

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102418\
 Data File : VD060182.D
 Acq On : 24 Oct 2018 15:22
 Operator : JC/SY
 Sample : J5200-15
 Misc : 6.93g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-102318-B

Quant Time: Oct 25 03:35:17 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	1771667	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2459230	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1800758	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	727993	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	736888	54.87	ug/l	0.02
Spiked Amount			Recovery	=	109.74%	
35) Dibromofluoromethane	6.31	113	945278	50.62	ug/l	0.02
Spiked Amount			Recovery	=	101.24%	
50) Toluene-d8	9.45	98	2435110	45.73	ug/l	0.02
Spiked Amount			Recovery	=	91.46%	
62) 4-Bromofluorobenzene	12.42	95	794440	39.84	ug/l	0.00
Spiked Amount			Recovery	=	79.68%	

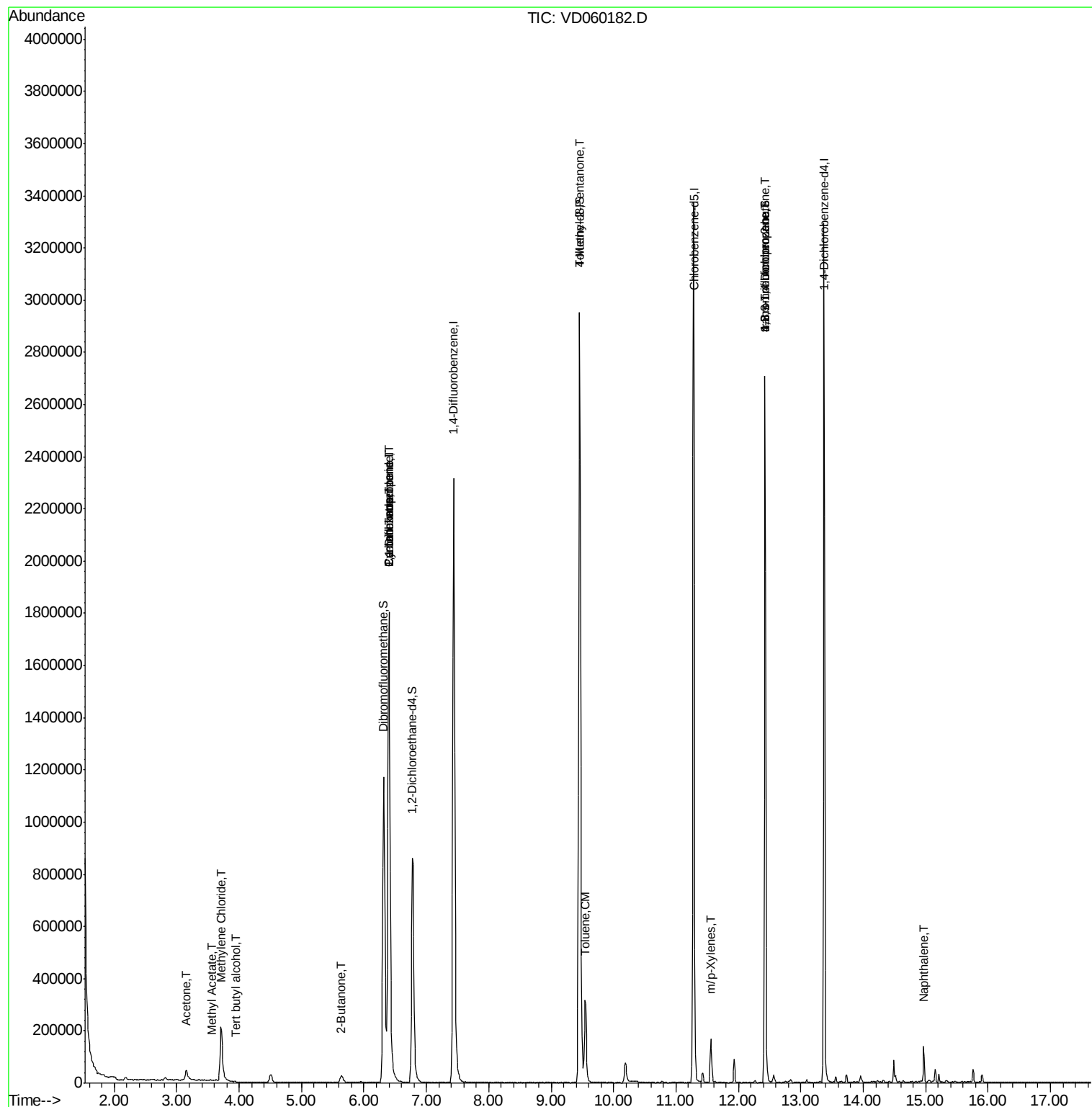
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.95	59	977	1.014	ug/l #	74
16) Acetone	3.15	43	79703	32.708	ug/l	98
18) Methyl Acetate	3.56	43	5847	1.116	ug/l #	63
20) Methylene Chloride	3.71	84	132800	2.870	ug/l	97
25) 2-Butanone	5.61	43	9054	1.487	ug/l #	59
31) Cyclohexane	6.39	56	33383	1.147	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	122786	5.225	ug/l #	46
38) Carbon Tetrachloride	6.40	117	139664	6.548	ug/l #	15
51) 4-Methyl-2-Pentanone	9.45	43	14009	1.082	ug/l #	1
52) Toluene	9.54	92	160920	4.064	ug/l	99
68) m/p-Xylenes	11.56	106	50637	2.147	ug/l	90
76) 1,2,3-Trichloropropane	12.42	75	304927	29.085	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.42	75	312402	106.048	ug/l #	13
95) Naphthalene	14.96	128	83512	3.247	ug/l	99

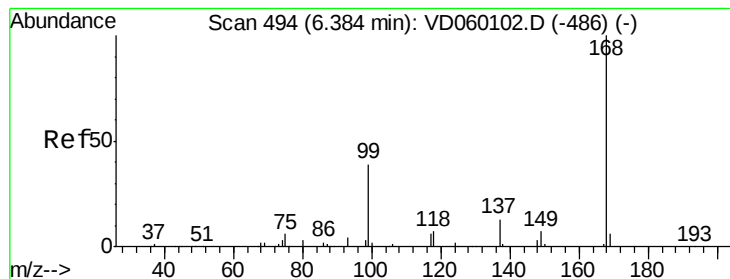
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102418\
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Quant Time: Oct 25 03:35:17 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: VD060182.D

Acq: 24 Oct 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

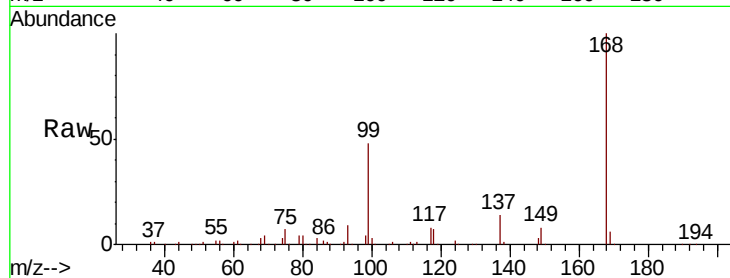
OR-02-102318-B

Tot Ion:168 Resp: 1771667

Ion Ratio Lower Upper

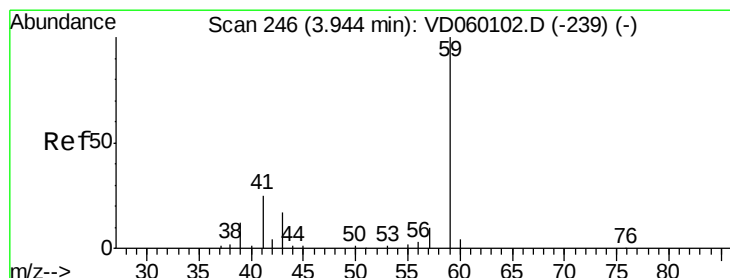
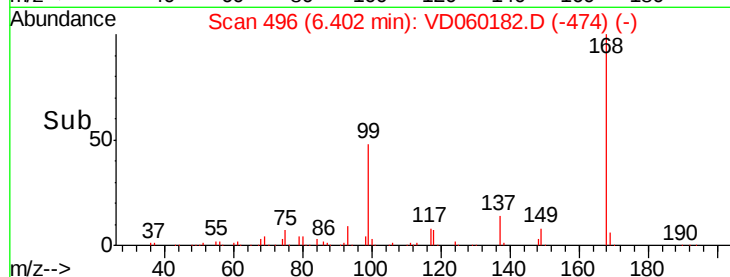
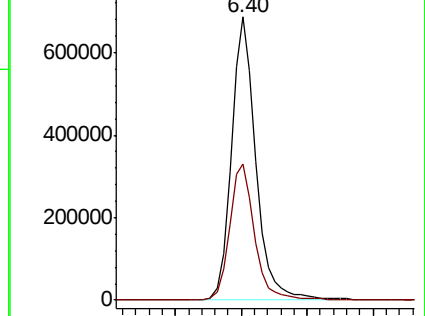
168 100

99 48.3 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.014 ug/l

RT: 3.95 min Scan# 247

Delta R.T. 0.01 min

Lab File: VD060182.D

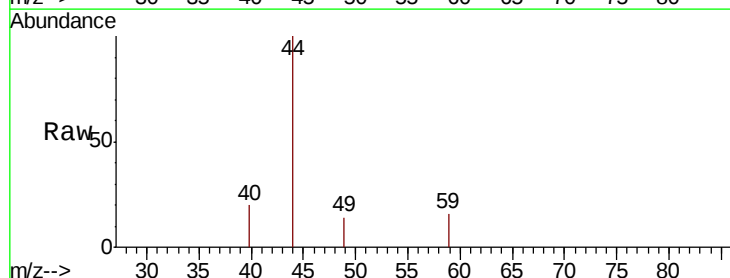
Acq: 24 Oct 2018 15:22

Tgt Ion: 59 Resp: 977

Ion Ratio Lower Upper

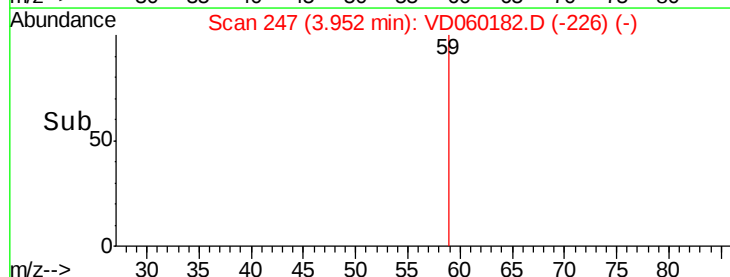
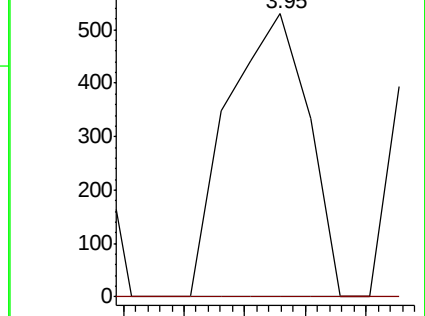
59 100

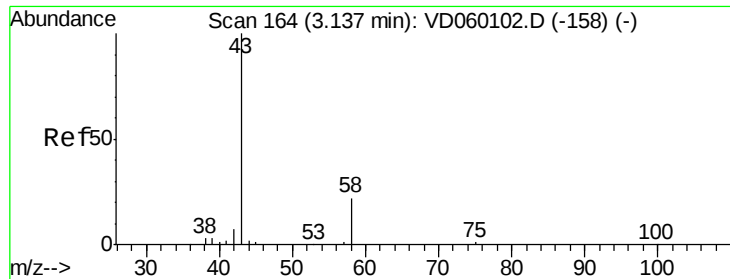
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 32.708 ug/l

RT: 3.15 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060182.D

Acq: 24 Oct 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

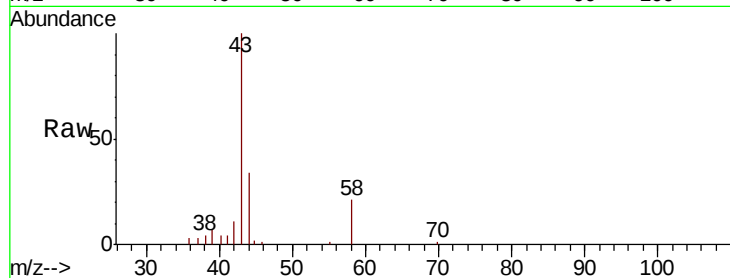
OR-02-102318-B

Tot Ion: 43 Resp: 79703

Ion Ratio Lower Upper

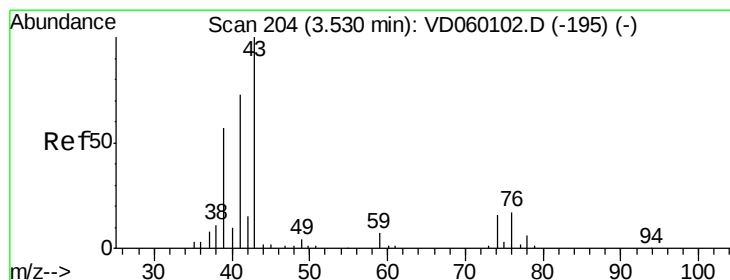
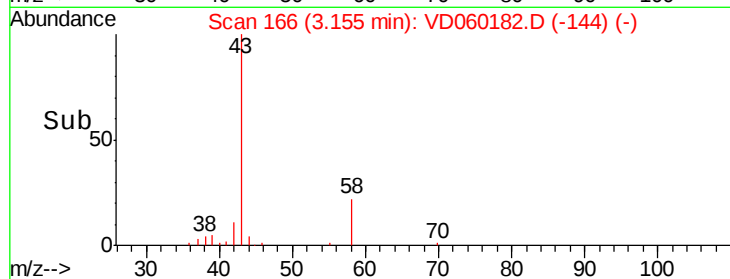
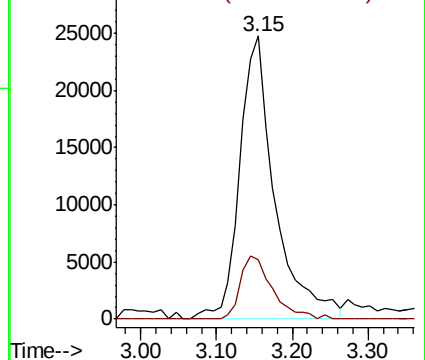
43 100

58 21.1 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.116 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.03 min

Lab File: VD060182.D

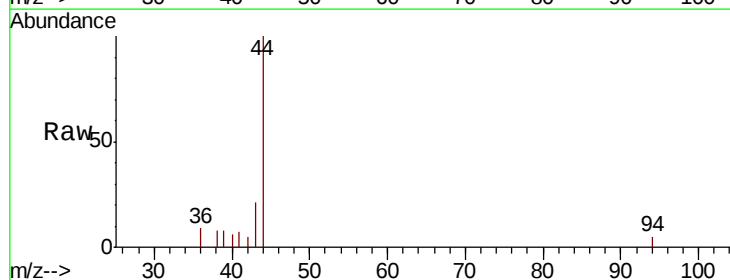
Acq: 24 Oct 2018 15:22

Tgt Ion: 43 Resp: 5847

Ion Ratio Lower Upper

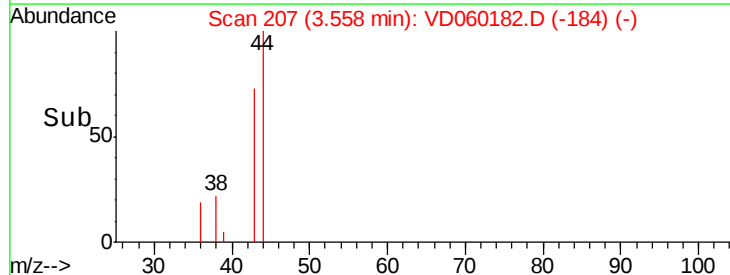
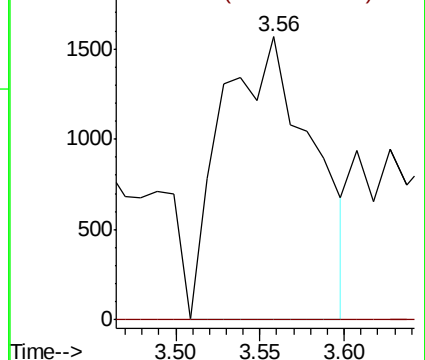
43 100

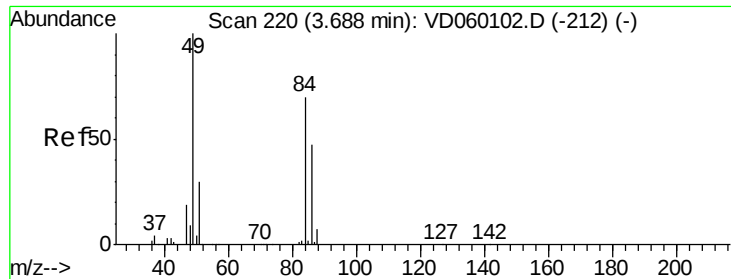
74 0.0 12.6 19.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

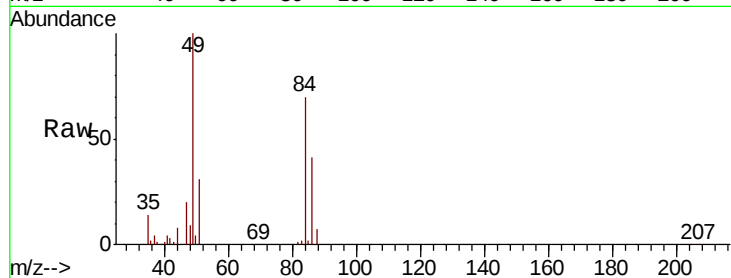




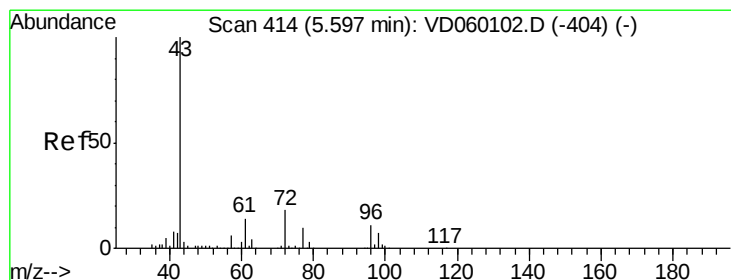
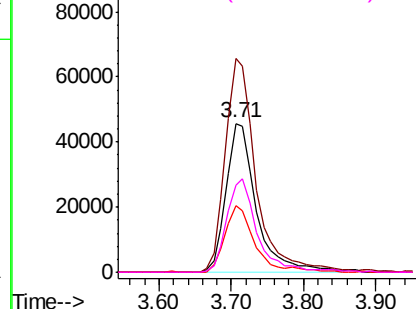
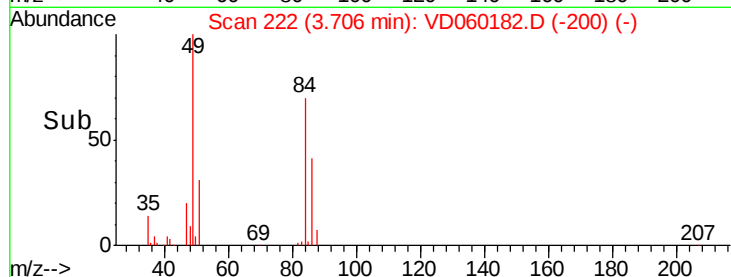
#20
Methylene Chloride
Concen: 2.870 ug/l
RT: 3.71 min Scan# 222
Delta R.T. 0.02 min
Lab File: VD060182.D
Acq: 24 Oct 2018 15:22

Instrument :
MSVOA_D
ClientSampleId :
OR-02-102318-B

Tot Ion: 84 Resp: 132800
Ion Ratio Lower Upper
84 100
49 143.6 114.6 172.0
51 45.0 33.8 50.8
86 58.7 53.3 79.9

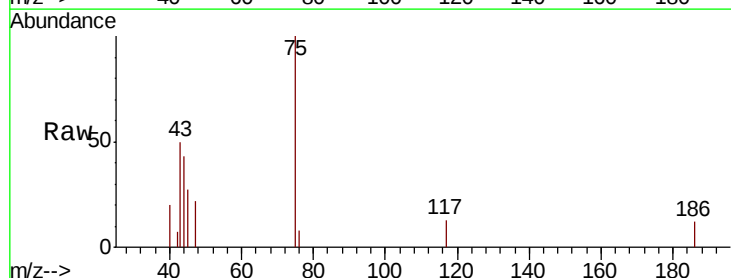


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

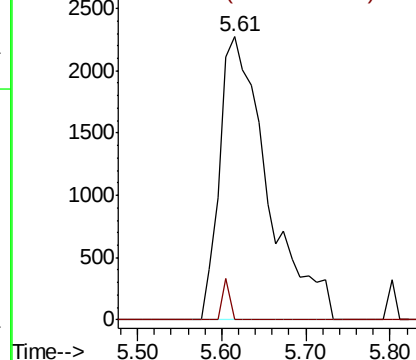
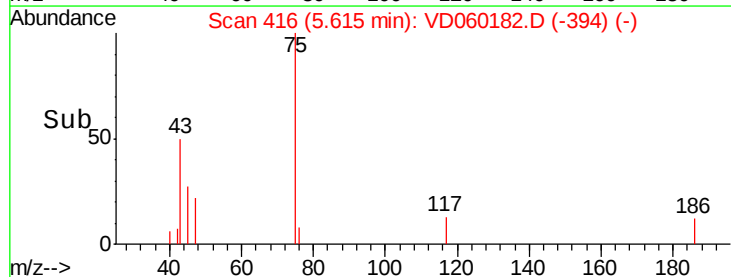


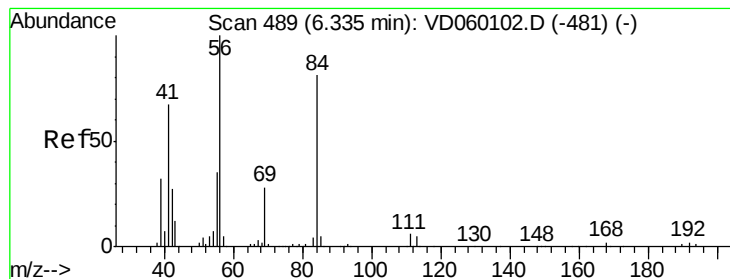
#25
2-Butanone
Concen: 1.487 ug/l
RT: 5.61 min Scan# 416
Delta R.T. 0.02 min
Lab File: VD060182.D
Acq: 24 Oct 2018 15:22

Tgt Ion: 43 Resp: 9054
Ion Ratio Lower Upper
43 100
72 0.0 14.5 21.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.147 ug/l

RT: 6.39 min Scan# 495

Delta R.T. 0.06 min

Lab File: VD060182.D

Acq: 24 Oct 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

OR-02-102318-B

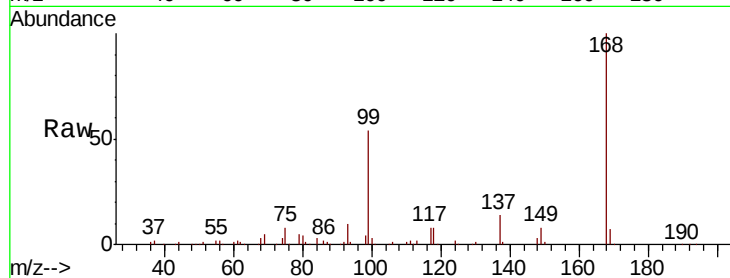
Tot Ion: 56 Resp: 33383

Ion Ratio Lower Upper

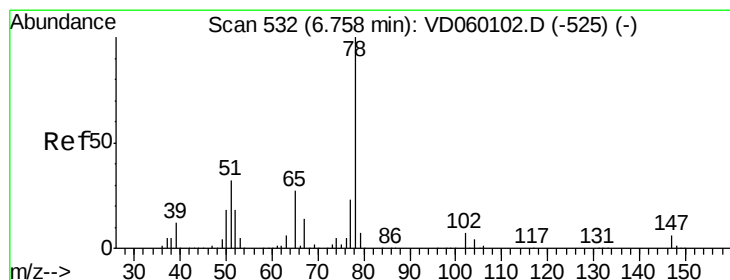
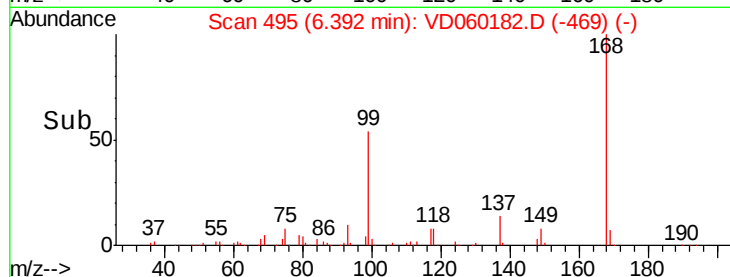
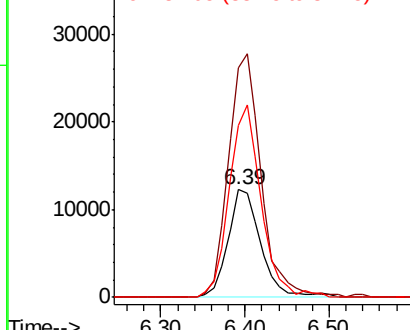
56 100

69 213.9 22.8 34.2#

84 159.4 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: VD060182.D

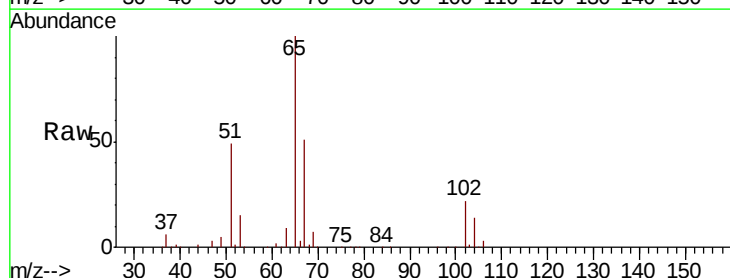
Acq: 24 Oct 2018 15:22

Tgt Ion: 65 Resp: 736888

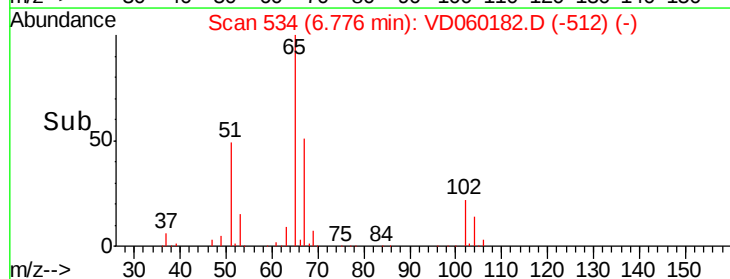
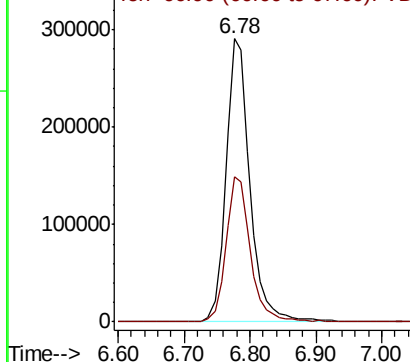
Ion Ratio Lower Upper

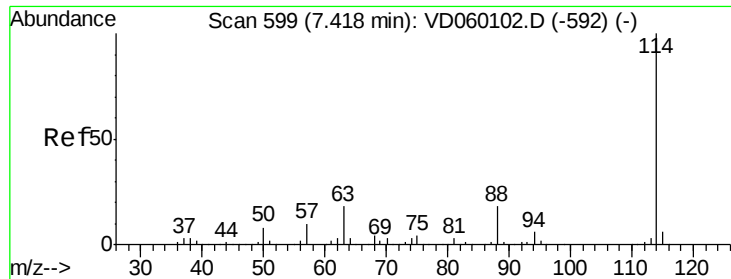
65 100

67 51.5 0.0 106.2



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

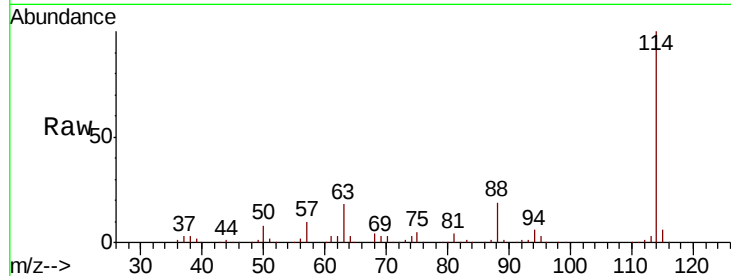




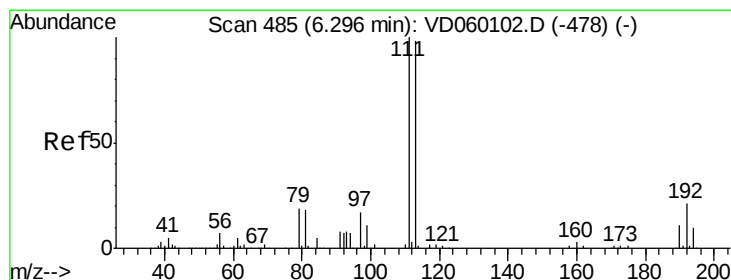
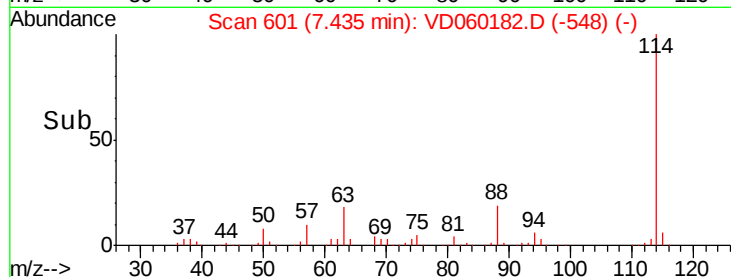
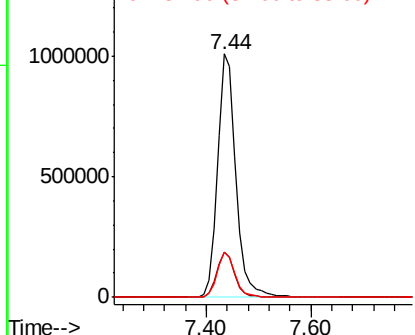
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.02 min
 Lab File: VD060182.D
 Acq: 24 Oct 2018 15:22

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-102318-B

Tot Ion:114 Resp: 2459230
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.0
 88 18.8 0.0 36.2

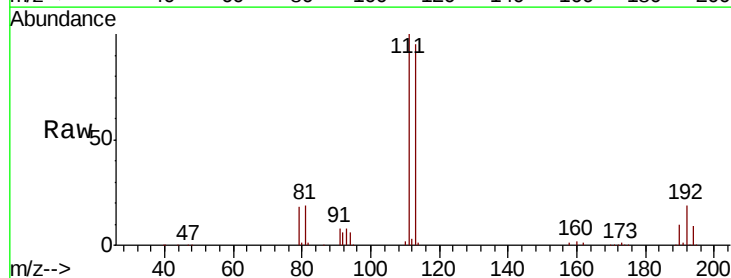


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

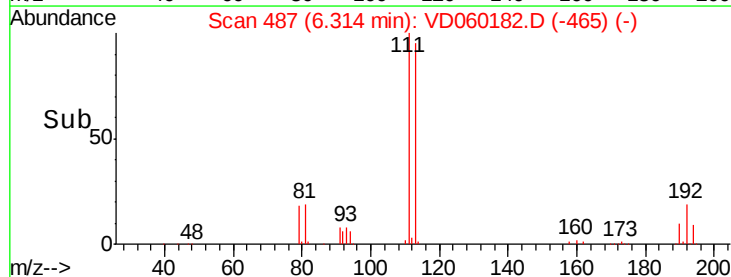
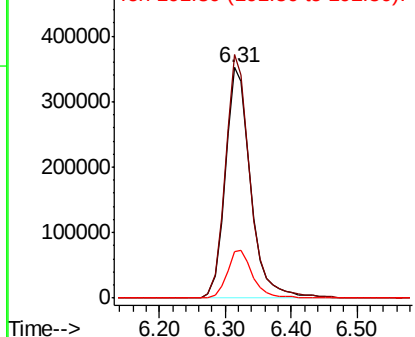


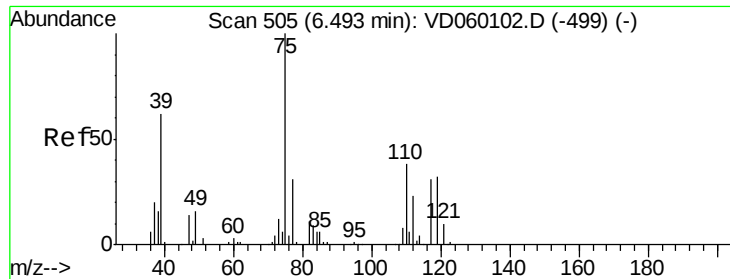
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 487
 Delta R.T. 0.02 min
 Lab File: VD060182.D
 Acq: 24 Oct 2018 15:22

Tgt Ion:113 Resp: 945278
 Ion Ratio Lower Upper
 113 100
 111 105.5 81.5 122.3
 192 20.0 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: 5.225 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.09 min

Lab File: VD060182.D

Acq: 24 Oct 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

OR-02-102318-B

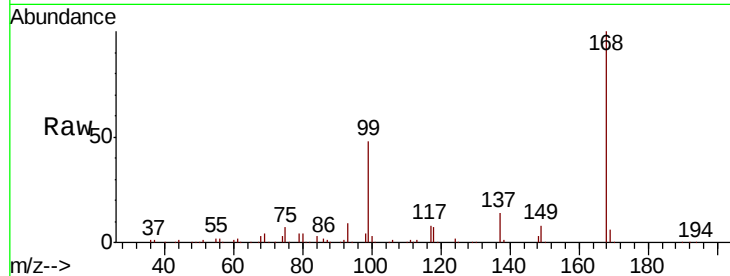
Tot Ion: 75 Resp: 122786

Ion Ratio Lower Upper

75 100

110 6.8 19.0 57.0#

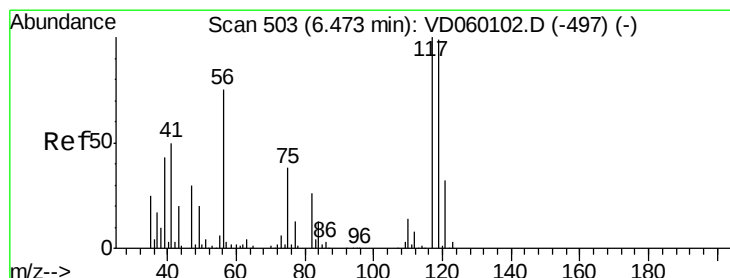
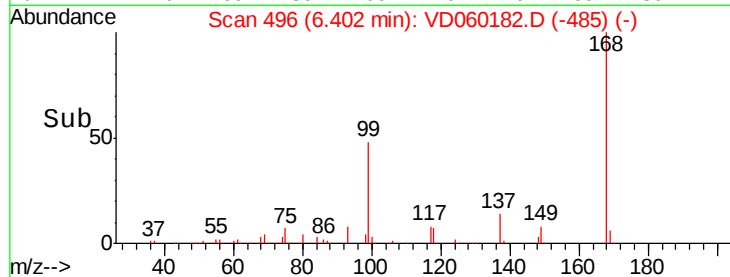
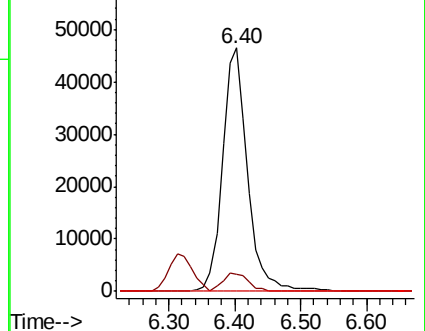
77 0.0 24.9 37.3#



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: 6.548 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.07 min

Lab File: VD060182.D

Acq: 24 Oct 2018 15:22

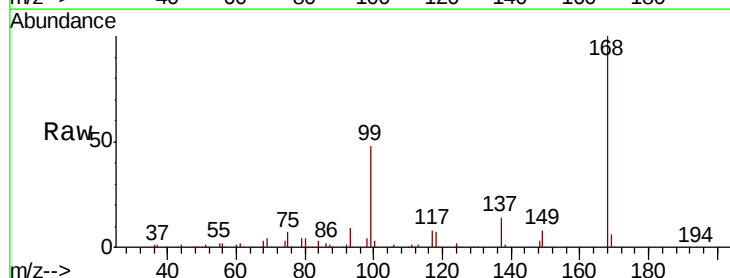
Tgt Ion: 117 Resp: 139664

Ion Ratio Lower Upper

117 100

119 5.0 77.8 116.6#

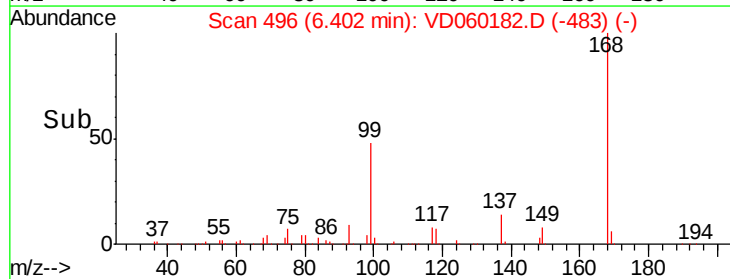
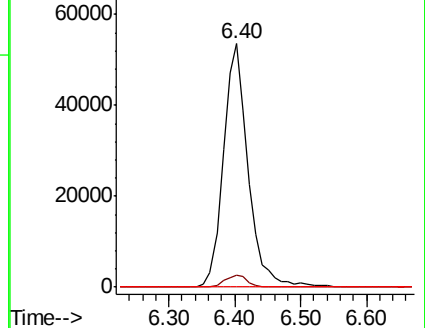
121 0.0 24.8 37.2#

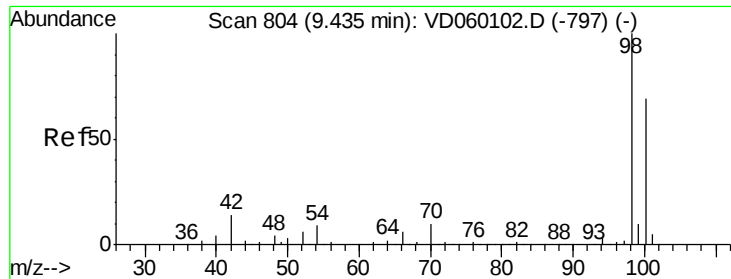


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

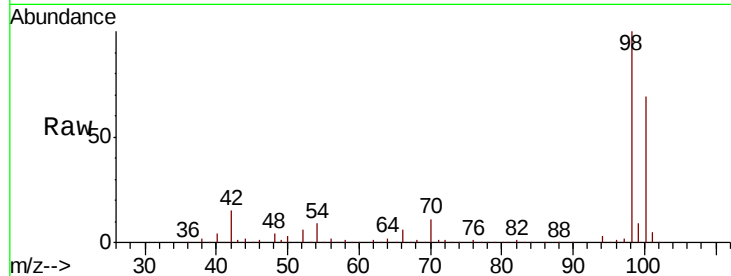




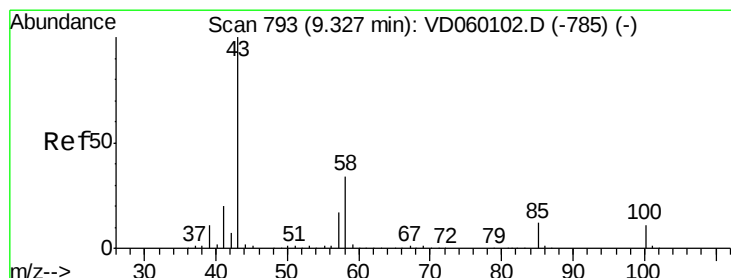
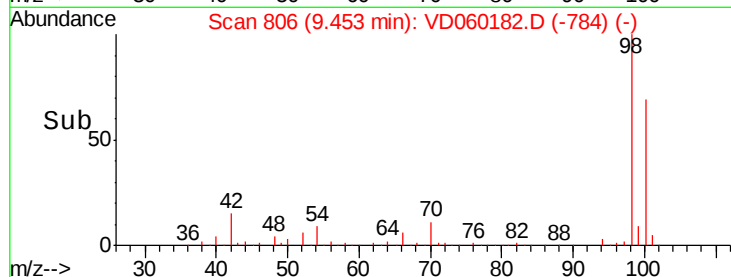
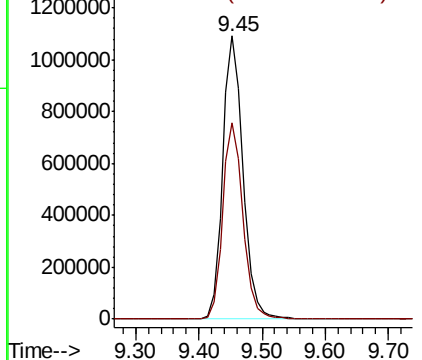
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060182.D
Acq: 24 Oct 2018 15:22

Instrument :
MSVOA_D
ClientSampleId :
OR-02-102318-B

Tot Ion: 98 Resp: 2435110
Ion Ratio Lower Upper
98 100
100 69.5 55.4 83.0

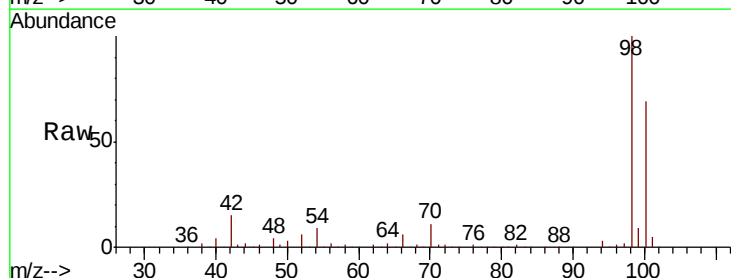


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

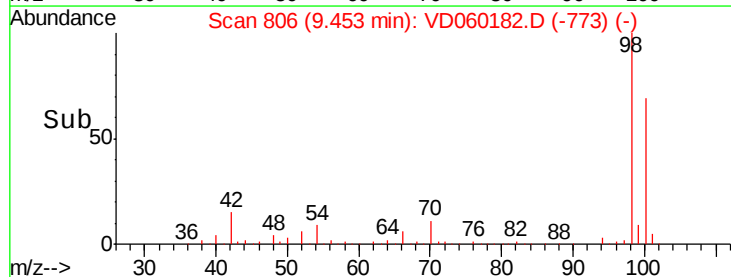
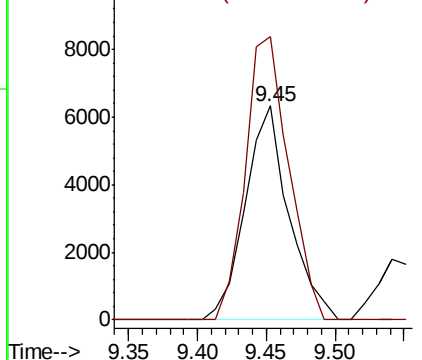


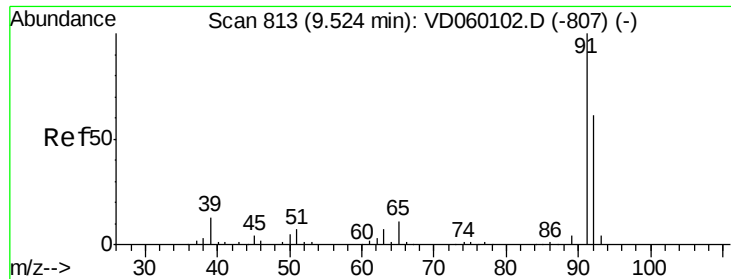
#51
4-Methyl-2-Pentanone
Concen: 1.082 ug/l
RT: 9.45 min Scan# 806
Delta R.T. 0.13 min
Lab File: VD060182.D
Acq: 24 Oct 2018 15:22

Tgt Ion: 43 Resp: 14009
Ion Ratio Lower Upper
43 100
58 132.1 27.2 40.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#52

Toluene

Concen: 4.064 ug/l

RT: 9.54 min Scan# 815

Delta R.T. 0.02 min

Lab File: VD060182.D

Acq: 24 Oct 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

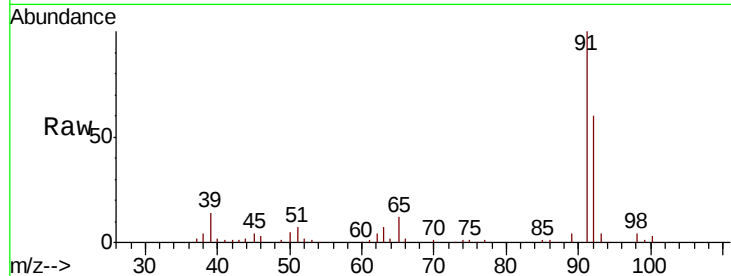
OR-02-102318-B

Tot Ion: 92 Resp: 160920

Ion Ratio Lower Upper

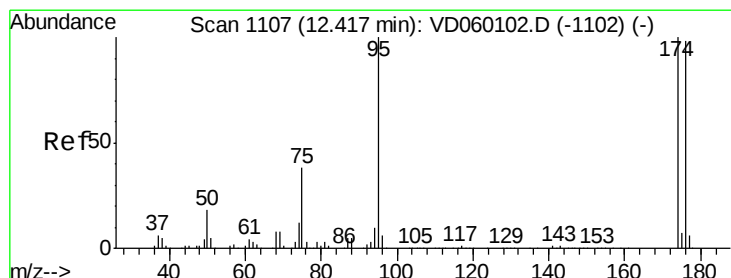
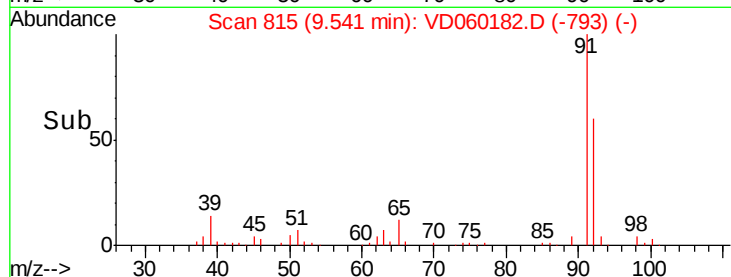
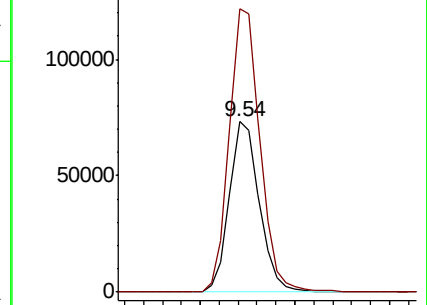
92 100

91 166.4 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060182.D

Acq: 24 Oct 2018 15:22

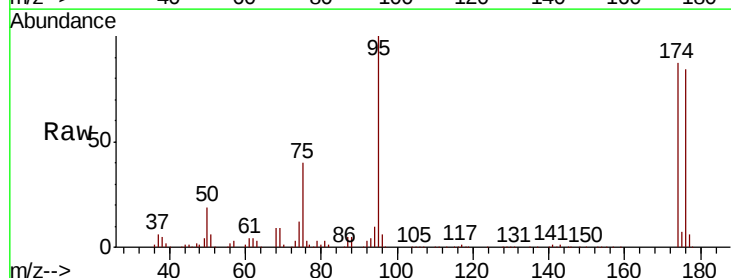
Tgt Ion: 95 Resp: 794440

Ion Ratio Lower Upper

95 100

174 87.2 0.0 200.2

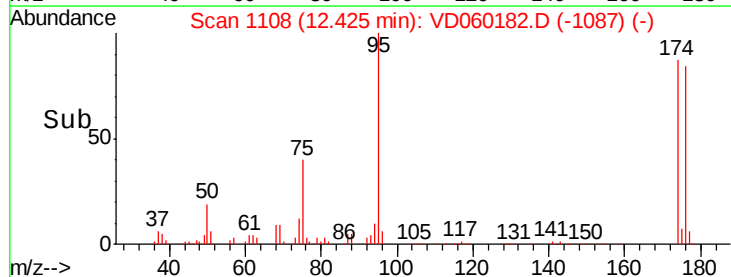
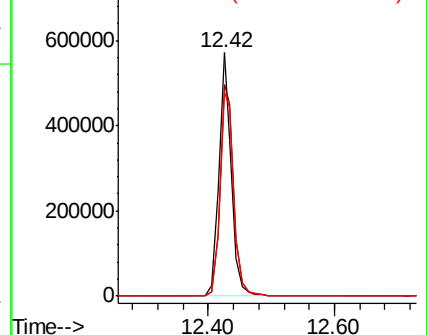
176 83.6 0.0 195.6

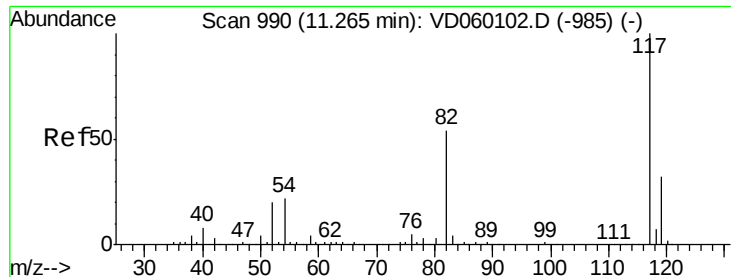


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

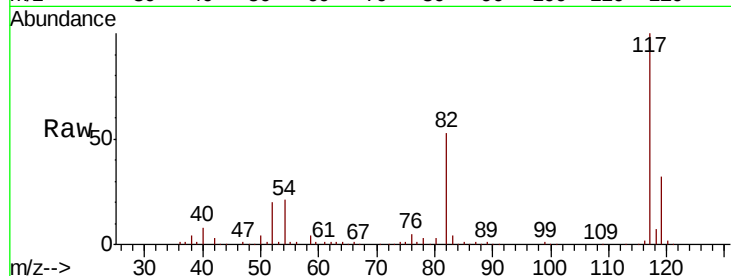




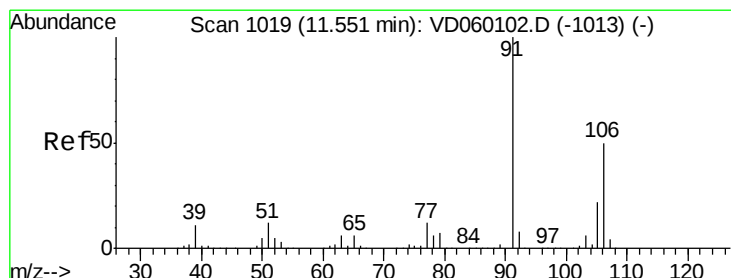
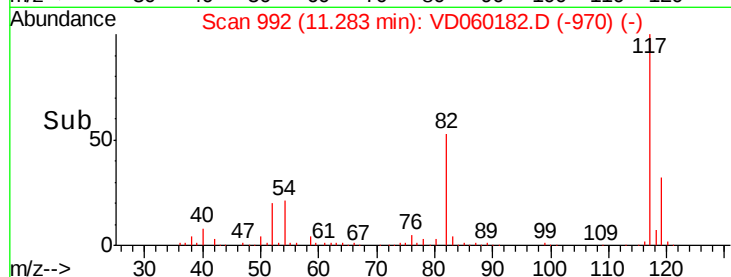
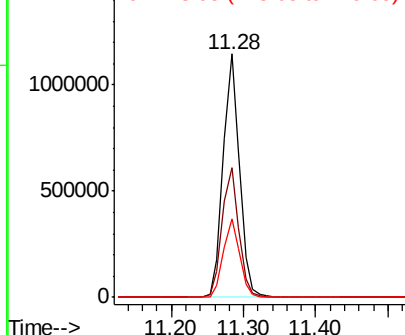
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060182.D
Acq: 24 Oct 2018 15:22

Instrument :
MSVOA_D
ClientSampleId :
OR-02-102318-B

Tot Ion:117 Resp: 1800758
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.2
119 32.3 26.0 39.0

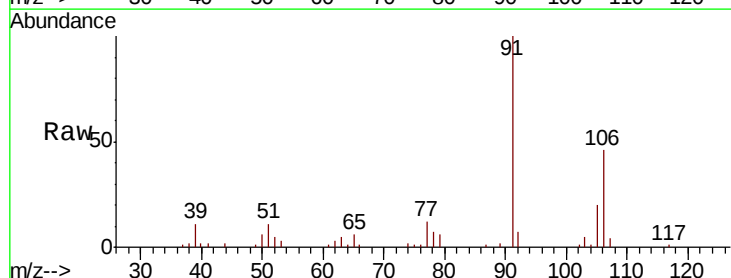


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

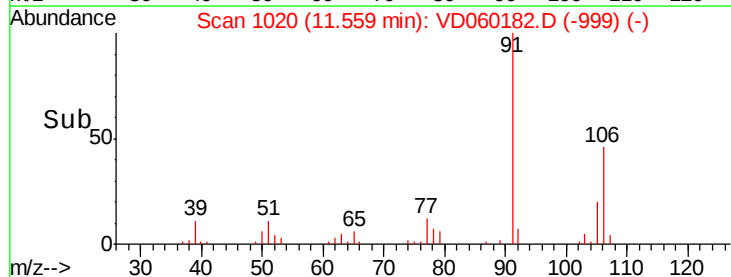
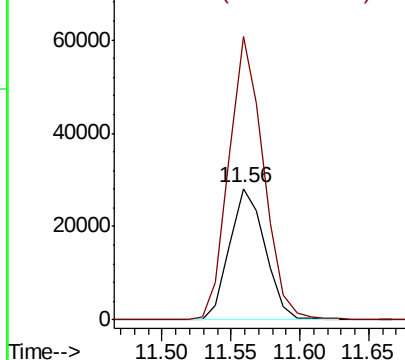


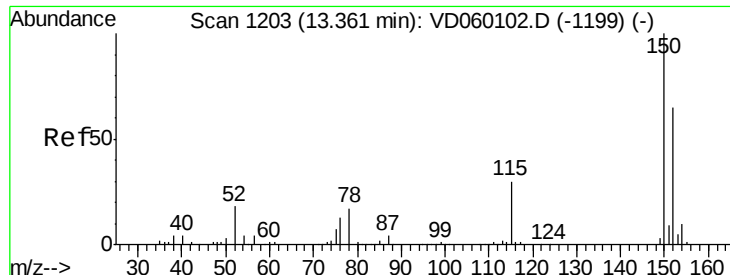
#68
m/p-Xylenes
Concen: 2.147 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060182.D
Acq: 24 Oct 2018 15:22

Tgt Ion:106 Resp: 50637
Ion Ratio Lower Upper
106 100
91 215.4 160.0 240.0



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): 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: VD060182.D

Acq: 24 Oct 2018 15:22

Instrument :

MSVOA_D

ClientSampleId :

OR-02-102318-B

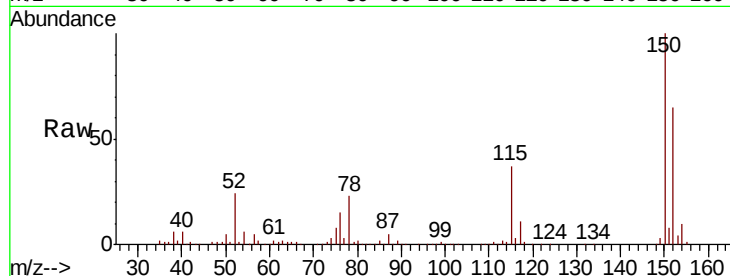
Tot Ion:152 Resp: 727993

Ion Ratio Lower Upper

152 100

115 56.8 27.1 81.2

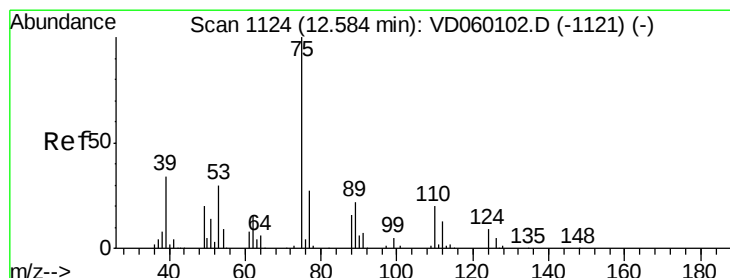
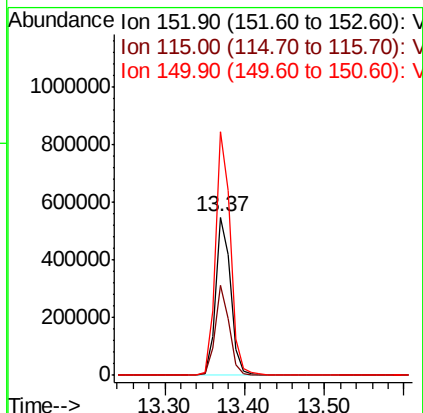
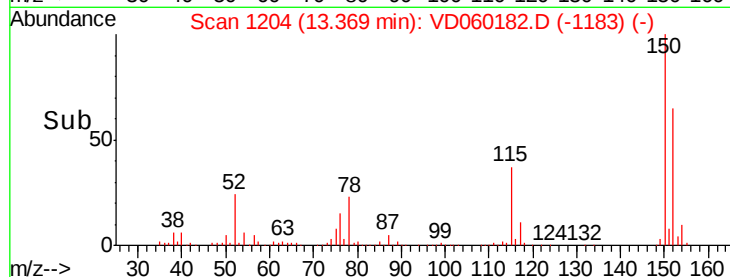
150 154.0 0.0 311.8



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: 29.085 ug/l

RT: 12.42 min Scan# 1108

Delta R.T. -0.16 min

Lab File: VD060182.D

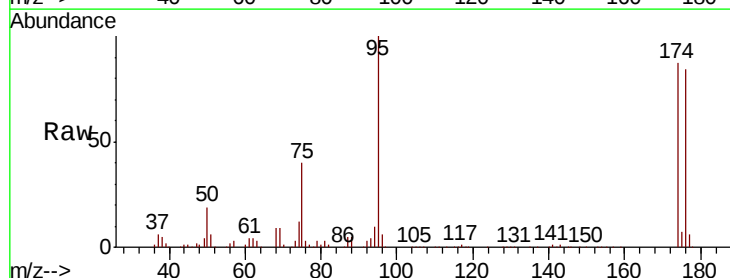
Acq: 24 Oct 2018 15:22

Tgt Ion: 75 Resp: 304927

Ion Ratio Lower Upper

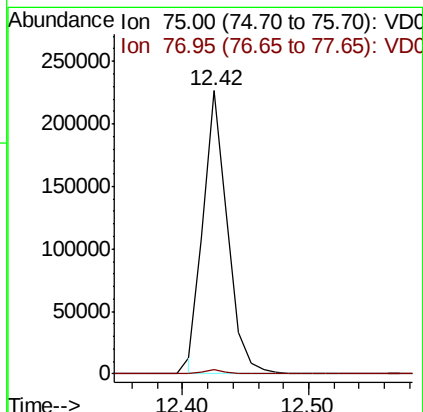
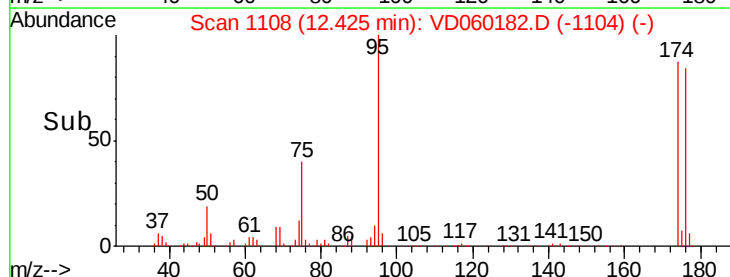
75 100

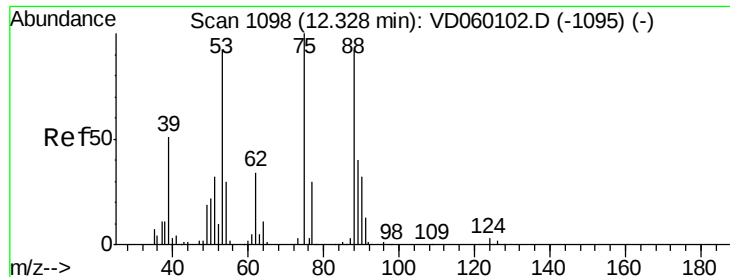
77 1.4 16.3 48.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

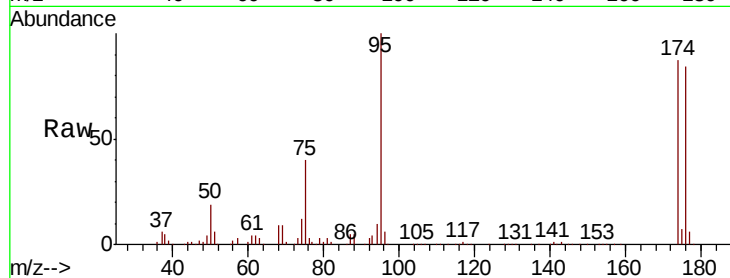




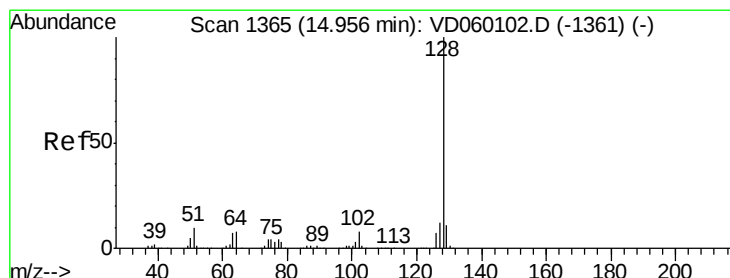
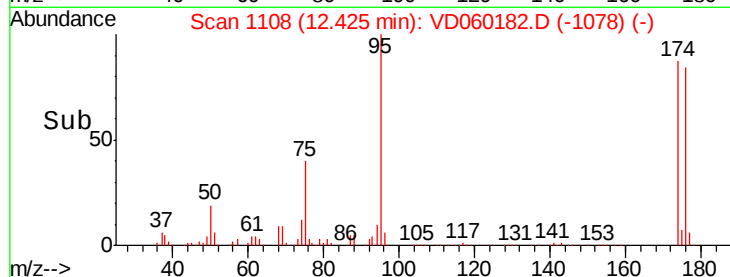
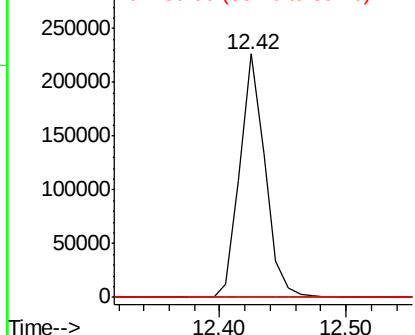
#81
trans-1,4-Dichloro-2-butene
Concen: 106.048 ug/l
RT: 12.42 min Scan# 1108
Delta R.T. 0.10 min
Lab File: VD060182.D
Acq: 24 Oct 2018 15:22

Instrument :
MSVOA_D
ClientSampleId :
OR-02-102318-B

Tot Ion: 75 Resp: 312402
Ion Ratio Lower Upper
75 100
53 0.0 73.0 109.6#
89 0.0 32.0 48.0#

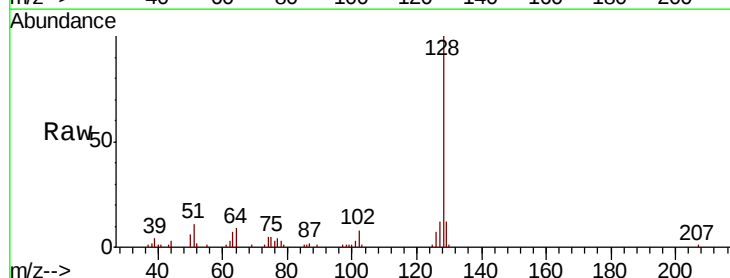


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#95
Naphthalene
Concen: 3.247 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060182.D
Acq: 24 Oct 2018 15:22

Tgt Ion:128 Resp: 83512
Ion Ratio Lower Upper
128 100
127 12.1 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

