

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100918\
 Data File : VD060150.D
 Acq On : 9 Oct 2018 14:48
 Operator : VA/AP
 Sample : J5200-05
 Misc : 6.28g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-100818-A

Quant Time: Oct 10 01:14:52 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	6.39	168	1481726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2015478	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1592941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	730675	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	743971	66.24	ug/l	0.00
Spiked Amount			Recovery	=	132.48%	
35) Dibromofluoromethane	6.30	113	923200	60.32	ug/l	0.00
Spiked Amount			Recovery	=	120.64%	
50) Toluene-d8	9.44	98	2469789	56.59	ug/l	0.00
Spiked Amount			Recovery	=	113.18%	
62) 4-Bromofluorobenzene	12.41	95	885111	54.17	ug/l	0.00
Spiked Amount			Recovery	=	108.34%	

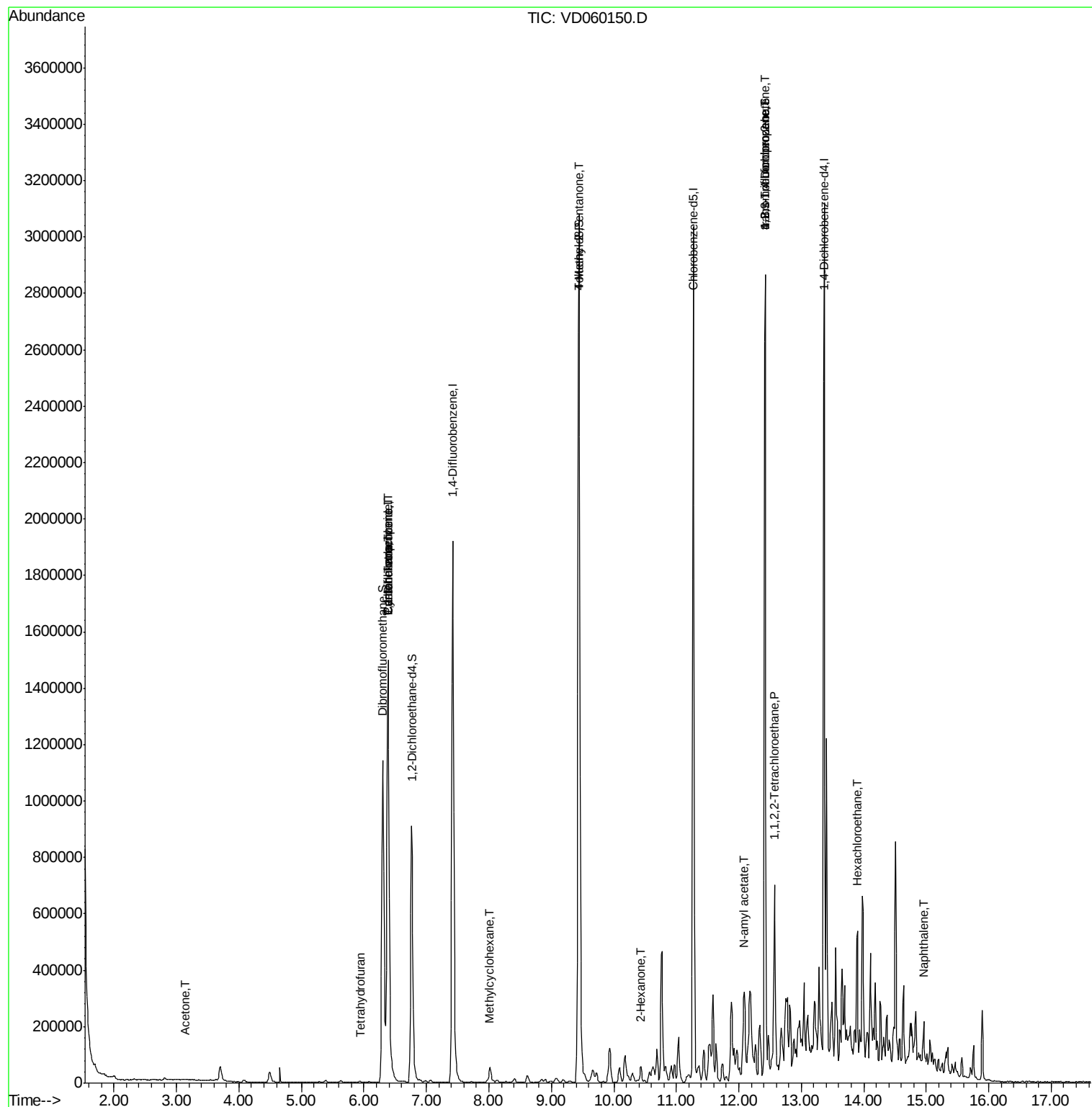
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.14	43	6666	3.271	ug/l #	54
20) Methylene Chloride	3.70	84	31237	Below Cal		96
29) Tetrahydrofuran	5.94	42	3562	1.204	ug/l #	70
31) Cyclohexane	6.38	56	37703	1.549	ug/l #	1
36) 1,1-Dichloropropene	6.39	75	100350	5.210	ug/l #	46
38) Carbon Tetrachloride	6.39	117	115693	6.618	ug/l #	15
39) Methylcyclohexane	8.02	83	26819	1.226	ug/l	93
51) 4-Methyl-2-Pentanone	9.43	43	19898	1.876	ug/l #	1
59) 2-Hexanone	10.43	43	34912	4.577	ug/l #	30
74) N-amyl acetate	12.08	43	49874	2.825	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	12.57	83	41994	3.990	ug/l #	40
76) 1,2,3-Trichloropropane	12.41	75	304416	28.930	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.41	75	348724	117.943	ug/l #	14
90) Hexachloroethane	13.90	117	16770	1.745	ug/l #	15
95) Naphthalene	14.96	128	89229	3.456	ug/l	98

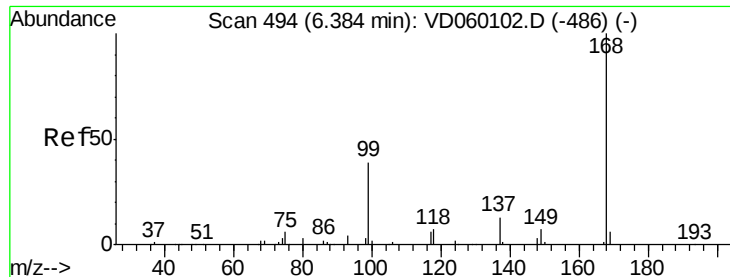
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100918\
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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: 6.39 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD060150.D

Acq: 9 Oct 2018 14:48

Instrument :

MSVOA_D

ClientSampleId :

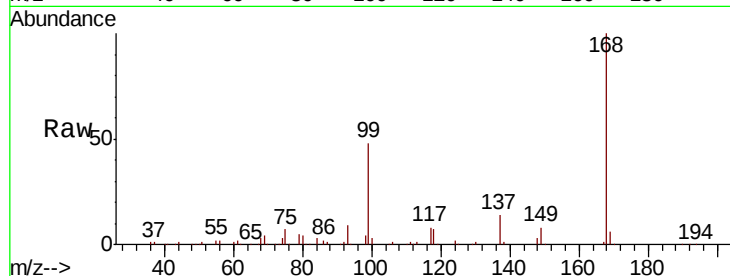
OR-03-100818-A

Tot Ion:168 Resp: 1481726

Ion Ratio Lower Upper

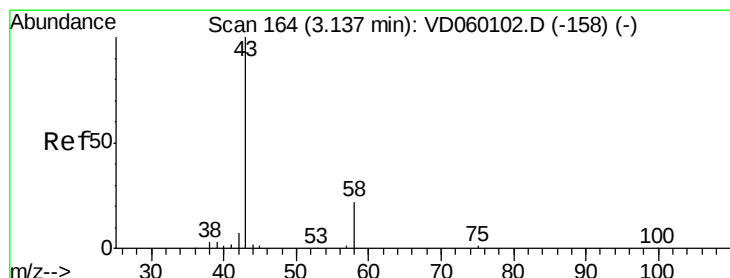
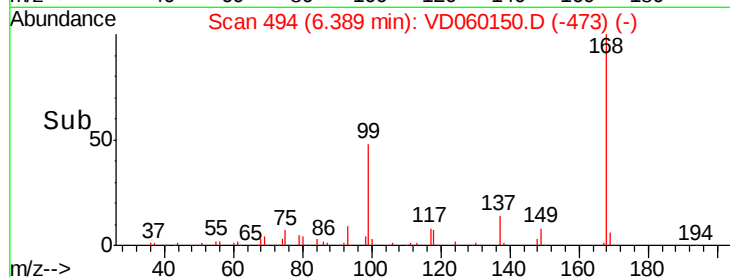
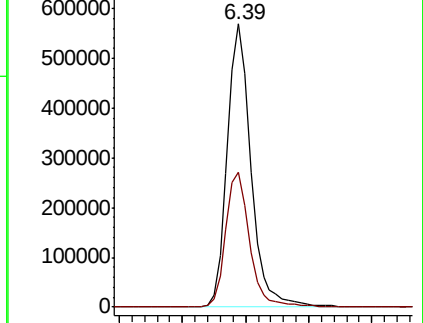
168 100

99 47.9 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 3.271 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD060150.D

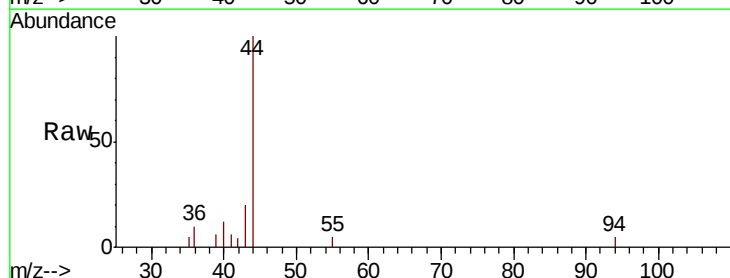
Acq: 9 Oct 2018 14:48

Tgt Ion: 43 Resp: 6666

Ion Ratio Lower Upper

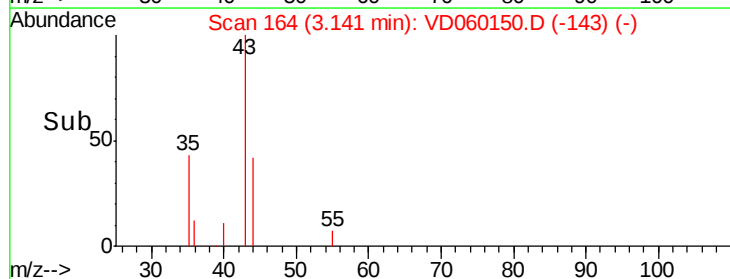
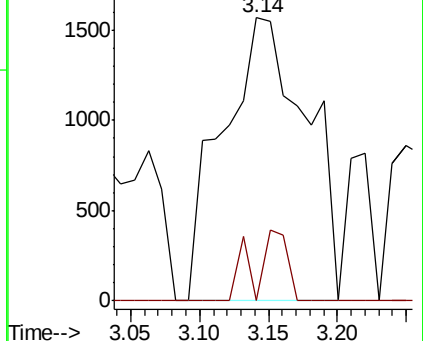
43 100

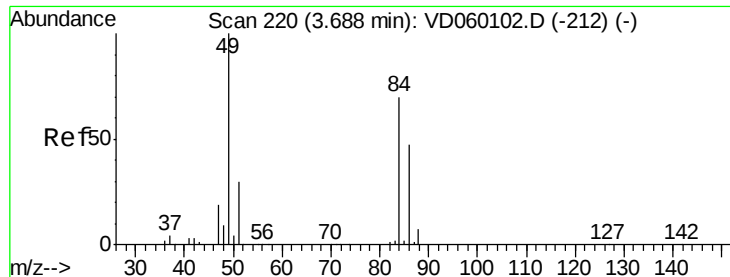
58 0.0 17.7 26.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

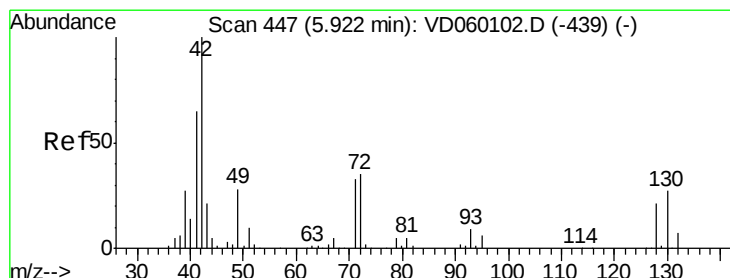
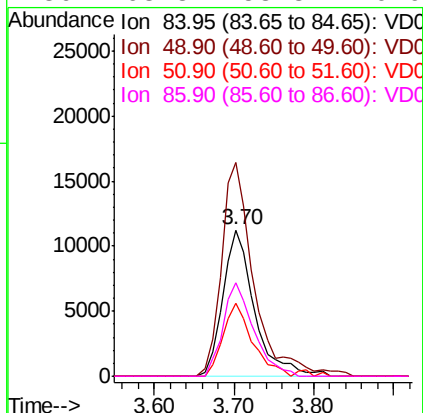
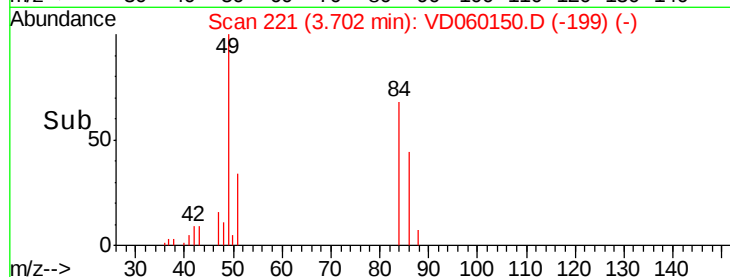
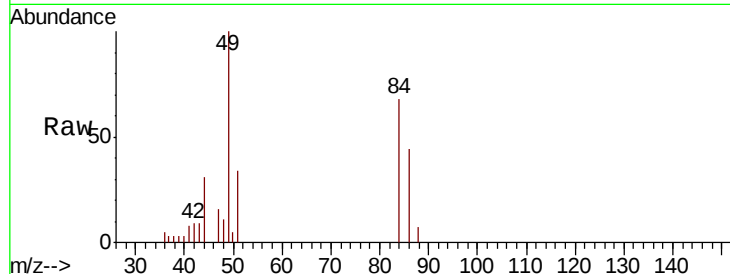




#20
Methvlene Chloride
Concen: Below Cal
RT: 3.70 min Scan# 221
Delta R.T. 0.02 min
Lab File: VD060150.D
Acq: 9 Oct 2018 14:48

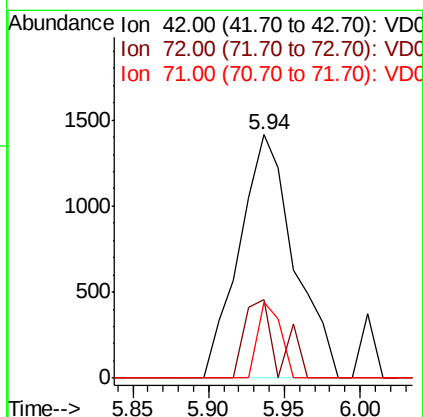
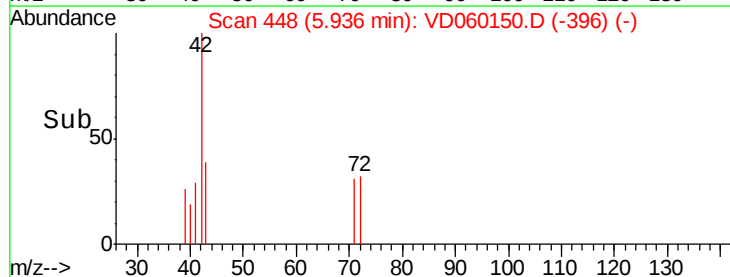
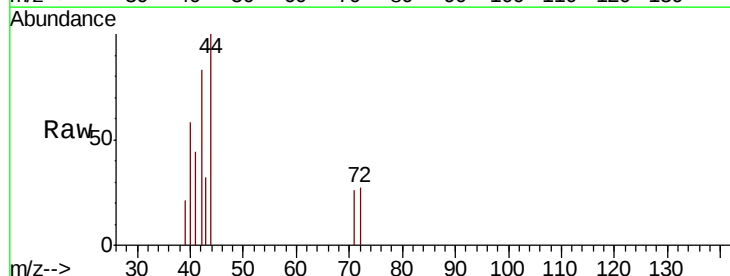
Instrument :
MSVOA_D
ClientSampleId :
OR-03-100818-A

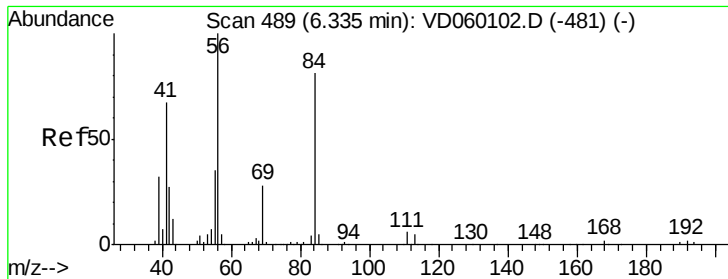
Tot Ion:	84	Resp:	31237
Ion	Ratio	Lower	Upper
84	100		
49	146.3	114.6	172.0
51	49.6	33.8	50.8
86	63.8	53.3	79.9



#29
Tetrahydrofuran
Concen: 1.204 ug/l
RT: 5.94 min Scan# 448
Delta R.T. 0.01 min
Lab File: VD060150.D
Acq: 9 Oct 2018 14:48

Tgt Ion:	42	Resp:	3562
Ion	Ratio	Lower	Upper
42	100		
72	19.5	26.9	40.3#
71	13.1	26.7	40.1#

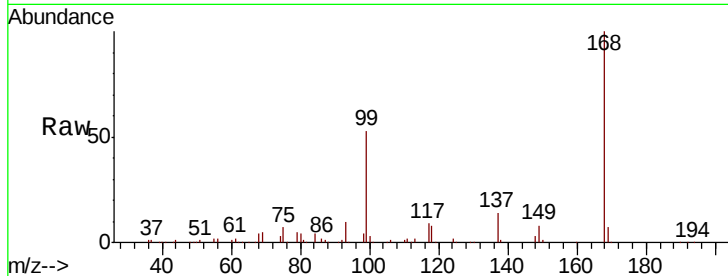




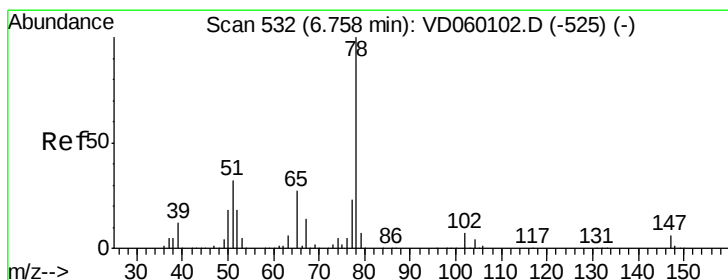
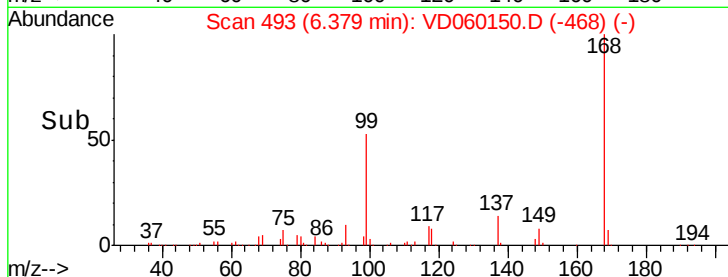
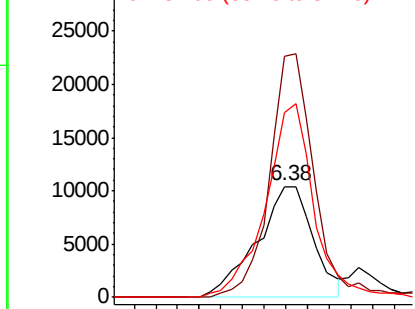
#31
Cyclohexane
Concen: 1.549 ug/l
RT: 6.38 min Scan# 493
Delta R.T. 0.04 min
Lab File: VD060150.D
Acq: 9 Oct 2018 14:48

Instrument :
MSVOA_D
ClientSampleId :
OR-03-100818-A

Tot Ion: 56 Resp: 37703
Ion Ratio Lower Upper
56 100
69 216.9 22.8 34.2#
84 166.4 64.9 97.3#

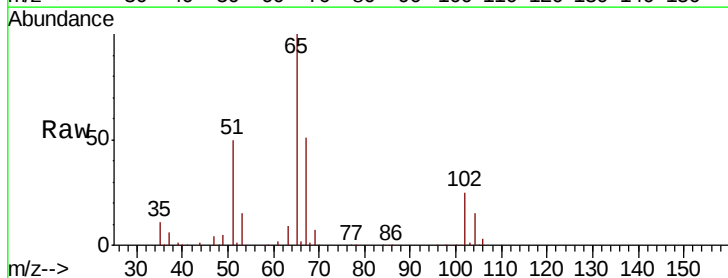


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

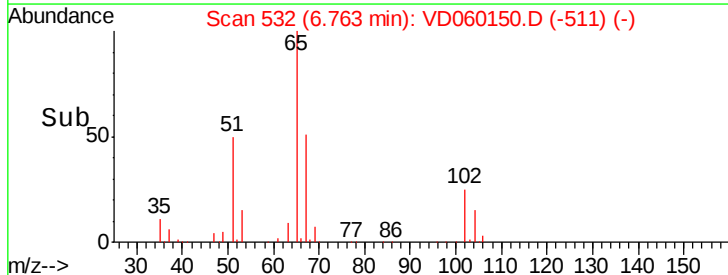
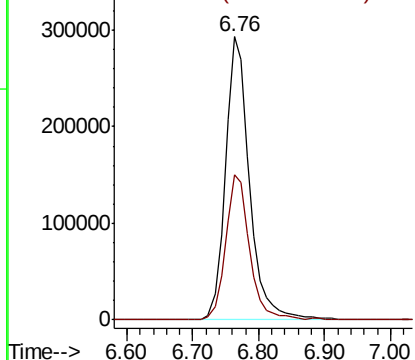


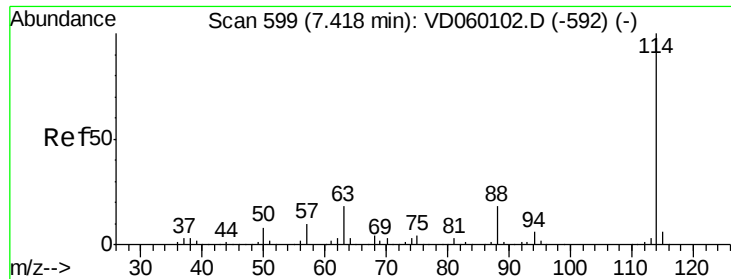
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.76 min Scan# 532
Delta R.T. 0.00 min
Lab File: VD060150.D
Acq: 9 Oct 2018 14:48

Tgt Ion: 65 Resp: 743971
Ion Ratio Lower Upper
65 100
67 51.1 0.0 106.2



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

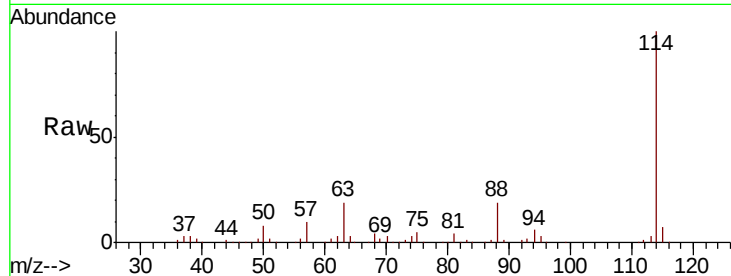




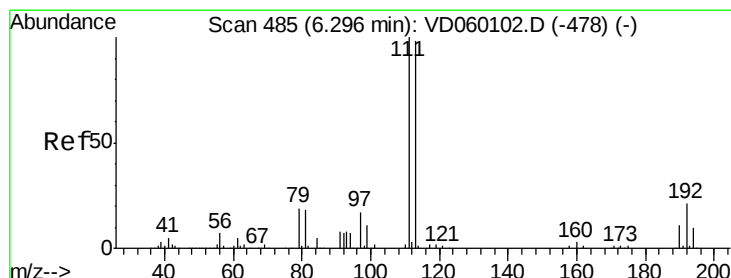
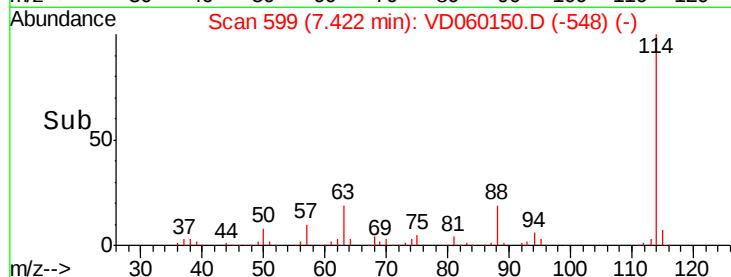
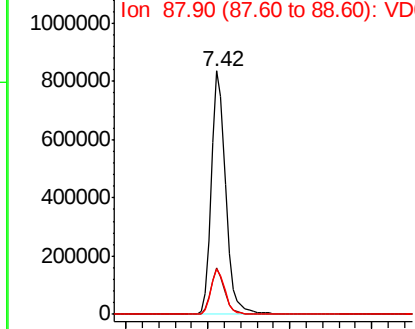
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: VD060150.D
 Acq: 9 Oct 2018 14:48

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-100818-A

Tot Ion:114 Resp: 2015478
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 36.0
 88 18.7 0.0 36.2

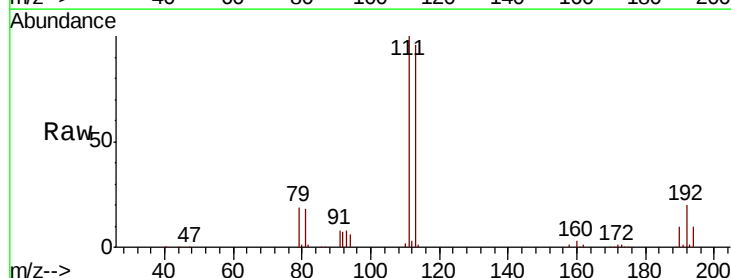


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

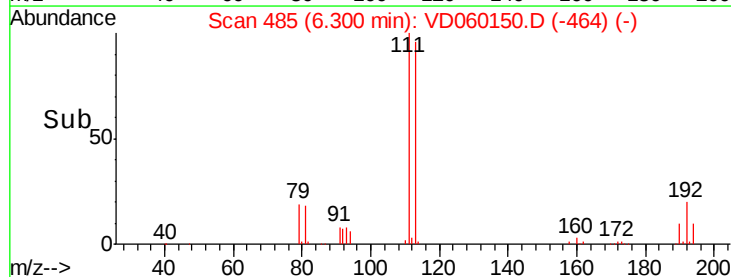
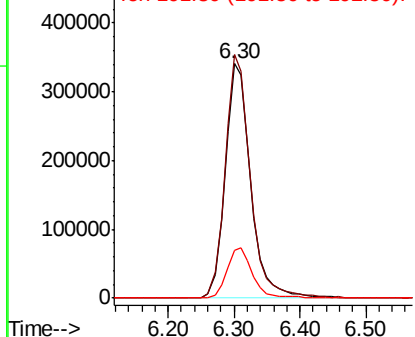


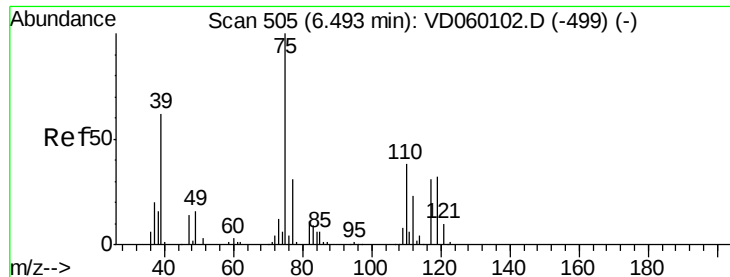
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VD060150.D
 Acq: 9 Oct 2018 14:48

Tgt Ion:113 Resp: 923200
 Ion Ratio Lower Upper
 113 100
 111 103.9 81.5 122.3
 192 20.7 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: 5.210 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.10 min

Lab File: VD060150.D

Acq: 9 Oct 2018 14:48

Instrument :

MSVOA_D

ClientSampleId :

OR-03-100818-A

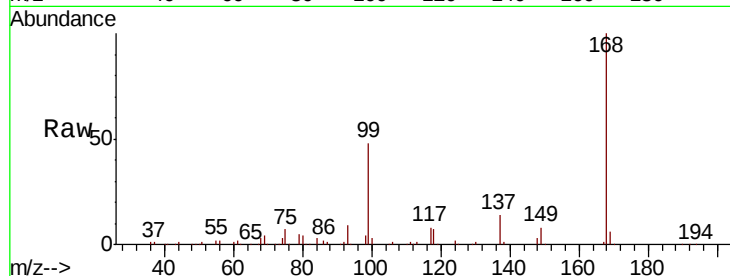
Tot Ion: 75 Resp: 100350

Ion Ratio Lower Upper

75 100

110 7.0 19.0 57.0#

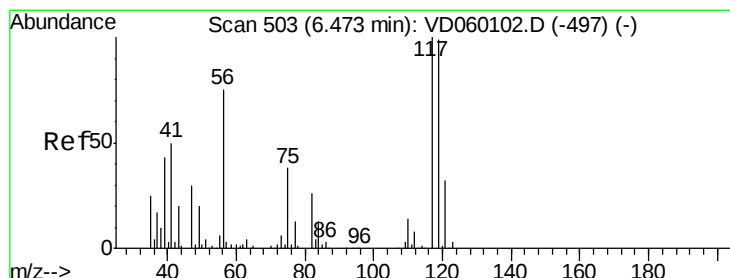
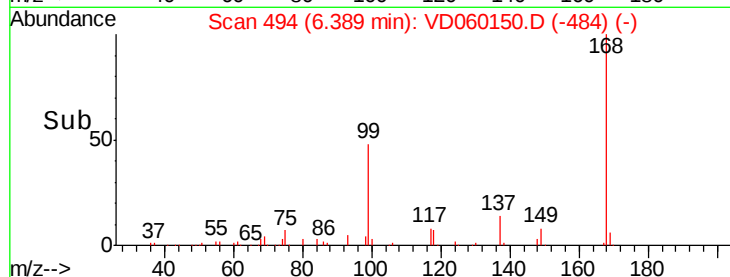
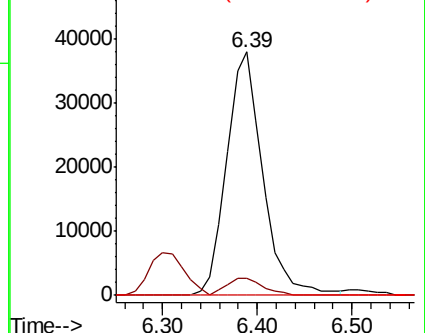
77 0.0 24.9 37.3#



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: 6.618 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.08 min

Lab File: VD060150.D

Acq: 9 Oct 2018 14:48

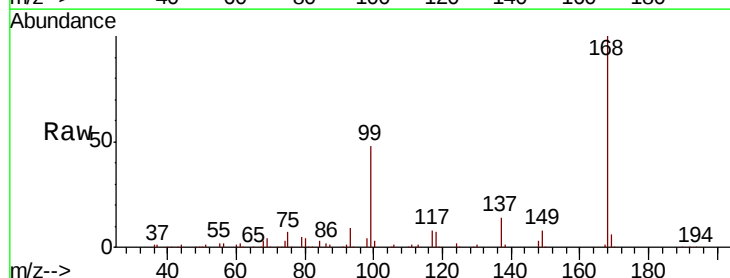
Tgt Ion: 117 Resp: 115693

Ion Ratio Lower Upper

117 100

119 4.7 77.8 116.6#

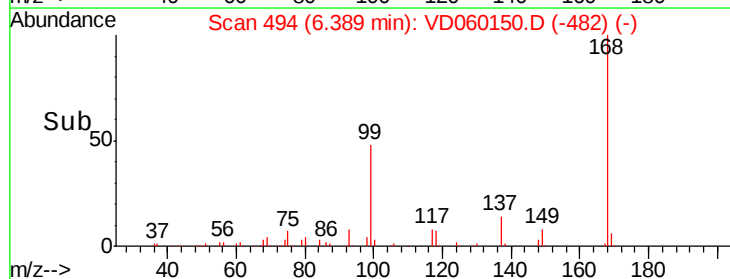
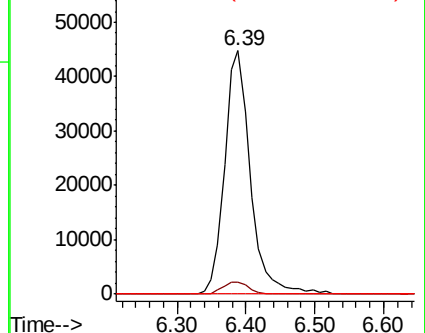
121 0.0 24.8 37.2#

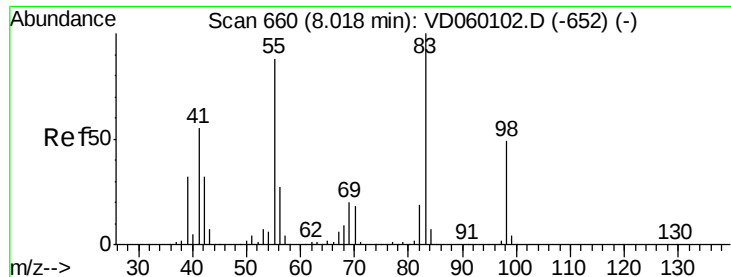


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

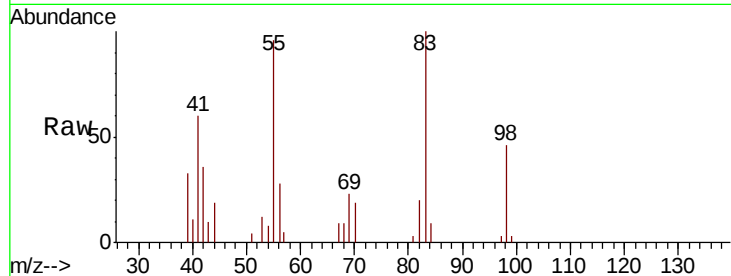




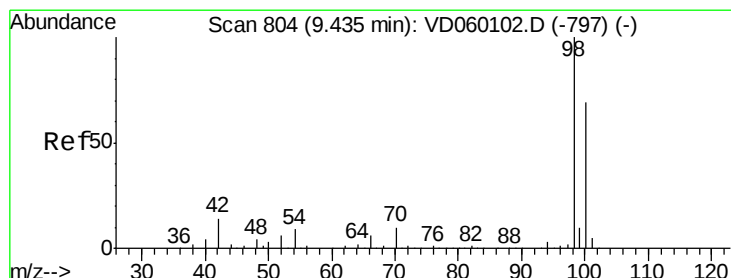
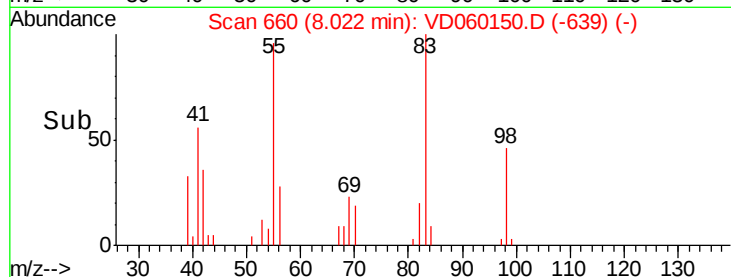
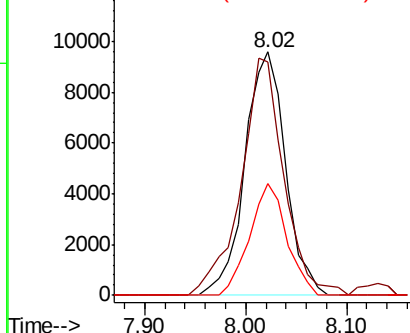
#39
Methvlcvclohexane
Concen: 1.226 ug/l
RT: 8.02 min Scan# 660
Delta R.T. 0.00 min
Lab File: VD060150.D
Acq: 9 Oct 2018 14:48

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Tot Ion: 83 Resp: 26819
Ion Ratio Lower Upper
83 100
55 95.9 70.5 105.7
98 45.8 39.4 59.2

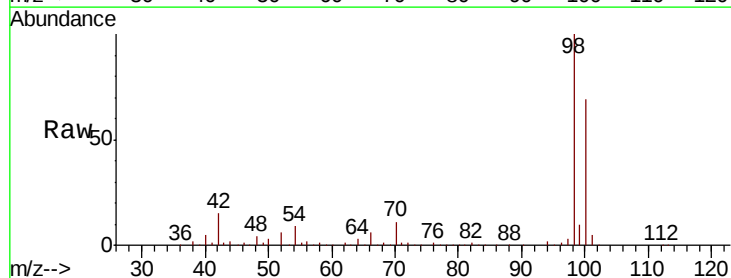


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

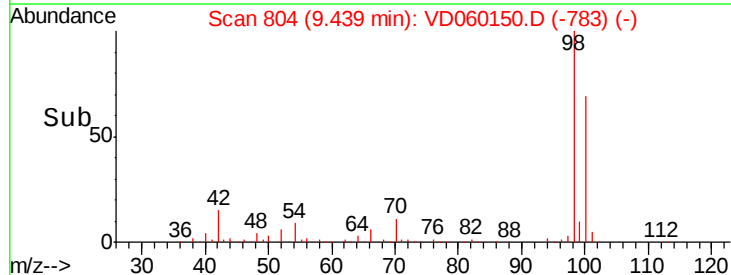
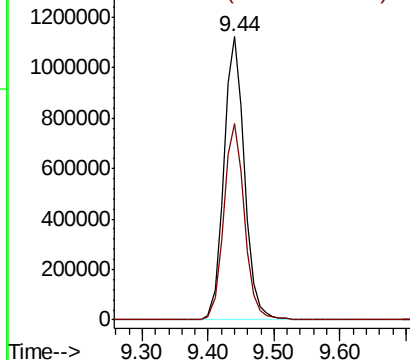


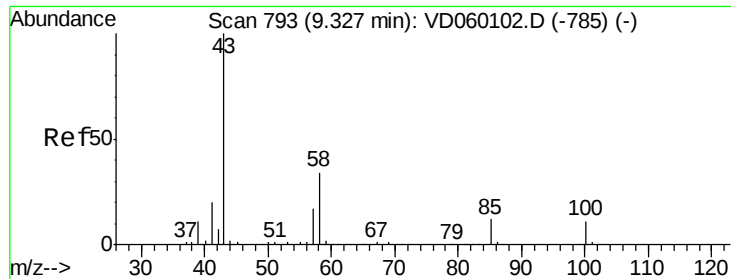
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 804
Delta R.T. 0.00 min
Lab File: VD060150.D
Acq: 9 Oct 2018 14:48

Tgt Ion: 98 Resp: 2469789
Ion Ratio Lower Upper
98 100
100 69.3 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: 1.876 ug/l

RT: 9.43 min Scan# 803

Delta R.T. 0.10 min

Lab File: VD060150.D

Acq: 9 Oct 2018 14:48

Instrument :

MSVOA_D

ClientSampleId :

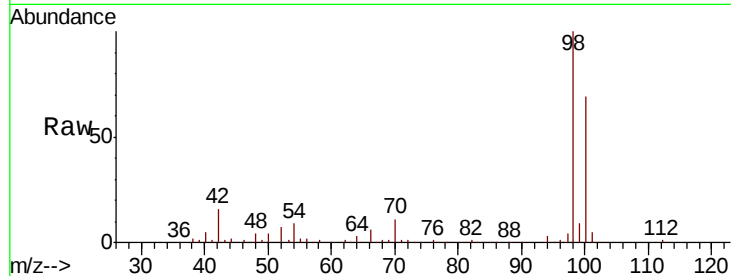
OR-03-100818-A

Tot Ion: 43 Resp: 19898

Ion Ratio Lower Upper

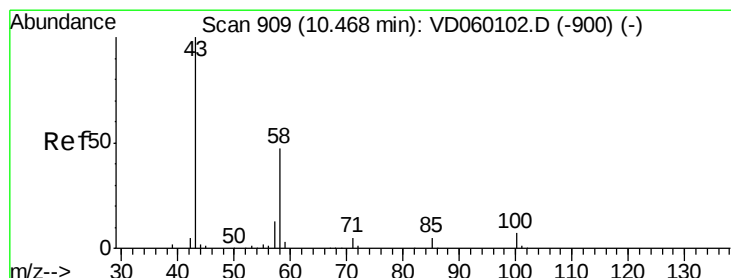
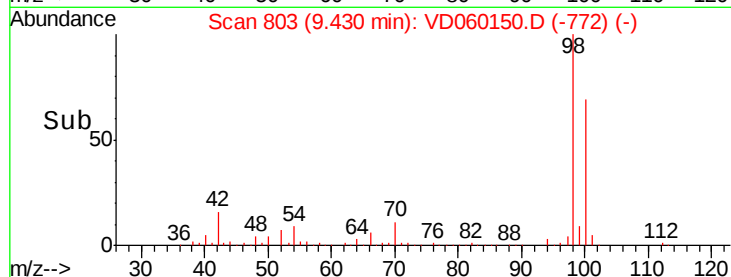
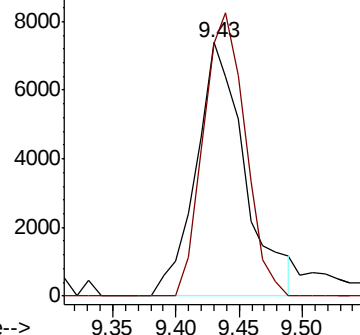
43 100

58 99.6 27.2 40.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#59

2-Hexanone

Concen: 4.577 ug/l

RT: 10.43 min Scan# 905

Delta R.T. -0.03 min

Lab File: VD060150.D

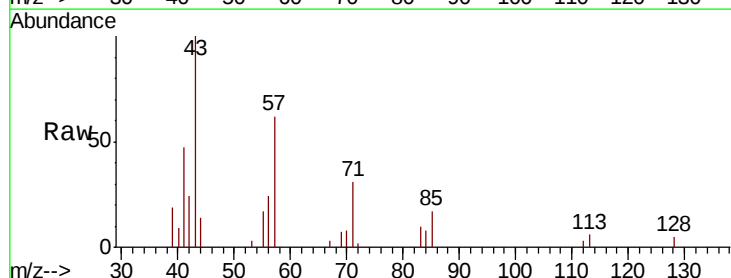
Acq: 9 Oct 2018 14:48

Tgt Ion: 43 Resp: 34912

Ion Ratio Lower Upper

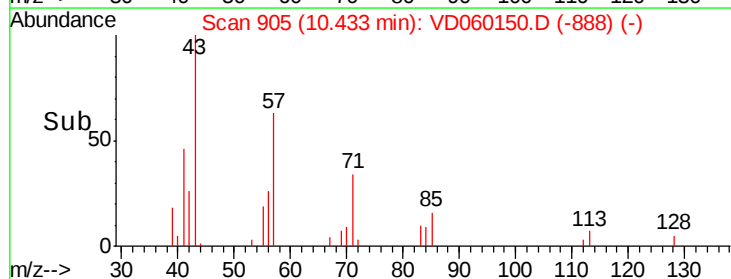
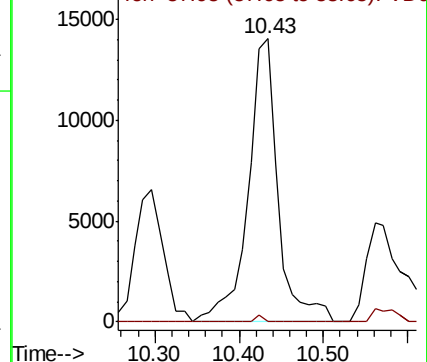
43 100

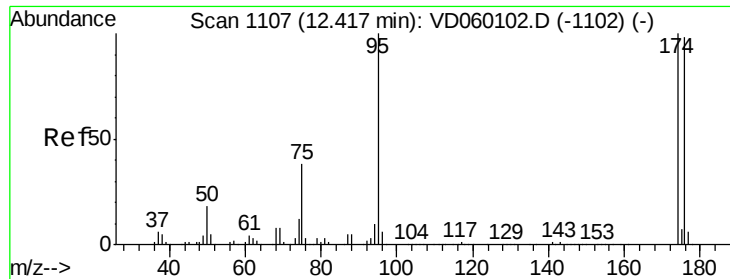
58 0.0 23.3 69.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

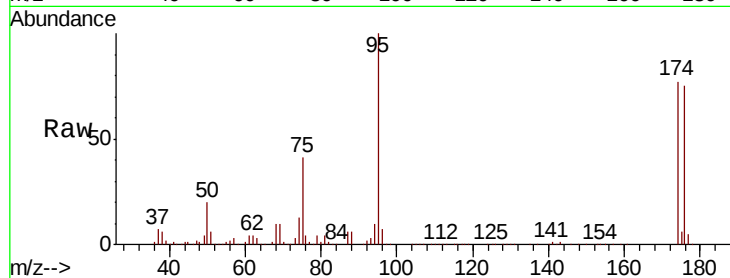




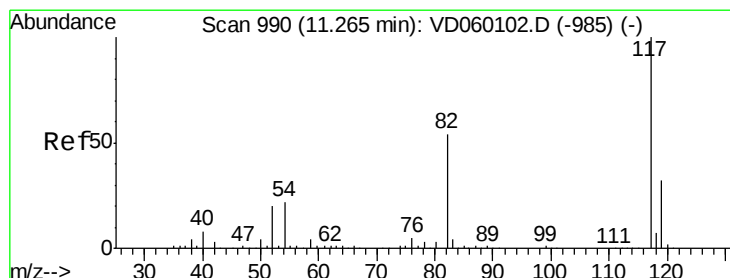
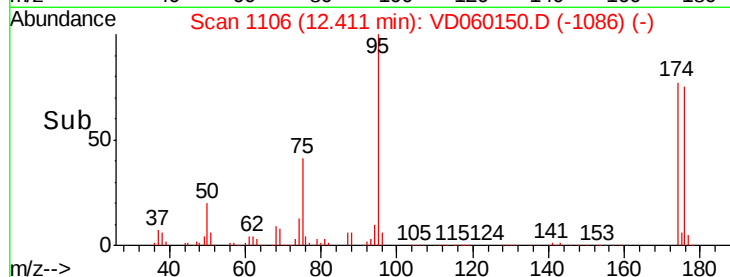
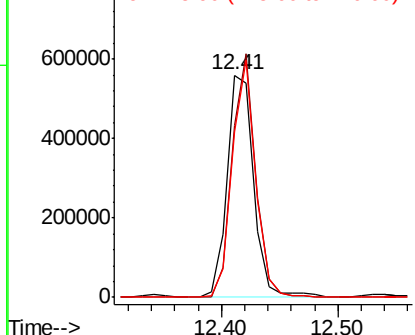
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.41 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD060150.D
Acq: 9 Oct 2018 14:48

Instrument :
MSVOA_D
ClientSampleId :
OR-03-100818-A

Tot Ion: 95 Resp: 885111
Ion Ratio Lower Upper
95 100
174 77.2 0.0 200.2
176 74.5 0.0 195.6

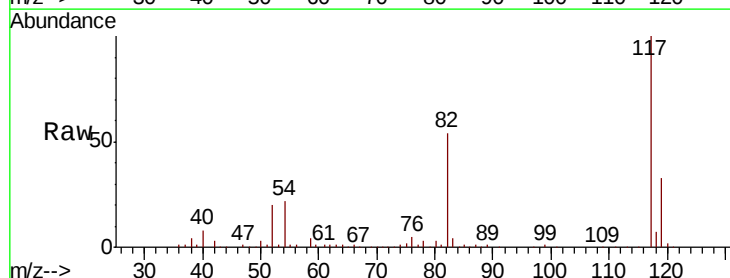


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

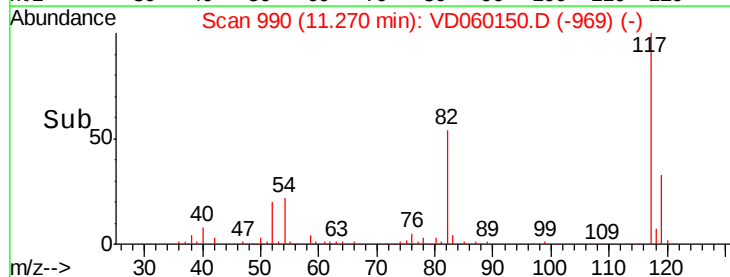
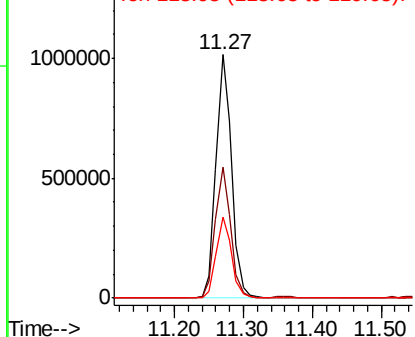


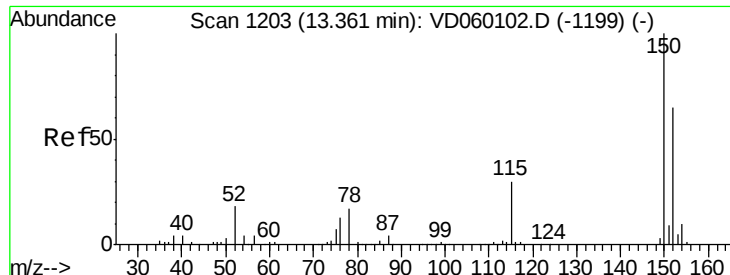
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VD060150.D
Acq: 9 Oct 2018 14:48

Tgt Ion: 117 Resp: 1592941
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.2
119 33.1 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# 1203

Delta R.T. 0.00 min

Lab File: VD060150.D

Acq: 9 Oct 2018 14:48

Instrument :

MSVOA_D

ClientSampleId :

OR-03-100818-A

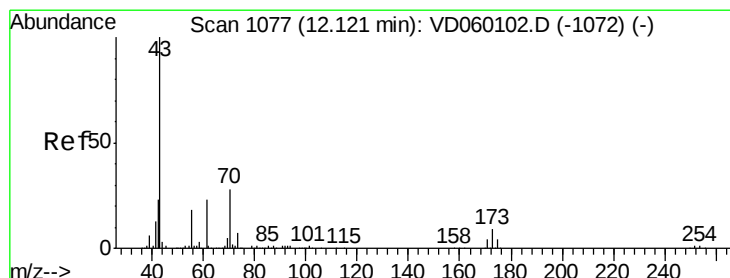
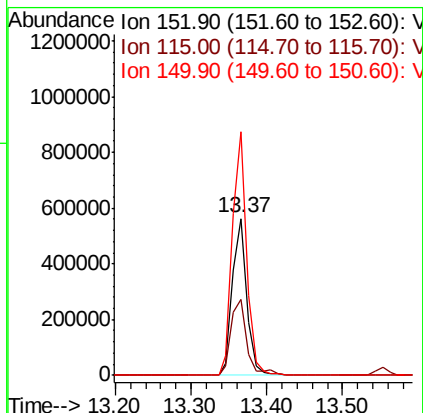
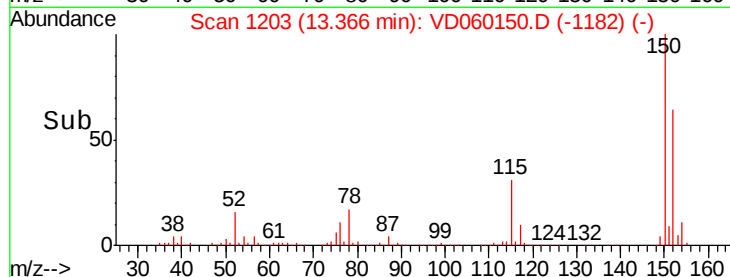
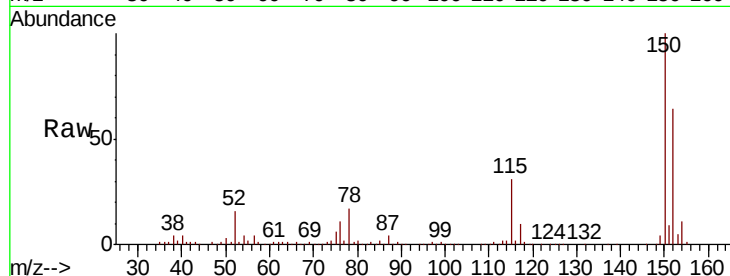
Tot Ion:152 Resp: 730675

Ion Ratio Lower Upper

152 100

115 48.2 27.1 81.2

150 155.5 0.0 311.8



#74

N-ethyl acetate

Concen: 2.825 ug/l

RT: 12.08 min Scan# 1072

Delta R.T. -0.04 min

Lab File: VD060150.D

Acq: 9 Oct 2018 14:48

Tgt Ion: 43 Resp: 49874

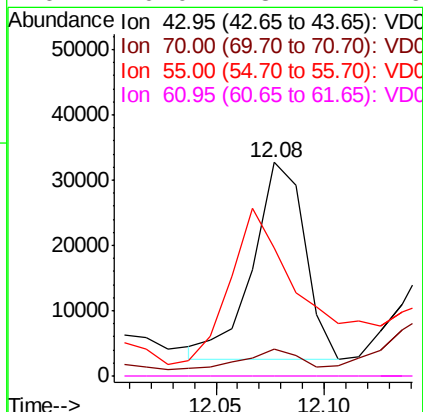
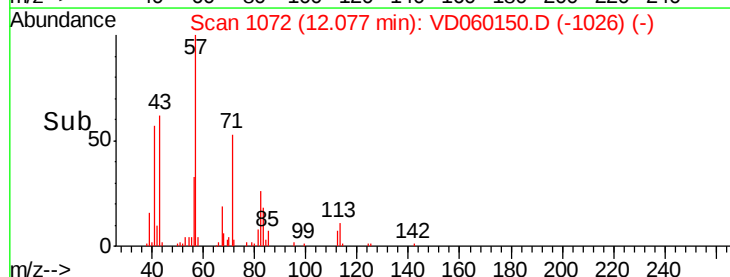
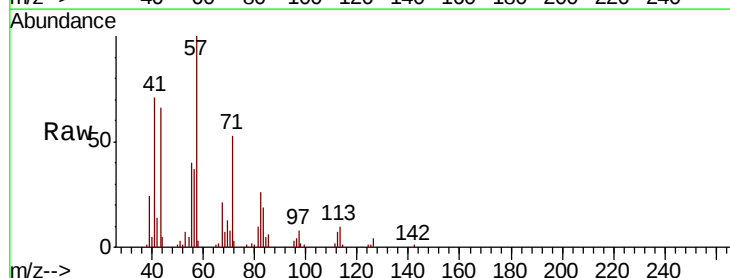
Ion Ratio Lower Upper

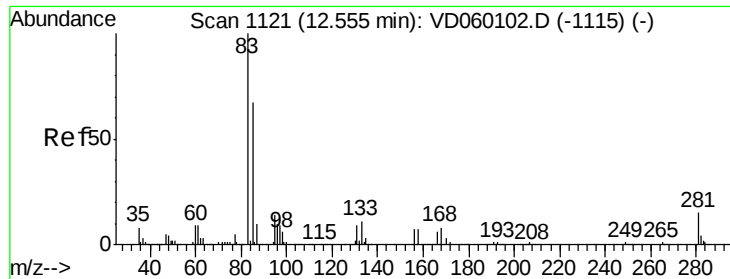
43 100

70 12.5 22.1 33.1#

55 59.8 14.1 21.1#

61 0.0 18.4 27.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 3.990 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VD060150.D

Acq: 9 Oct 2018 14:48

Instrument :

MSVOA_D

ClientSampleID :

OR-03-100818-A

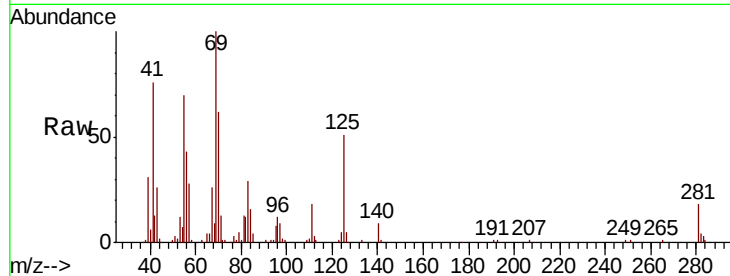
Tot Ion: 83 Resp: 41994

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.4#

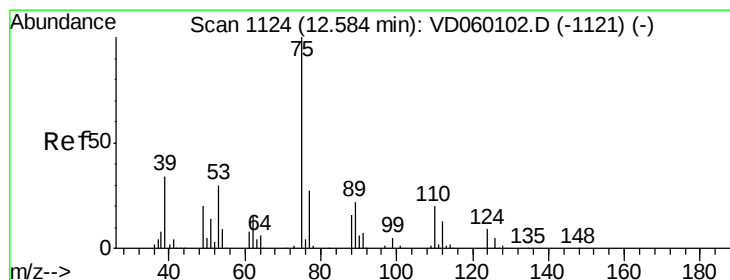
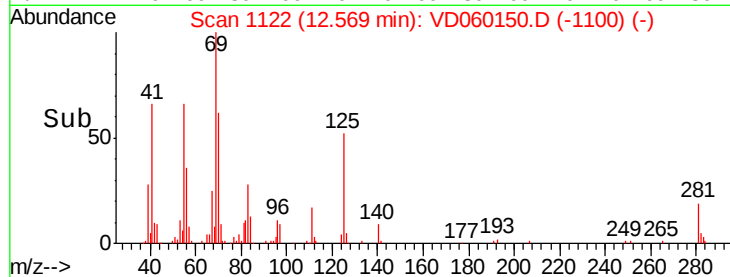
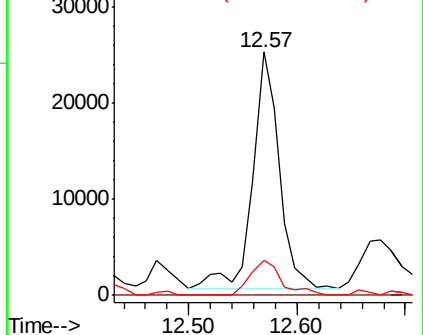
85 14.5 33.3 99.9#



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 28.930 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. -0.17 min

Lab File: VD060150.D

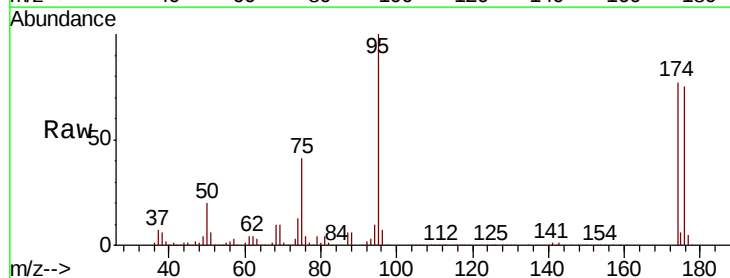
Acq: 9 Oct 2018 14:48

Tgt Ion: 75 Resp: 304416

Ion Ratio Lower Upper

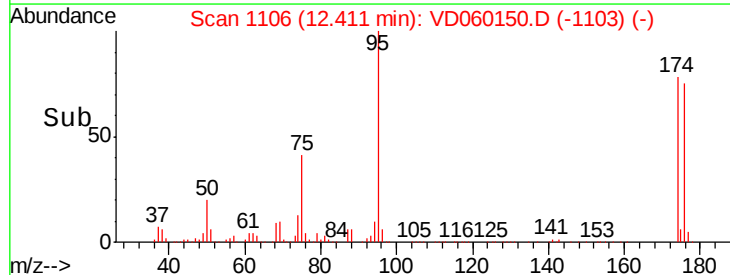
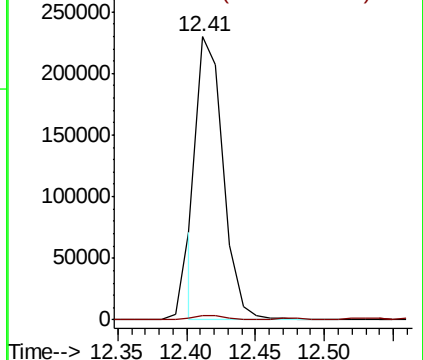
75 100

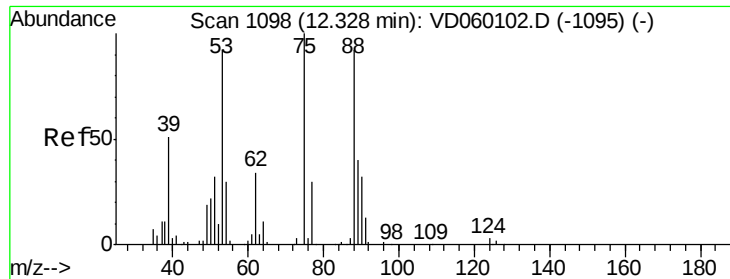
77 1.6 16.3 48.9#



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: 117.943 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. 0.08 min

Lab File: VD060150.D

Acq: 9 Oct 2018 14:48

Instrument :

MSVOA_D

ClientSampleId :

OR-03-100818-A

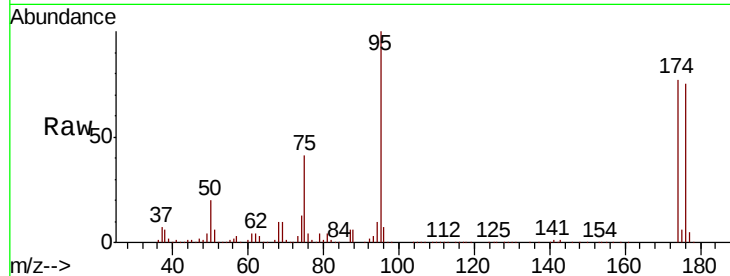
Tot Ion: 75 Resp: 348724

Ion Ratio Lower Upper

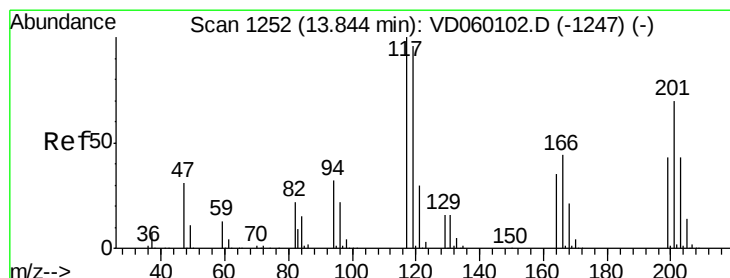
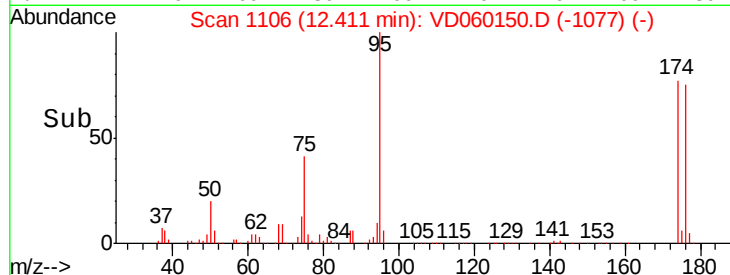
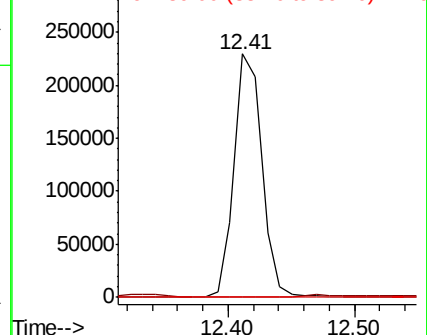
75 100

53 0.4 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



#90

Hexachloroethane

Concen: 1.745 ug/l

RT: 13.90 min Scan# 1257

Delta R.T. 0.05 min

Lab File: VD060150.D

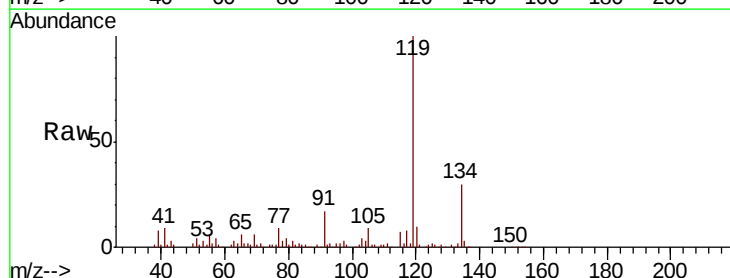
Acq: 9 Oct 2018 14:48

Tgt Ion: 117 Resp: 16770

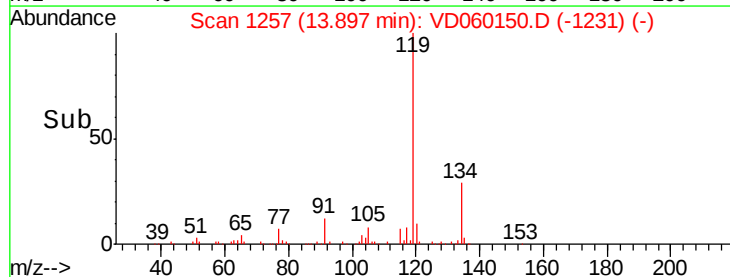
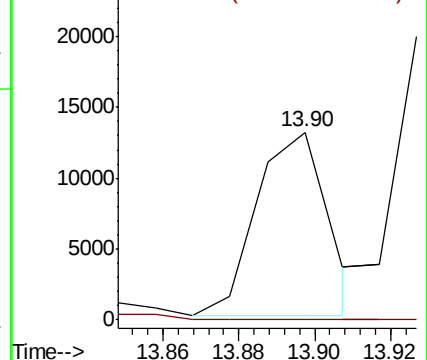
Ion Ratio Lower Upper

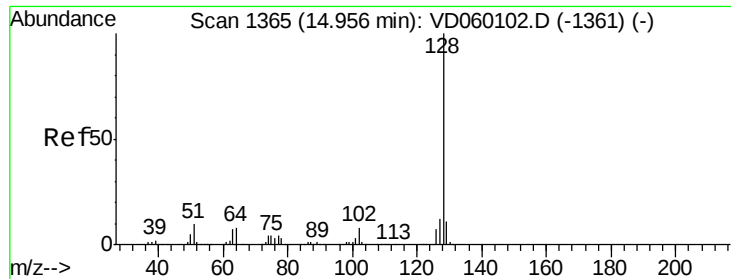
117 100

201 0.0 34.8 104.5#



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

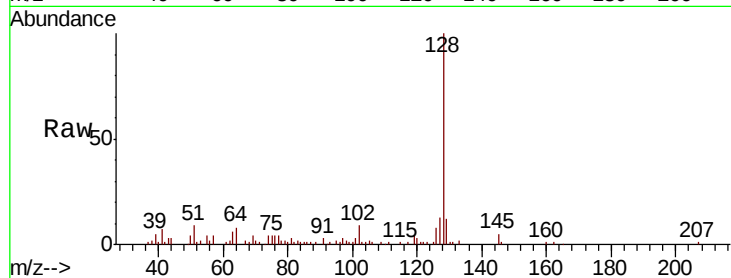




#95
Naphthalene
Concen: 3.456 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VD060150.D
Acq: 9 Oct 2018 14:48

Instrument :
MSVOA_D
ClientSampleId :
OR-03-100818-A

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	9.9	14.9
129	11.7	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

