

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058324.D
 Acq On : 23 Jun 2018 6:09
 Operator : VA/AP
 Sample : J3252-03
 Misc : 5.27g/5ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-062118

Quant Time: Jun 25 00:55:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

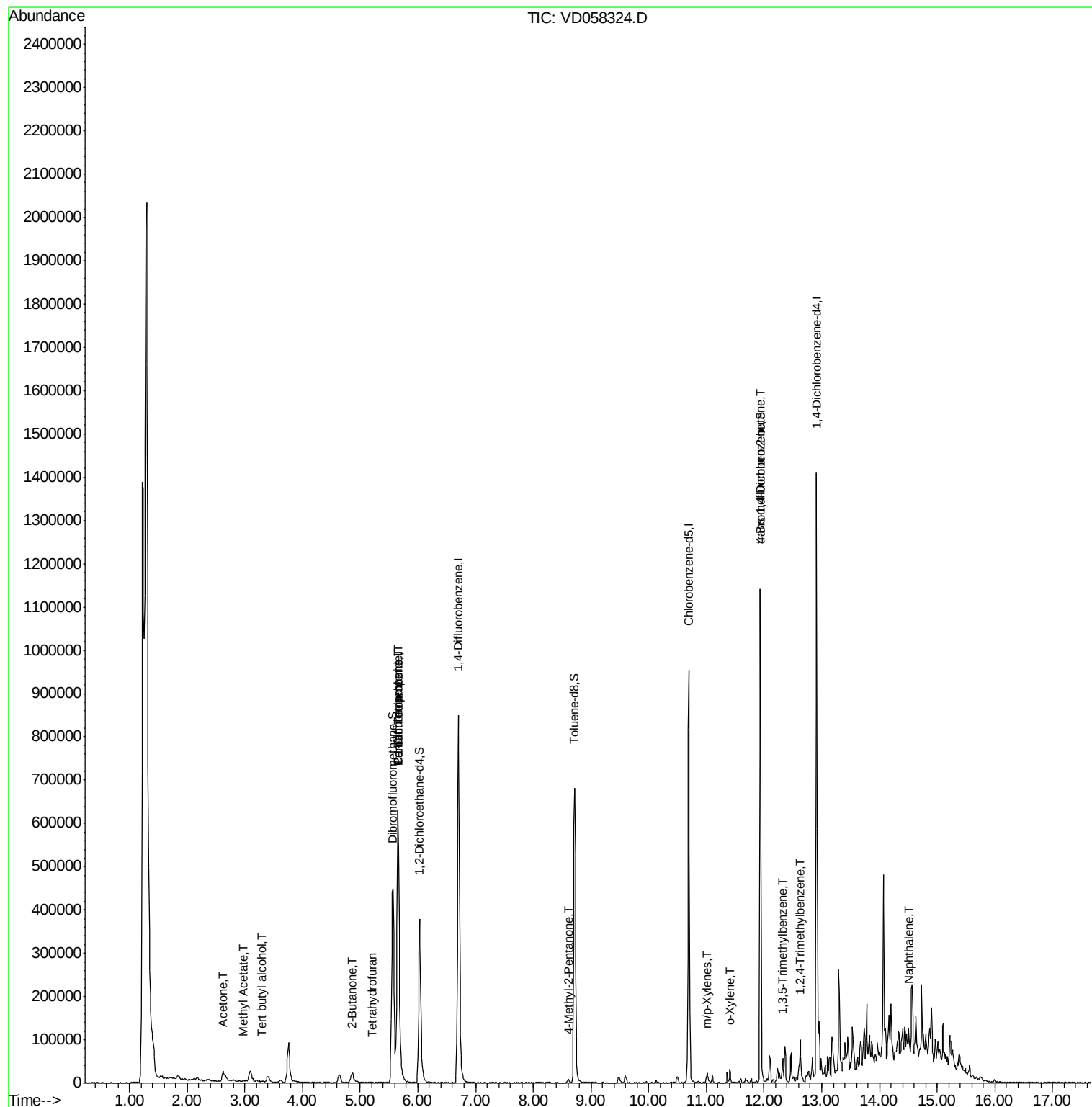
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	641966	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	884177	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	521640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	292988	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	382453	58.98	ug/l	0.02
Spiked Amount 50.000			Recovery	=	117.96%	
35) Dibromofluoromethane	5.56	113	380404	52.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.72%	
50) Toluene-d8	8.72	98	560710	32.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	64.42%	
62) 4-Bromofluorobenzene	11.94	95	295013	41.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.96%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.40	85	185	Below Cal	#	43
11) Tert butyl alcohol	3.28	59	726	3.395	ug/l #	78
16) Acetone	2.62	43	48581	54.783	ug/l	94
18) Methyl Acetate	2.96	43	6203	3.280	ug/l #	65
20) Methylene Chloride	3.09	84	6975	Below Cal		88
25) 2-Butanone	4.87	43	4481	2.318	ug/l #	60
29) Tetrahydrofuran	5.21	42	1048	1.019	ug/l #	52
31) Cyclohexane	5.66	56	15051	Below Cal	#	1
36) 1,1-Dichloropropene	5.66	75	54659	6.249	ug/l #	46
38) Carbon Tetrachloride	5.66	117	56812	6.537	ug/l #	13
51) 4-Methyl-2-Pentanone	8.61	43	9078	2.095	ug/l #	79
68) m/p-Xylenes	11.01	106	7083	1.233	ug/l	99
69) o-Xylene	11.41	106	7060	1.287	ug/l	89
80) 1,3,5-Trimethylbenzene	12.32	105	19810	1.449	ug/l	88
81) trans-1,4-Dichloro-2-buten	11.94	75	142216	136.313	ug/l #	1
82) 4-Chlorotoluene	12.32	91	3392	Below Cal	#	45
84) 1,2,4-Trimethylbenzene	12.63	105	36219	2.438	ug/l	100
95) Naphthalene	14.52	128	11464	1.172	ug/l #	92

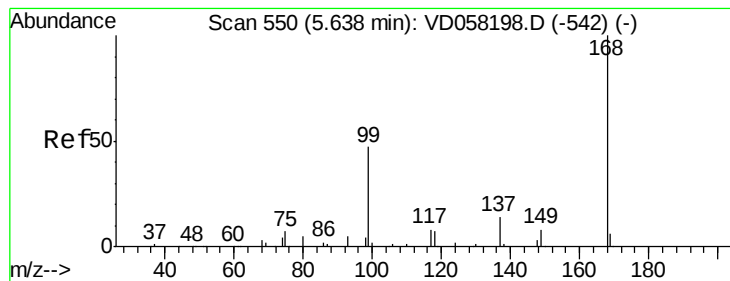
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062218\
Data File : VD058324.D
Acq On : 23 Jun 2018 6:09
Operator : VA/AP
Sample : J3252-03
Misc : 5.27g/5ml/MSVOA D/SOIL
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TR-05-062118

Quant Time: Jun 25 00:55:03 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058324.D

Acq: 23 Jun 2018 6:09

Instrument :

MSVOA_D

ClientSampleId :

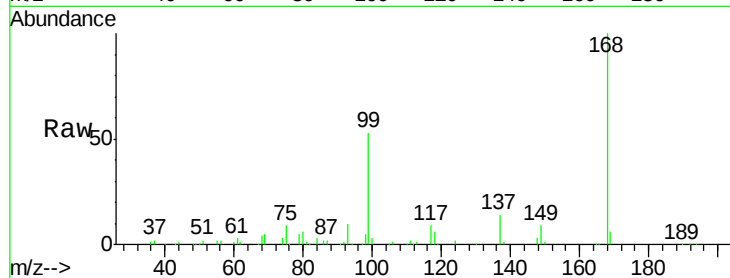
TR-05-062118

Tot Ion:168 Resp: 641966

Ion Ratio Lower Upper

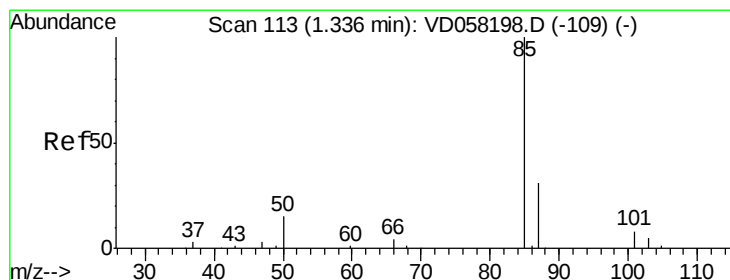
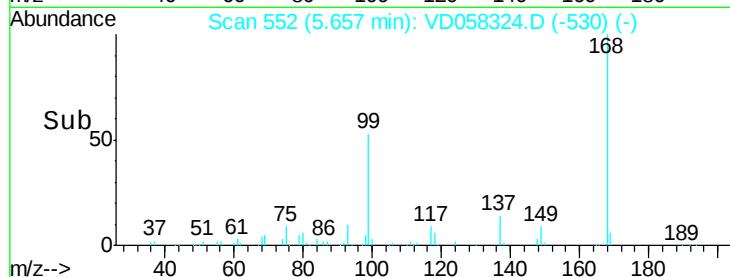
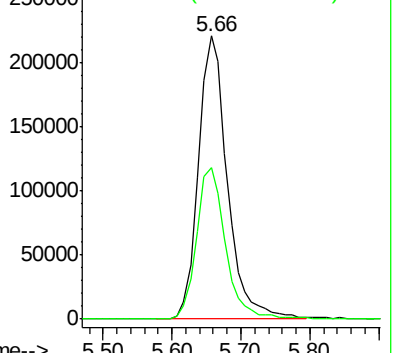
168 100

99 53.5 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.40 min Scan# 120

Delta R.T. 0.07 min

Lab File: VD058324.D

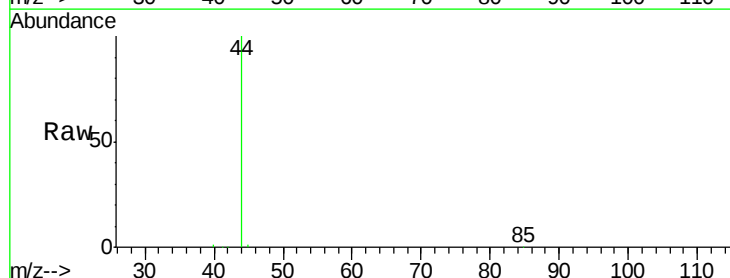
Acq: 23 Jun 2018 6:09

Tgt Ion: 85 Resp: 185

Ion Ratio Lower Upper

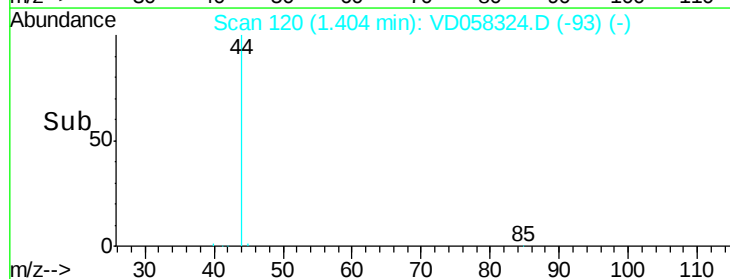
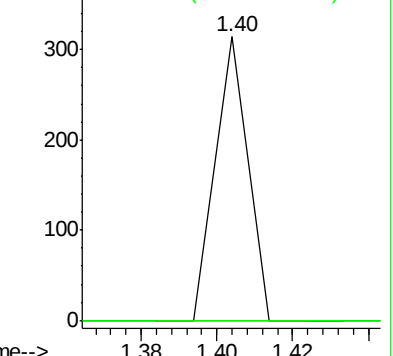
85 100

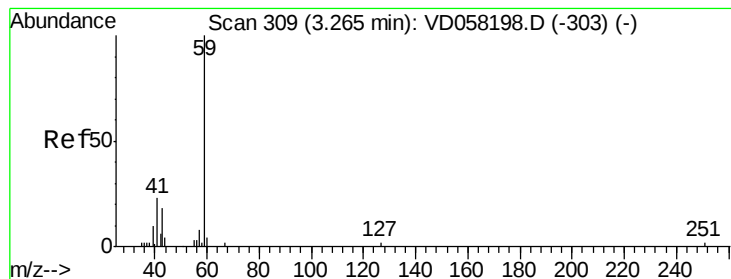
87 0.0 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC



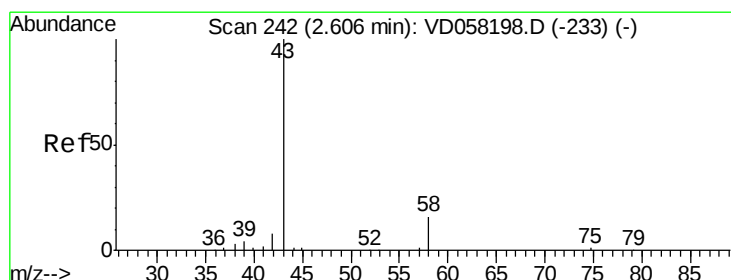
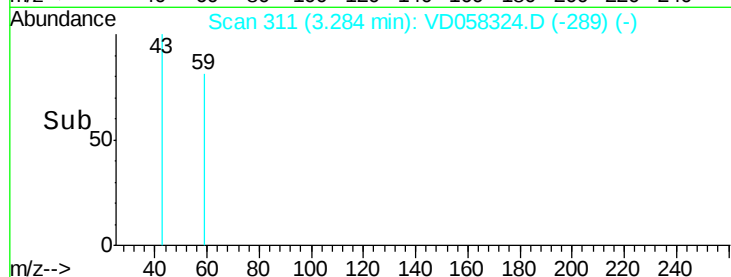
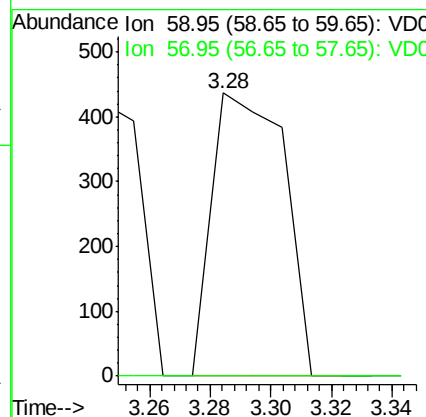
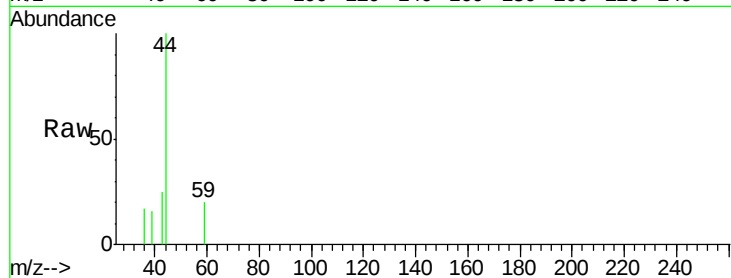


#11

Tert butyl alcohol
 Concen: 3.395 ug/l
 RT: 3.28 min Scan# 311
 Delta R.T. 0.02 min
 Lab File: VD058324.D
 Acq: 23 Jun 2018 6:09

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-062118

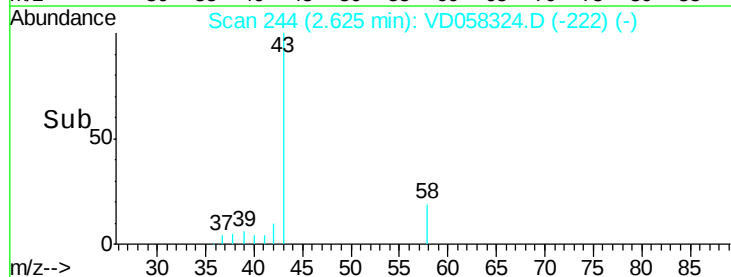
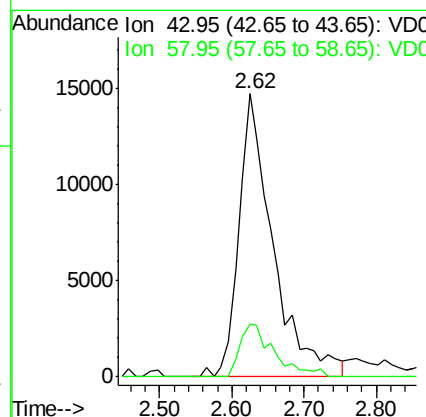
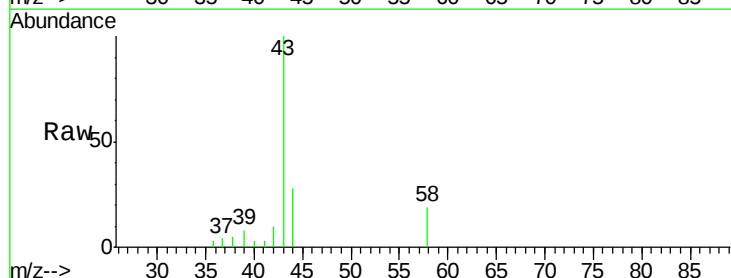
Tot Ion: 59 Resp: 726
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.2 9.4#

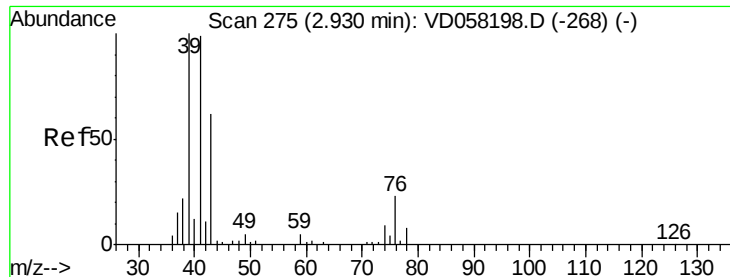


#16

Acetone
 Concen: 54.783 ug/l
 RT: 2.62 min Scan# 244
 Delta R.T. 0.02 min
 Lab File: VD058324.D
 Acq: 23 Jun 2018 6:09

Tgt Ion: 43 Resp: 48581
 Ion Ratio Lower Upper
 43 100
 58 18.6 12.7 19.1

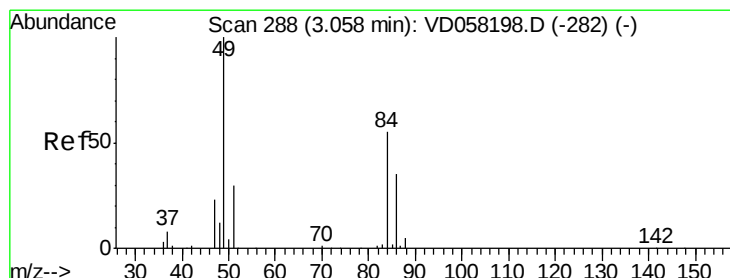
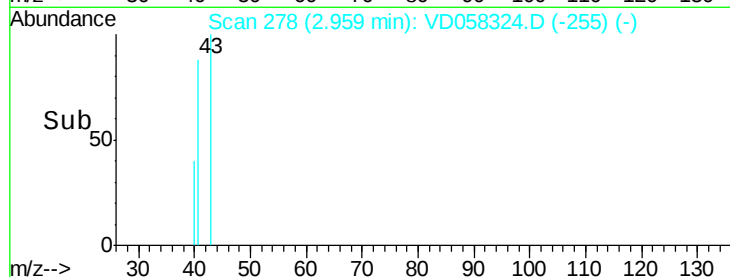
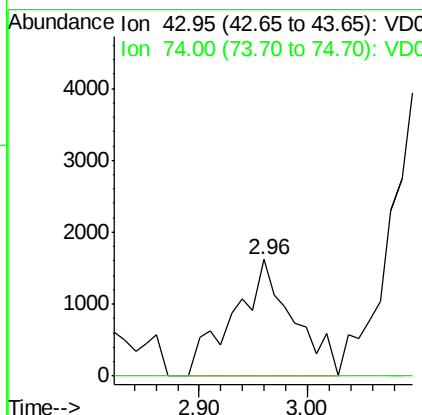
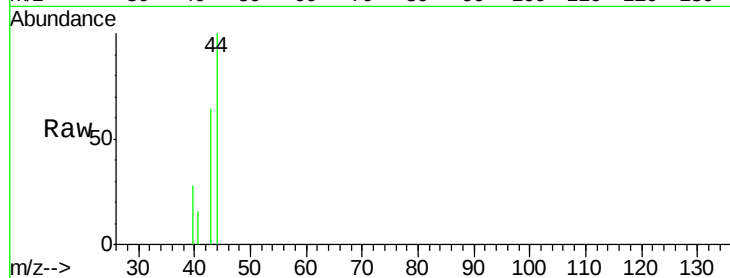




#18
Methyl Acetate
Concen: 3.280 ug/l
RT: 2.96 min Scan# 278
Delta R.T. 0.03 min
Lab File: VD058324.D
Acq: 23 Jun 2018 6:09

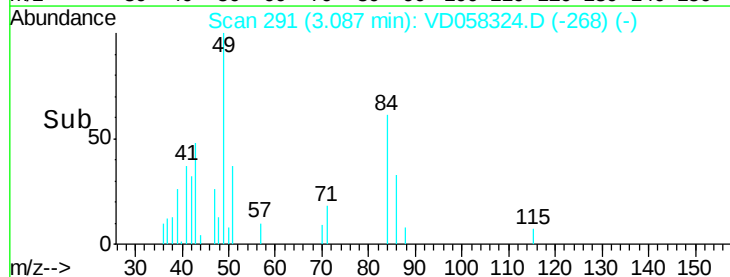
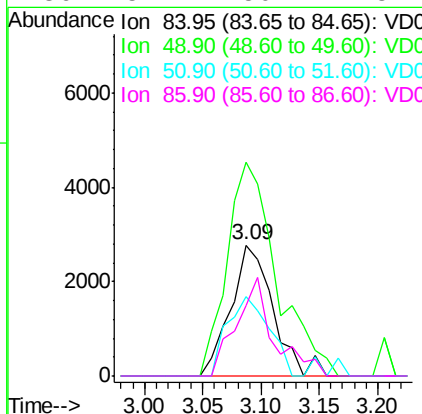
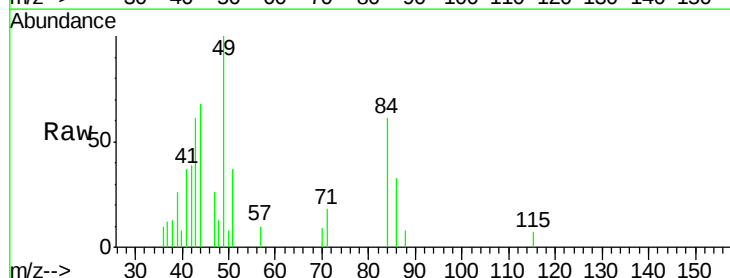
Instrument :
MSVOA_D
ClientSampleId :
TR-05-062118

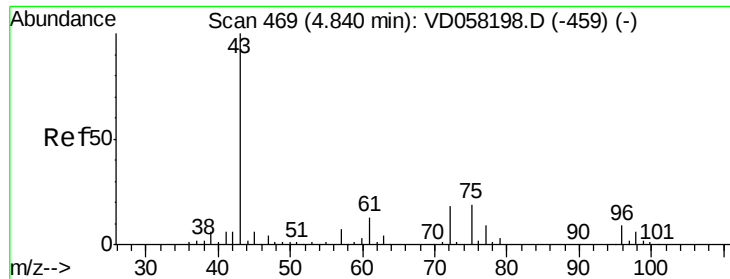
Tot Ion: 43 Resp: 6203
Ion Ratio Lower Upper
43 100
74 0.0 11.7 17.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 3.09 min Scan# 291
Delta R.T. 0.03 min
Lab File: VD058324.D
Acq: 23 Jun 2018 6:09

Tgt Ion: 84 Resp: 6975
Ion Ratio Lower Upper
84 100
49 163.1 145.0 217.6
51 60.3 42.9 64.3
86 54.1 50.1 75.1





#25

2-Butanone

Concen: 2.318 ug/l

RT: 4.87 min Scan# 472

Delta R.T. 0.03 min

Lab File: VD058324.D

Acq: 23 Jun 2018 6:09

Instrument :

MSVOA_D

ClientSampleId :

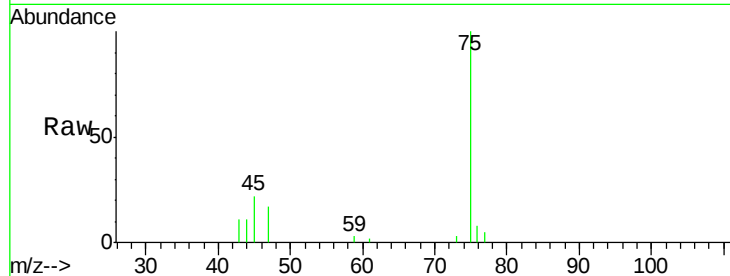
TR-05-062118

Tot Ion: 43 Resp: 4481

Ion Ratio Lower Upper

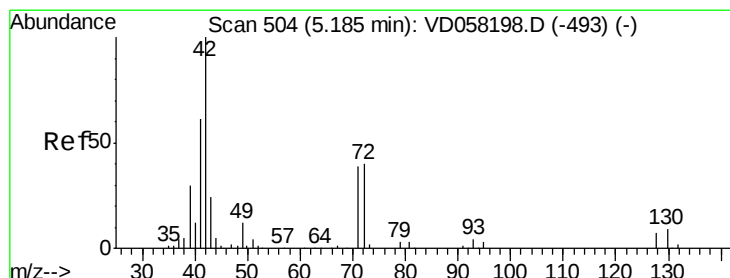
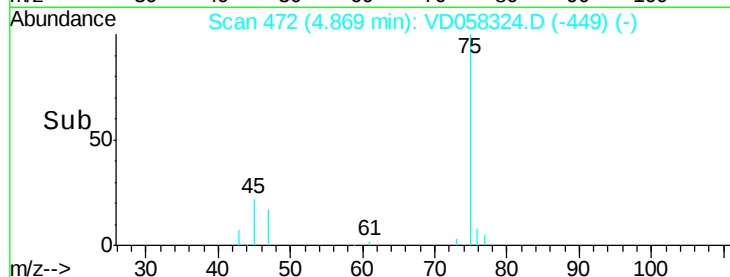
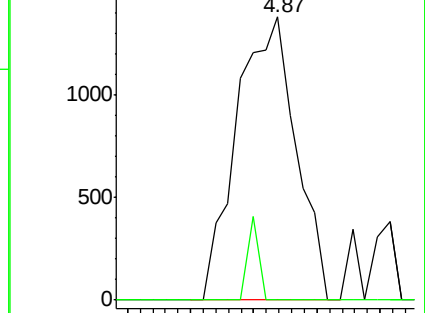
43 100

72 0.0 14.1 21.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.019 ug/l

RT: 5.21 min Scan# 507

Delta R.T. 0.03 min

Lab File: VD058324.D

Acq: 23 Jun 2018 6:09

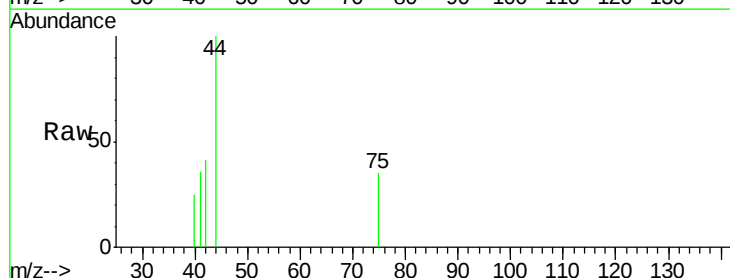
Tgt Ion: 42 Resp: 1048

Ion Ratio Lower Upper

42 100

72 17.3 30.2 45.2#

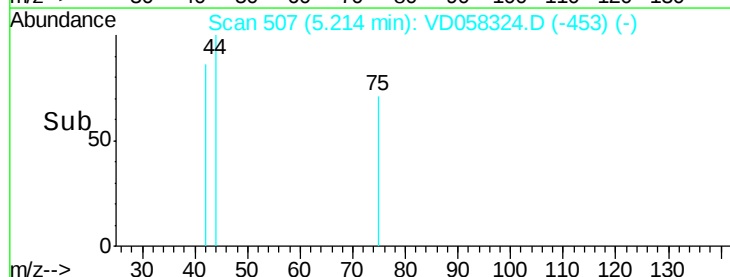
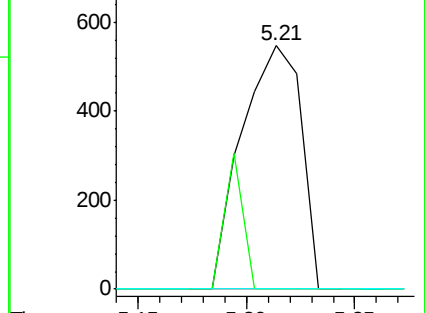
71 0.0 30.1 45.1#

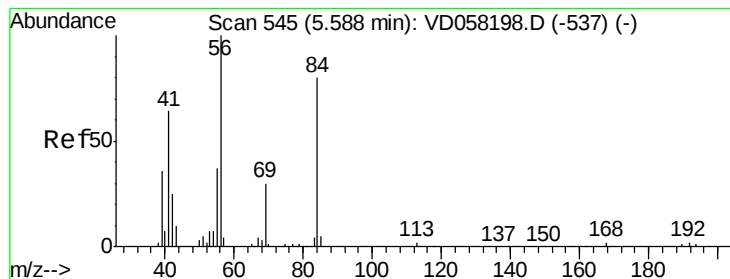


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: Below Cal

RT: 5.66 min Scan# 552

Delta R.T. 0.07 min

Lab File: VD058324.D

Acq: 23 Jun 2018 6:09

Instrument :

MSVOA_D

ClientSampleId :

TR-05-062118

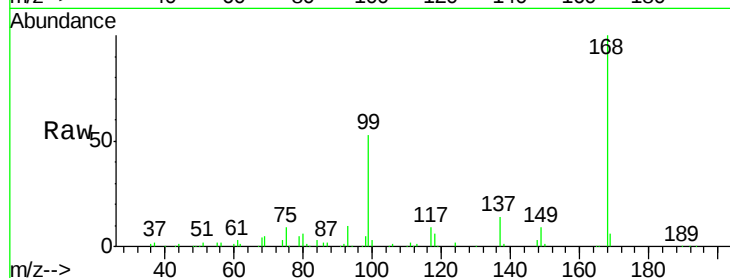
Tot Ion: 56 Resp: 15051

Ion Ratio Lower Upper

56 100

69 232.7 23.6 35.4#

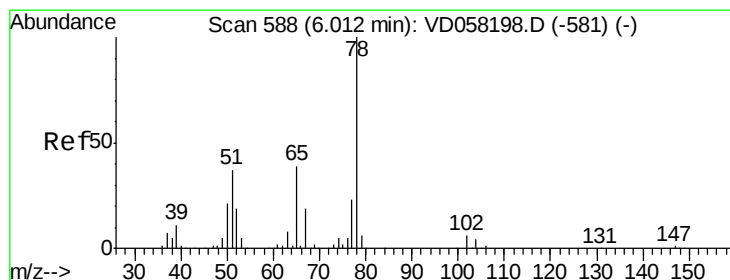
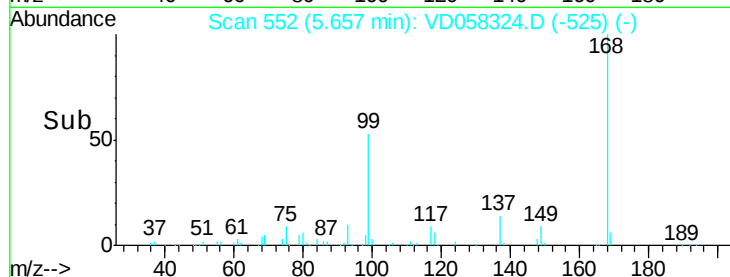
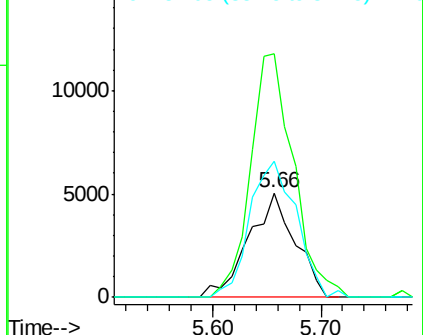
84 130.0 65.2 97.8#



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: Below ug/l

RT: 6.03 min Scan# 590

Delta R.T. 0.02 min

Lab File: VD058324.D

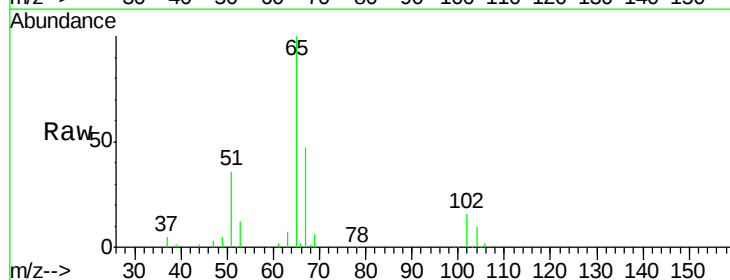
Acq: 23 Jun 2018 6:09

Tgt Ion: 65 Resp: 382453

Ion Ratio Lower Upper

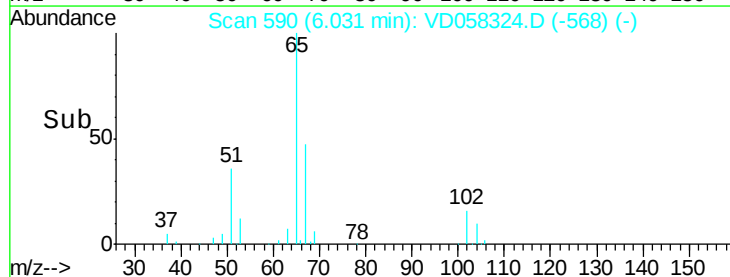
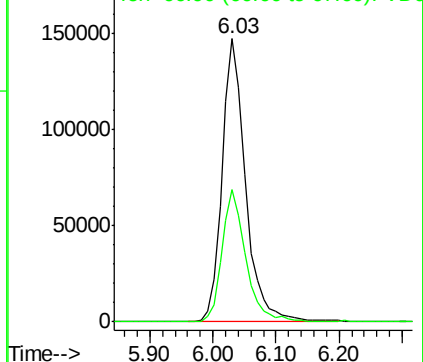
65 100

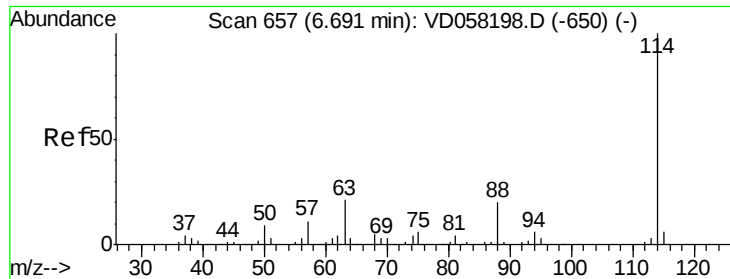
67 46.6 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

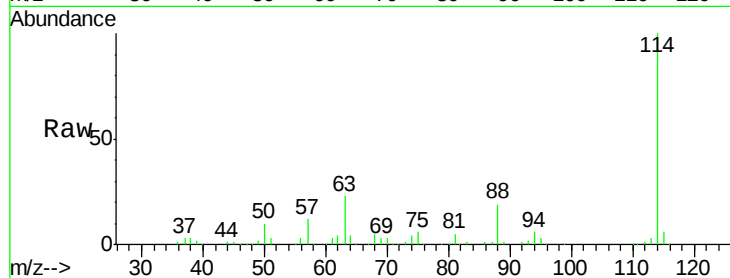




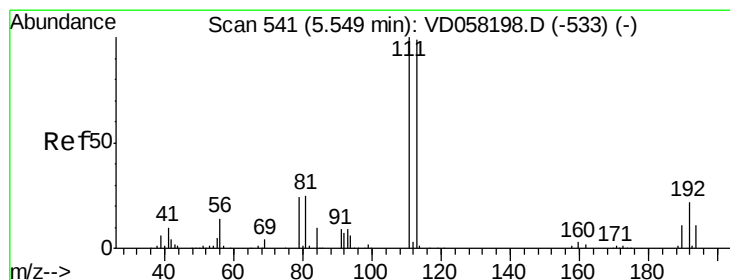
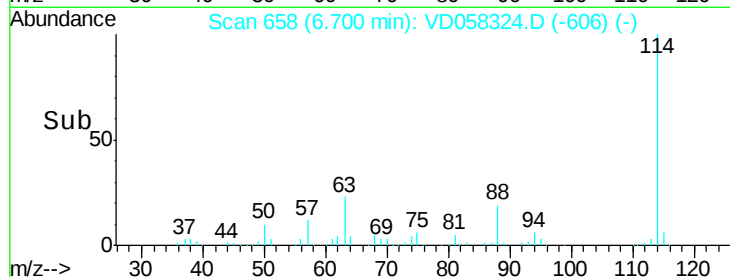
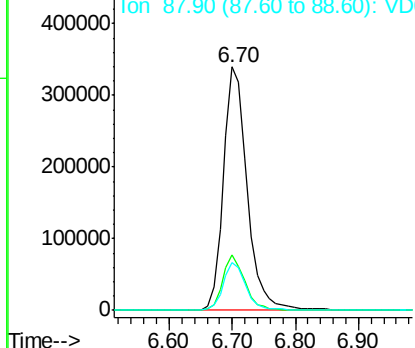
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD058324.D
 Acq: 23 Jun 2018 6:09

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-062118

Tot Ion:114 Resp: 884177
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 42.6
 88 19.4 0.0 40.6

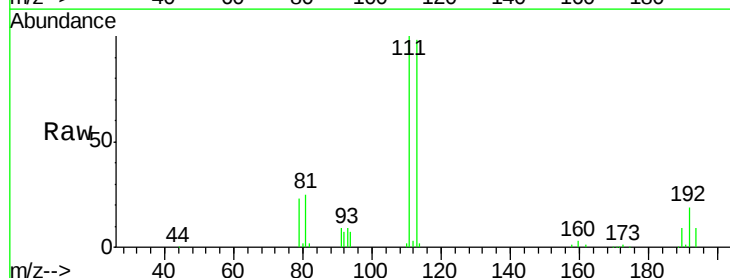


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC

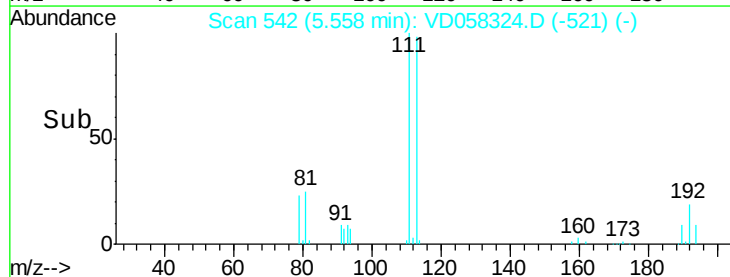
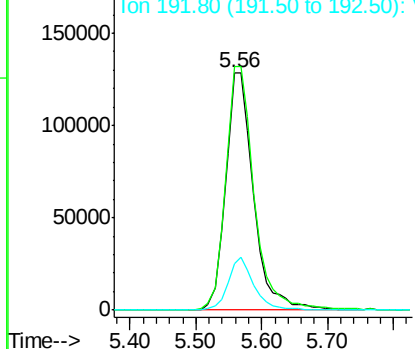


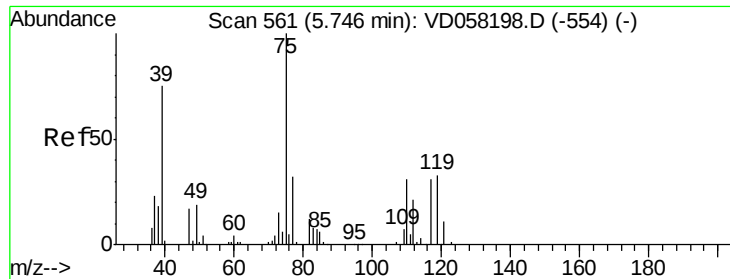
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.56 min Scan# 542
 Delta R.T. 0.01 min
 Lab File: VD058324.D
 Acq: 23 Jun 2018 6:09

Tgt Ion:113 Resp: 380404
 Ion Ratio Lower Upper
 113 100
 111 102.4 80.6 121.0
 192 19.7 17.8 26.6



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: 6.249 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.09 min

Lab File: VD058324.D

Acq: 23 Jun 2018 6:09

Instrument :

MSVOA_D

ClientSampleId :

TR-05-062118

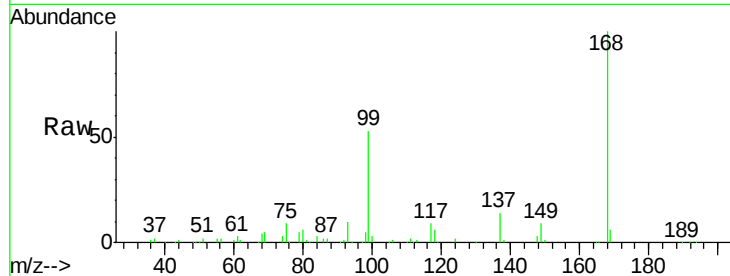
Tot Ion: 75 Resp: 54659

Ion Ratio Lower Upper

75 100

110 3.5 15.4 46.4#

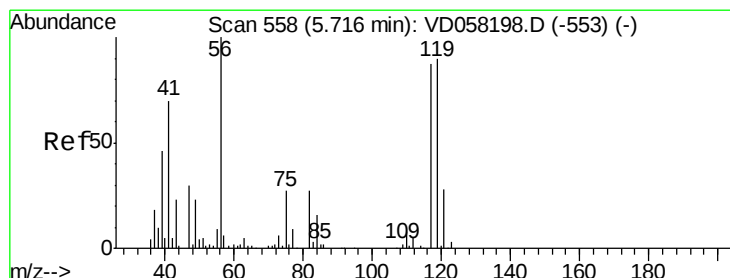
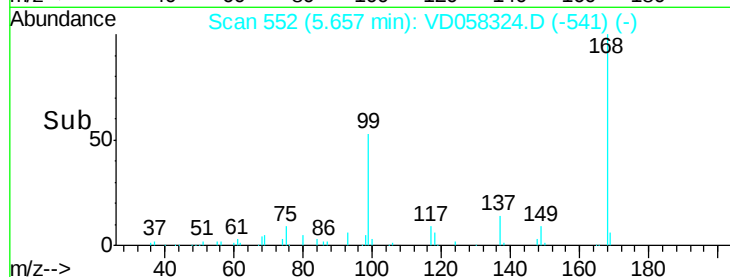
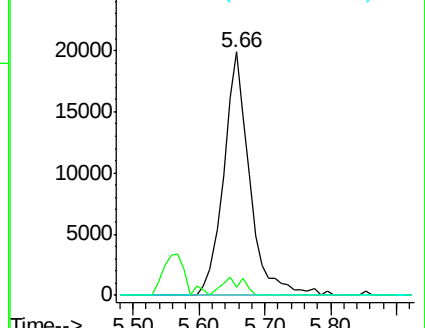
77 0.0 25.4 38.2#



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: 6.537 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.06 min

Lab File: VD058324.D

Acq: 23 Jun 2018 6:09

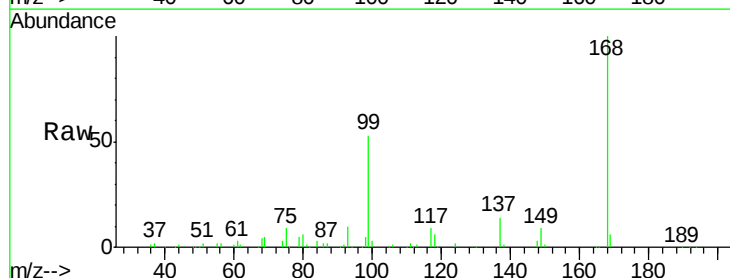
Tgt Ion: 117 Resp: 56812

Ion Ratio Lower Upper

117 100

119 3.0 78.8 118.2#

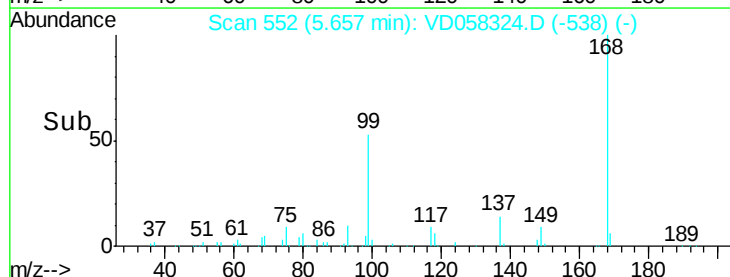
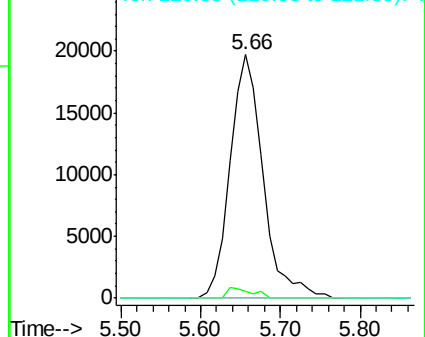
121 0.0 25.0 37.6#

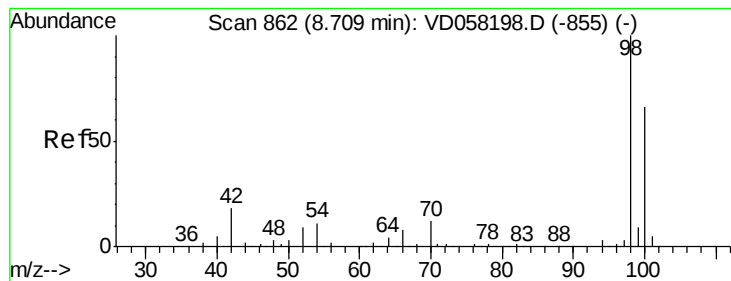


Abundance Ion 116.85 (116.55 to 117.55): V

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: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058324.D

Acq: 23 Jun 2018 6:09

Instrument :

MSVOA_D

ClientSampleId :

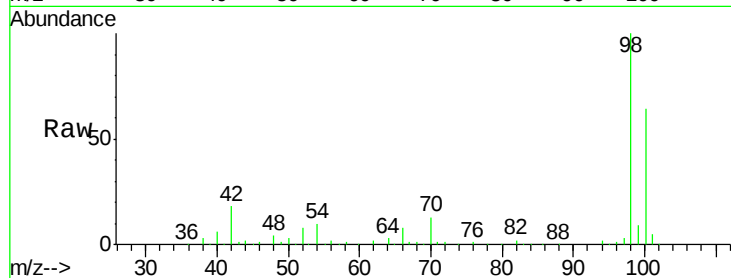
TR-05-062118

Tot Ion: 98 Resp: 560710

Ion Ratio Lower Upper

98 100

100 64.4 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

8.72

250000

200000

150000

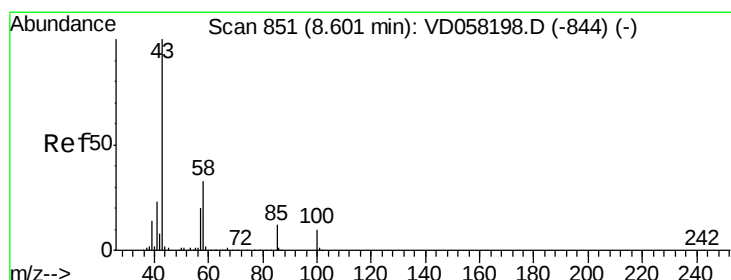
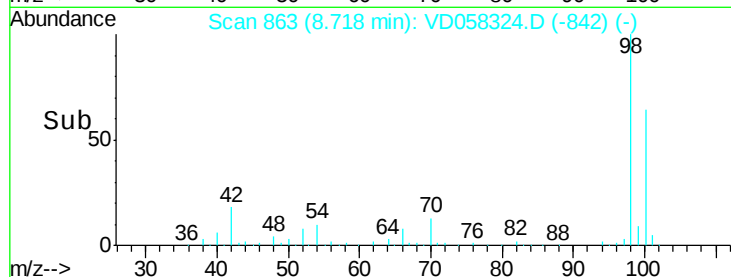
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.095 ug/l

RT: 8.61 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD058324.D

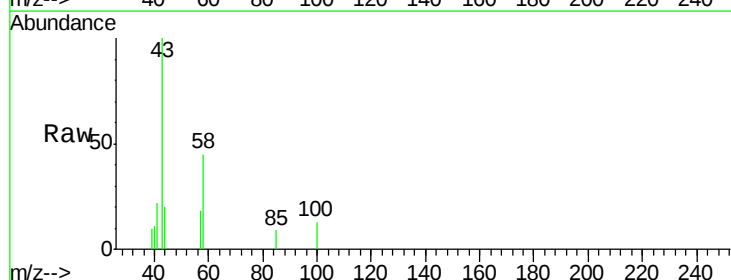
Acq: 23 Jun 2018 6:09

Tgt Ion: 43 Resp: 9078

Ion Ratio Lower Upper

43 100

58 45.2 26.7 40.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.61

4000

3000

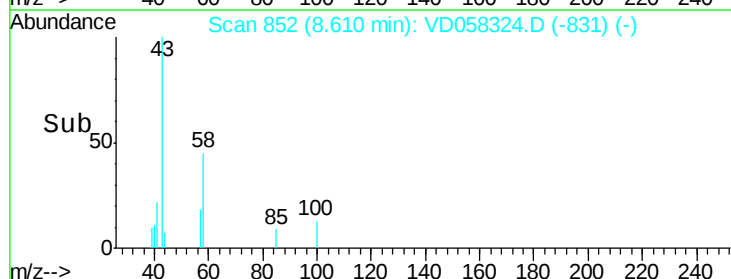
2000

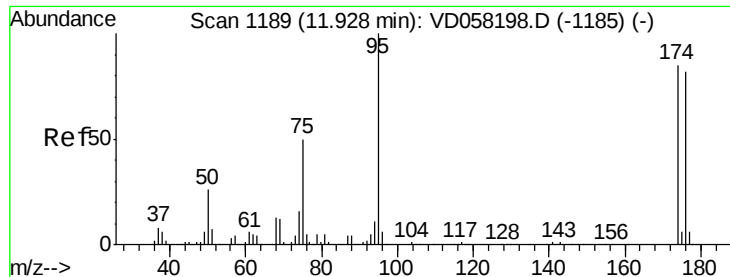
1000

0

8.55 8.60 8.65 8.70

Time-->

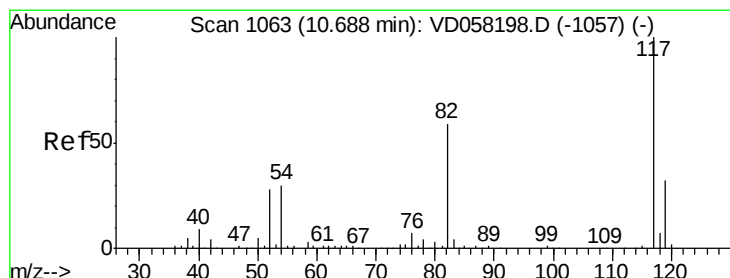
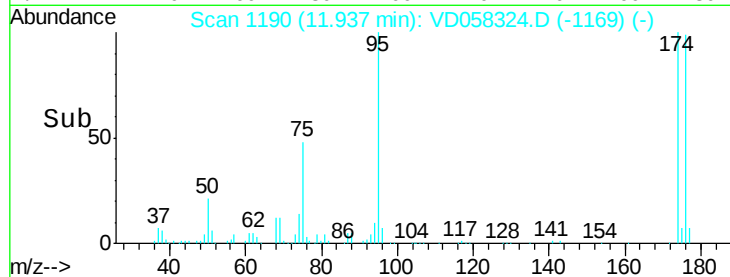
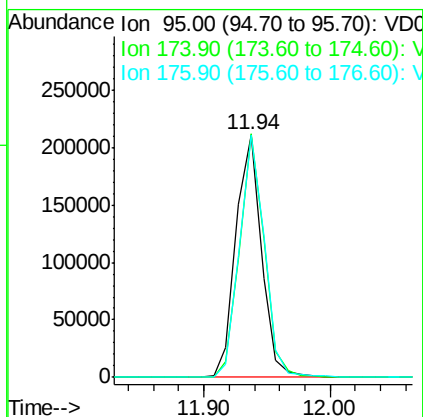
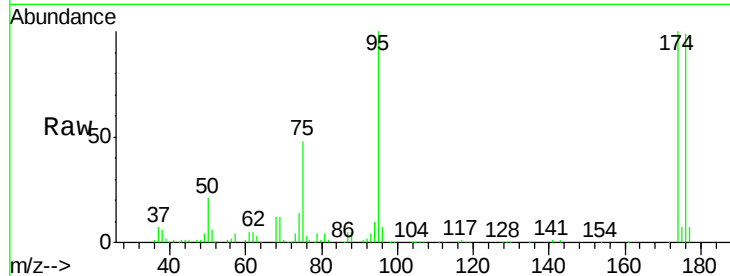




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD058324.D
Acq: 23 Jun 2018 6:09

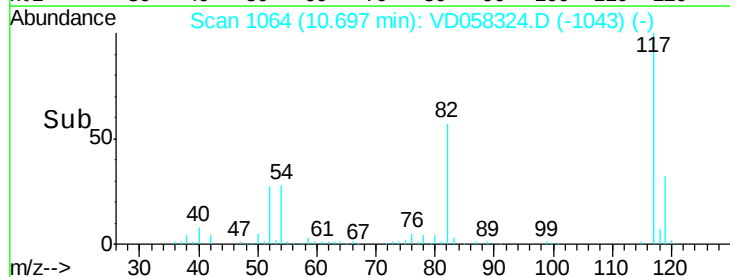
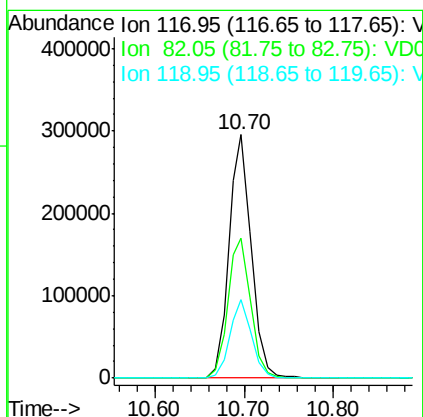
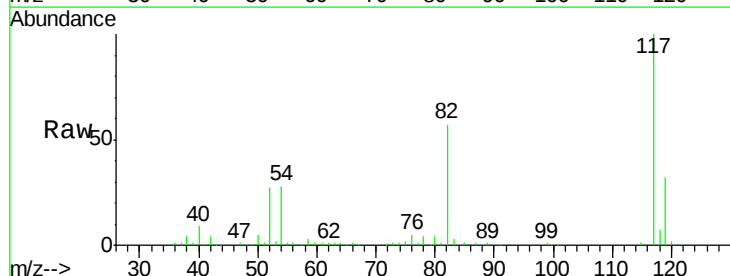
Instrument :
MSVOA_D
ClientSampleId :
TR-05-062118

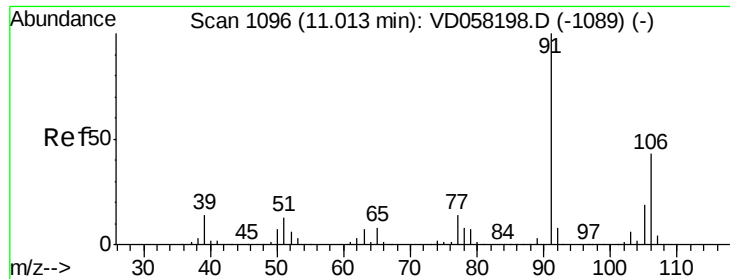
Tot Ion: 95 Resp: 295013
Ion Ratio Lower Upper
95 100
174 100.3 0.0 170.2
176 99.7 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058324.D
Acq: 23 Jun 2018 6:09

Tgt Ion: 117 Resp: 521640
Ion Ratio Lower Upper
117 100
82 57.5 47.0 70.6
119 32.3 25.3 37.9

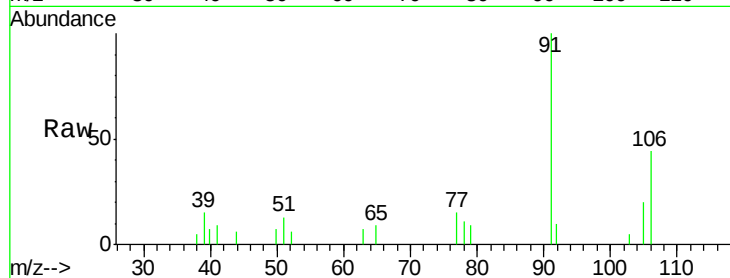




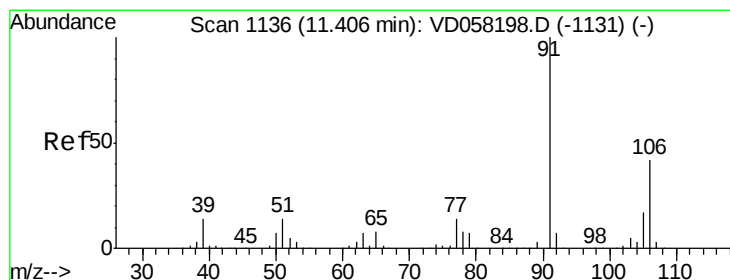
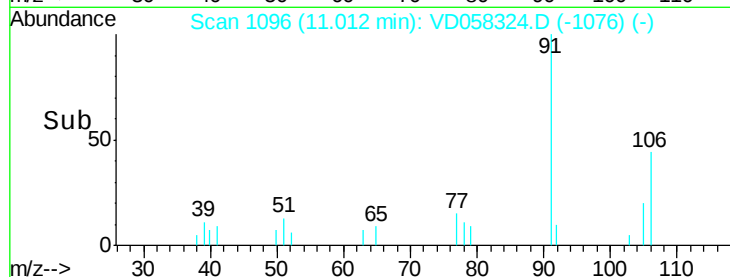
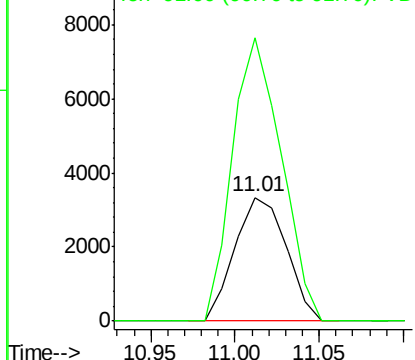
#68
m/p-Xylenes
Concen: 1.233 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD058324.D
Acq: 23 Jun 2018 6:09

Instrument :
MSVOA_D
ClientSampleId :
TR-05-062118

Tot Ion:106 Resp: 7083
Ion Ratio Lower Upper
106 100
91 229.0 185.0 277.6

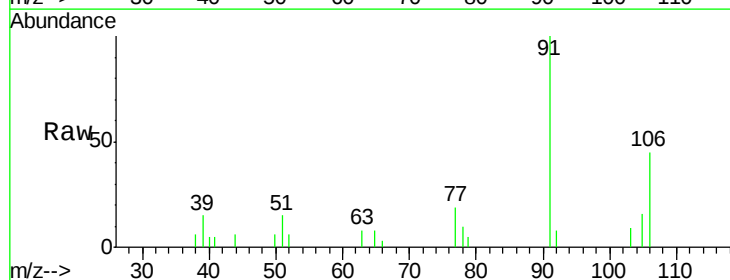


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

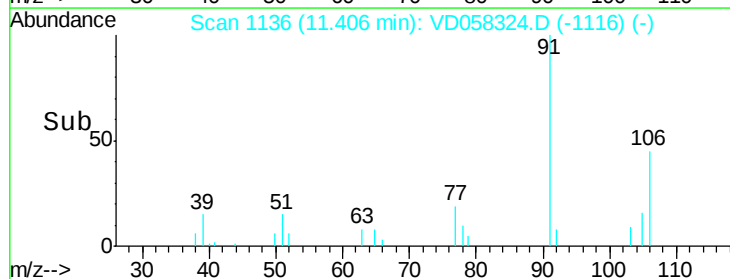
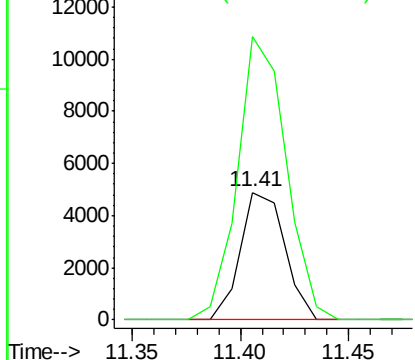


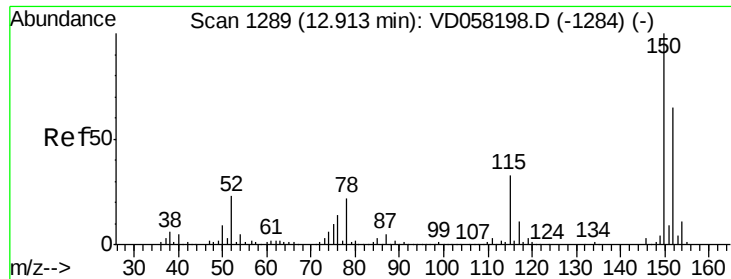
#69
o-Xylene
Concen: 1.287 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD058324.D
Acq: 23 Jun 2018 6:09

Tgt Ion:106 Resp: 7060
Ion Ratio Lower Upper
106 100
91 221.9 120.2 360.6



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD058324.D

Acq: 23 Jun 2018 6:09

Instrument :

MSVOA_D

ClientSampleId :

TR-05-062118

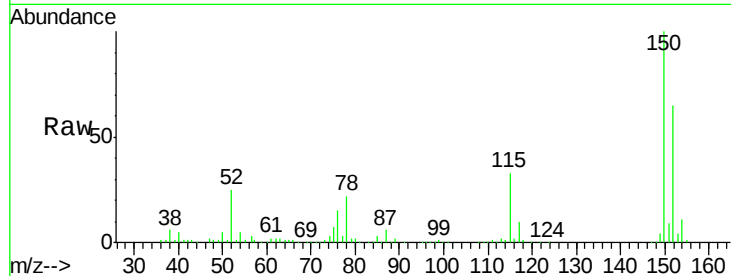
Tot Ion:152 Resp: 292988

Ion Ratio Lower Upper

152 100

115 50.8 25.1 75.3

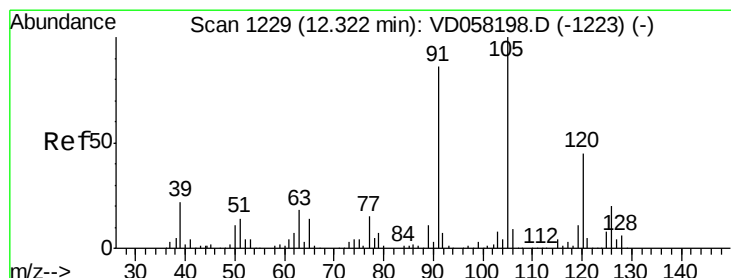
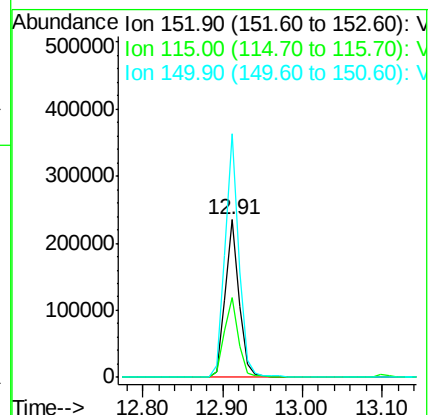
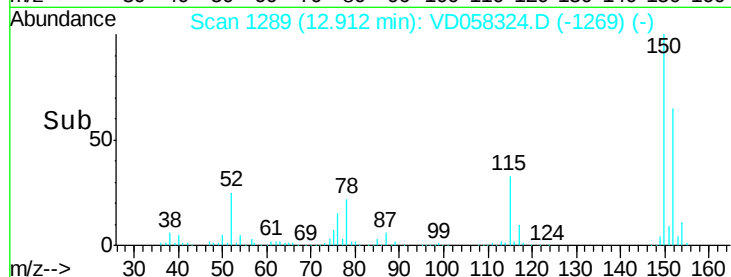
150 154.6 0.0 308.8



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



#80

1,3,5-Trimethylbenzene

Concen: 1.449 ug/l

RT: 12.32 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD058324.D

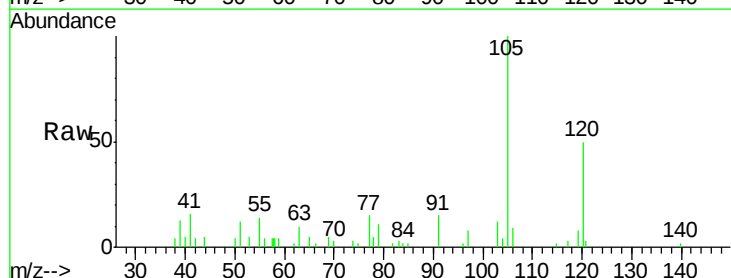
Acq: 23 Jun 2018 6:09

Tgt Ion:105 Resp: 19810

Ion Ratio Lower Upper

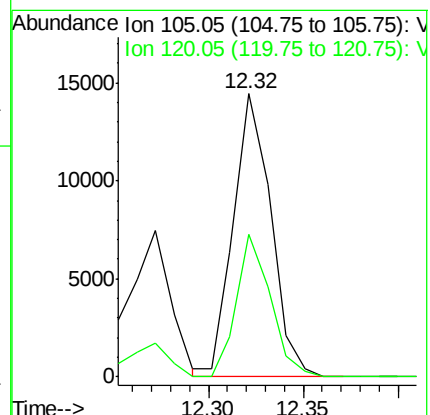
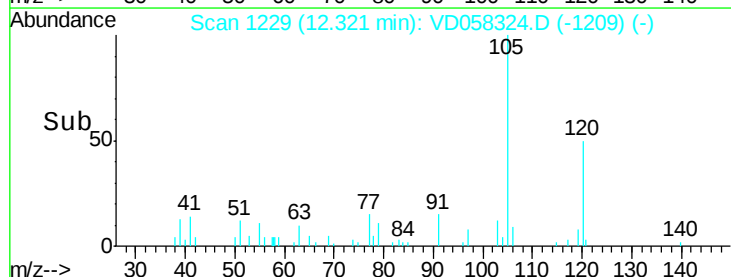
105 100

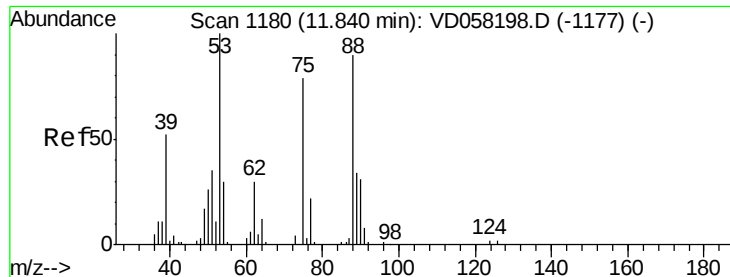
120 52.8 22.5 67.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 136.313 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.10 min

Lab File: VD058324.D

Acq: 23 Jun 2018 6:09

Instrument :

MSVOA_D

ClientSampleId :

TR-05-062118

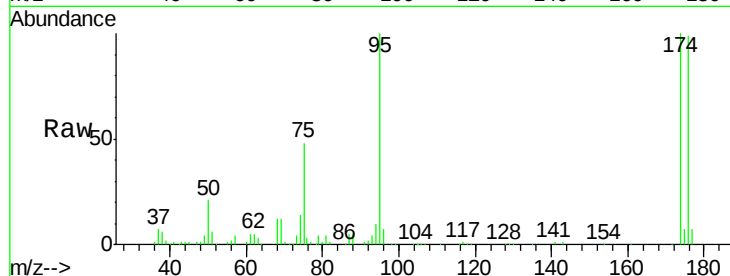
Tot Ion: 75 Resp: 142216

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

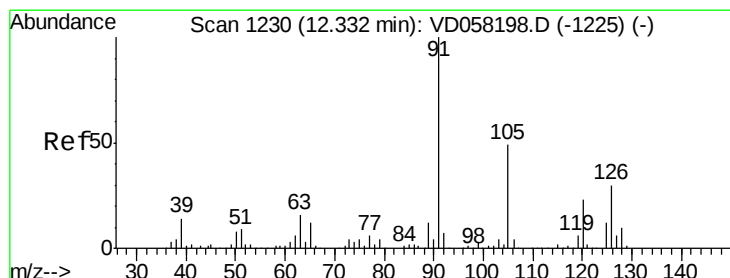
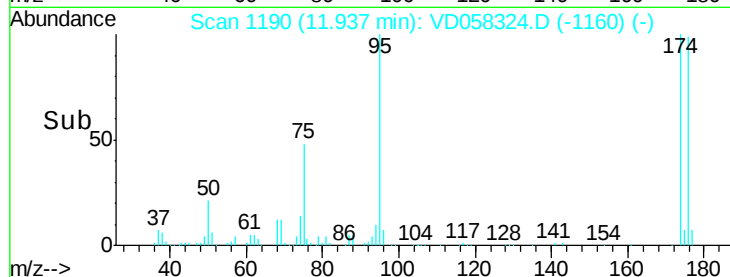
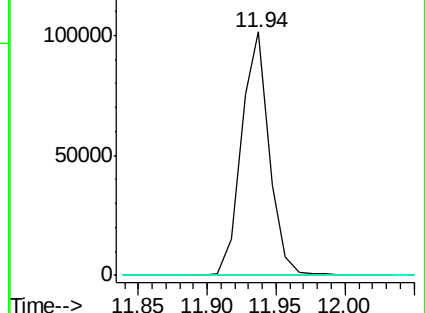
89 0.0 34.6 52.0#



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



#82

4-Chlorotoluene

Concen: Below Cal

RT: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD058324.D

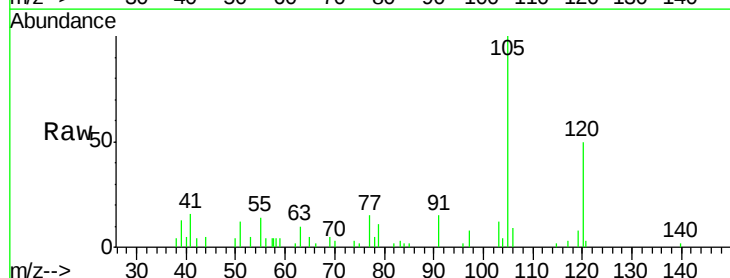
Acq: 23 Jun 2018 6:09

Tgt Ion: 91 Resp: 3392

Ion Ratio Lower Upper

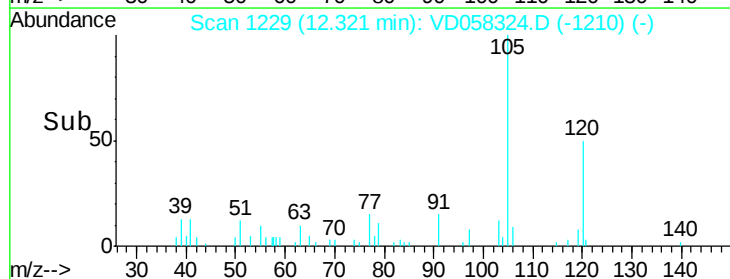
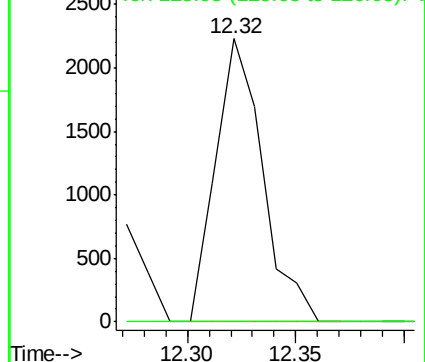
91 100

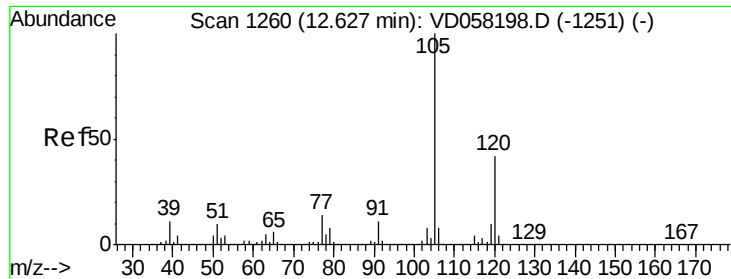
126 0.0 14.9 44.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

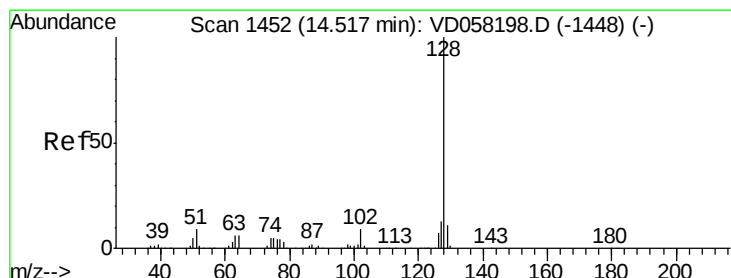
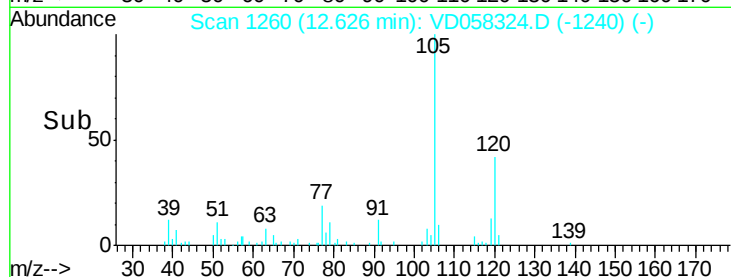
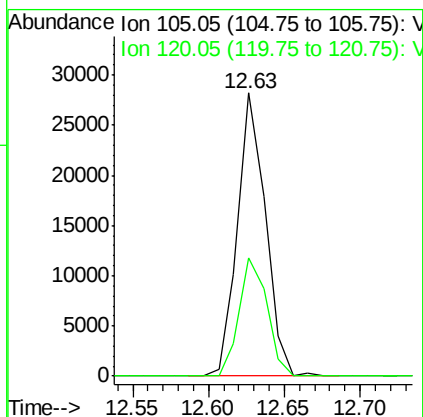
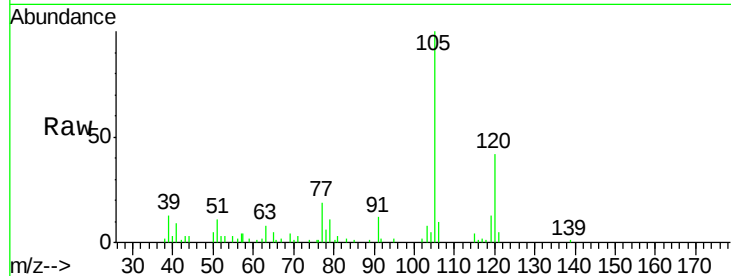




#84
 1,2,4-Trimethylbenzene
 Concen: 2.438 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD058324.D
 Acq: 23 Jun 2018 6:09

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-05-062118

Tot Ion:105 Resp: 36219
 Ion Ratio Lower Upper
 105 100
 120 41.9 20.8 62.4



#95
 Naphthalene
 Concen: 1.172 ug/l
 RT: 14.52 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VD058324.D
 Acq: 23 Jun 2018 6:09

Tgt Ion:128 Resp: 11464
 Ion Ratio Lower Upper
 128 100
 127 10.6 10.0 15.0
 129 15.6 8.7 13.1#

