

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103118\
 Data File : VD060245.D
 Acq On : 31 Oct 2018 16:52
 Operator : VA/AP
 Sample : J5199-07
 Misc : 6.35g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-103018

Quant Time: Oct 31 23:53:41 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

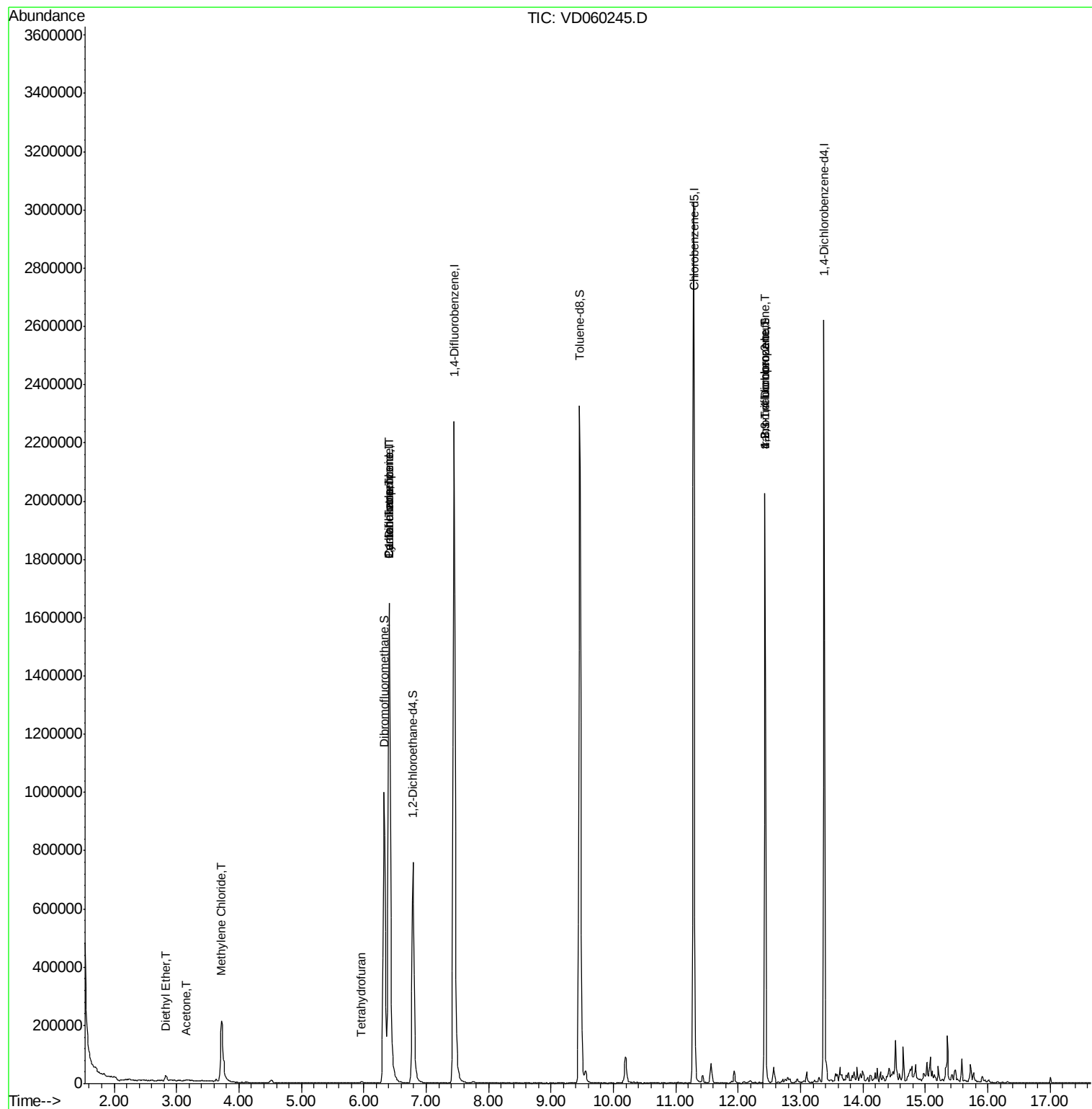
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1687155	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.45	114	2449854	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.29	117	1665199	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	579807	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	631361	49.37	ug/l	0.03
Spiked Amount 50.000			Recovery	=	98.74%	
35) Dibromofluoromethane	6.33	113	787652	42.34	ug/l	0.03
Spiked Amount 50.000			Recovery	=	84.68%	
50) Toluene-d8	9.46	98	1896485	35.75	ug/l	0.02
Spiked Amount 50.000			Recovery	=	71.50%	
62) 4-Bromofluorobenzene	12.43	95	571988	28.80	ug/l	0.01
Spiked Amount 50.000			Recovery	=	57.60%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.83	74	7191	2.494	ug/l	71
16) Acetone	3.16	43	10305	4.441	ug/l #	69
20) Methylene Chloride	3.72	84	135488	3.410	ug/l	97
29) Tetrahydrofuran	5.96	42	4653	1.382	ug/l #	88
31) Cyclohexane	6.41	56	30585	1.104	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	116848	4.991	ug/l #	46
38) Carbon Tetrachloride	6.41	117	131830	6.204	ug/l #	16
76) 1,2,3-Trichloropropane	12.43	75	224225	26.854	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.43	75	229778	97.935	ug/l #	13

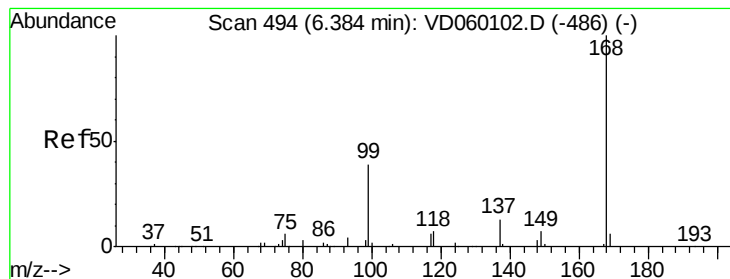
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 6.42 min Scan# 497

Delta R.T. 0.03 min

Lab File: VD060245.D

Acq: 31 Oct 2018 16:52

Instrument :

MSVOA_D

ClientSampleId :

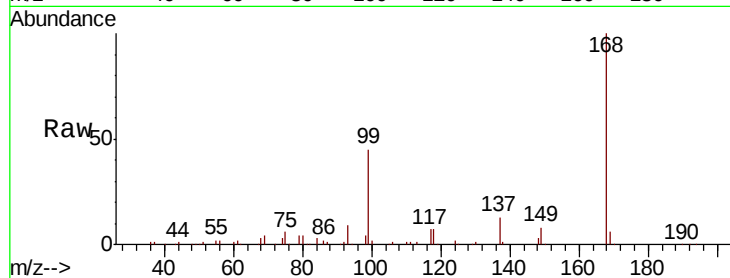
OK-01-103018

Tot Ion:168 Resp: 1687155

Ion Ratio Lower Upper

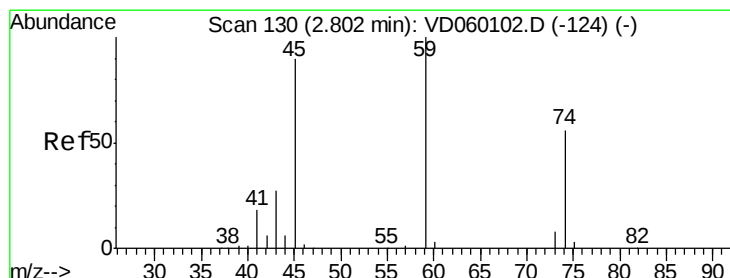
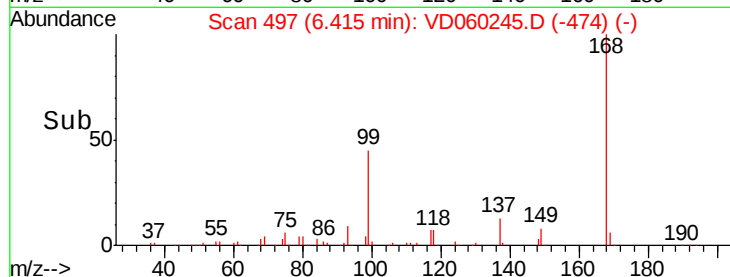
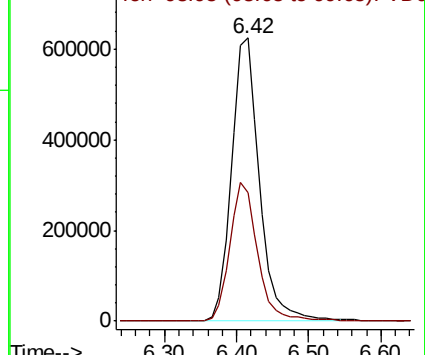
168 100

99 45.4 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: 2.494 ug/l

RT: 2.83 min Scan# 133

Delta R.T. 0.03 min

Lab File: VD060245.D

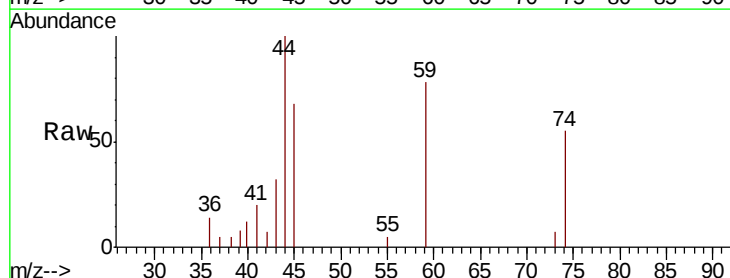
Acq: 31 Oct 2018 16:52

Tgt Ion: 74 Resp: 7191

Ion Ratio Lower Upper

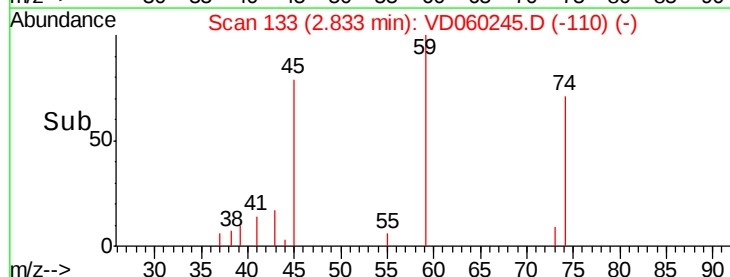
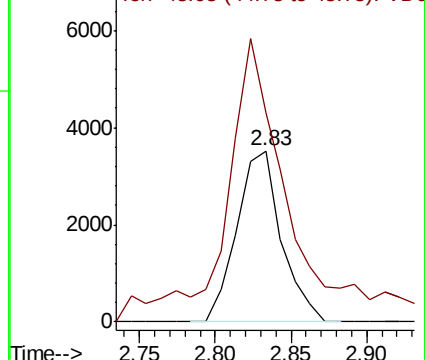
74 100

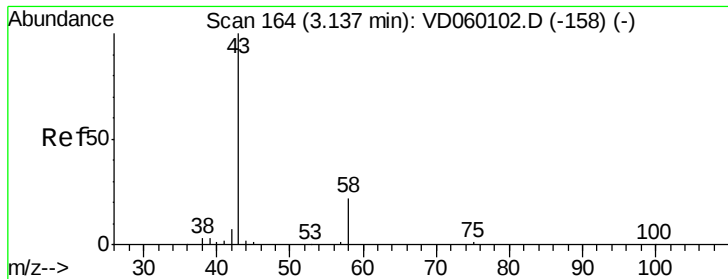
45 122.4 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 4.441 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060245.D

Acq: 31 Oct 2018 16:52

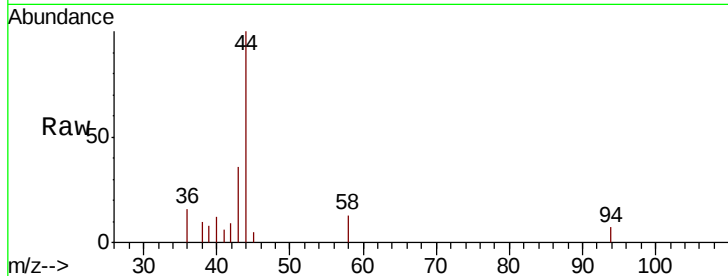
Instrument :
MSVOA_D
ClientSampleId :
OK-01-103018

Tot Ion: 43 Resp: 10305

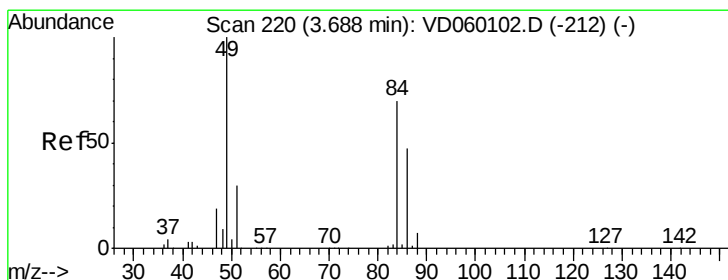
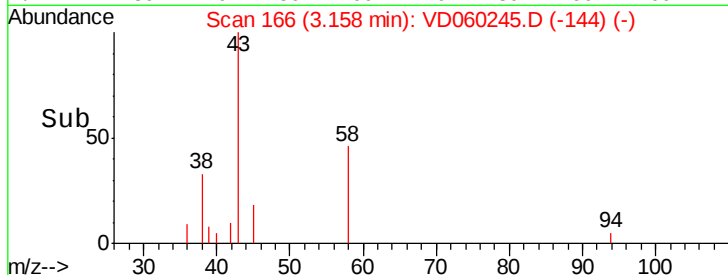
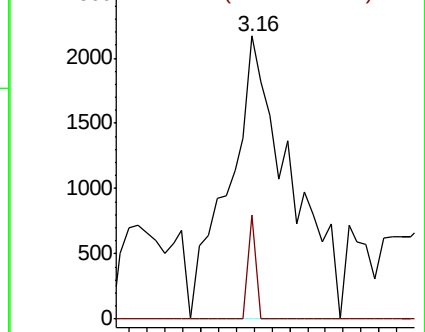
Ion Ratio Lower Upper

43 100

58 36.7 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: 3.410 ug/l

RT: 3.72 min Scan# 223

Delta R.T. 0.03 min

Lab File: VD060245.D

Acq: 31 Oct 2018 16:52

Tgt Ion: 84 Resp: 135488

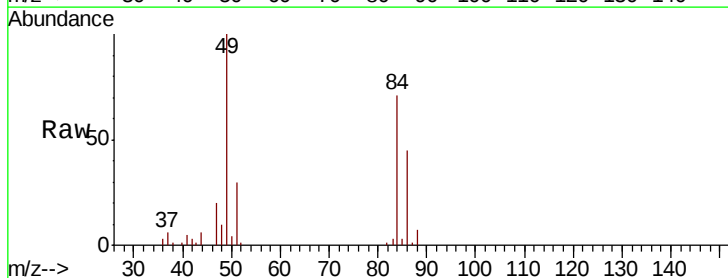
Ion Ratio Lower Upper

84 100

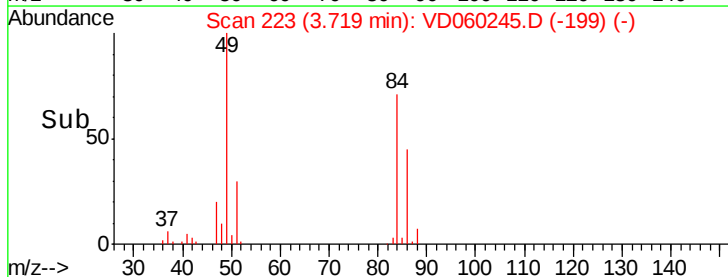
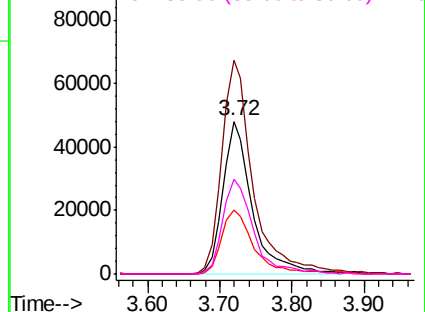
49 140.2 114.6 172.0

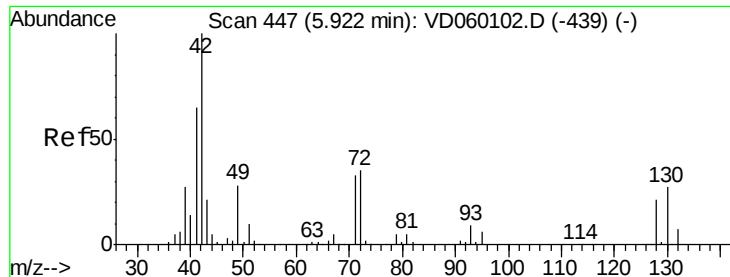
51 41.8 33.8 50.8

86 62.4 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





#29

Tetrahydrofuran

Concen: 1.382 ug/l

RT: 5.96 min Scan# 451

Delta R.T. 0.04 min

Lab File: VD060245.D

Acq: 31 Oct 2018 16:52

Instrument :

MSVOA_D

ClientSampleId :

OK-01-103018

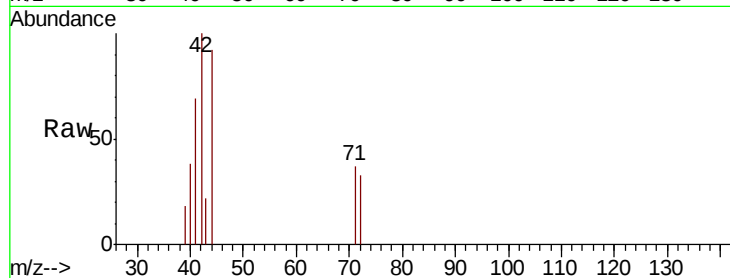
Tot Ion: 42 Resp: 4653

Ion Ratio Lower Upper

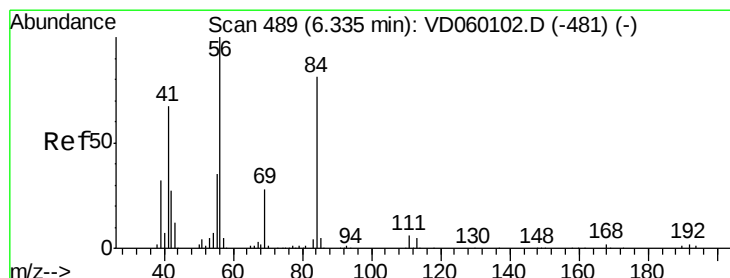
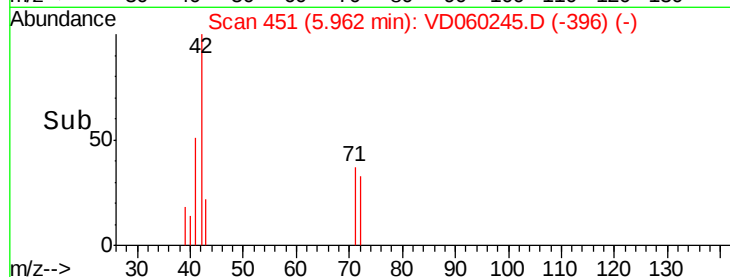
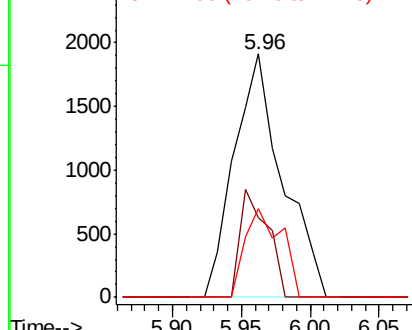
42 100

72 25.6 26.9 40.3#

71 27.8 26.7 40.1



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: 1.104 ug/l

RT: 6.41 min Scan# 496

Delta R.T. 0.07 min

Lab File: VD060245.D

Acq: 31 Oct 2018 16:52

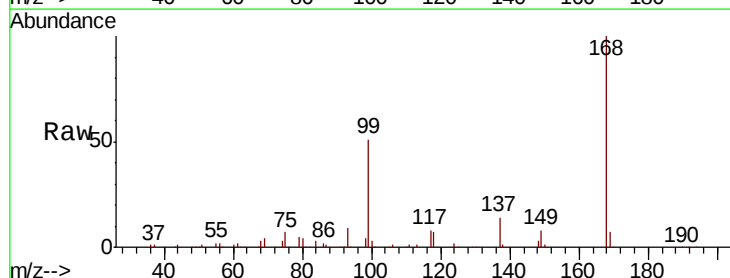
Tgt Ion: 56 Resp: 30585

Ion Ratio Lower Upper

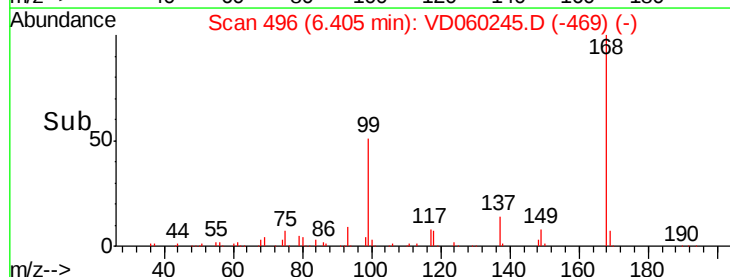
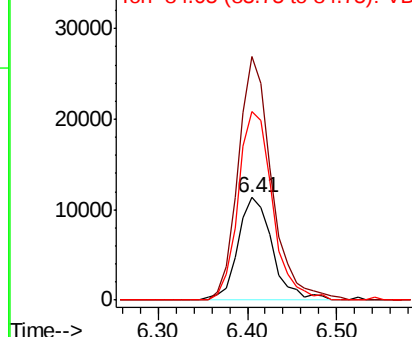
56 100

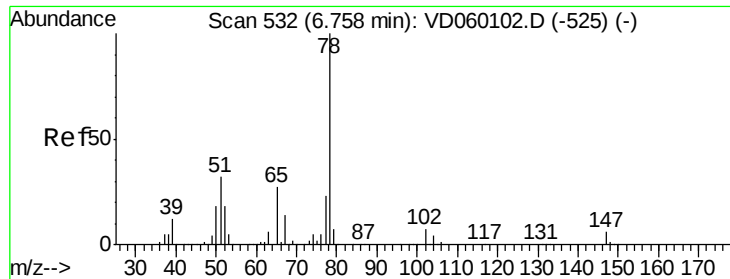
69 236.9 22.8 34.2#

84 183.4 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: 6.79 min Scan# 535

Delta R.T. 0.03 min

Lab File: VD060245.D

Acq: 31 Oct 2018 16:52

Instrument :

MSVOA_D

ClientSampleId :

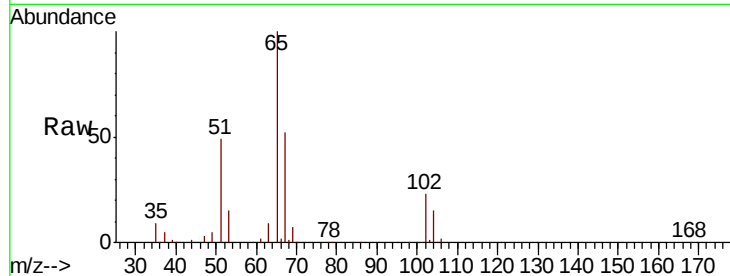
OK-01-103018

Tot Ion: 65 Resp: 631361

Ion Ratio Lower Upper

65 100

67 51.8 0.0 106.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.79

250000

200000

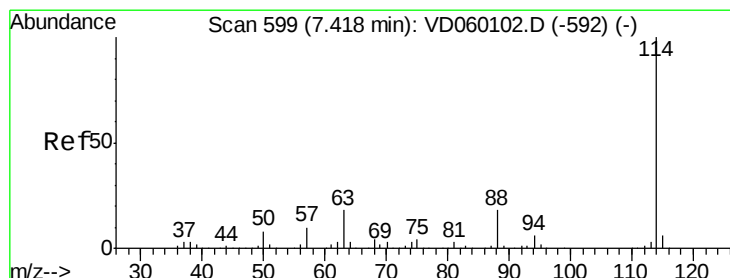
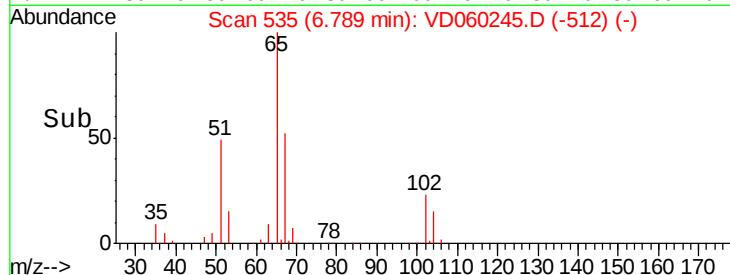
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. 0.03 min

Lab File: VD060245.D

Acq: 31 Oct 2018 16:52

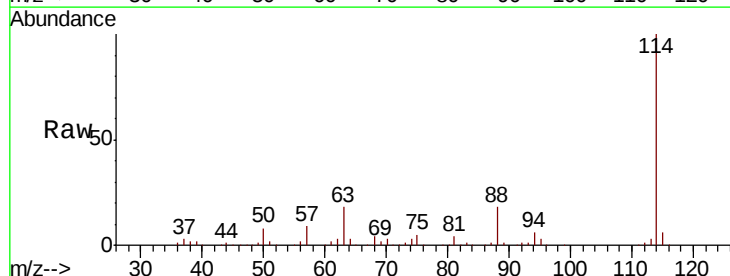
Tgt Ion: 114 Resp: 2449854

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.0

88 18.3 0.0 36.2



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

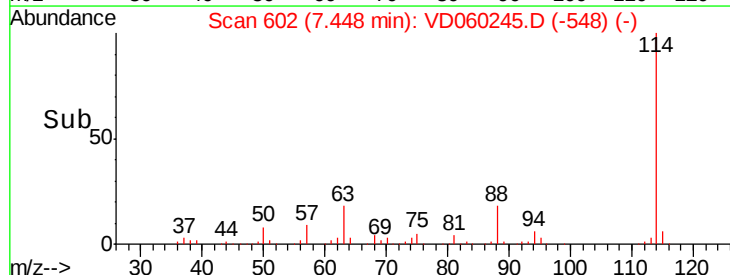
7.45

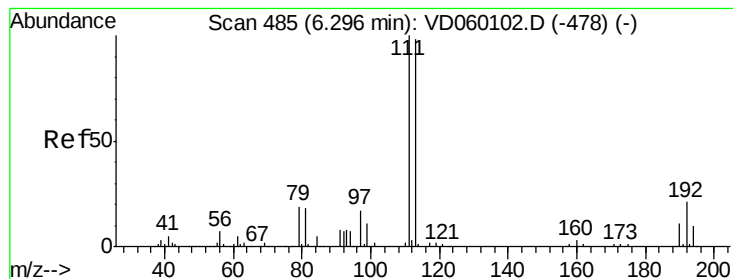
1000000

500000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 488

Delta R.T. 0.03 min

Lab File: VD060245.D

Acq: 31 Oct 2018 16:52

Instrument :

MSVOA_D

ClientSampleId :

OK-01-103018

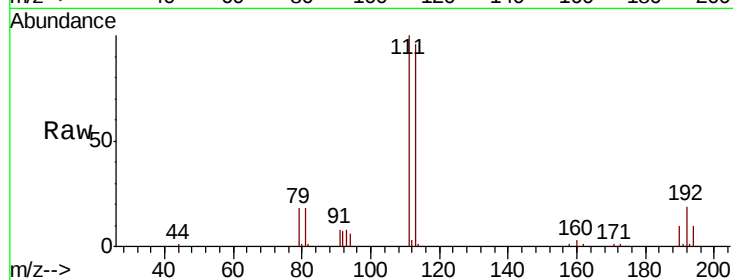
Tot Ion:113 Resp: 787652

Ion Ratio Lower Upper

113 100

111 104.2 81.5 122.3

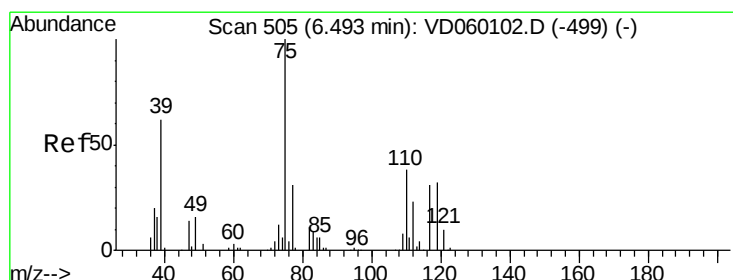
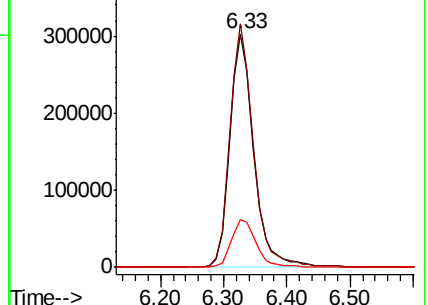
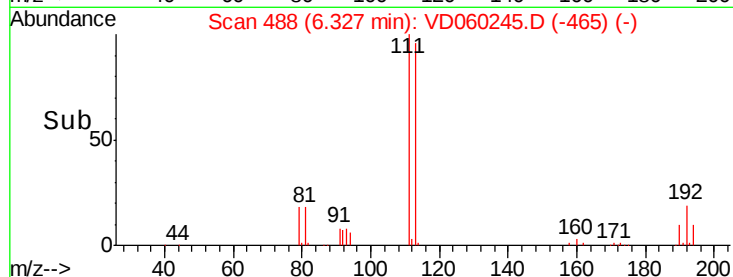
192 20.3 17.4 26.0



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: 4.991 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.09 min

Lab File: VD060245.D

Acq: 31 Oct 2018 16:52

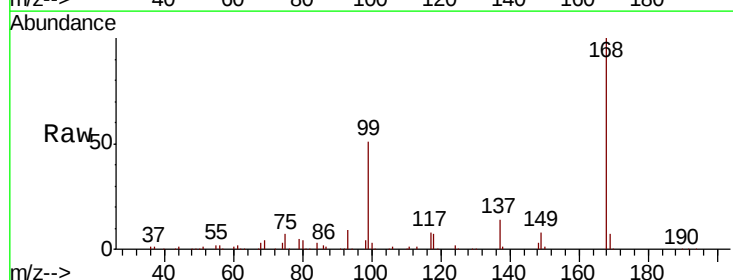
Tgt Ion: 75 Resp: 116848

Ion Ratio Lower Upper

75 100

110 6.6 19.0 57.0#

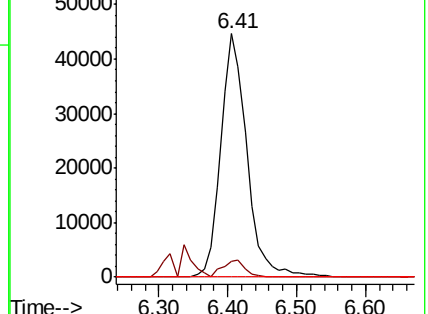
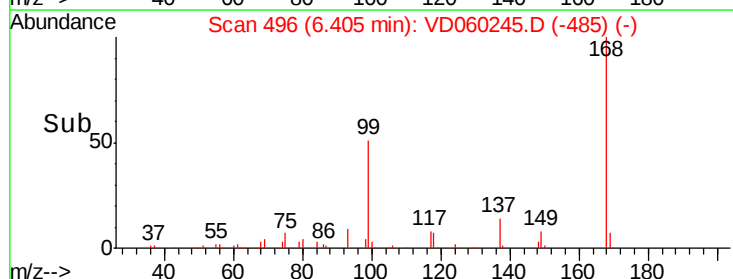
77 0.0 24.9 37.3#

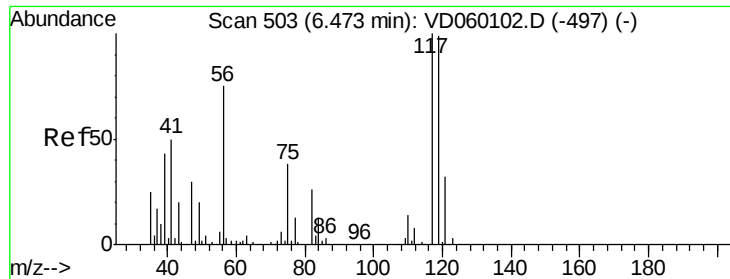


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

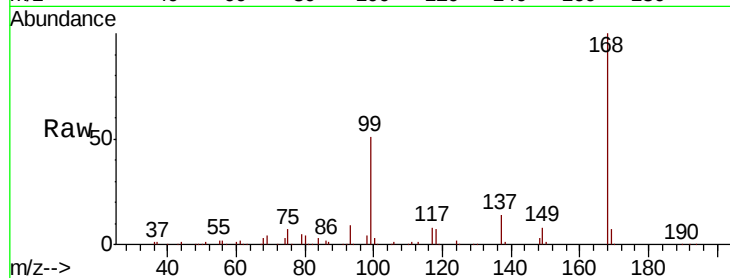




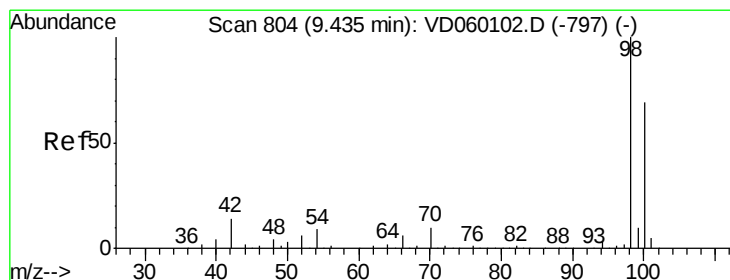
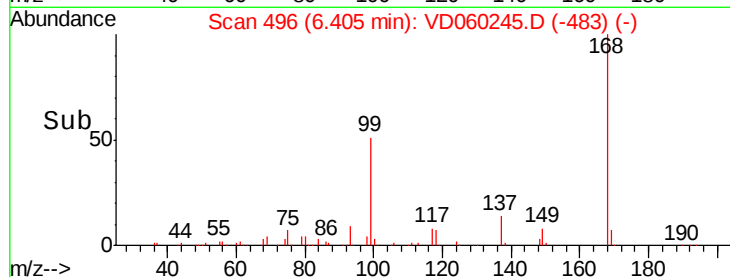
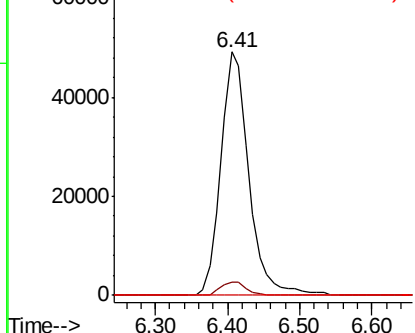
#38
Carbon Tetrachloride
Concen: 6.204 ug/l
RT: 6.41 min Scan# 496
Delta R.T. -0.07 min
Lab File: VD060245.D
Acq: 31 Oct 2018 16:52

Instrument :
MSVOA_D
ClientSampleId :
OK-01-103018

Tot Ion:117 Resp: 131830
Ion Ratio Lower Upper
117 100
119 5.3 77.8 116.6#
121 0.0 24.8 37.2#

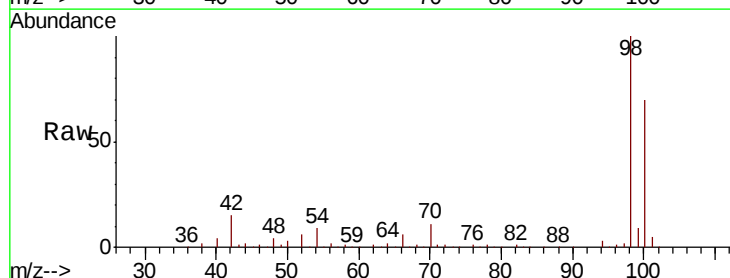


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

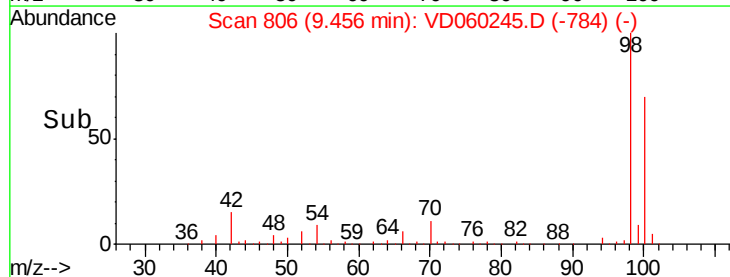
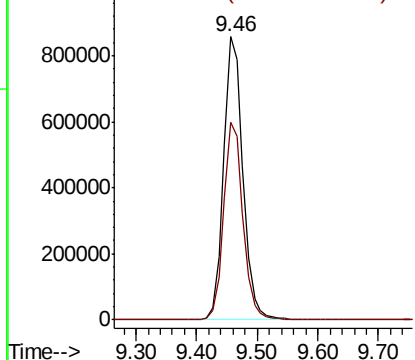


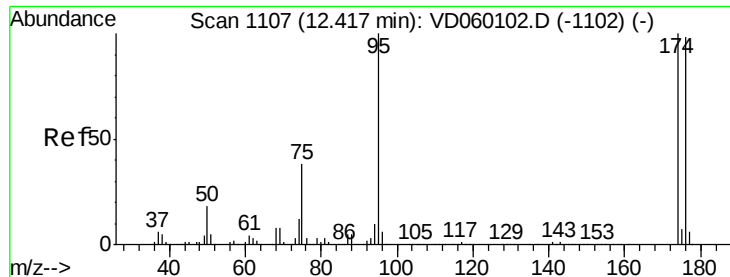
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060245.D
Acq: 31 Oct 2018 16:52

Tgt Ion: 98 Resp: 1896485
Ion Ratio Lower Upper
98 100
100 69.8 55.4 83.0



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

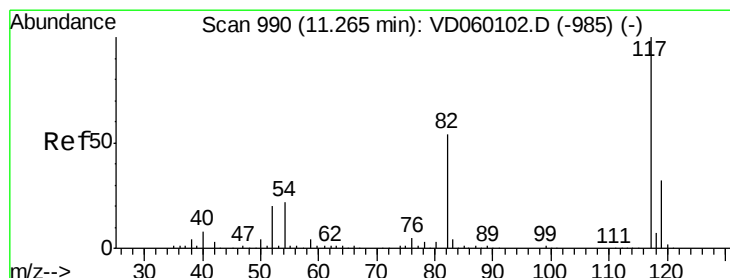
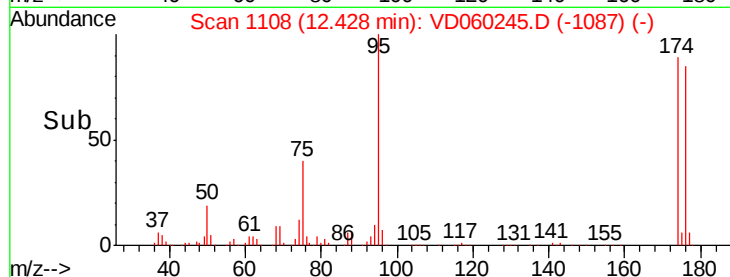
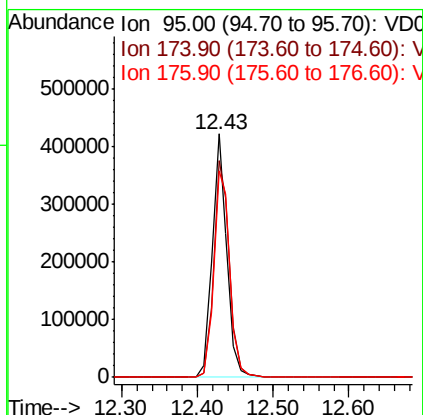
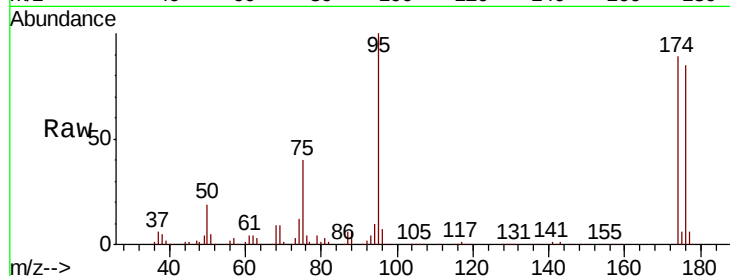




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VD060245.D
Acq: 31 Oct 2018 16:52

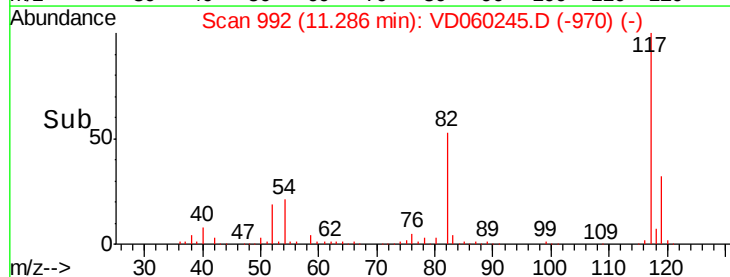
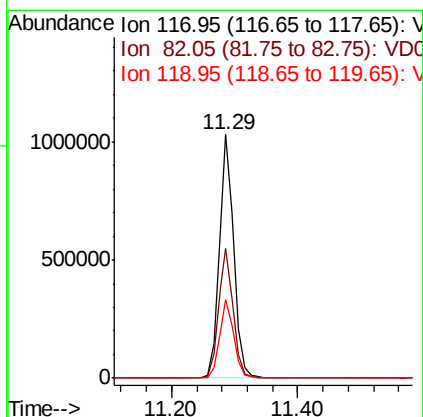
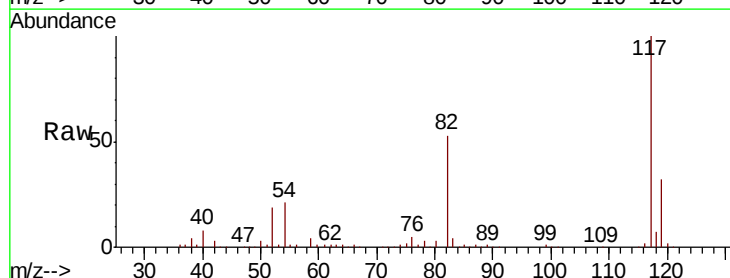
Instrument :
MSVOA_D
ClientSampleId :
OK-01-103018

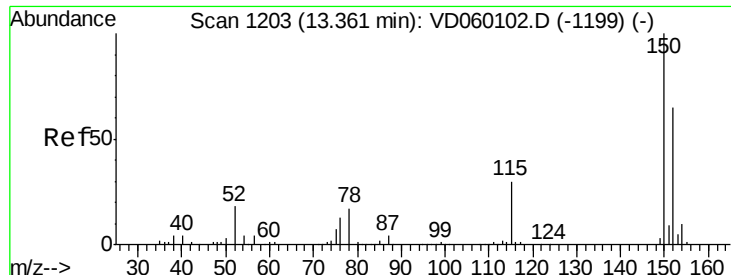
Tot Ion: 95 Resp: 571988
Ion Ratio Lower Upper
95 100
174 89.1 0.0 200.2
176 85.1 0.0 195.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060245.D
Acq: 31 Oct 2018 16:52

Tgt Ion: 117 Resp: 1665199
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.2
119 32.3 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060245.D

Acq: 31 Oct 2018 16:52

Instrument :

MSVOA_D

ClientSampleId :

OK-01-103018

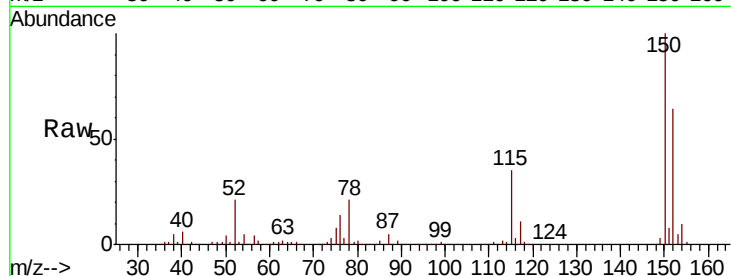
Tot Ion:152 Resp: 579807

Ion Ratio Lower Upper

152 100

115 53.8 27.1 81.2

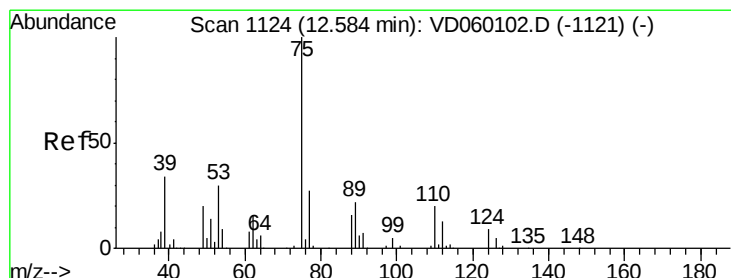
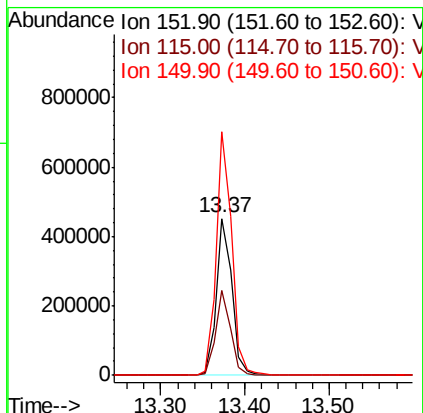
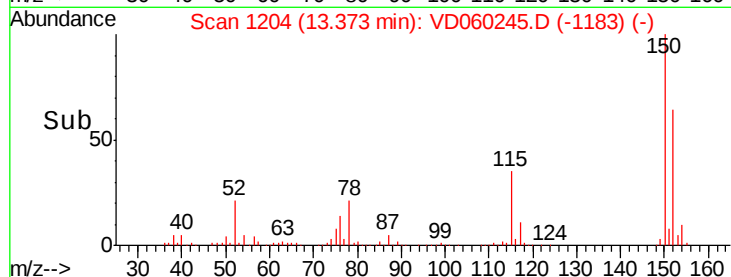
150 155.4 0.0 311.8



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: 26.854 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.16 min

Lab File: VD060245.D

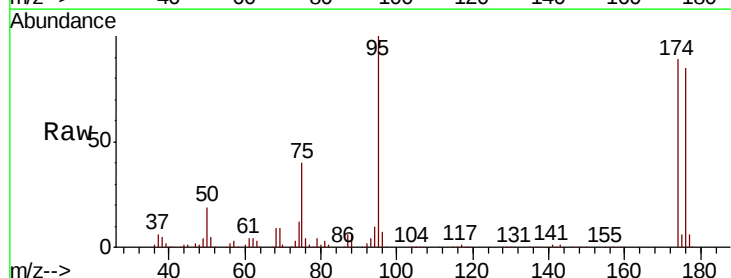
Acq: 31 Oct 2018 16:52

Tgt Ion: 75 Resp: 224225

Ion Ratio Lower Upper

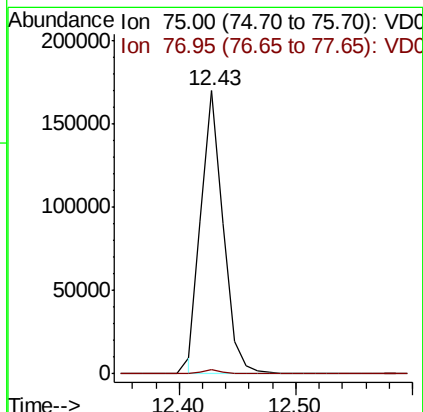
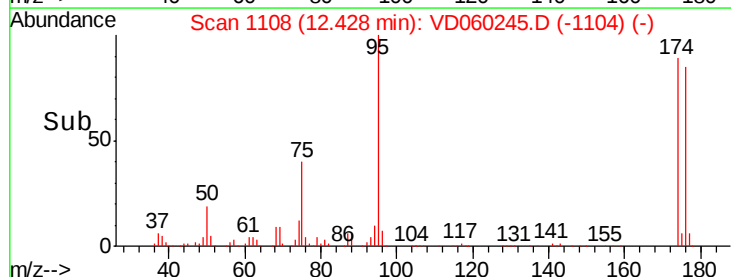
75 100

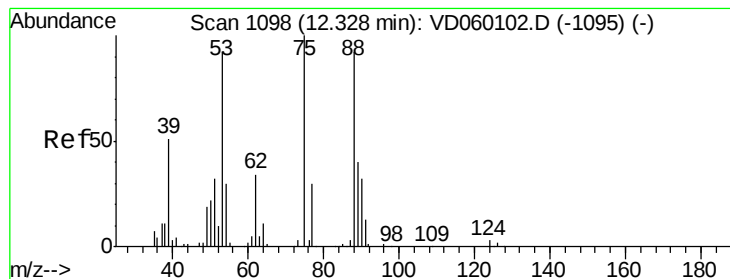
77 1.5 16.3 48.9#



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: 97.935 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.10 min

Lab File: VD060245.D

Acq: 31 Oct 2018 16:52

Instrument :

MSVOA_D

ClientSampleId :

OK-01-103018

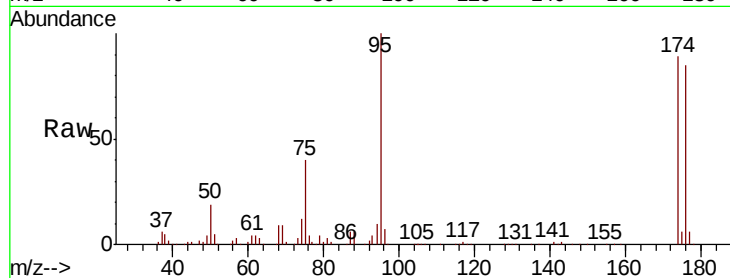
Tot Ion: 75 Resp: 229778

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

