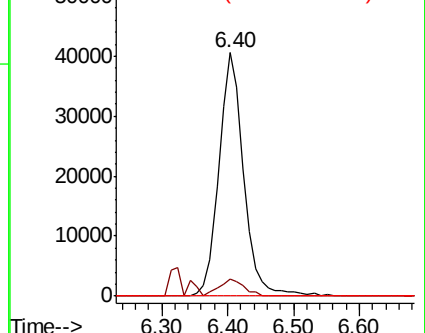
77 0.0 24.9 37.3#

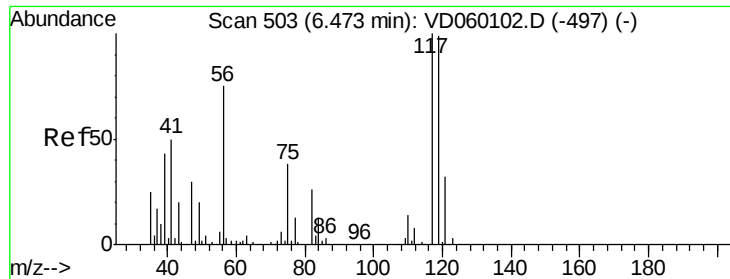


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

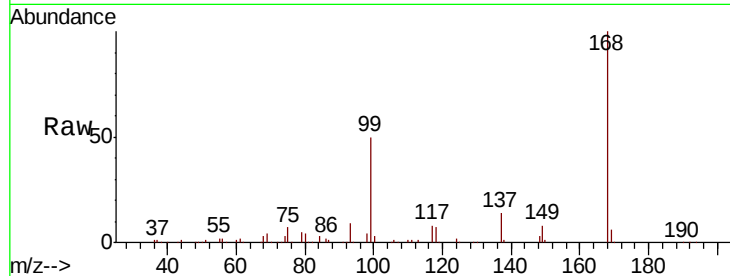




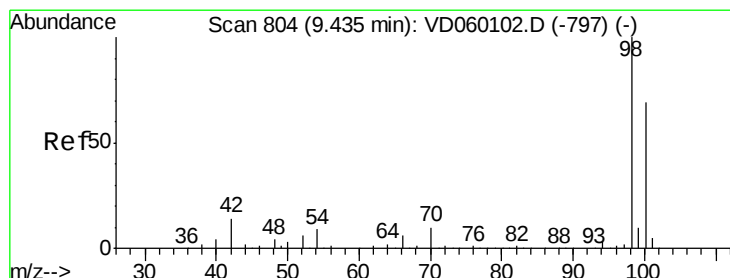
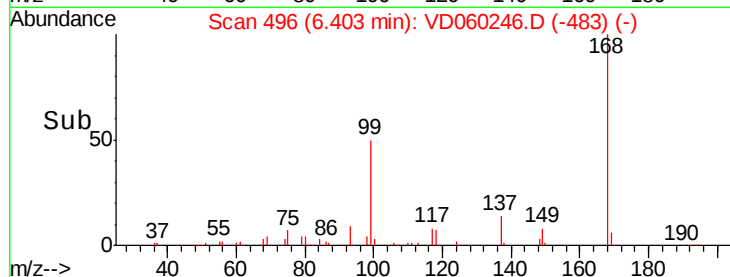
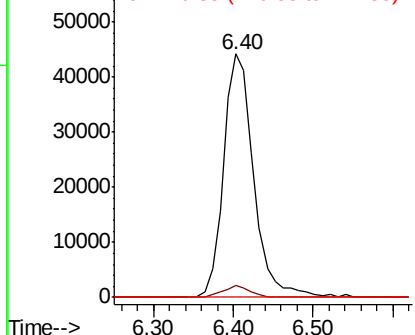
#38
Carbon Tetrachloride
Concen: 6.321 ug/l
RT: 6.40 min Scan# 496
Delta R.T. -0.07 min
Lab File: VD060246.D
Acq: 31 Oct 2018 17:20

Instrument :
MSVOA_D
ClientSampleId :
PL-02-103018-A

Tot Ion:117 Resp: 116508
Ion Ratio Lower Upper
117 100
119 4.8 77.8 116.6#
121 0.0 24.8 37.2#

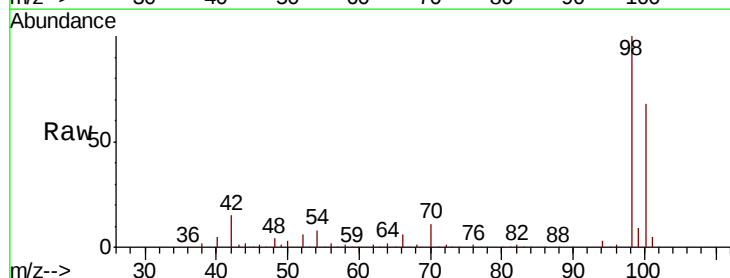


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

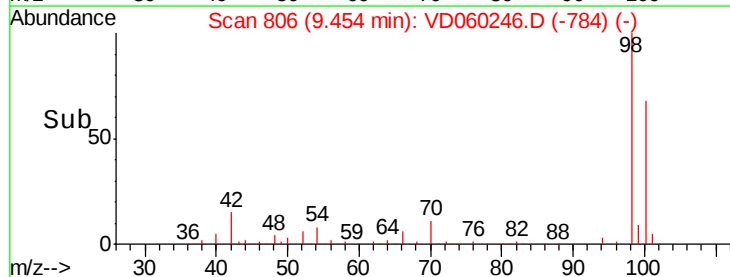
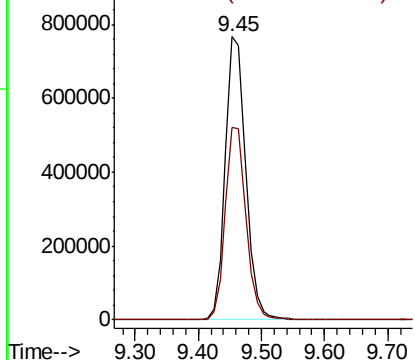


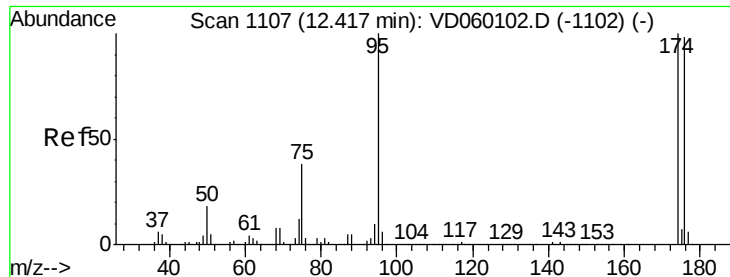
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060246.D
Acq: 31 Oct 2018 17:20

Tgt Ion: 98 Resp: 1732527
Ion Ratio Lower Upper
98 100
100 68.2 55.4 83.0



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060246.D

Acq: 31 Oct 2018 17:20

Instrument :

MSVOA_D

ClientSampleId :

PL-02-103018-A

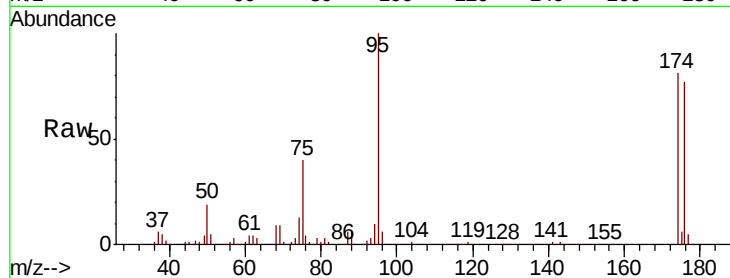
Tot Ion: 95 Resp: 544655

Ion Ratio Lower Upper

95 100

174 81.0 0.0 200.2

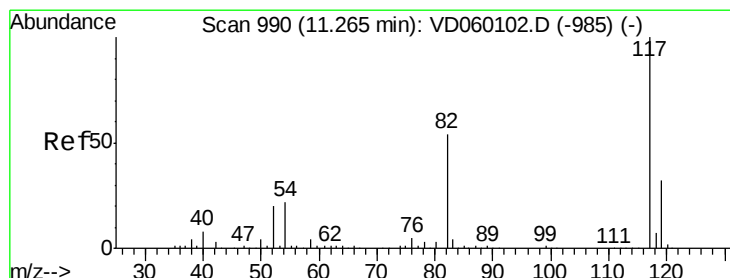
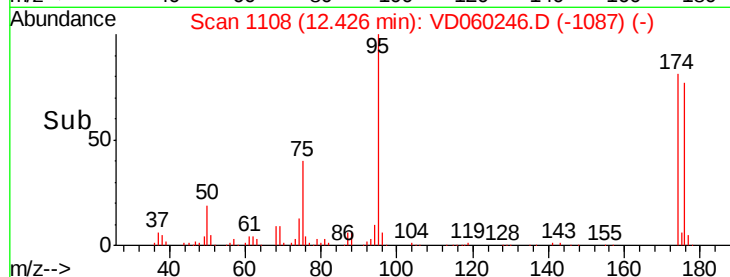
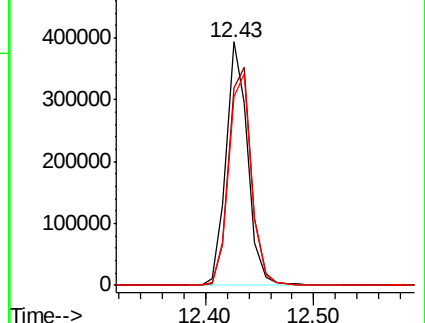
176 77.2 0.0 195.6



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: VD060246.D

Acq: 31 Oct 2018 17:20

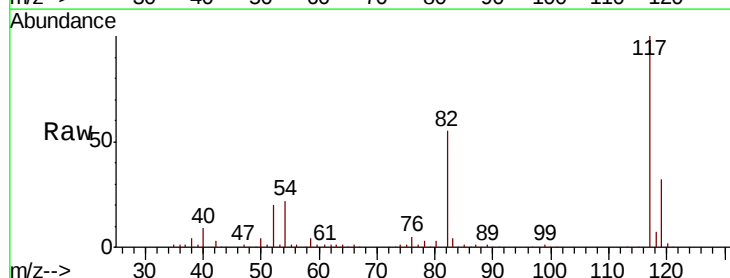
Tgt Ion: 117 Resp: 1534657

Ion Ratio Lower Upper

117 100

82 54.7 43.4 65.2

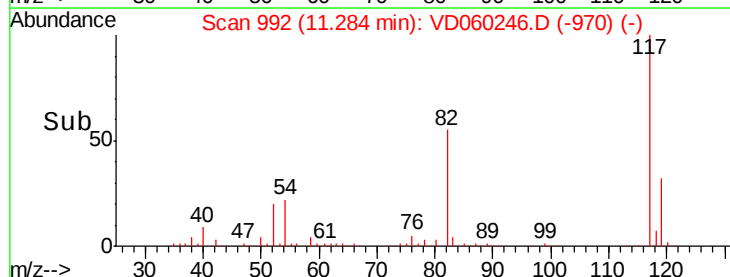
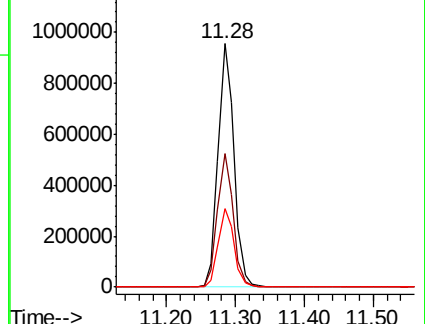
119 32.3 26.0 39.0

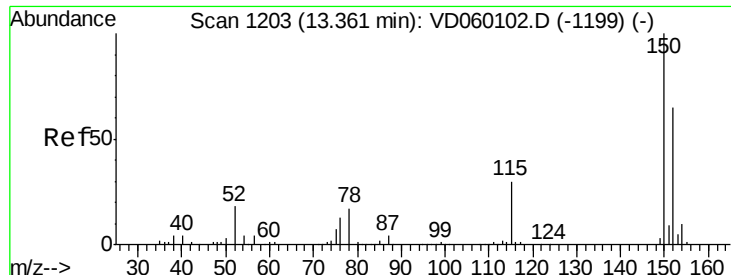


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD060246.D

Acq: 31 Oct 2018 17:20

Instrument :

MSVOA_D

ClientSampleId :

PL-02-103018-A

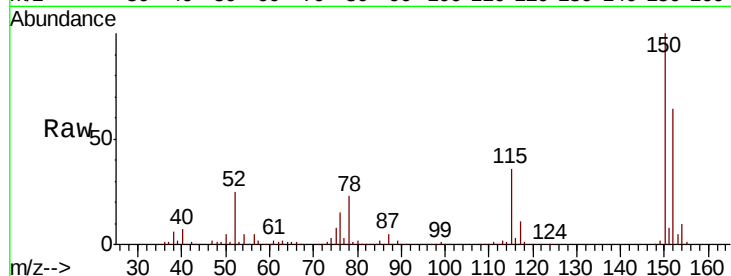
Tot Ion:152 Resp: 545465

Ion Ratio Lower Upper

152 100

115 56.3 27.1 81.2

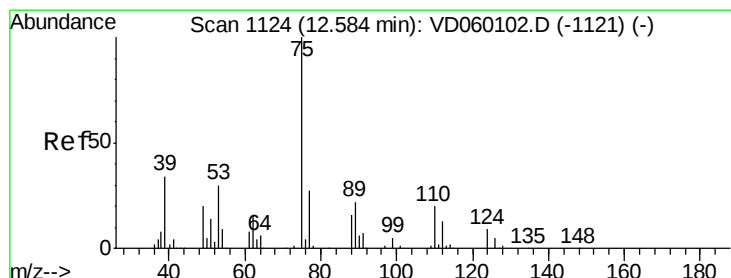
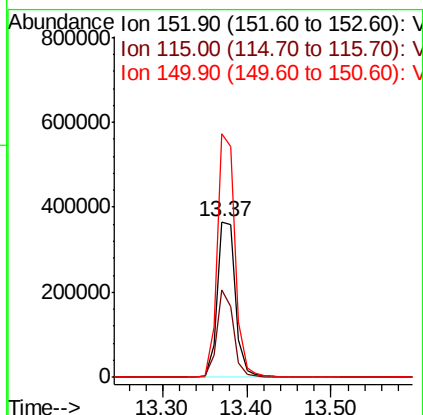
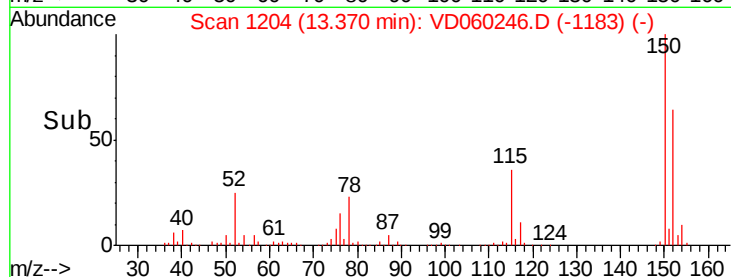
150 156.5 0.0 311.8



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: 26.913 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.16 min

Lab File: VD060246.D

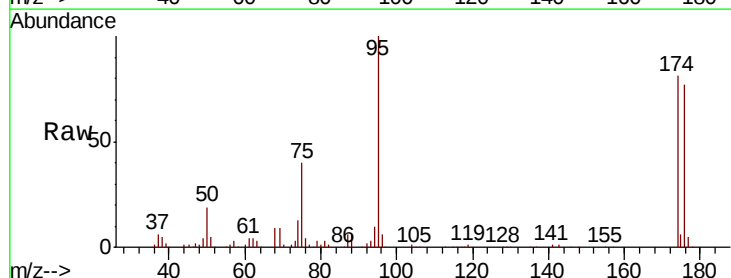
Acq: 31 Oct 2018 17:20

Tgt Ion: 75 Resp: 211410

Ion Ratio Lower Upper

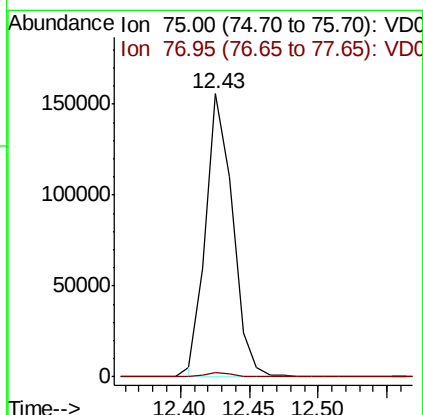
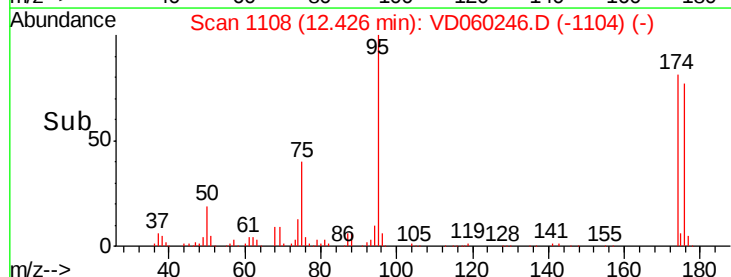
75 100

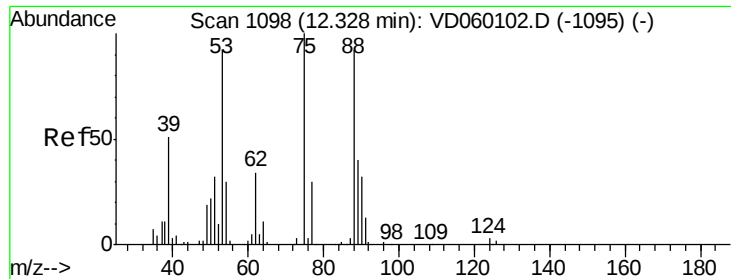
77 1.5 16.3 48.9#



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: 97.094 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.10 min

Lab File: VD060246.D

Acq: 31 Oct 2018 17:20

Instrument :

MSVOA_D

ClientSampleId :

PL-02-103018-A

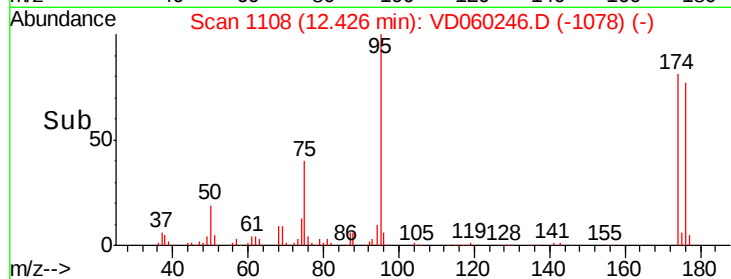
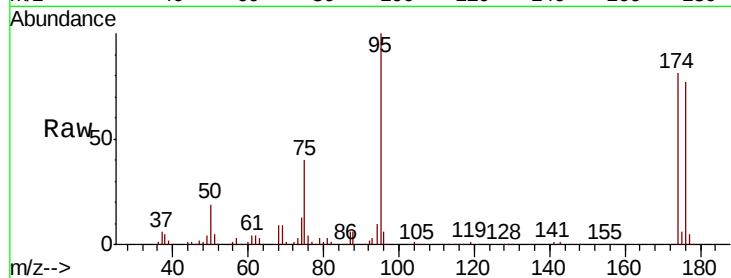
Tot Ion: 75 Resp: 214312

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

