

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102518\
 Data File : VD060209.D
 Acq On : 25 Oct 2018 21:52
 Operator : JC/SY
 Sample : J5204-13
 Misc : 5.94g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-102518-A

Quant Time: Oct 26 03:44:57 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	1465551	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2150977	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1567350	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	585173	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	660802	59.48	ug/l	0.02
Spiked Amount			Recovery	=	118.96%	
35) Dibromofluoromethane	6.31	113	789580	48.34	ug/l	0.02
Spiked Amount			Recovery	=	96.68%	
50) Toluene-d8	9.45	98	1972588	42.35	ug/l	0.02
Spiked Amount			Recovery	=	84.70%	
62) 4-Bromofluorobenzene	12.43	95	620214	35.56	ug/l	0.00
Spiked Amount			Recovery	=	71.12%	

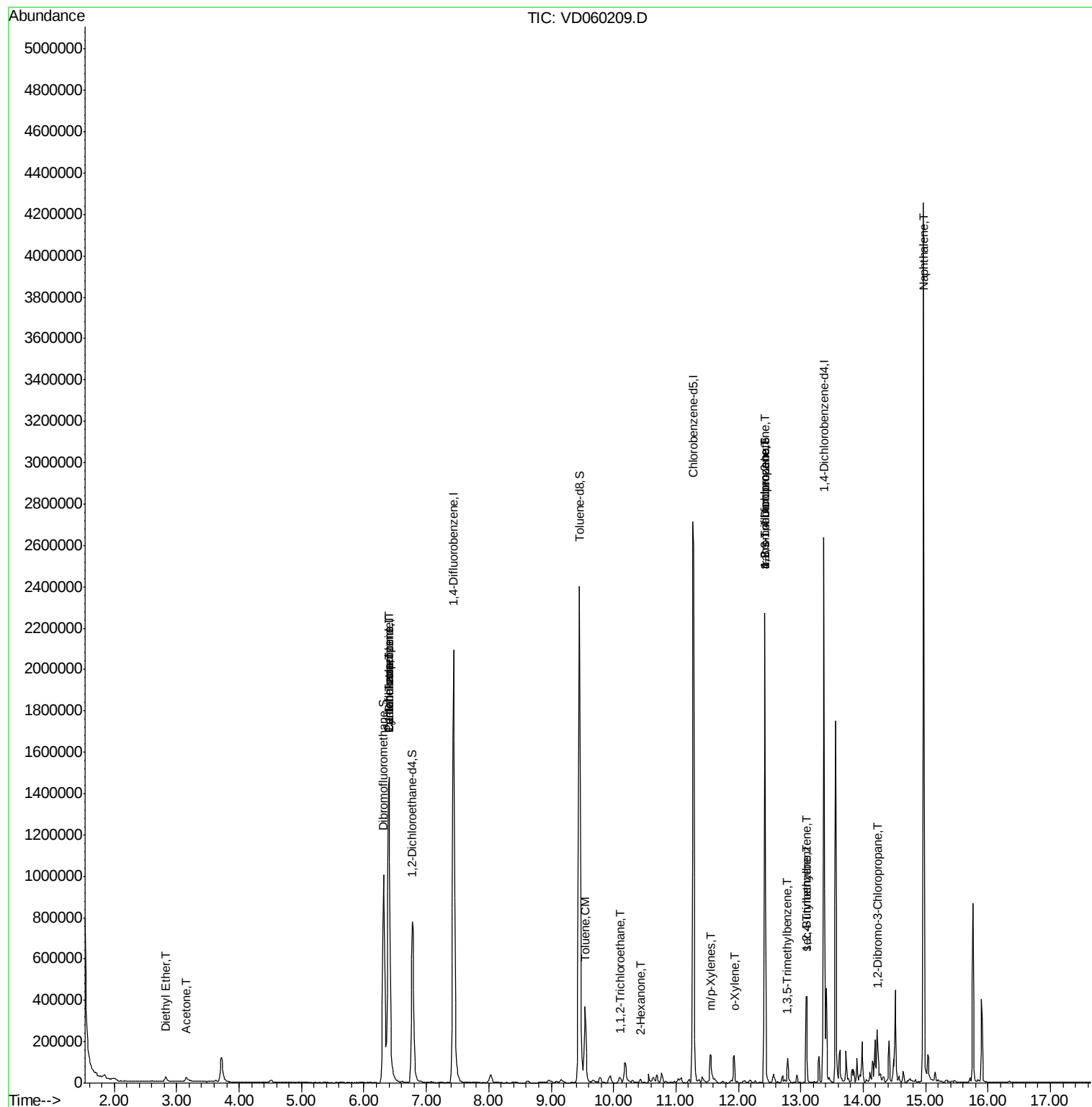
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.82	74	7190	2.870	ug/l	96
16) Acetone	3.16	43	40312	19.998	ug/l	99
31) Cyclohexane	6.39	56	33028	1.372	ug/l #	1
36) 1,1-Dichloropropene	6.39	75	106748	5.193	ug/l #	46
38) Carbon Tetrachloride	6.40	117	112591	6.035	ug/l #	15
52) Toluene	9.54	92	185387	5.353	ug/l	100
55) 1,1,2-Trichloroethane	10.09	97	12258	1.083	ug/l #	19
59) 2-Hexanone	10.43	43	14697	1.805	ug/l #	30
68) m/p-Xylenes	11.55	106	37305	1.817	ug/l	98
69) o-Xylene	11.93	106	30822	1.518	ug/l	99
76) 1,2,3-Trichloropropane	12.43	75	238484	28.299	ug/l #	45
80) 1,3,5-Trimethylbenzene	12.79	105	48332	1.618	ug/l	90
81) trans-1,4-Dichloro-2-buten	12.43	75	256175	108.185	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.09	105	212634	6.752	ug/l	99
85) sec-Butylbenzene	13.09	105	212634	5.245	ug/l #	60
92) 1,2-Dibromo-3-Chloropropan	14.24	75	2334	2.074	ug/l #	1
95) Naphthalene	14.96	128	2444830	118.239	ug/l	100

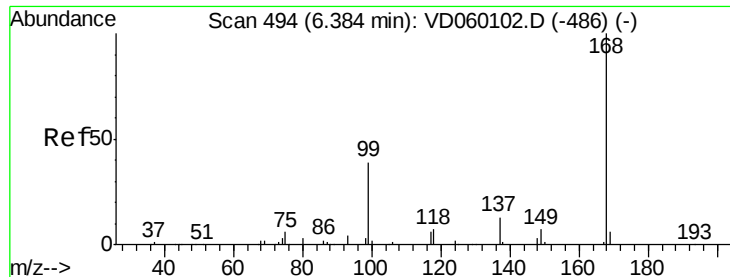
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102518\
Data File : VD060209.D
Acq On : 25 Oct 2018 21:52
Operator : JC/SY
Sample : J5204-13
Misc : 5.94g/5ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SU-01-102518-A

Quant Time: Oct 26 03:44:57 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: VD060209.D

Acq: 25 Oct 2018 21:52

Instrument :

MSVOA_D

ClientSampleId :

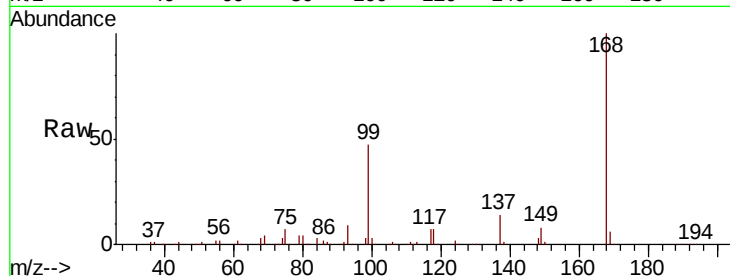
SU-01-102518-A

Tot Ion:168 Resp: 1465551

Ion Ratio Lower Upper

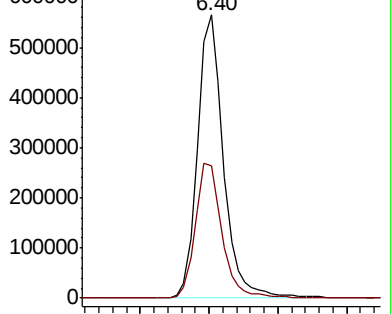
168 100

99 46.7 35.4 53.0

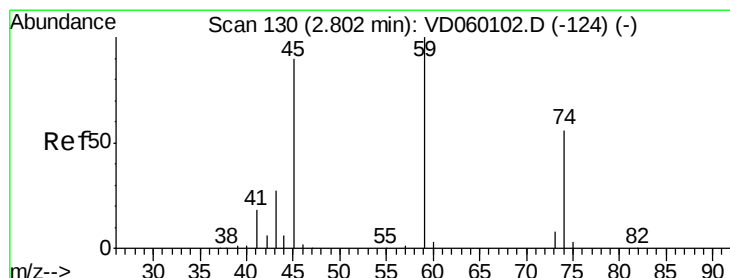
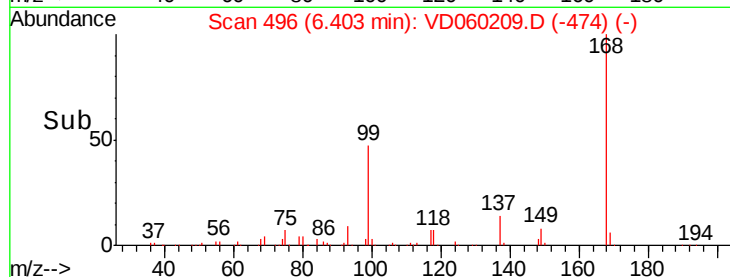


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



Time-->



#8

Diethyl Ether

Concen: 2.870 ug/l

RT: 2.82 min Scan# 132

Delta R.T. 0.02 min

Lab File: VD060209.D

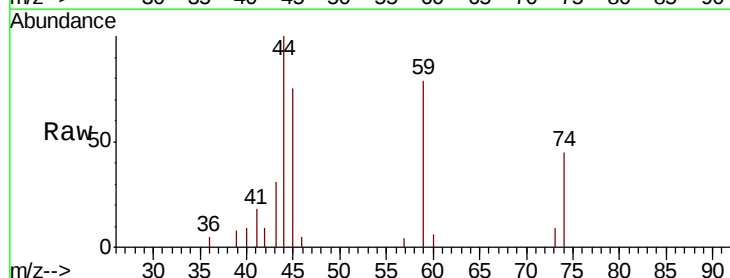
Acq: 25 Oct 2018 21:52

Tgt Ion: 74 Resp: 7190

Ion Ratio Lower Upper

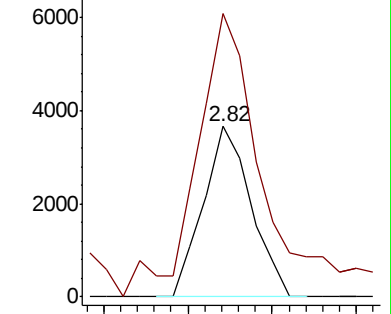
74 100

45 165.9 80.3 241.0

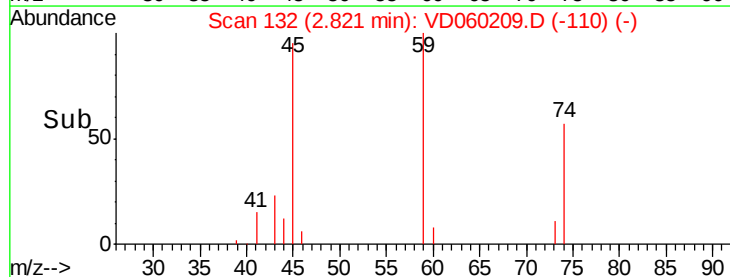


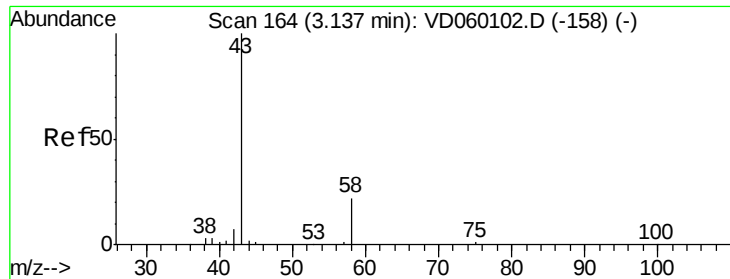
Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



Time-->





#16

Acetone

Concen: 19.998 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060209.D

Acq: 25 Oct 2018 21:52

Instrument :

MSVOA_D

ClientSampleId :

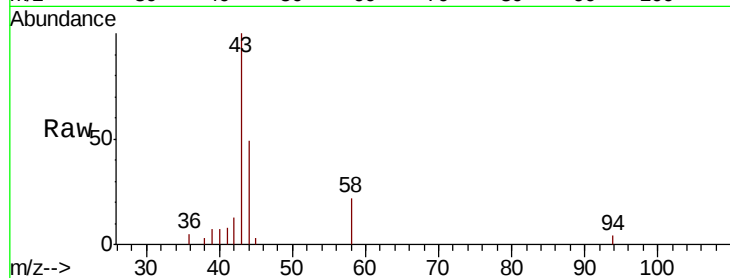
SU-01-102518-A

Tot Ion: 43 Resp: 40312

Ion Ratio Lower Upper

43 100

58 21.5 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.16

15000

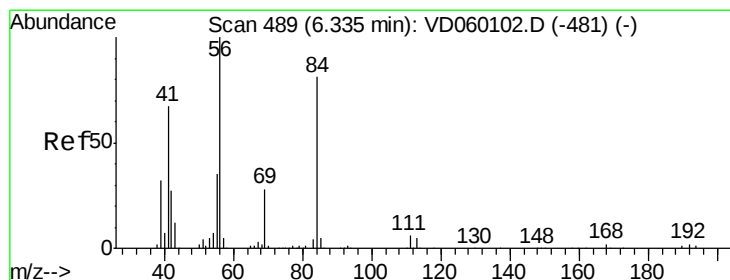
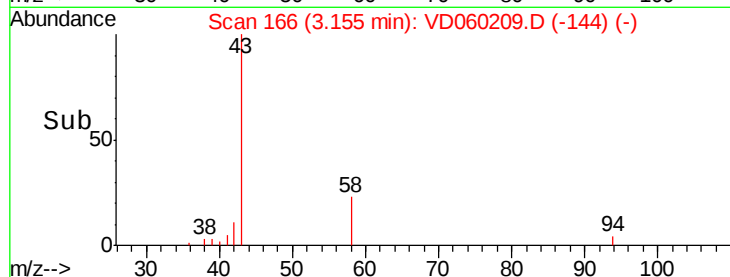
10000

5000

0

Time-->

3.00 3.10 3.20 3.30



#31

Cyclohexane

Concen: 1.372 ug/l

RT: 6.39 min Scan# 495

Delta R.T. 0.06 min

Lab File: VD060209.D

Acq: 25 Oct 2018 21:52

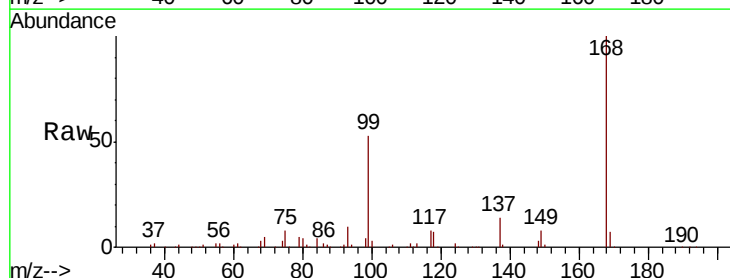
Tgt Ion: 56 Resp: 33028

Ion Ratio Lower Upper

56 100

69 213.6 22.8 34.2#

84 173.2 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

6.39

30000

25000

20000

15000

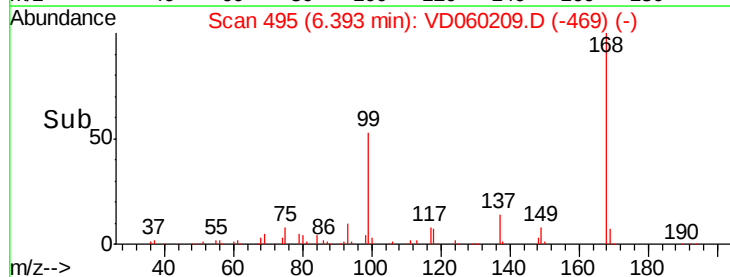
10000

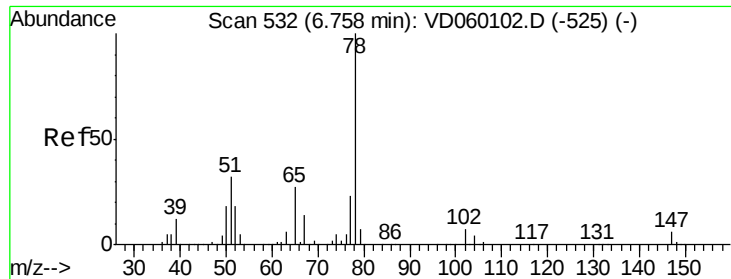
5000

0

Time-->

6.30 6.40 6.50





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.78 min Scan# 534

Delta R.T. 0.02 min

Lab File: VD060209.D

Acq: 25 Oct 2018 21:52

Instrument :

MSVOA_D

ClientSampleId :

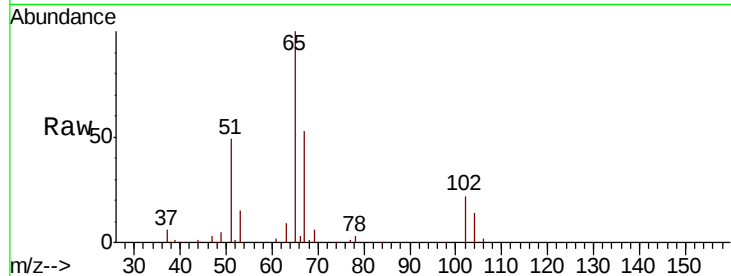
SU-01-102518-A

Tot Ion: 65 Resp: 660802

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.78

250000

200000

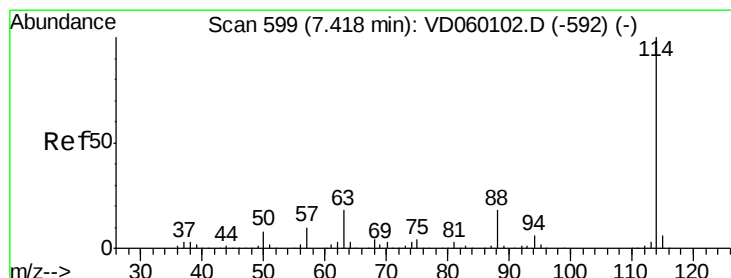
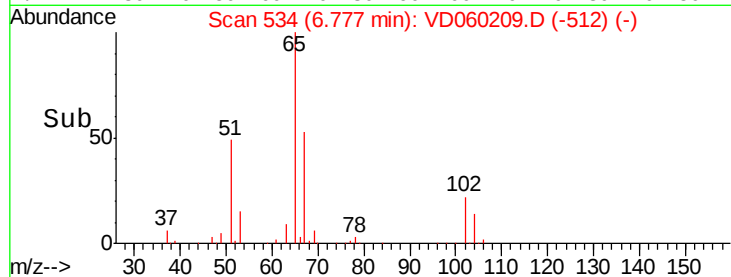
150000

100000

50000

0

Time--> 6.60 6.70 6.80 6.90 7.00



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. 0.02 min

Lab File: VD060209.D

Acq: 25 Oct 2018 21:52

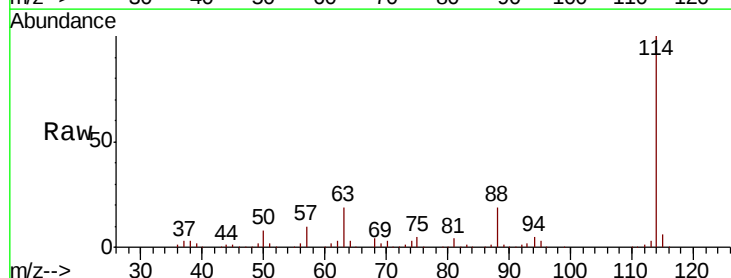
Tgt Ion: 114 Resp: 2150977

Ion Ratio Lower Upper

114 100

63 19.3 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): VDC

Ion 87.90 (87.60 to 88.60): VDC

1200000

1000000

800000

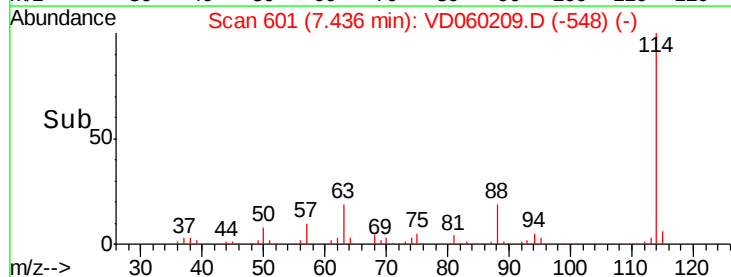
600000

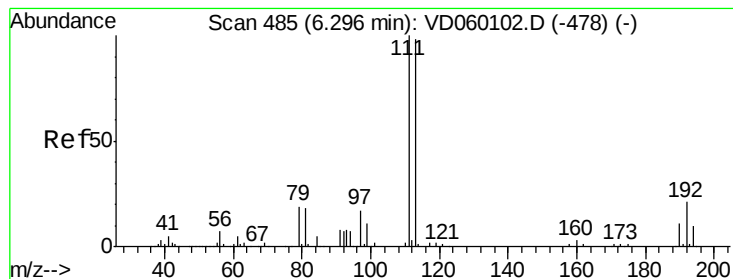
400000

200000

0

Time--> 7.20 7.40 7.60 7.80





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 487

Delta R.T. 0.02 min

Lab File: VD060209.D

Acq: 25 Oct 2018 21:52

Instrument :

MSVOA_D

ClientSampleId :

SU-01-102518-A

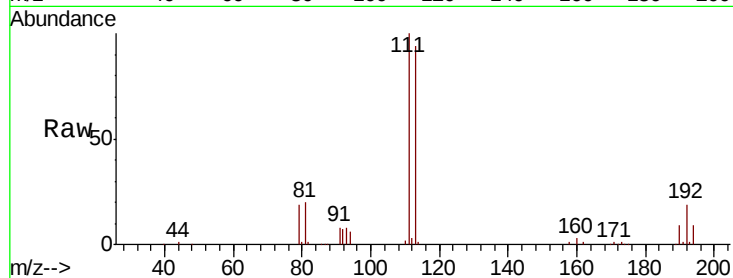
Tot Ion:113 Resp: 789580

Ion Ratio Lower Upper

113 100

111 105.9 81.5 122.3

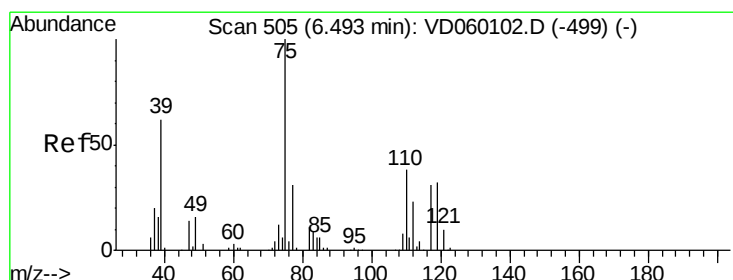
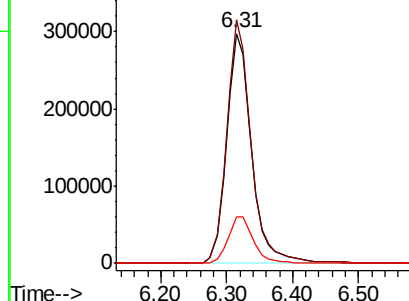
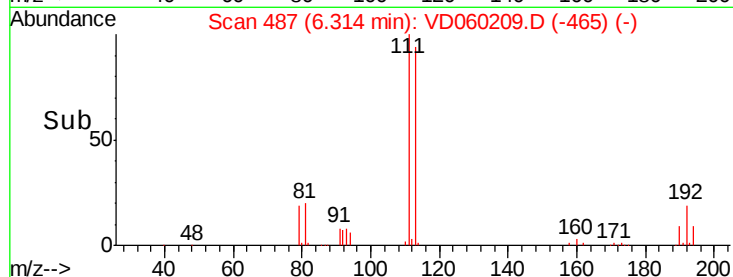
192 20.4 17.4 26.0



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: 5.193 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.10 min

Lab File: VD060209.D

Acq: 25 Oct 2018 21:52

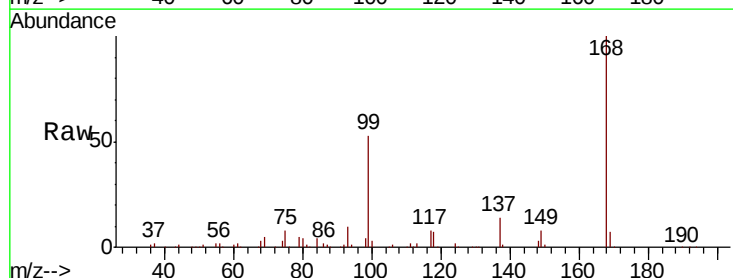
Tgt Ion: 75 Resp: 106748

Ion Ratio Lower Upper

75 100

110 6.3 19.0 57.0#

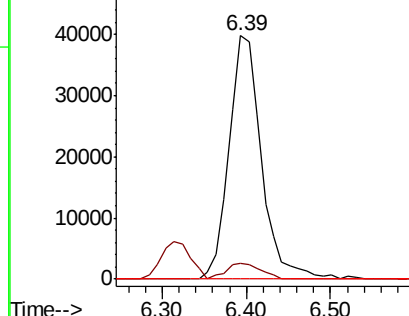
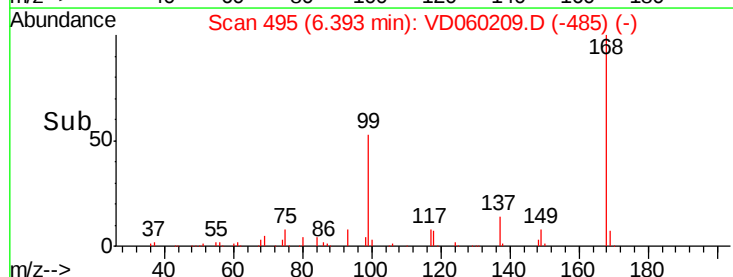
77 0.0 24.9 37.3#

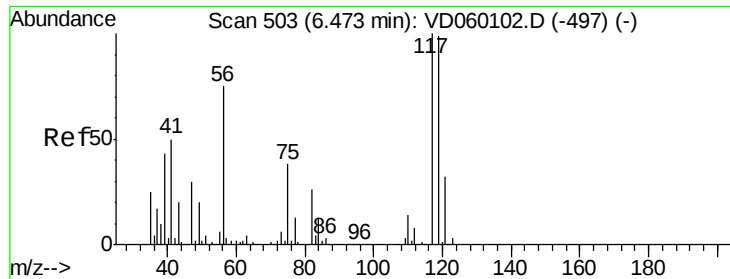


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 6.035 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.07 min

Lab File: VD060209.D

Acq: 25 Oct 2018 21:52

Instrument :

MSVOA_D

ClientSampleId :

SU-01-102518-A

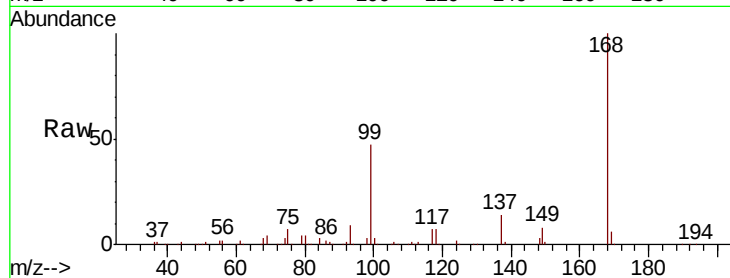
Tot Ion:117 Resp: 112591

Ion Ratio Lower Upper

117 100

119 4.3 77.8 116.6#

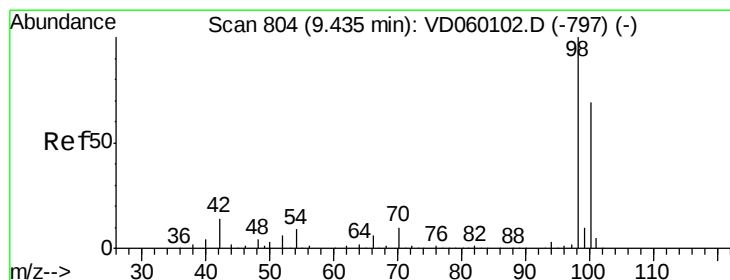
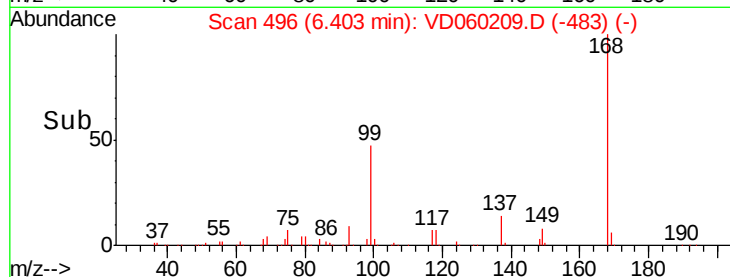
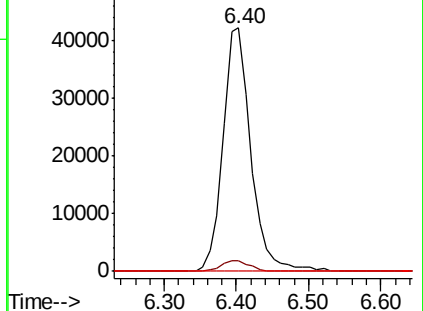
121 0.0 24.8 37.2#



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: 9.45 min Scan# 806

Delta R.T. 0.02 min

Lab File: VD060209.D

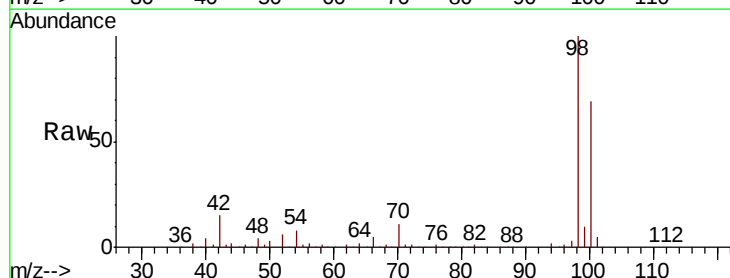
Acq: 25 Oct 2018 21:52

Tgt Ion: 98 Resp: 1972588

Ion Ratio Lower Upper

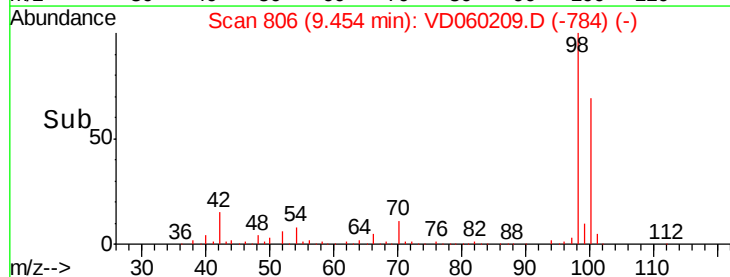
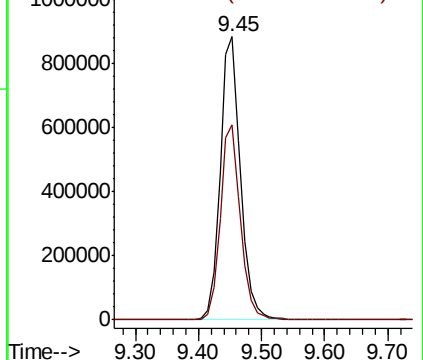
98 100

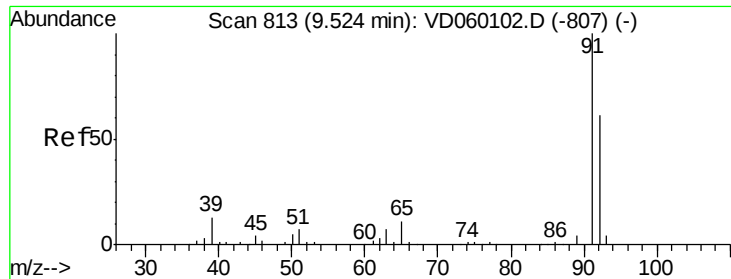
100 69.0 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#52

Toluene

Concen: 5.353 ug/l

RT: 9.54 min Scan# 815

Delta R.T. 0.02 min

Lab File: VD060209.D

Acq: 25 Oct 2018 21:52

Instrument :

MSVOA_D

ClientSampleId :

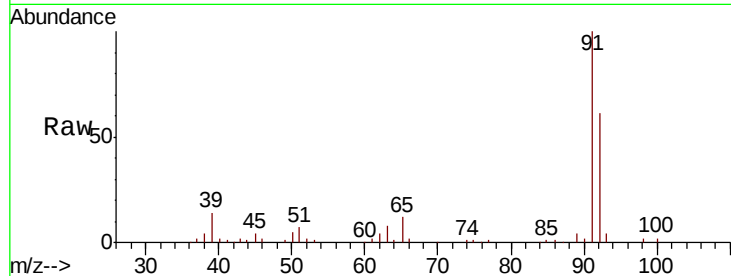
SU-01-102518-A

Tot Ion: 92 Resp: 185387

Ion Ratio Lower Upper

92 100

91 165.0 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

150000

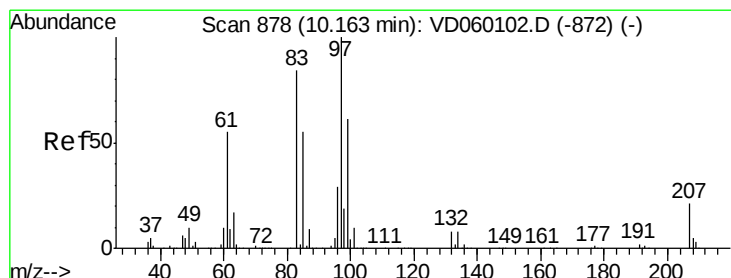
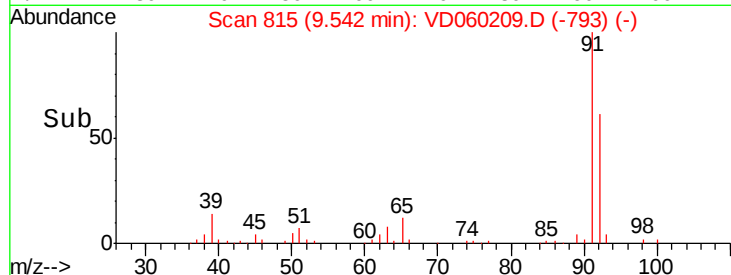
100000

50000

0

9.54

Time--> 9.40 9.50 9.60 9.70



#55

1,1,2-Trichloroethane

Concen: 1.083 ug/l

RT: 10.09 min Scan# 871

Delta R.T. -0.07 min

Lab File: VD060209.D

Acq: 25 Oct 2018 21:52

Tgt Ion: 97 Resp: 12258

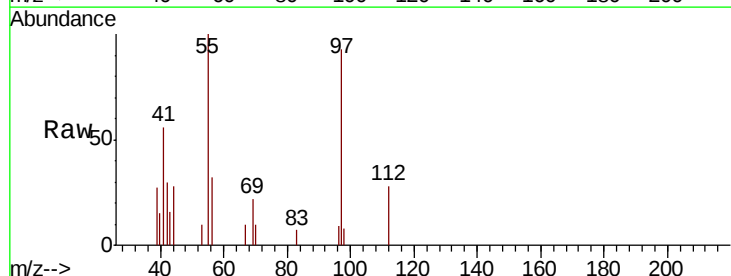
Ion Ratio Lower Upper

97 100

83 7.2 67.0 100.6#

85 0.0 43.9 65.9#

99 0.0 49.1 73.7#



Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC

6000

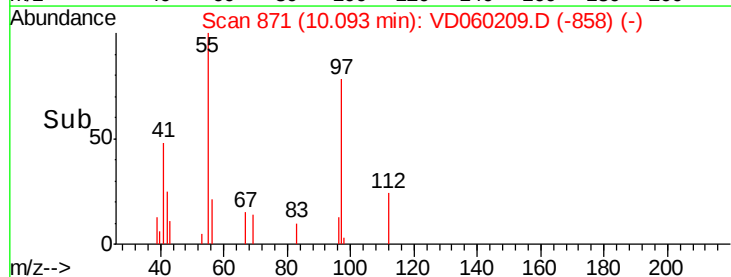
4000

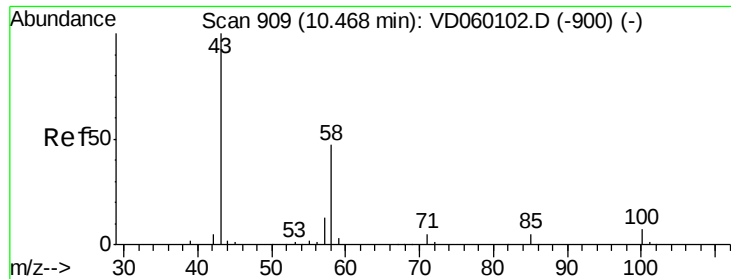
2000

0

10.09

Time--> 10.00 10.05 10.10 10.15

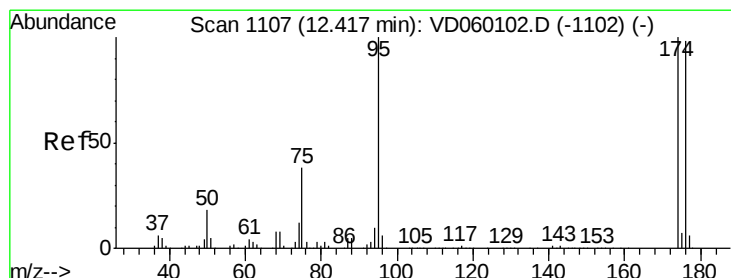
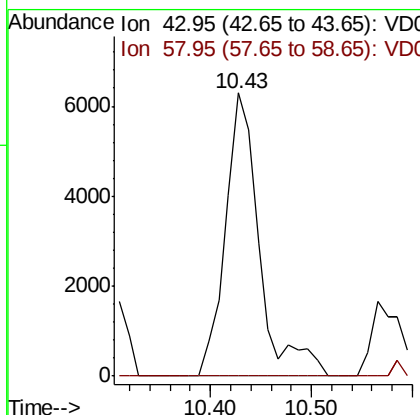
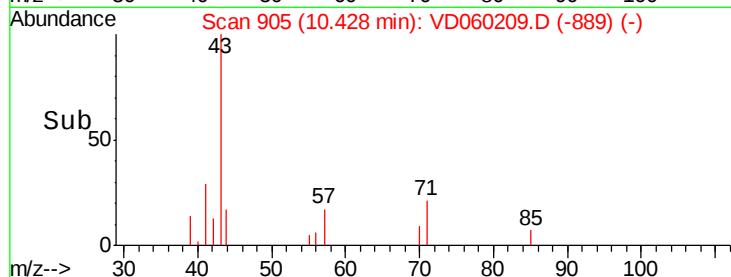
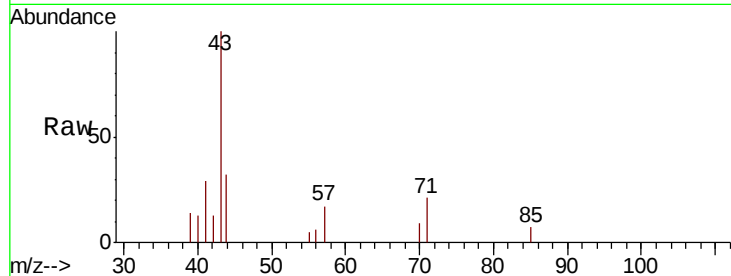




#59
2-Hexanone
Concen: 1.805 ug/l
RT: 10.43 min Scan# 905
Delta R.T. -0.04 min
Lab File: VD060209.D
Acq: 25 Oct 2018 21:52

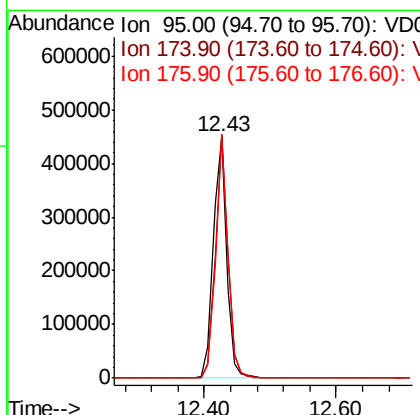
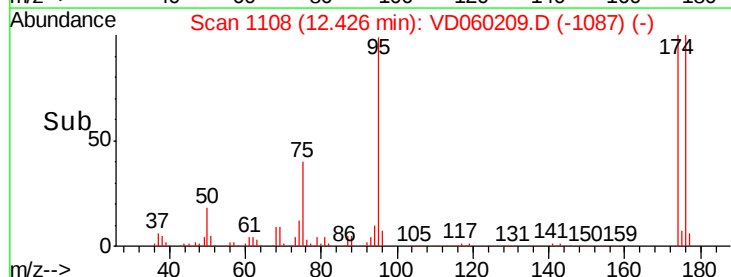
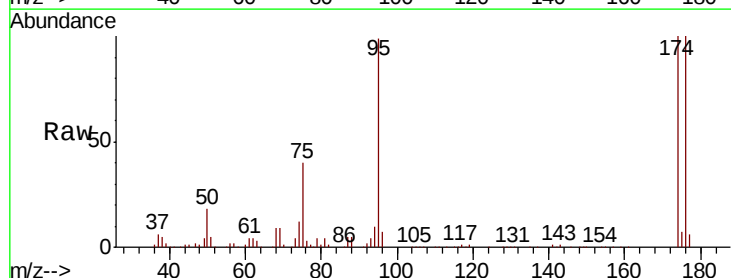
Instrument :
MSVOA_D
ClientSampleId :
SU-01-102518-A

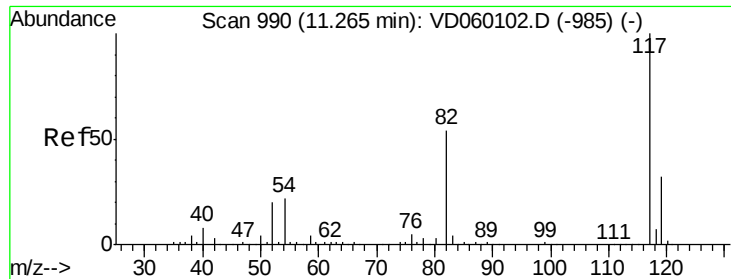
Tot Ion: 43 Resp: 14697
Ion Ratio Lower Upper
43 100
58 0.0 23.3 69.9#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VD060209.D
Acq: 25 Oct 2018 21:52

Tgt Ion: 95 Resp: 620214
Ion Ratio Lower Upper
95 100
174 100.9 0.0 200.2
176 100.9 0.0 195.6

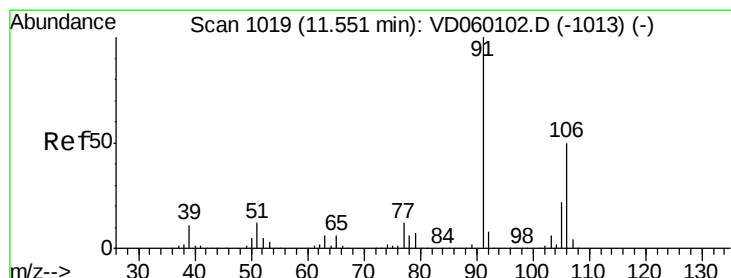
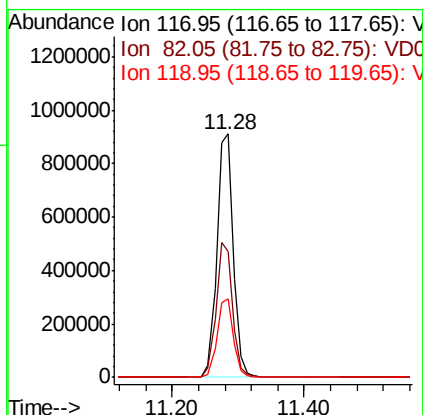
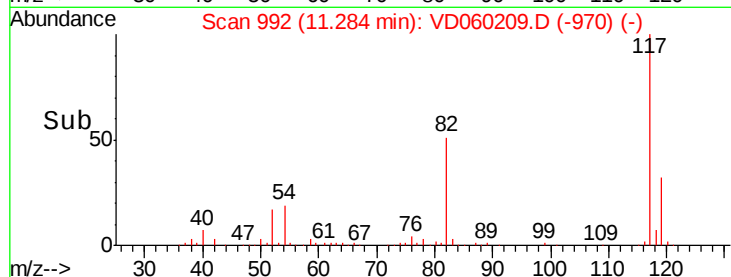
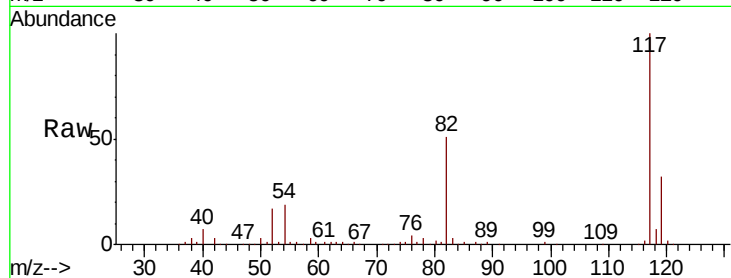




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060209.D
Acq: 25 Oct 2018 21:52

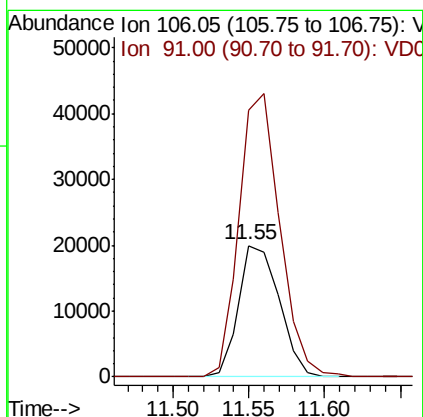
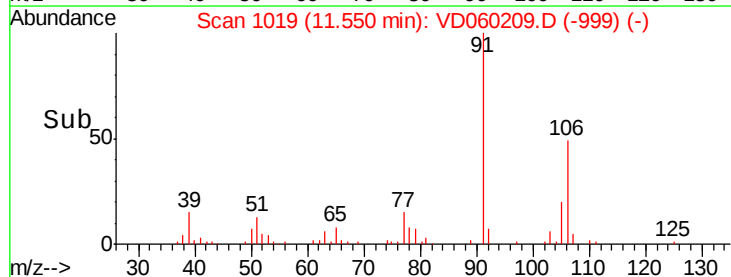
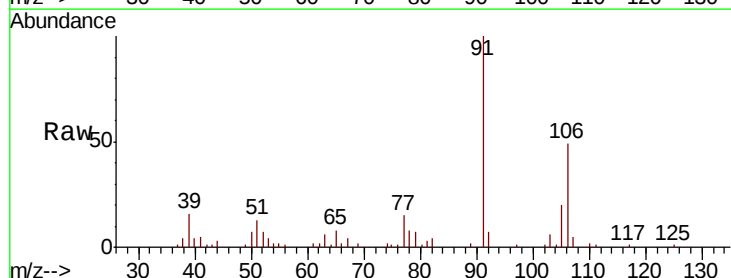
Instrument :
MSVOA_D
ClientSampleId :
SU-01-102518-A

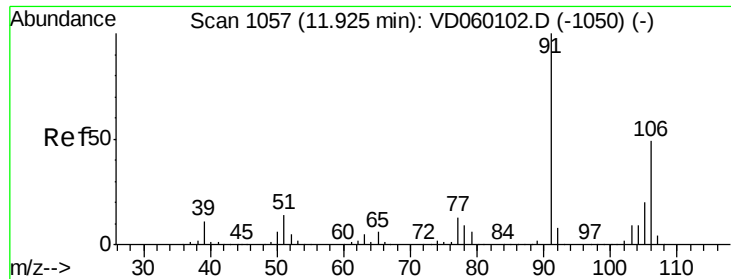
Tot Ion:117 Resp: 1567350
Ion Ratio Lower Upper
117 100
82 51.4 43.4 65.2
119 32.4 26.0 39.0



#68
m/p-Xylenes
Concen: 1.817 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD060209.D
Acq: 25 Oct 2018 21:52

Tgt Ion:106 Resp: 37305
Ion Ratio Lower Upper
106 100
91 203.8 160.0 240.0

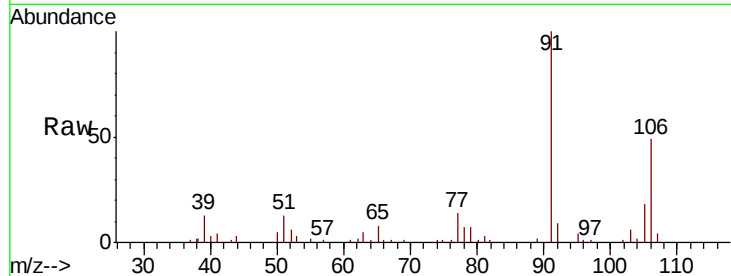




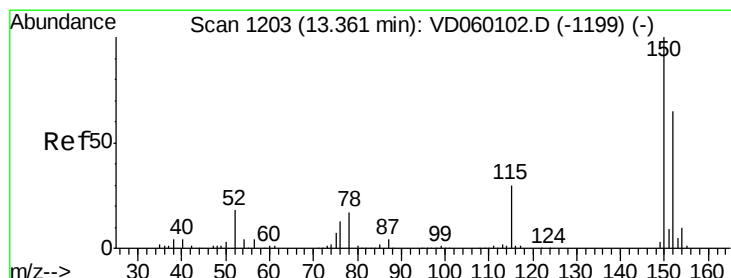
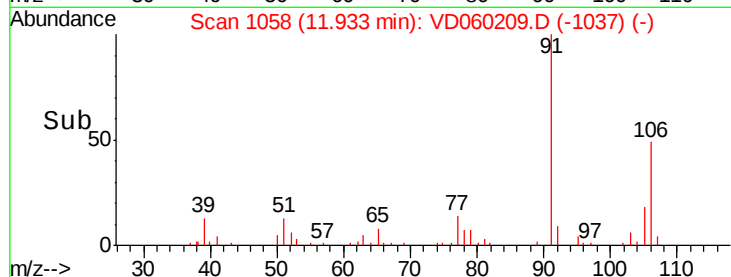
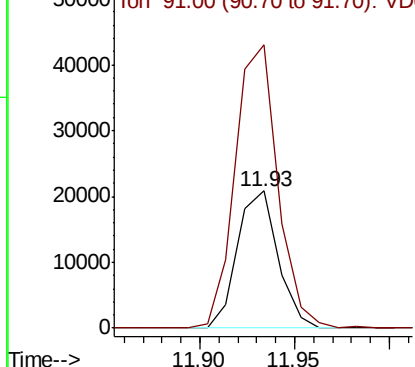
#69
o-Xylene
Concen: 1.518 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VD060209.D
Acq: 25 Oct 2018 21:52

Instrument :
MSVOA_D
ClientSampleId :
SU-01-102518-A

Tot Ion:106 Resp: 30822
Ion Ratio Lower Upper
106 100
91 206.0 102.5 307.5

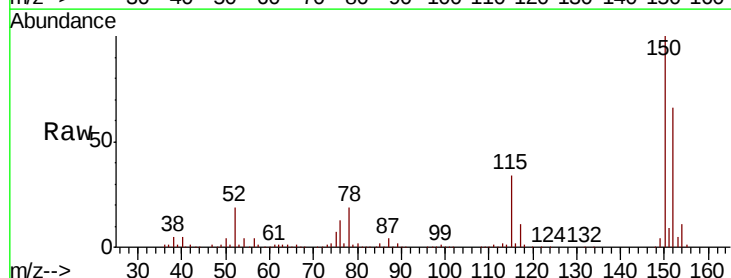


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

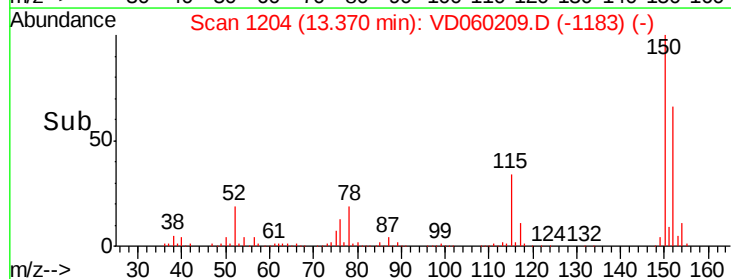
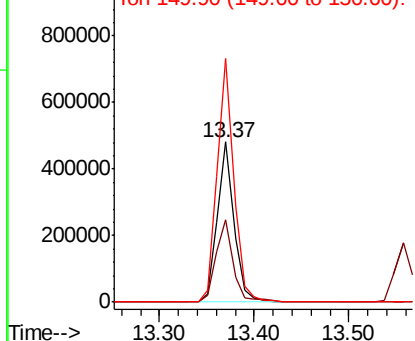


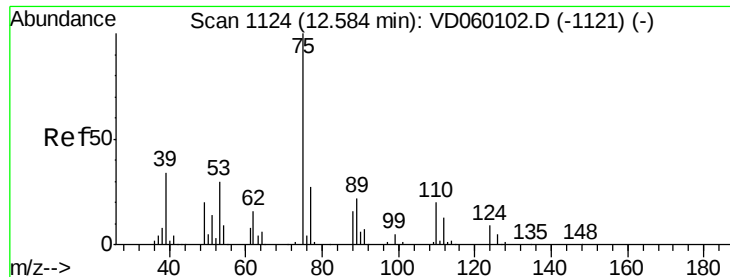
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060209.D
Acq: 25 Oct 2018 21:52

Tgt Ion:152 Resp: 585173
Ion Ratio Lower Upper
152 100
115 51.1 27.1 81.2
150 152.1 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: 28.299 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.16 min

Lab File: VD060209.D

Acq: 25 Oct 2018 21:52

Instrument :

MSVOA_D

ClientSampleId :

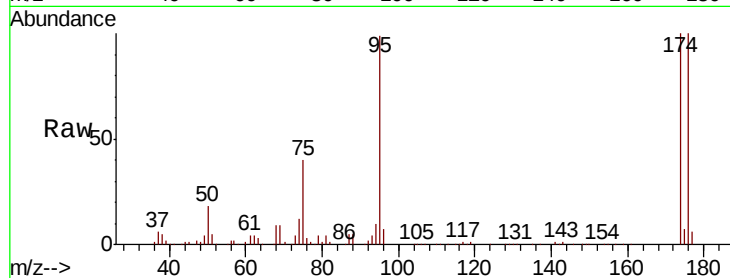
SU-01-102518-A

Tot Ion: 75 Resp: 238484

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

12.43

200000

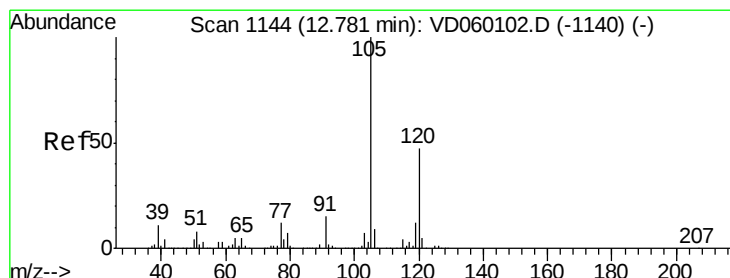
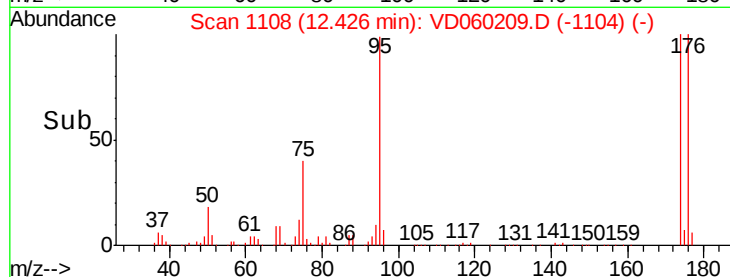
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 1.618 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060209.D

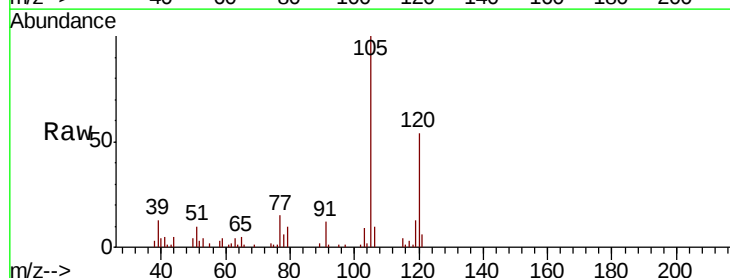
Acq: 25 Oct 2018 21:52

Tgt Ion:105 Resp: 48332

Ion Ratio Lower Upper

105 100

120 53.9 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.79

40000

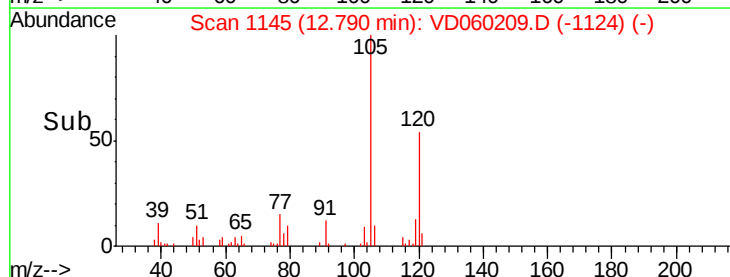
30000

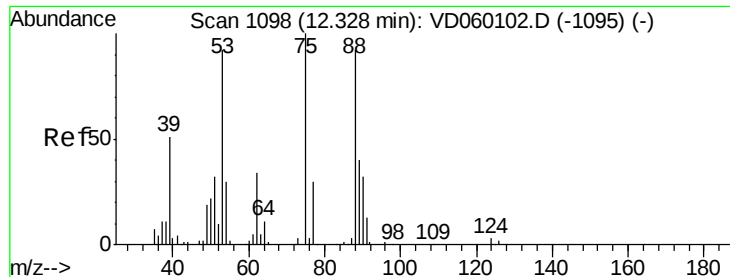
20000

10000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 108.185 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.10 min

Lab File: VD060209.D

Acq: 25 Oct 2018 21:52

Instrument :

MSVOA_D

ClientSampleId :

SU-01-102518-A

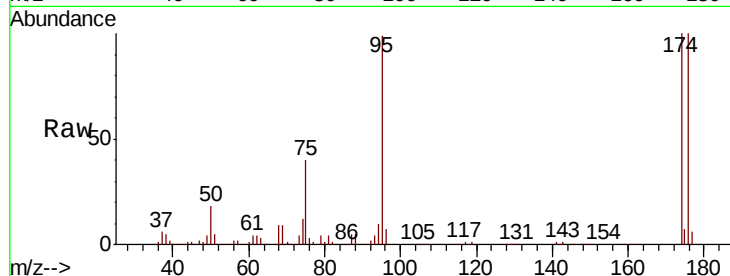
Tot Ion: 75 Resp: 256175

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.6#

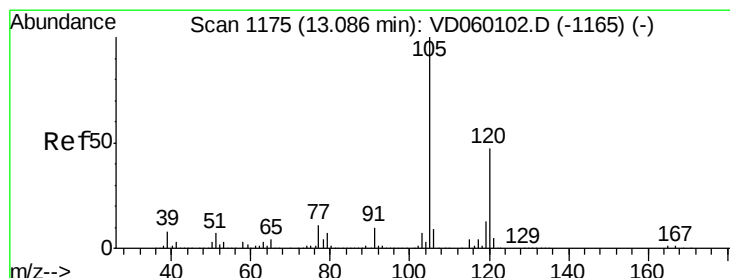
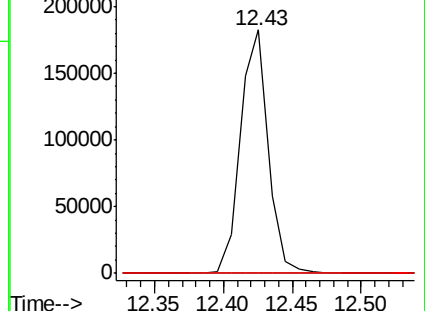
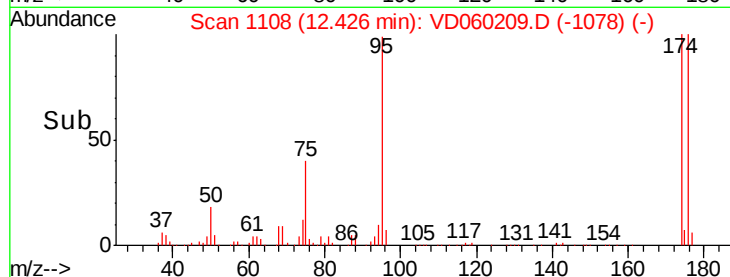
89 0.0 32.0 48.0#



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



#84

1,2,4-Trimethylbenzene

Concen: 6.752 ug/l

RT: 13.09 min Scan# 1176

Delta R.T. 0.01 min

Lab File: VD060209.D

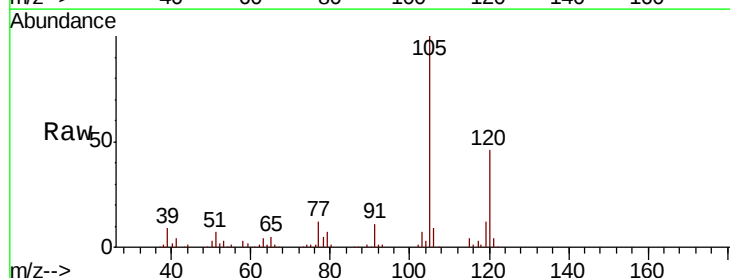
Acq: 25 Oct 2018 21:52

Tgt Ion: 105 Resp: 212634

Ion Ratio Lower Upper

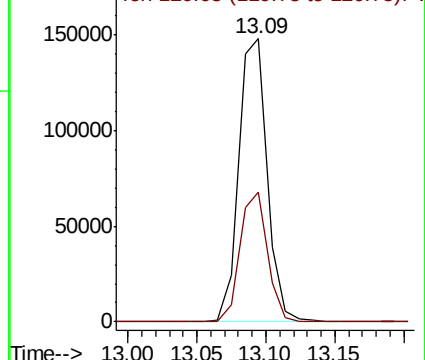
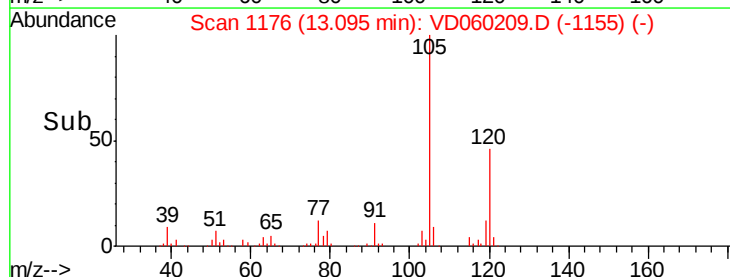
105 100

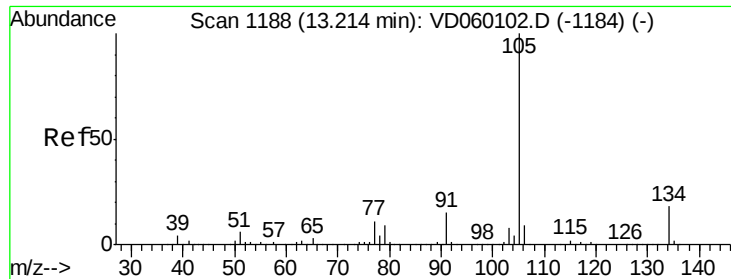
120 46.0 23.4 70.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

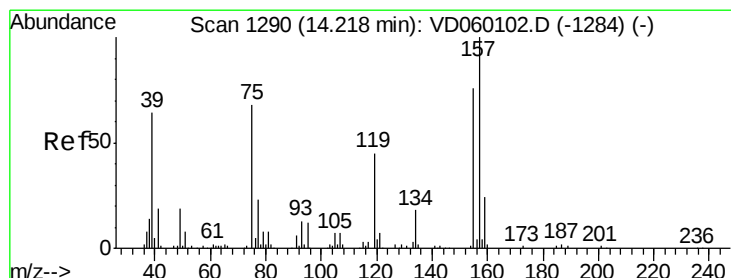
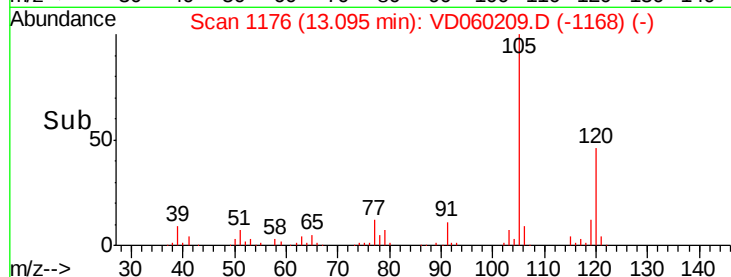
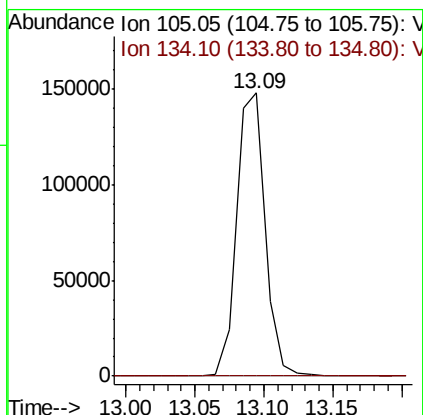
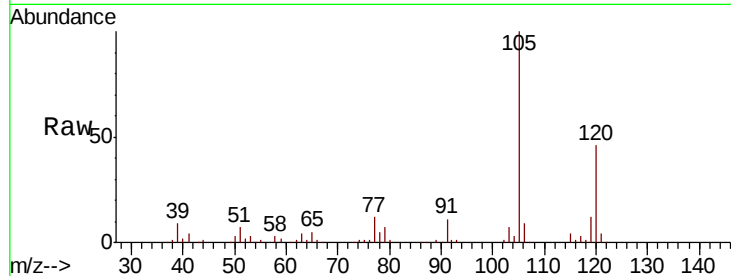




#85
 sec-Butylbenzene
 Concen: 5.245 ug/l
 RT: 13.09 min Scan# 1176
 Delta R.T. -0.12 min
 Lab File: VD060209.D
 Acq: 25 Oct 2018 21:52

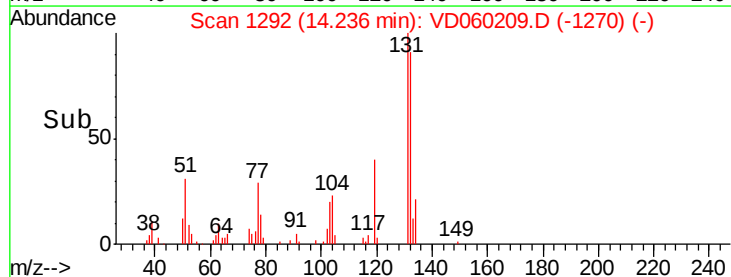
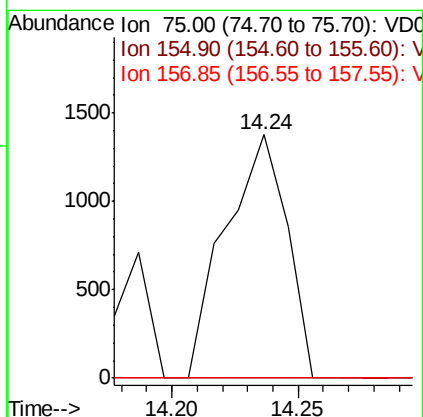
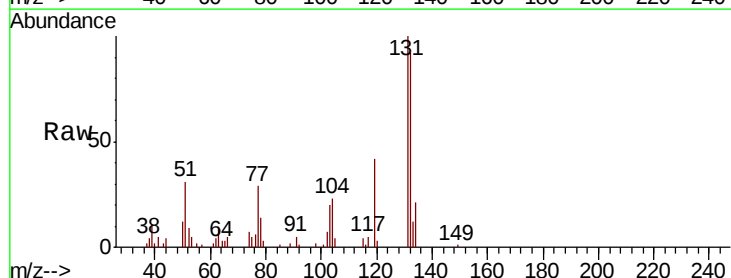
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-102518-A

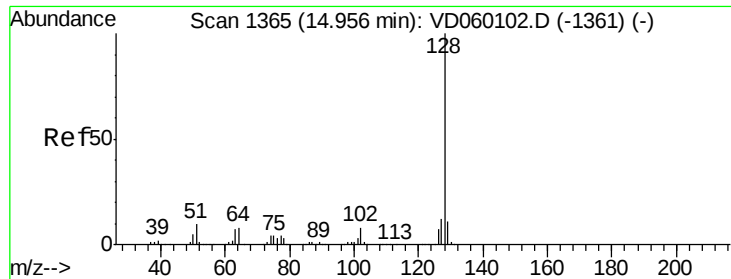
Tot Ion: 105 Resp: 212634
 Ion Ratio Lower Upper
 105 100
 134 0.0 8.8 26.2#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.074 ug/l
 RT: 14.24 min Scan# 1292
 Delta R.T. 0.02 min
 Lab File: VD060209.D
 Acq: 25 Oct 2018 21:52

Tgt Ion: 75 Resp: 2334
 Ion Ratio Lower Upper
 75 100
 155 0.0 55.9 167.7#
 157 0.0 73.3 219.8#



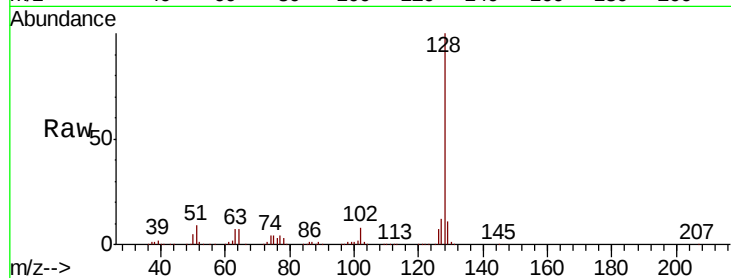


#95
 Naphthalene
 Concen: 118.239 ug/l
 RT: 14.96 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VD060209.D
 Acq: 25 Oct 2018 21:52

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-102518-A

Tot Ion:128 Resp: 2444830

Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.9	14.9
129	11.0	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

