

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058308.D
 Acq On : 22 Jun 2018 20:44
 Operator : VA/AP
 Sample : J3663-11
 Misc : 5.51a/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB470-25-27-180618

Quant Time: Jun 22 22:21:05 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	5.64	168	1159742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	1492458	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	1151642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	599806	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	558698	47.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.38%	
35) Dibromofluoromethane	5.54	113	641030	52.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.54%	
50) Toluene-d8	8.70	98	1541497	52.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.90%	
62) 4-Bromofluorobenzene	11.93	95	629231	52.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.82%	

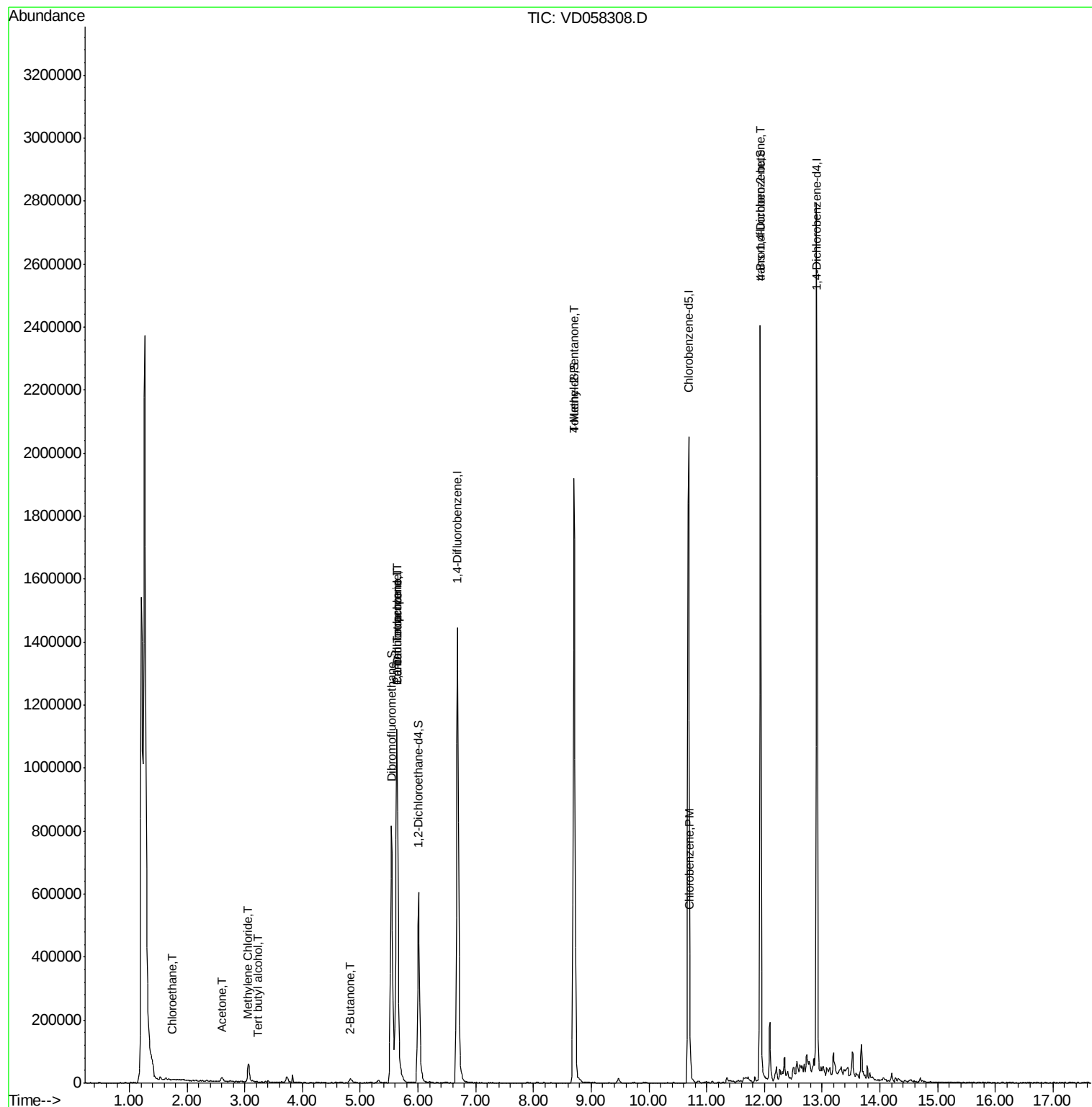
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	189	Below Cal	#	43
3) Chloromethane	1.48	50	205	Below Cal	#	43
5) Bromomethane	1.79	94	458	Below Cal	#	3
6) Chloroethane	1.73	64	239	1.499	ug/l #	41
11) Tert butyl alcohol	3.24	59	425	1.100	ug/l #	78
16) Acetone	2.60	43	28728	17.932	ug/l #	71
20) Methylene Chloride	3.06	84	26875	1.836	ug/l	89
25) 2-Butanone	4.83	43	13011	3.726	ug/l	96
31) Cyclohexane	5.63	56	26732	Below Cal	#	1
36) 1,1-Dichloropropene	5.64	75	94447	6.397	ug/l #	50
38) Carbon Tetrachloride	5.64	117	96019	6.545	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	10736	1.468	ug/l #	1
65) Chlorobenzene	10.72	112	29547	1.372	ug/l #	87
81) trans-1,4-Dichloro-2-buten	11.93	75	307163	143.813	ug/l #	1
82) 4-Chlorotoluene	12.32	91	1064	Below Cal	#	45

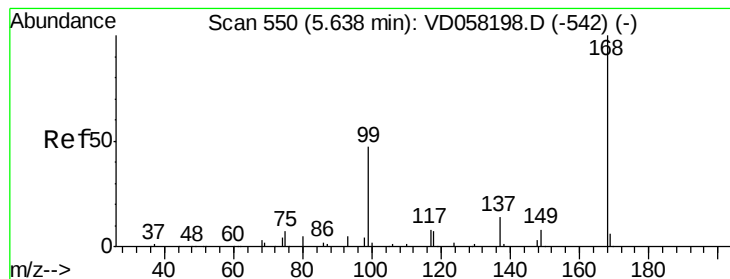
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062218\
Data File : VD058308.D
Acq On : 22 Jun 2018 20:44
Operator : VA/AP
Sample : J3663-11
Misc : 5.51g/5ml/MSVOA D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
WP021SB470-25-27-180618

Quant Time: Jun 22 22:21:05 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: 5.64 min Scan# 550

Delta R.T. 0.00 min

Lab File: VD058308.D

Acq: 22 Jun 2018 20:44

Instrument :

MSVOA_D

ClientSampleId :

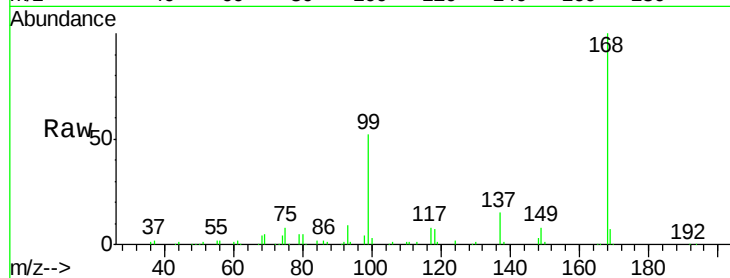
WP021SB470-25-27-180618

Tot Ion:168 Resp: 1159742

Ion Ratio Lower Upper

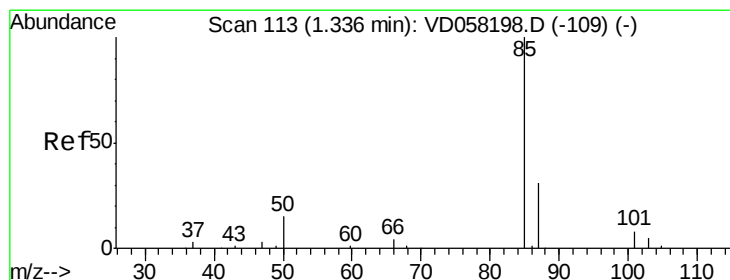
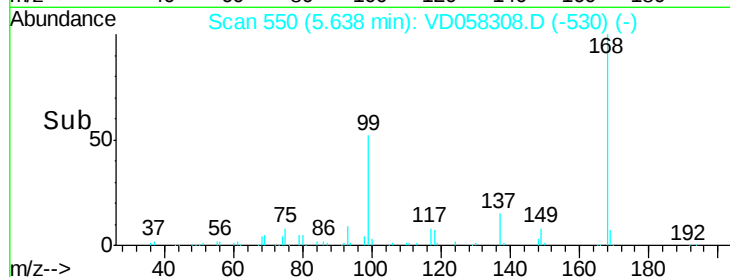
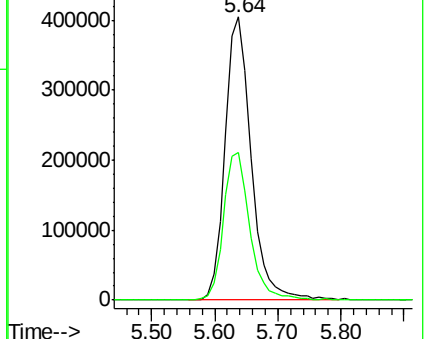
168 100

99 52.2 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: 1.34 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD058308.D

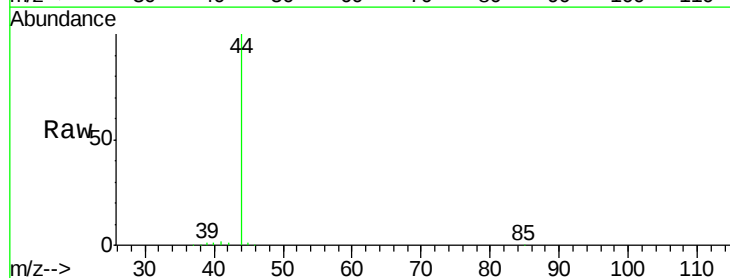
Acq: 22 Jun 2018 20:44

Tgt Ion: 85 Resp: 189

Ion Ratio Lower Upper

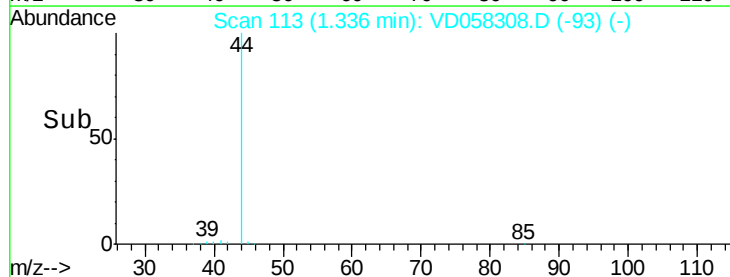
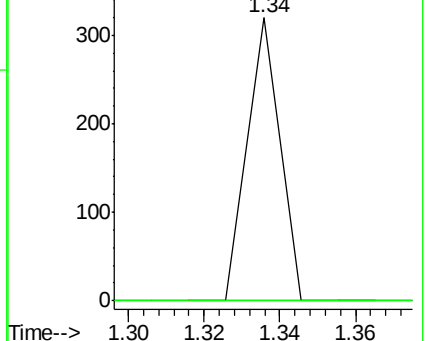
85 100

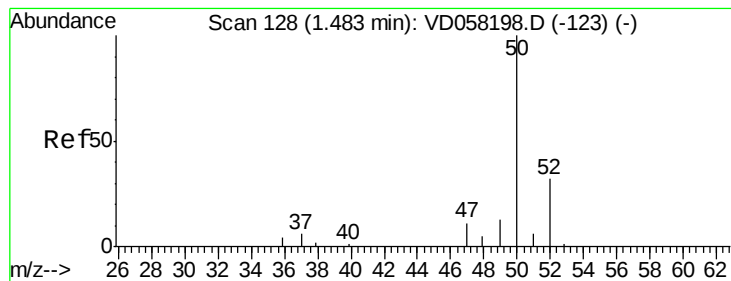
87 0.0 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 1.48 min Scan# 128

Delta R.T. 0.00 min

Lab File: VD058308.D

Acq: 22 Jun 2018 20:44

Instrument :

MSVOA_D

ClientSampleId :

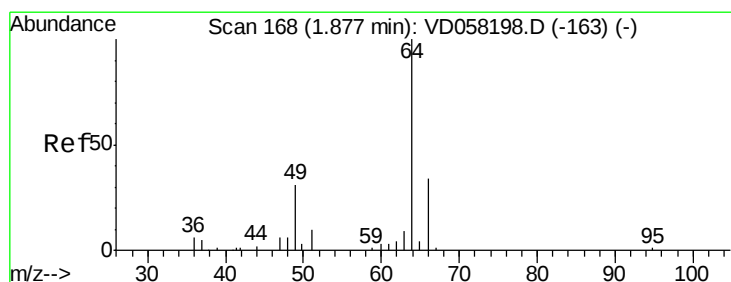
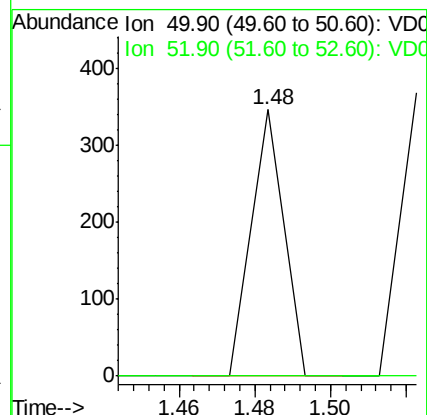
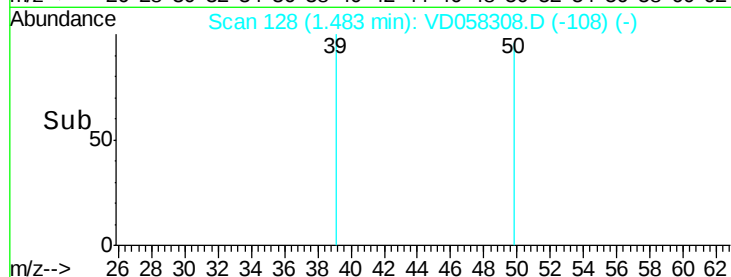
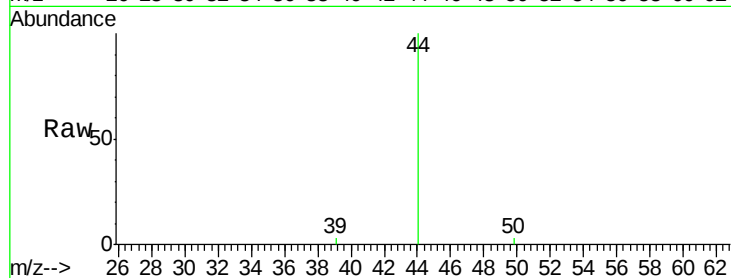
WP021SB470-25-27-180618

Tot Ion: 50 Resp: 205

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#



#6

Chloroethane

Concen: 1.499 ug/l

RT: 1.73 min Scan# 153

Delta R.T. -0.15 min

Lab File: VD058308.D

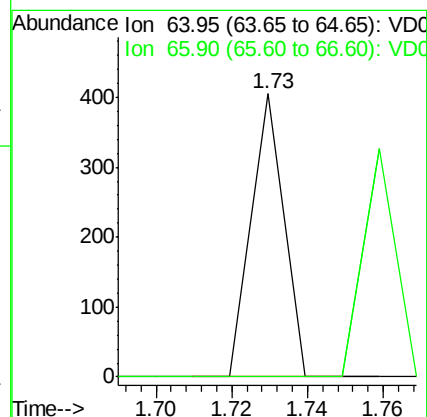
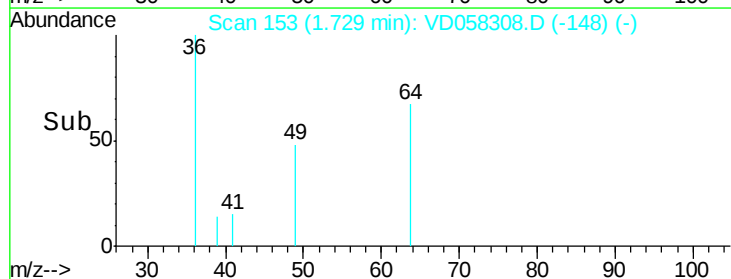
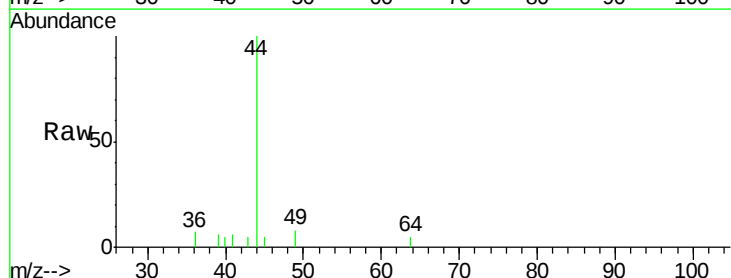
Acq: 22 Jun 2018 20:44

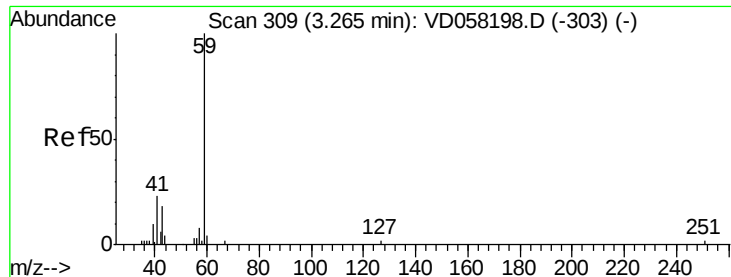
Tgt Ion: 64 Resp: 239

Ion Ratio Lower Upper

64 100

66 0.0 27.3 40.9#



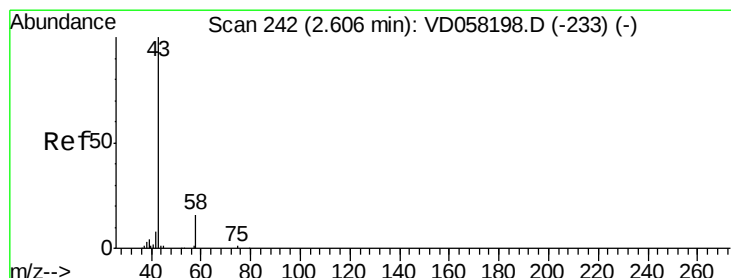
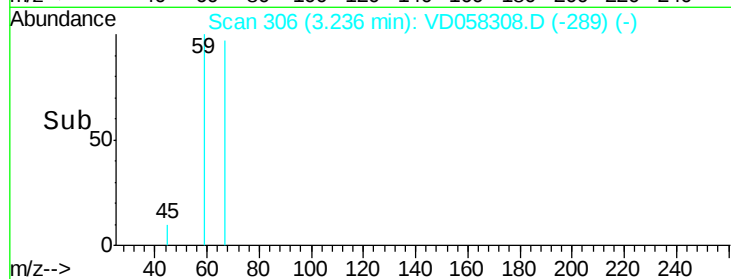
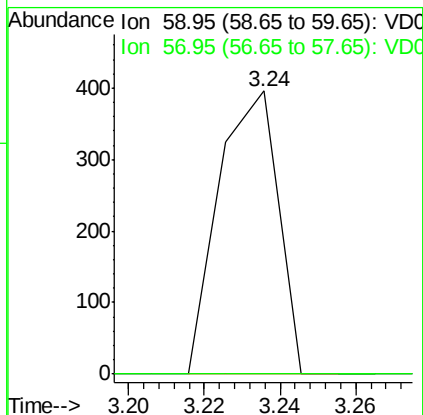
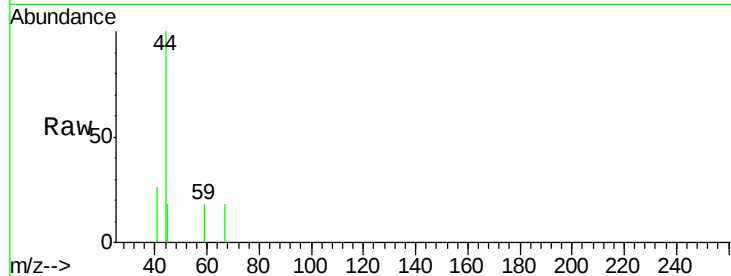


#11

Tert butyl alcohol
 Concen: 1.100 ug/l
 RT: 3.24 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VD058308.D
 Acq: 22 Jun 2018 20:44

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB470-25-27-180618

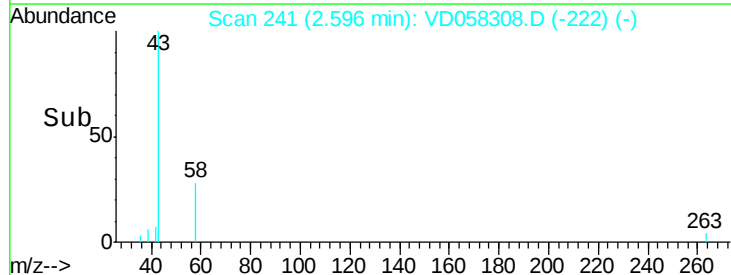
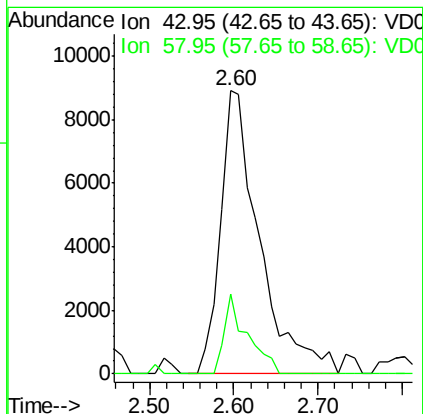
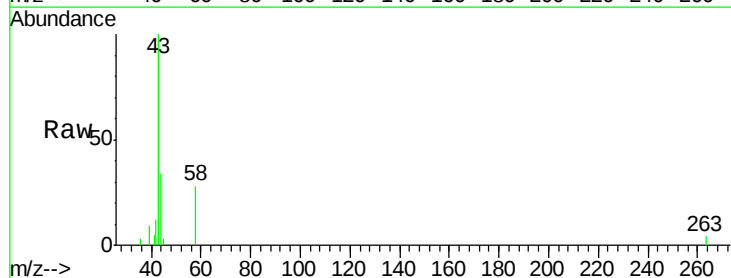
Tot Ion: 59 Resp: 425
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.2 9.4#

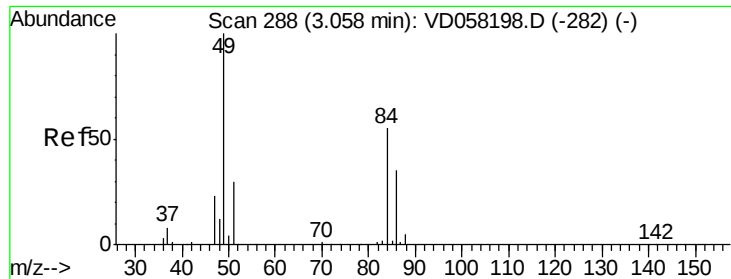


#16

Acetone
 Concen: 17.932 ug/l
 RT: 2.60 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VD058308.D
 Acq: 22 Jun 2018 20:44

Tgt Ion: 43 Resp: 28728
 Ion Ratio Lower Upper
 43 100
 58 28.3 12.7 19.1#

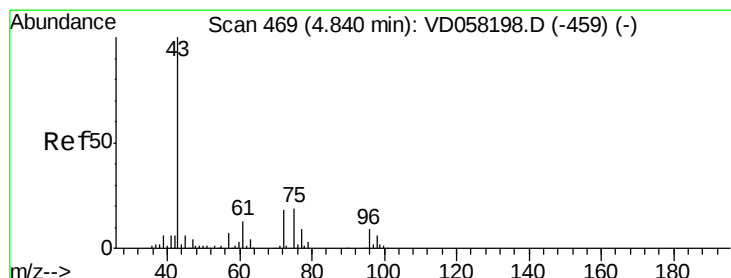
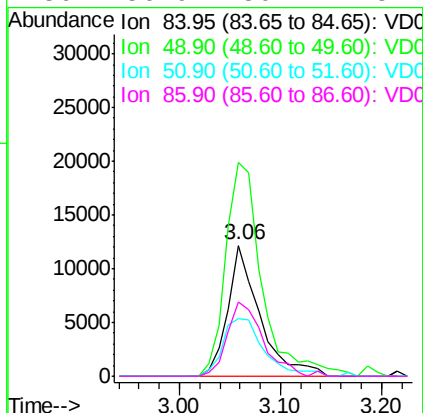
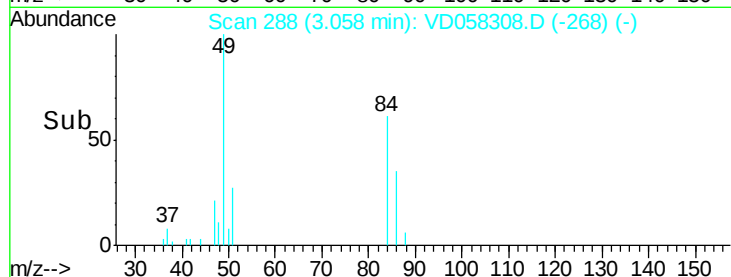
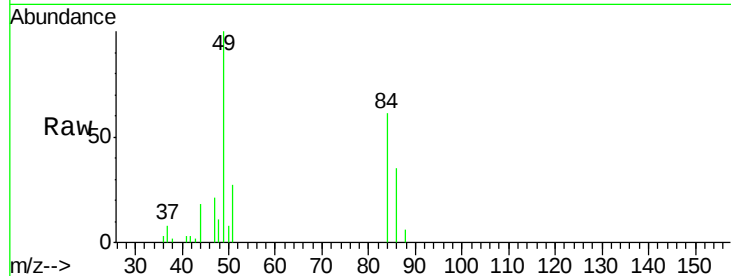




#20
Methvlene Chloride
Concen: 1.836 ug/l
RT: 3.06 min Scan# 288
Delta R.T. 0.00 min
Lab File: VD058308.D
Acq: 22 Jun 2018 20:44

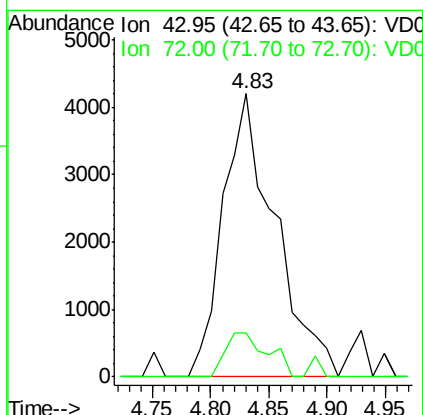
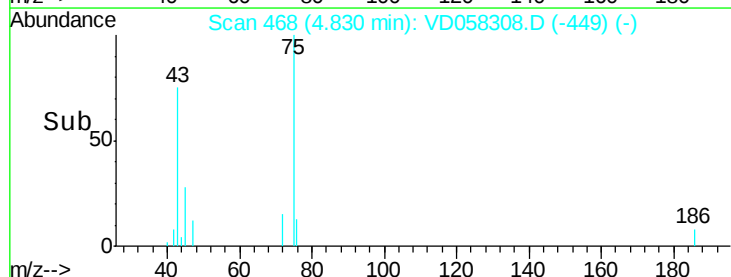
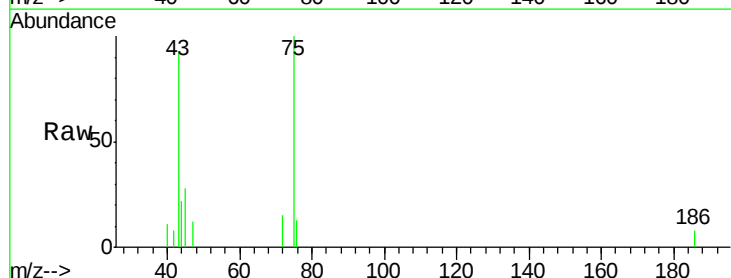
Instrument :
MSVOA_D
ClientSampleId :
WP021SB470-25-27-180618

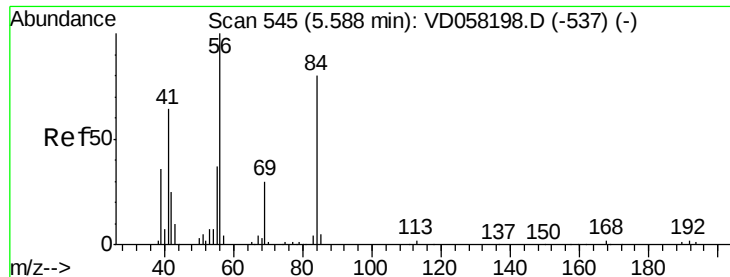
Tot Ion: 84 Resp: 26875
Ion Ratio Lower Upper
84 100
49 163.4 145.0 217.6
51 44.4 42.9 64.3
86 56.9 50.1 75.1



#25
2-Butanone
Concen: 3.726 ug/l
RT: 4.83 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD058308.D
Acq: 22 Jun 2018 20:44

Tgt Ion: 43 Resp: 13011
Ion Ratio Lower Upper
43 100
72 15.8 14.1 21.1

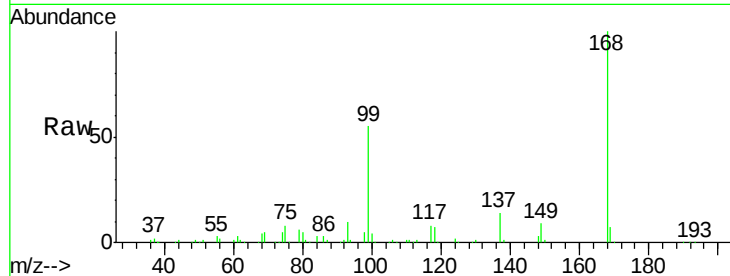




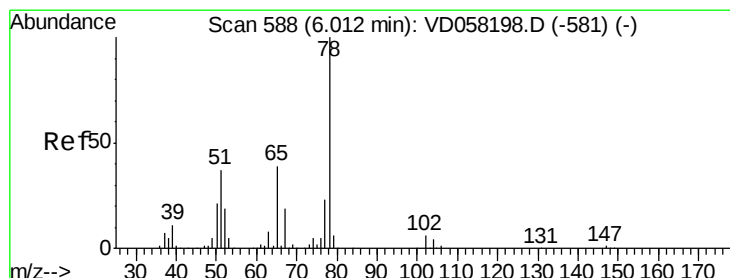
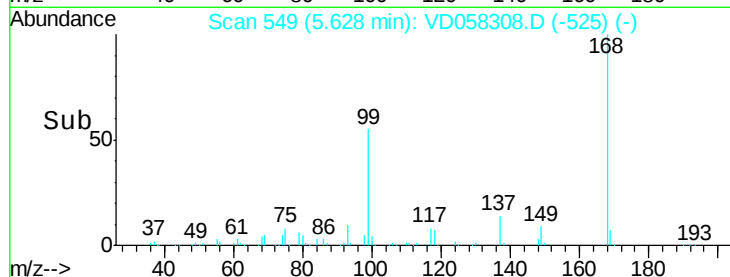
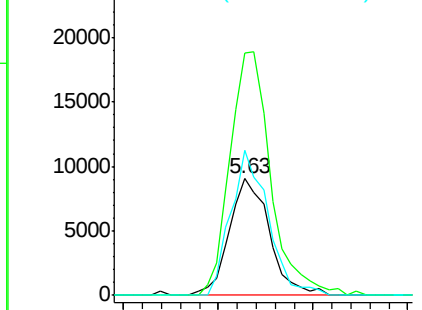
#31
Cyclohexane
Concen: Below Cal
RT: 5.63 min Scan# 549
Delta R.T. 0.04 min
Lab File: VD058308.D
Acq: 22 Jun 2018 20:44

Instrument :
MSVOA_D
ClientSampleId :
WP021SB470-25-27-180618

Tot Ion: 56 Resp: 26732
Ion Ratio Lower Upper
56 100
69 207.2 23.6 35.4#
84 124.5 65.2 97.8#

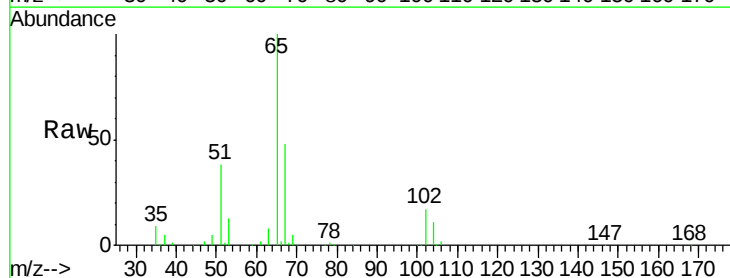


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

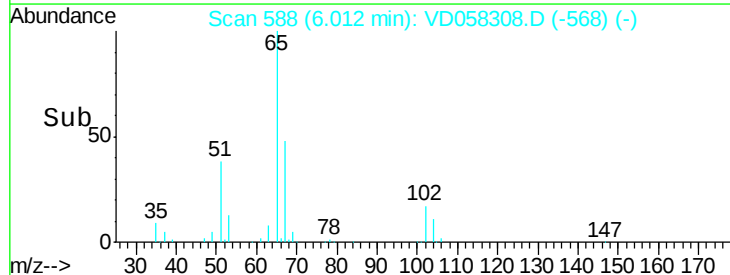
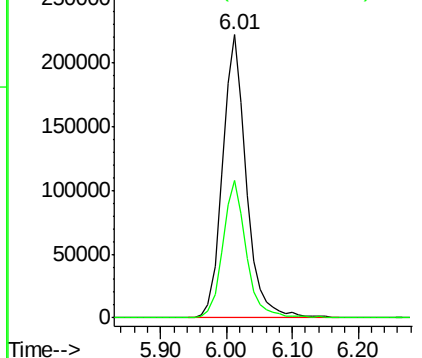


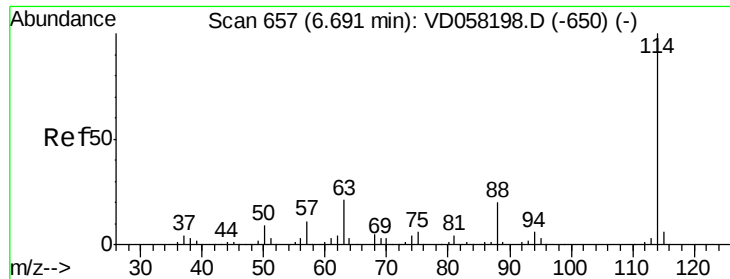
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.01 min Scan# 588
Delta R.T. 0.00 min
Lab File: VD058308.D
Acq: 22 Jun 2018 20:44

Tgt Ion: 65 Resp: 558698
Ion Ratio Lower Upper
65 100
67 48.5 0.0 97.8



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

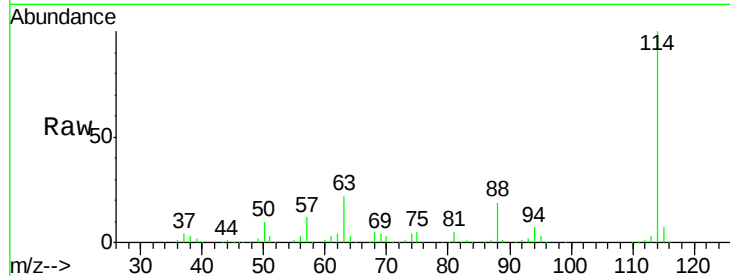




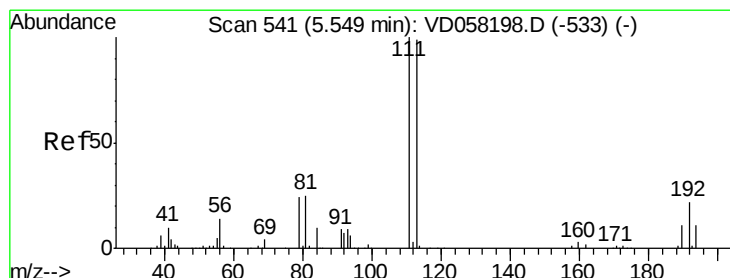
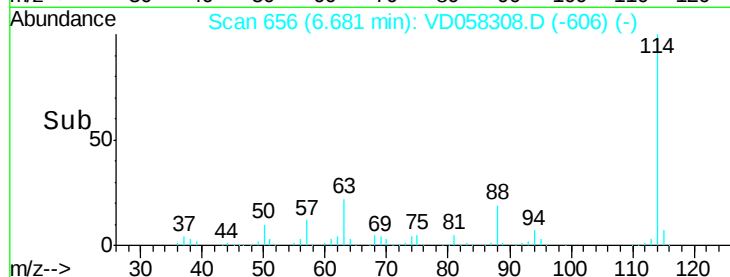
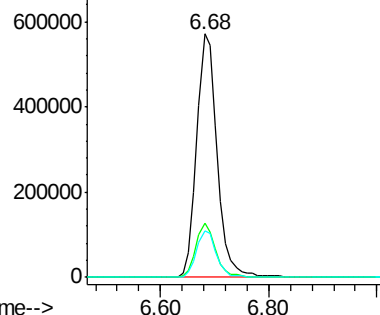
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.68 min Scan# 656
Delta R.T. -0.01 min
Lab File: VD058308.D
Acq: 22 Jun 2018 20:44

Instrument :
MSVOA_D
ClientSampleId :
WP021SB470-25-27-180618

Tot Ion:114 Resp: 1492458
Ion Ratio Lower Upper
114 100
63 22.2 0.0 42.6
88 19.2 0.0 40.6

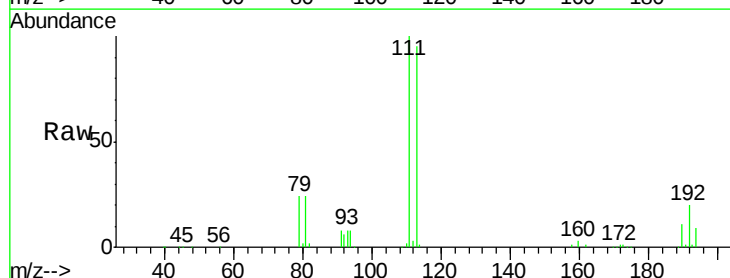


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

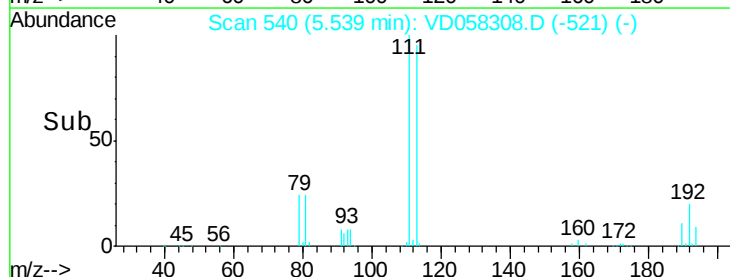
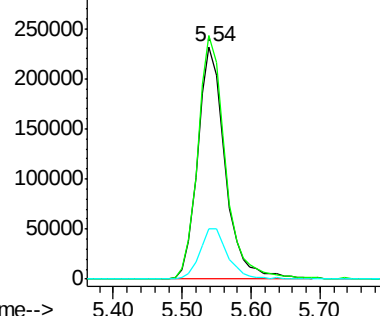


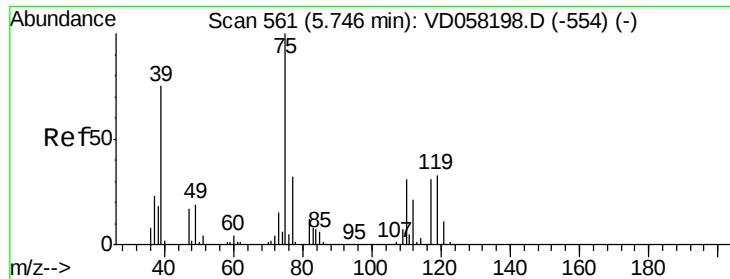
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 5.54 min Scan# 540
Delta R.T. -0.01 min
Lab File: VD058308.D
Acq: 22 Jun 2018 20:44

Tgt Ion:113 Resp: 641030
Ion Ratio Lower Upper
113 100
111 104.9 80.6 121.0
192 21.5 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: 6.397 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.11 min

Lab File: VD058308.D

Acq: 22 Jun 2018 20:44

Instrument :

MSVOA_D

ClientSampleId :

WP021SB470-25-27-180618

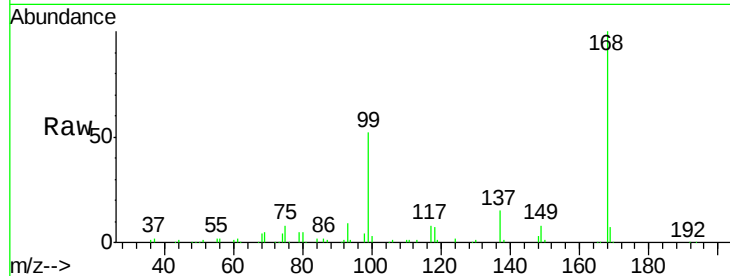
Tot Ion: 75 Resp: 94447

Ion Ratio Lower Upper

75 100

110 7.1 15.4 46.4#

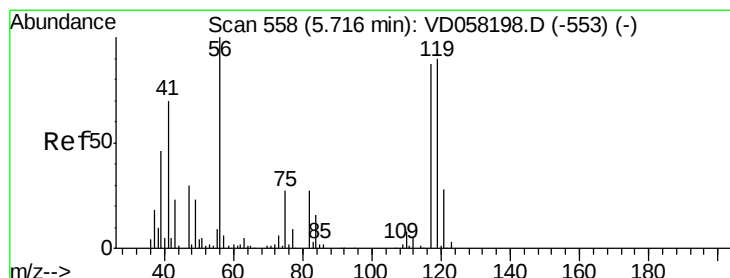
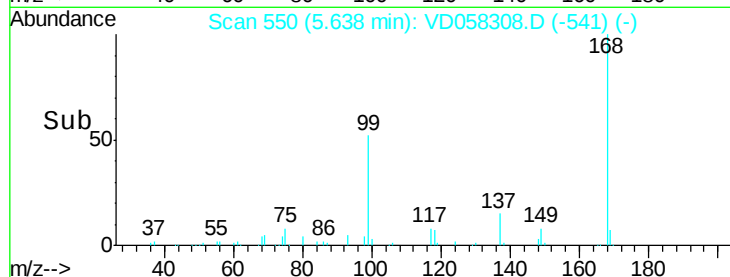
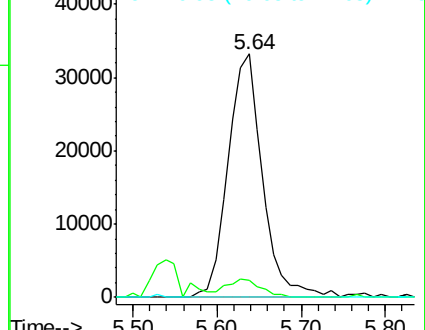
77 0.0 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#38

Carbon Tetrachloride

Concen: 6.545 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.08 min

Lab File: VD058308.D

Acq: 22 Jun 2018 20:44

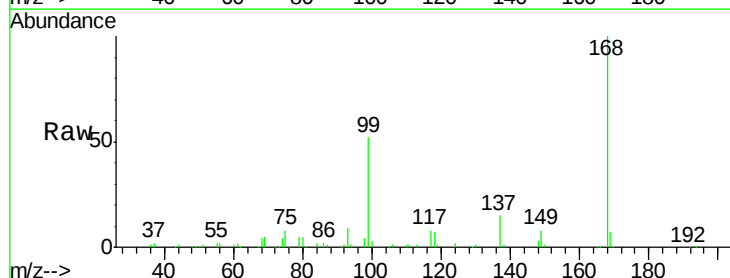
Tgt Ion: 117 Resp: 96019

Ion Ratio Lower Upper

117 100

119 6.2 78.8 118.2#

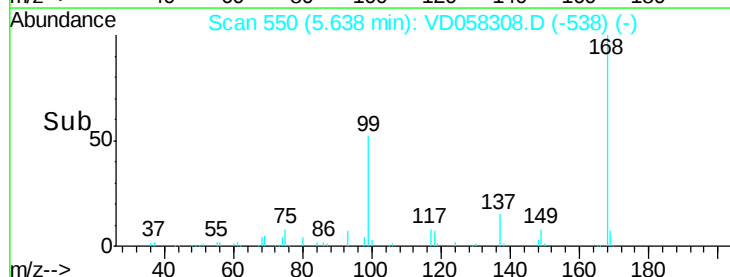
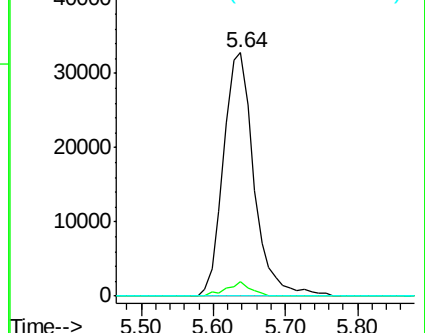
121 0.0 25.0 37.6#

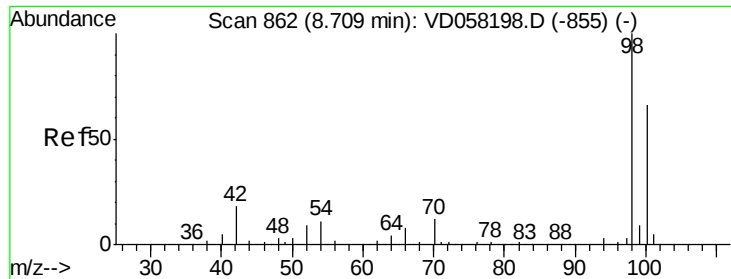


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD058308.D

Acq: 22 Jun 2018 20:44

Instrument :

MSVOA_D

ClientSampleId :

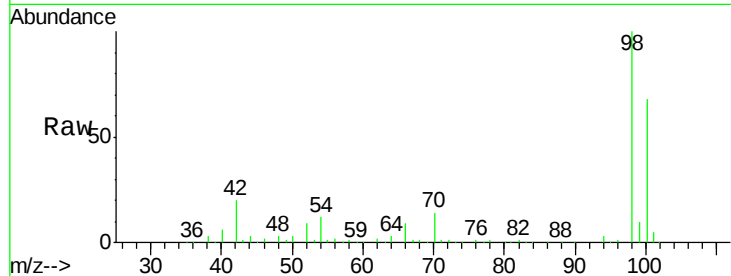
WP021SB470-25-27-180618

Tot Ion: 98 Resp: 1541497

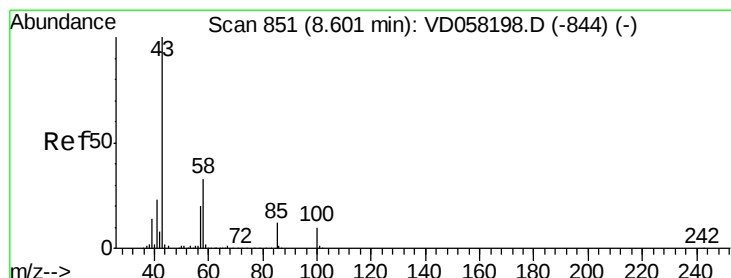
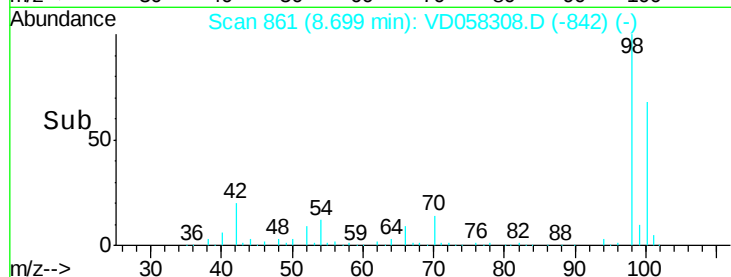
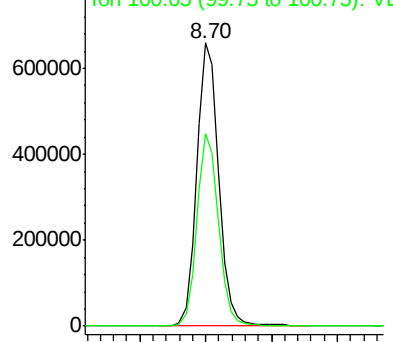
Ion Ratio Lower Upper

98 100

100 68.2 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VD058198.D (-855) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.468 ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.11 min

Lab File: VD058308.D

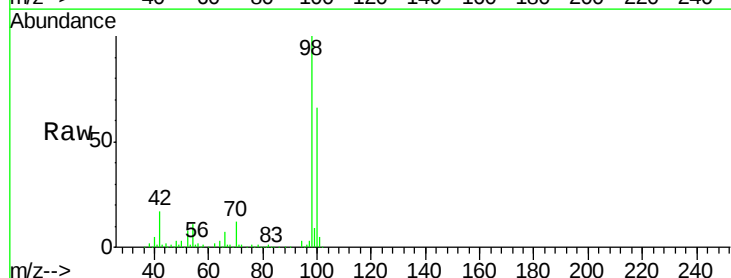
Acq: 22 Jun 2018 20:44

Tgt Ion: 43 Resp: 10736

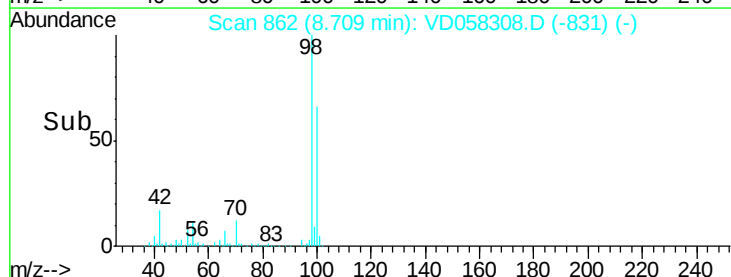
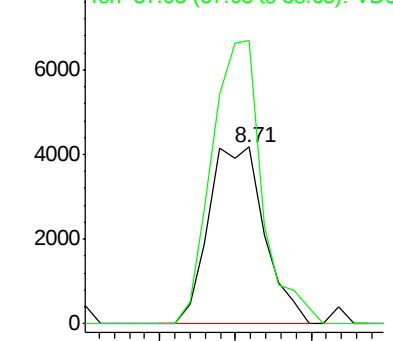
Ion Ratio Lower Upper

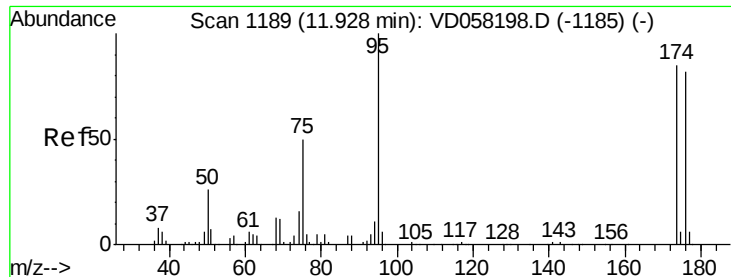
43 100

58 160.0 26.7 40.1#



Abundance Ion 42.95 (42.65 to 43.65): VD058308.D (-831) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058308.D

Acq: 22 Jun 2018 20:44

Instrument :

MSVOA_D

ClientSampleId :

WP021SB470-25-27-180618

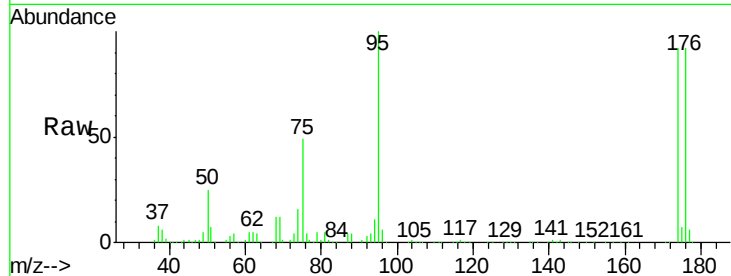
Tot Ion: 95 Resp: 629231

Ion Ratio Lower Upper

95 100

174 91.7 0.0 170.2

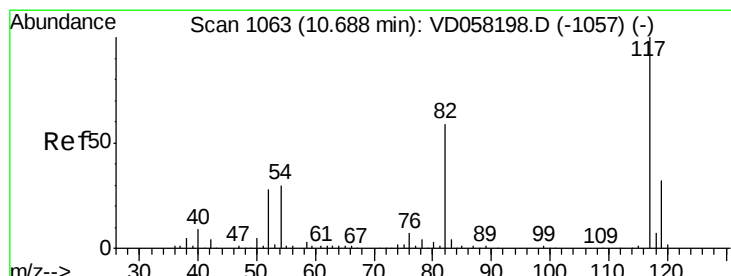
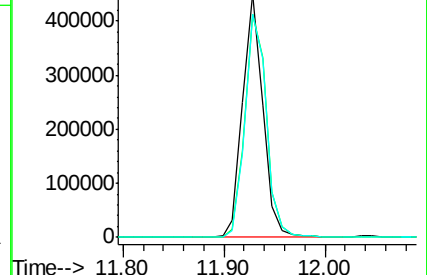
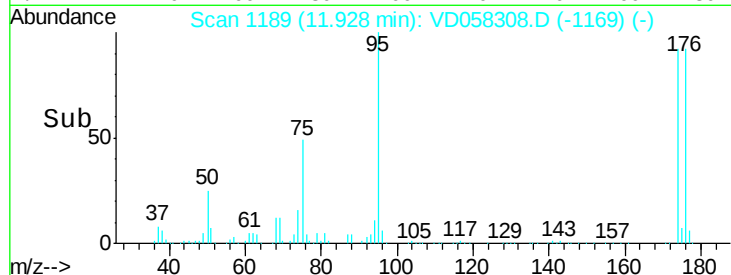
176 91.5 0.0 164.6



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: 10.69 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VD058308.D

Acq: 22 Jun 2018 20:44

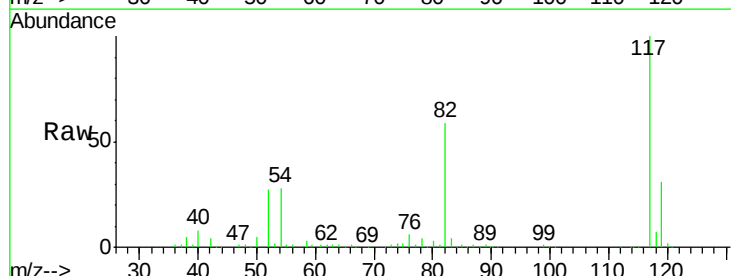
Tgt Ion: 117 Resp: 1151642

Ion Ratio Lower Upper

117 100

82 58.9 47.0 70.6

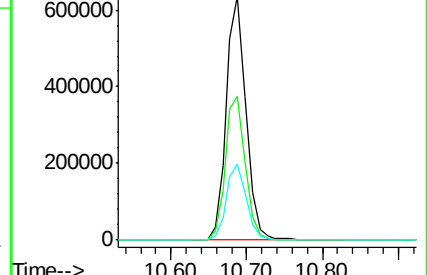
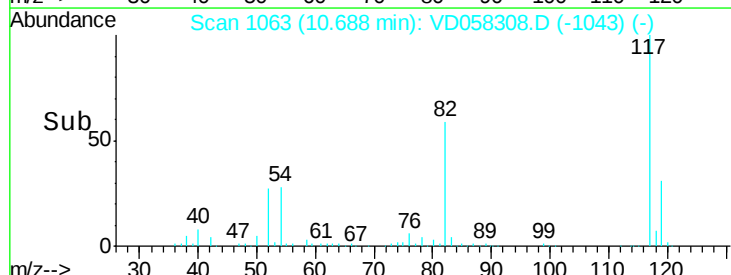
119 31.0 25.3 37.9

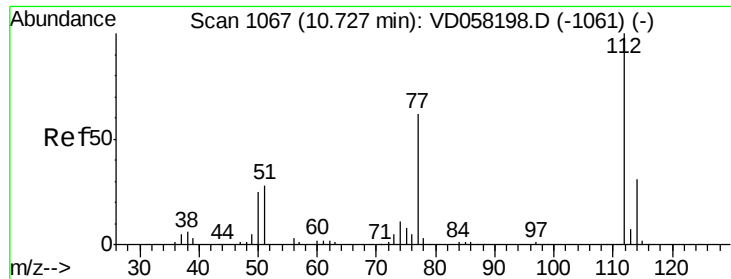


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

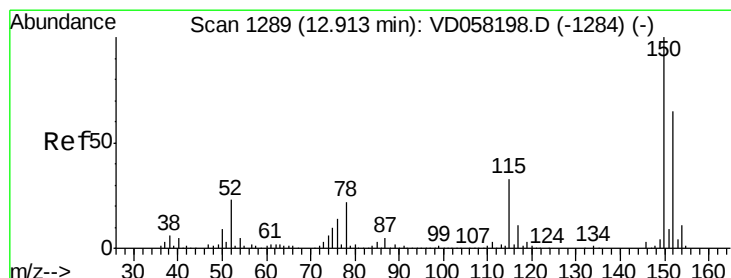
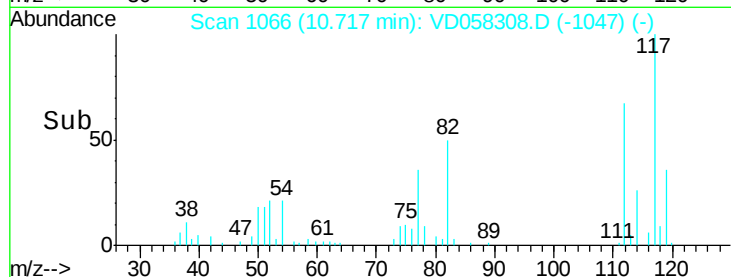
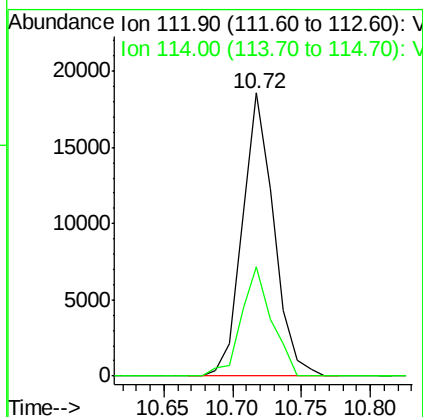
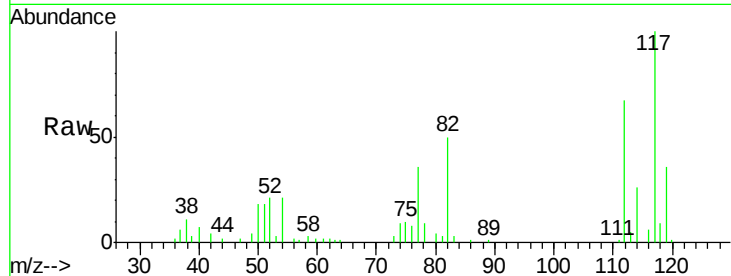




#65
Chlorobenzene
Concen: 1.372 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD058308.D
Acq: 22 Jun 2018 20:44

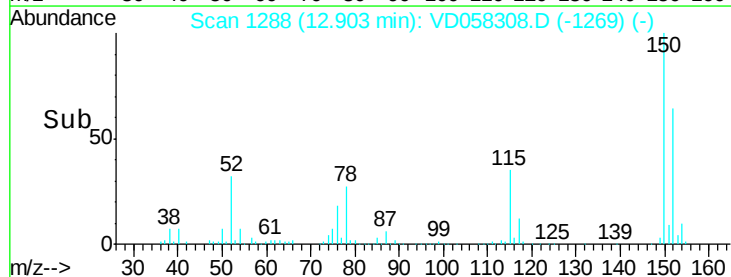
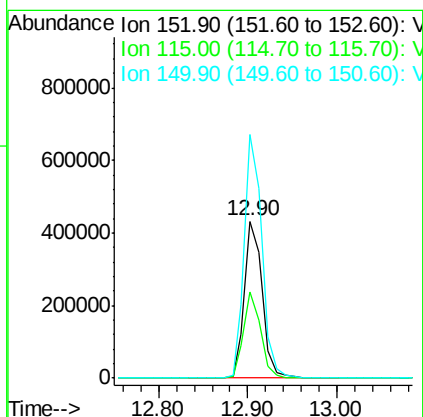
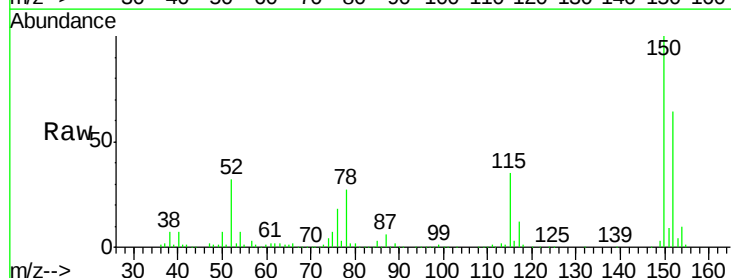
Instrument :
MSVOA_D
ClientSampleId :
WP021SB470-25-27-180618

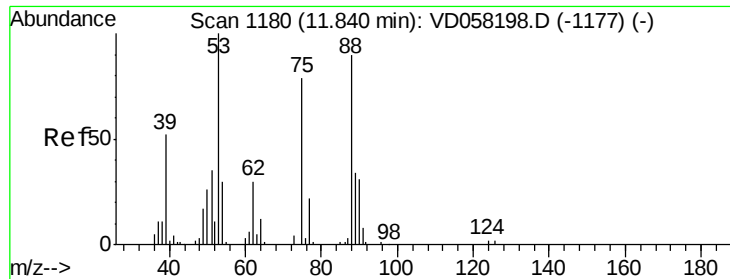
Tot Ion:112 Resp: 29547
Ion Ratio Lower Upper
112 100
114 38.5 25.0 37.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058308.D
Acq: 22 Jun 2018 20:44

Tgt Ion:152 Resp: 599806
Ion Ratio Lower Upper
152 100
115 54.6 25.1 75.3
150 155.4 0.0 308.8





#81

trans-1,4-Dichloro-2-butene

Concen: 143.813 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058308.D

Acq: 22 Jun 2018 20:44

Instrument :

MSVOA_D

ClientSampleId :

WP021SB470-25-27-180618

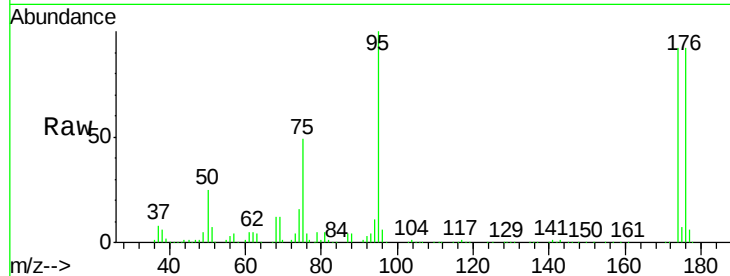
Tot Ion: 75 Resp: 307163

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

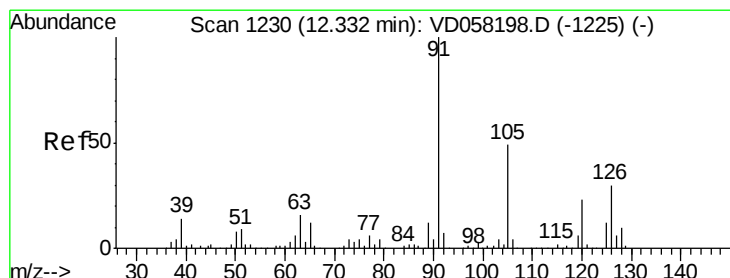
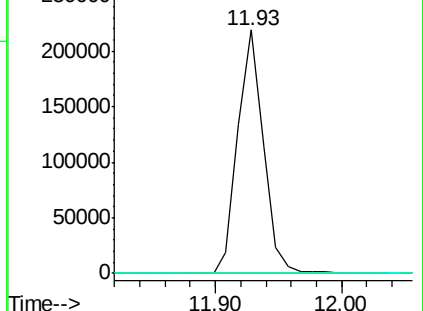
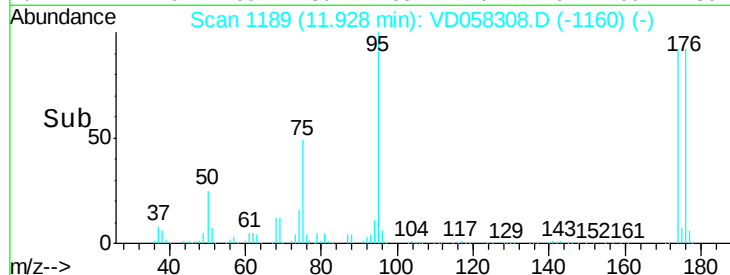
89 0.0 34.6 52.0#



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: VD058308.D

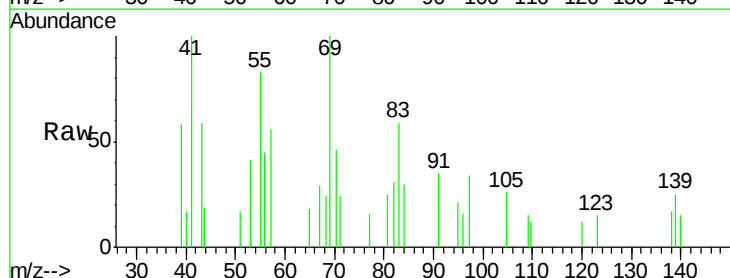
Acq: 22 Jun 2018 20:44

Tgt Ion: 91 Resp: 1064

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

