

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058251.D
 Acq On : 21 Jun 2018 14:38
 Operator : VA/AP
 Sample : J3245-09RE
 Misc : 6.19g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-061918-A

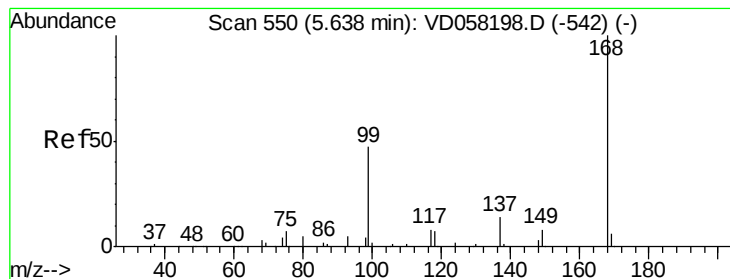
Quant Time: Jun 22 06:15:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	681020	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.70	114	904526	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.70	117	671117	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	321483	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	346630	50.39	ug/l	0.02
Spiked Amount			Recovery	=	100.78%	
35) Dibromofluoromethane	5.56	113	342772	46.56	ug/l	0.01
Spiked Amount			Recovery	=	93.12%	
50) Toluene-d8	8.72	98	731567	41.07	ug/l	0.01
Spiked Amount			Recovery	=	82.14%	
62) 4-Bromofluorobenzene	11.94	95	305471	41.98	ug/l	0.01
Spiked Amount			Recovery	=	83.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	478	Below Cal	#	43
3) Chloromethane	1.51	50	295	Below Cal	#	43
13) Acrolein	2.37	56	247	1.907	ug/l #	11
16) Acetone	2.62	43	3607	3.834	ug/l #	62
29) Tetrahydrofuran	5.21	42	1457	1.335	ug/l #	62
31) Cyclohexane	5.65	56	14809	Below Cal	#	1
36) 1,1-Dichloropropene	5.65	75	56991	6.369	ug/l #	50
38) Carbon Tetrachloride	5.65	117	56436	6.348	ug/l #	15
51) 4-Methyl-2-Pentanone	8.72	43	4841	1.092	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.94	75	150563	131.522	ug/l #	1
82) 4-Chlorotoluene	12.33	91	2355	Below Cal	#	45

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058251.D

Acq: 21 Jun 2018 14:38

Instrument :

MSVOA_D

ClientSampleId :

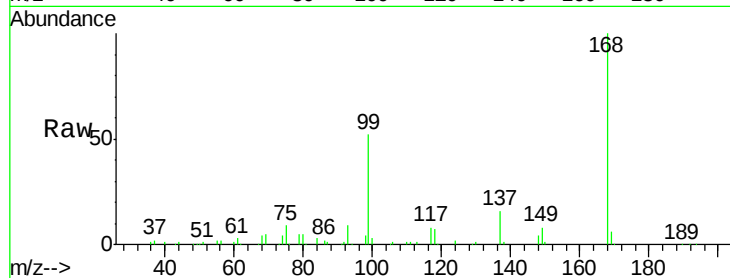
CL-02-061918-A

Tot Ion:168 Resp: 681020

Ion Ratio Lower Upper

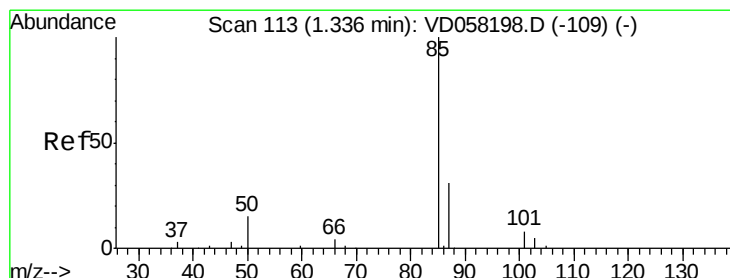
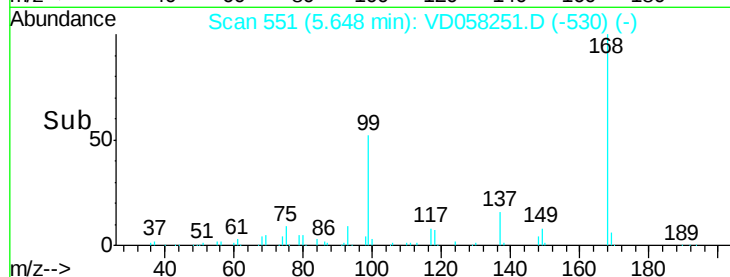
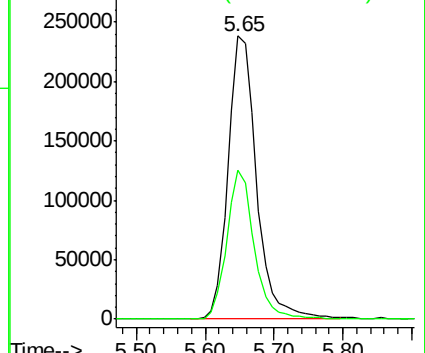
168 100

99 52.5 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: 1.34 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD058251.D

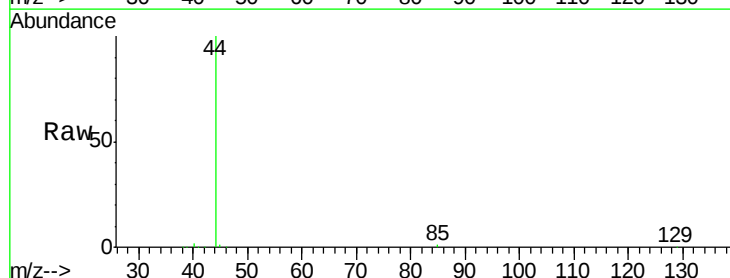
Acq: 21 Jun 2018 14:38

Tgt Ion: 85 Resp: 478

Ion Ratio Lower Upper

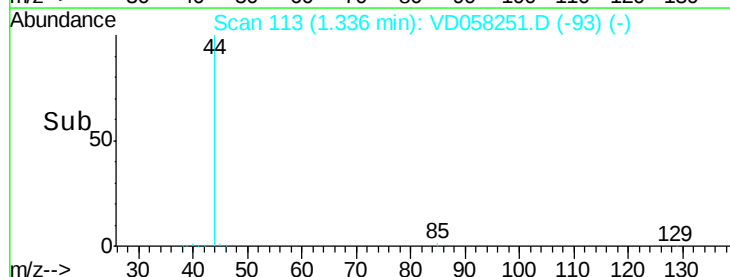
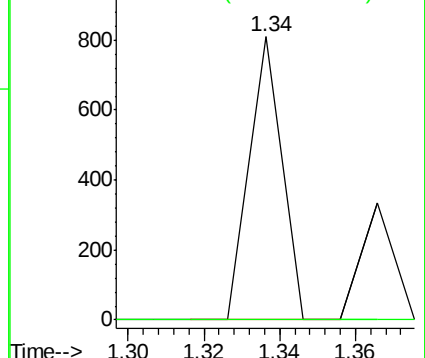
85 100

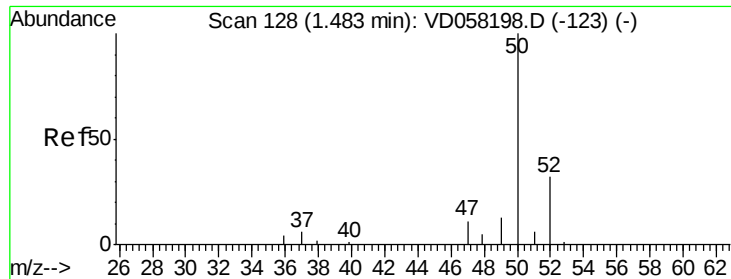
87 0.0 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

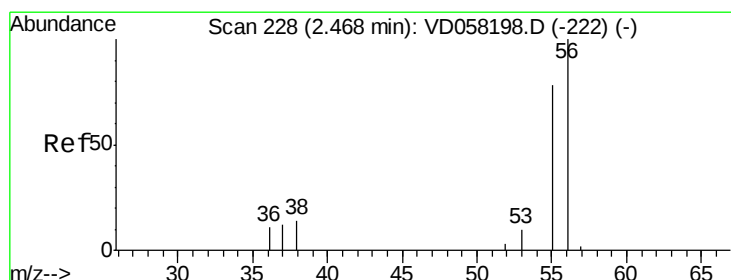
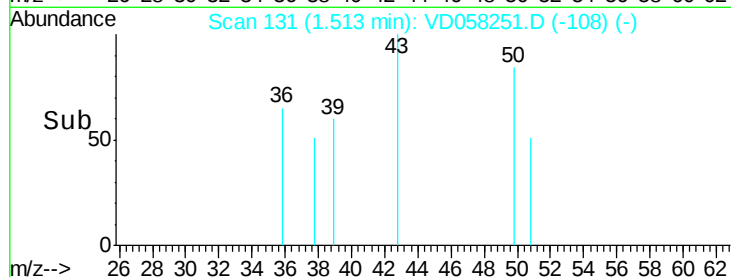
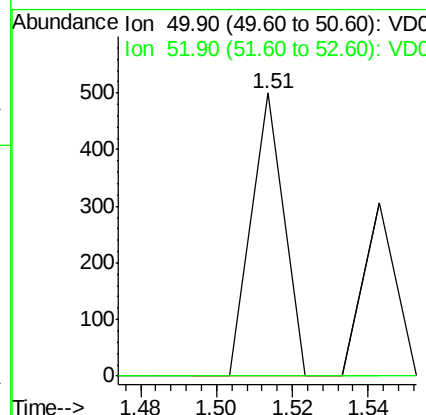
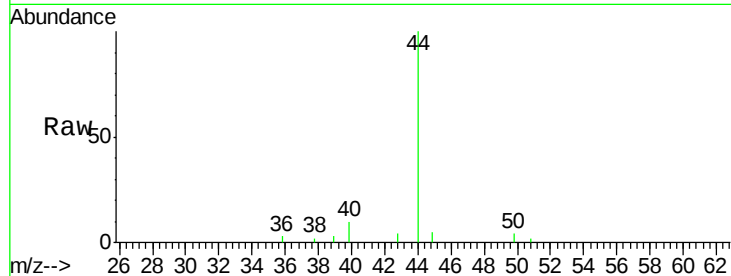




#3
Chloromethane
Concen: Below Cal
RT: 1.51 min Scan# 131
Delta R.T. 0.03 min
Lab File: VD058251.D
Acq: 21 Jun 2018 14:38

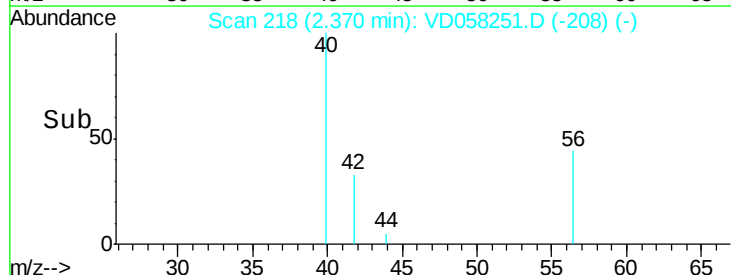
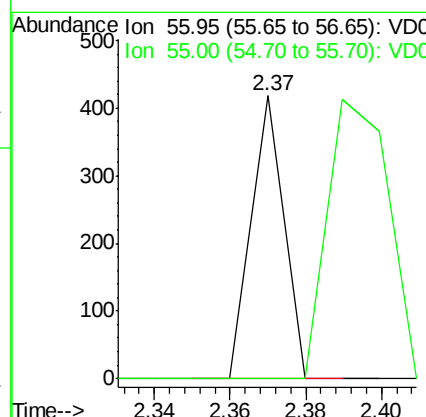
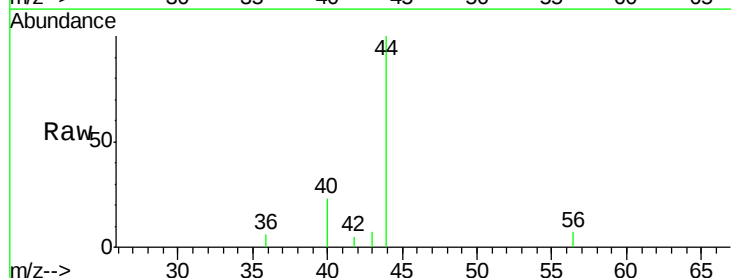
Instrument :
MSVOA_D
ClientSampleId :
CL-02-061918-A

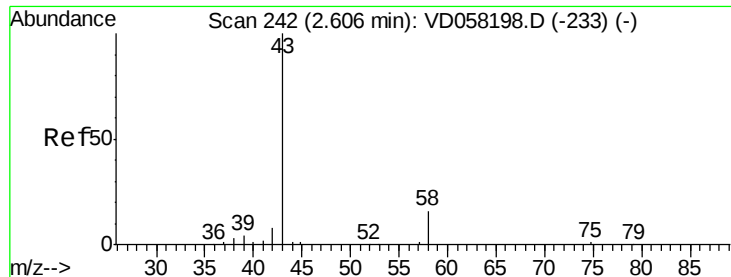
Tot Ion: 50 Resp: 295
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



#13
Acrolein
Concen: 1.907 ug/l
RT: 2.37 min Scan# 218
Delta R.T. -0.10 min
Lab File: VD058251.D
Acq: 21 Jun 2018 14:38

Tgt Ion: 56 Resp: 247
Ion Ratio Lower Upper
56 100
55 0.0 62.1 93.1#





#16

Acetone

Concen: 3.834 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058251.D

Acq: 21 Jun 2018 14:38

Instrument :

MSVOA_D

ClientSampleId :

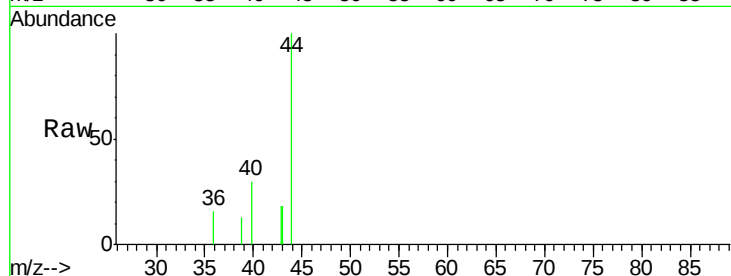
CL-02-061918-A

Tot Ion: 43 Resp: 3607

Ion Ratio Lower Upper

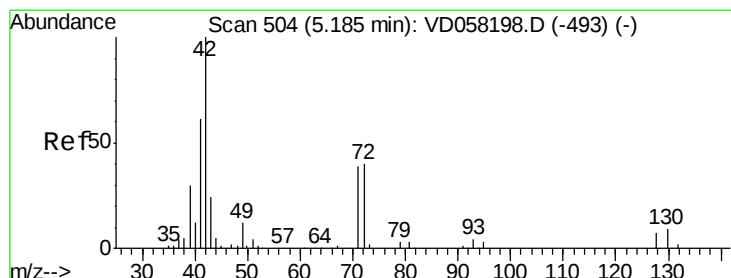
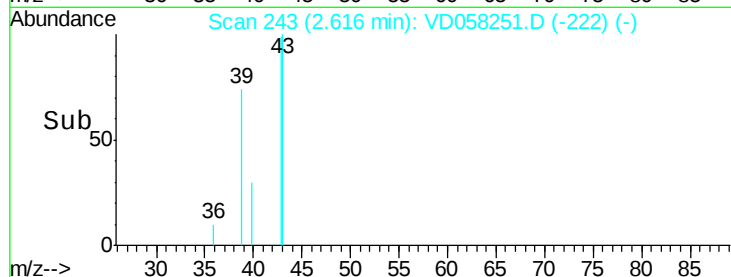
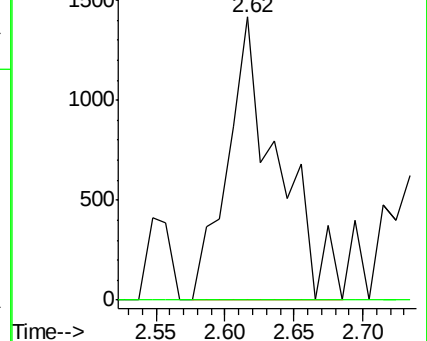
43 100

58 0.0 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#29

Tetrahydrofuran

Concen: 1.335 ug/l

RT: 5.21 min Scan# 506

Delta R.T. 0.02 min

Lab File: VD058251.D

Acq: 21 Jun 2018 14:38

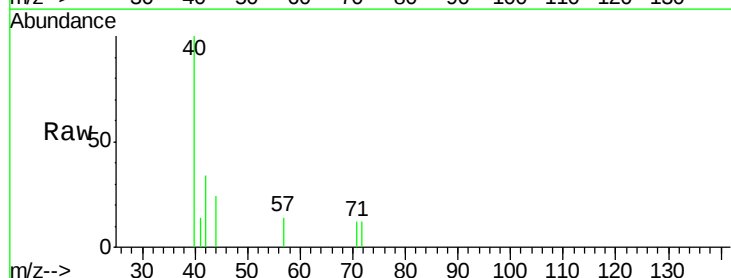
Tgt Ion: 42 Resp: 1457

Ion Ratio Lower Upper

42 100

72 29.3 30.2 45.2#

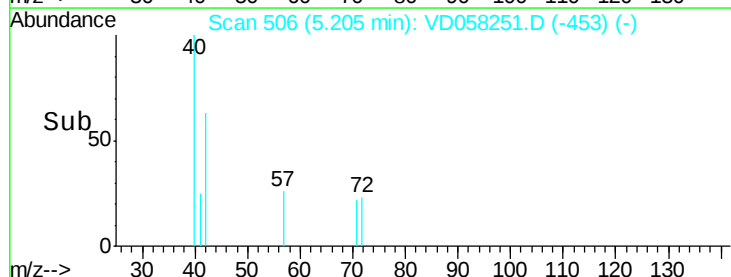
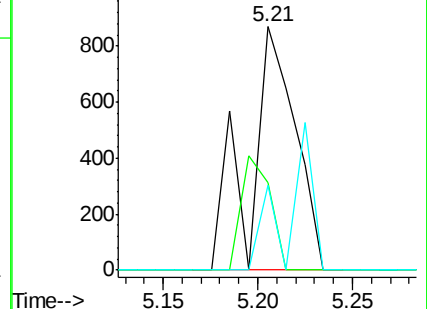
71 0.0 30.1 45.1#

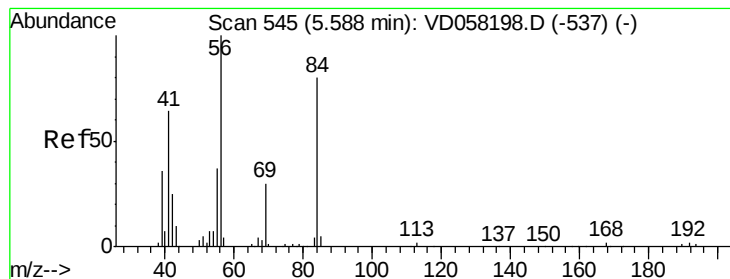


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: Below Cal

RT: 5.65 min Scan# 551

Delta R.T. 0.06 min

Lab File: VD058251.D

Acq: 21 Jun 2018 14:38

Instrument :

MSVOA_D

ClientSampleId :

CL-02-061918-A

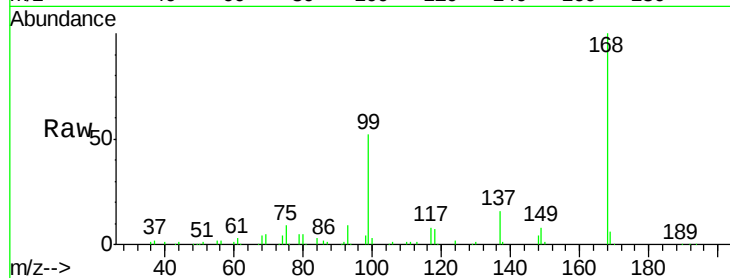
Tot Ion: 56 Resp: 14809

Ion Ratio Lower Upper

56 100

69 237.6 23.6 35.4#

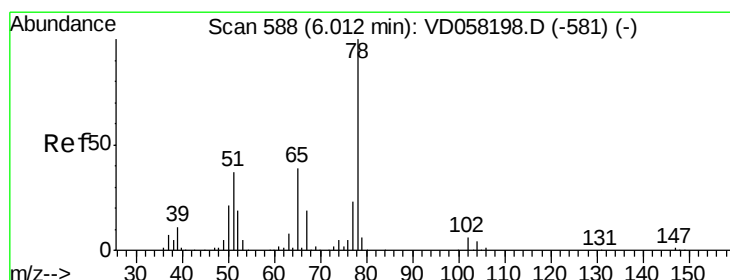
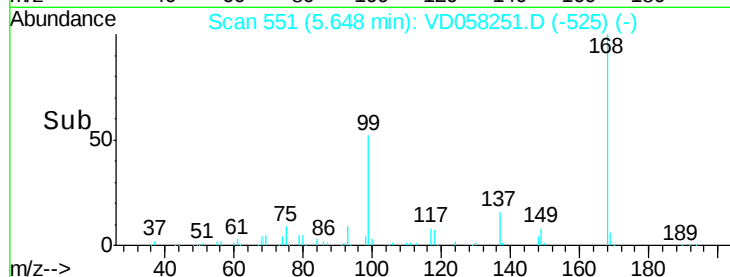
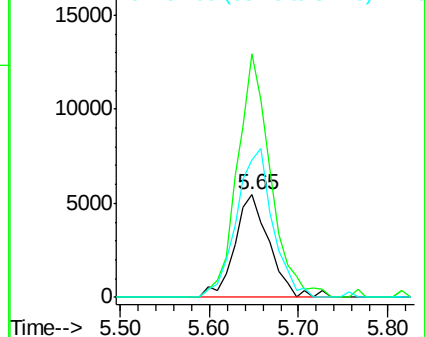
84 133.8 65.2 97.8#



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: 6.03 min Scan# 590

Delta R.T. 0.02 min

Lab File: VD058251.D

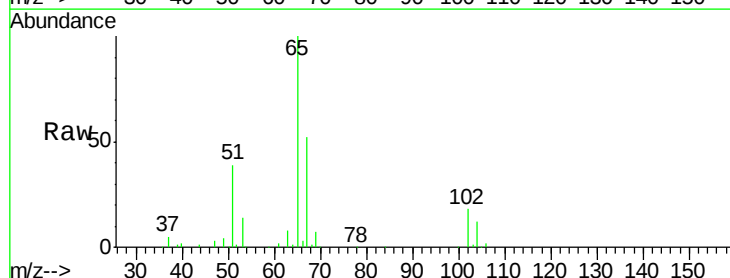
Acq: 21 Jun 2018 14:38

Tgt Ion: 65 Resp: 346630

Ion Ratio Lower Upper

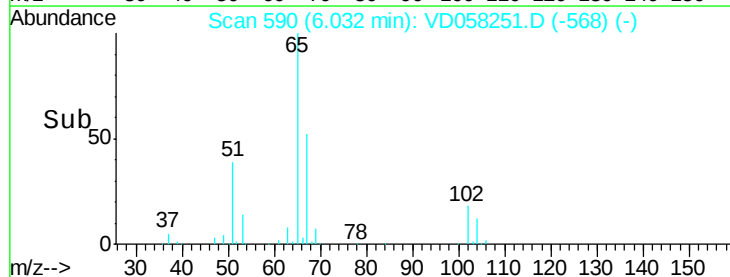
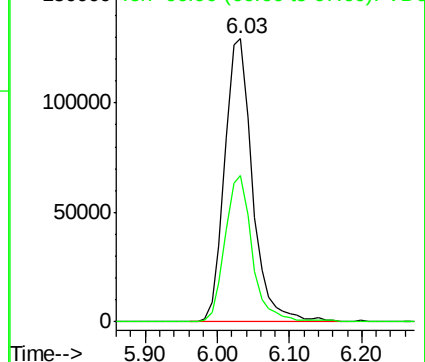
65 100

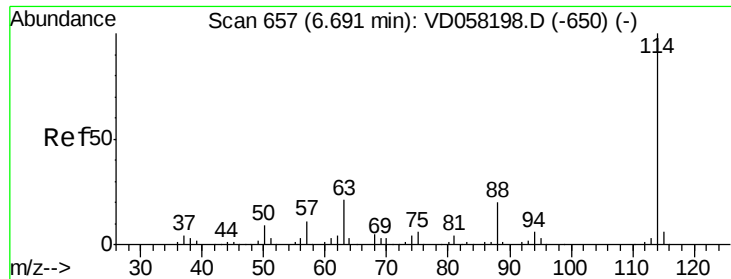
67 51.8 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

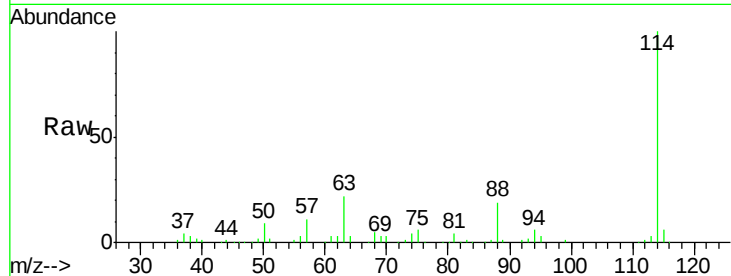




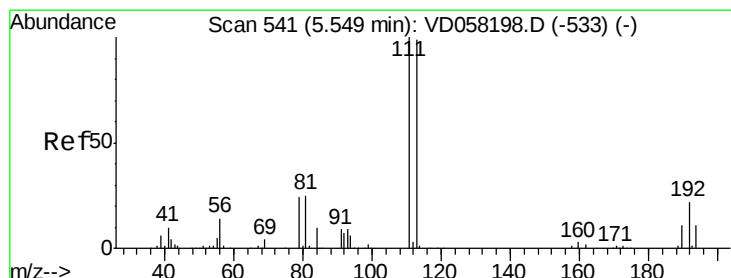
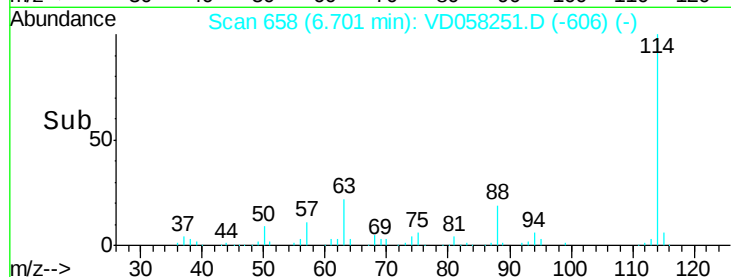
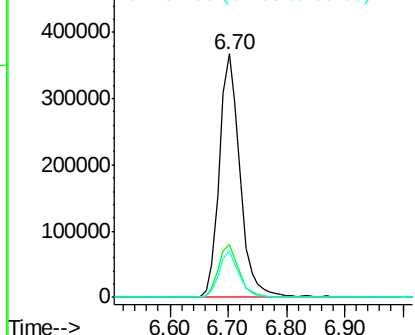
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD058251.D
 Acq: 21 Jun 2018 14:38

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-061918-A

Tot Ion:114 Resp: 904526
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 42.6
 88 18.8 0.0 40.6

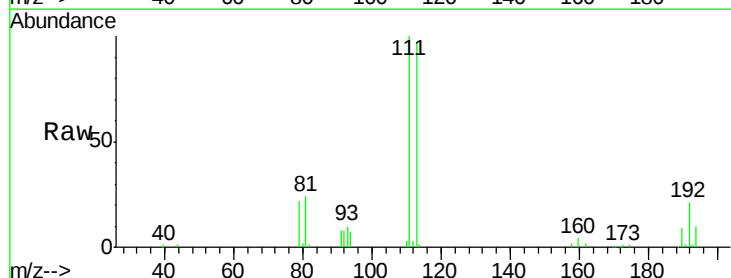


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

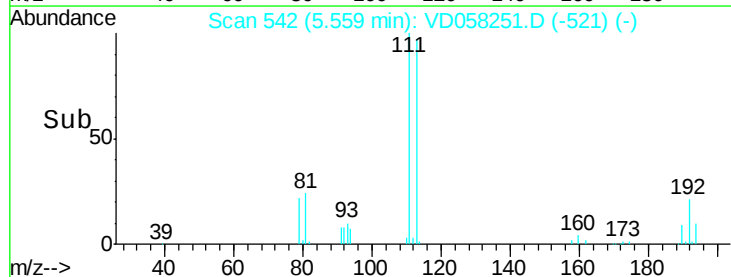
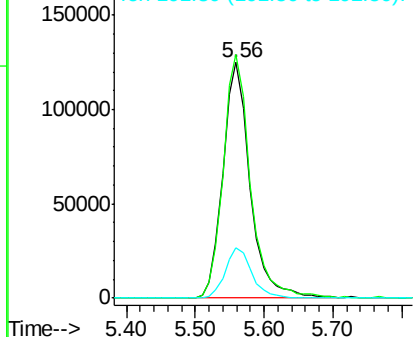


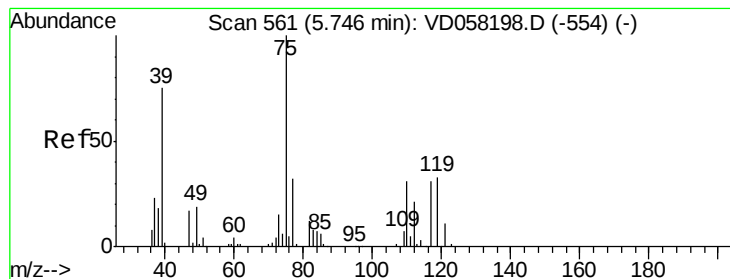
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.56 min Scan# 542
 Delta R.T. 0.01 min
 Lab File: VD058251.D
 Acq: 21 Jun 2018 14:38

Tgt Ion:113 Resp: 342772
 Ion Ratio Lower Upper
 113 100
 111 103.4 80.6 121.0
 192 21.3 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: 6.369 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.10 min

Lab File: VD058251.D

Acq: 21 Jun 2018 14:38

Instrument :

MSVOA_D

ClientSampleId :

CL-02-061918-A

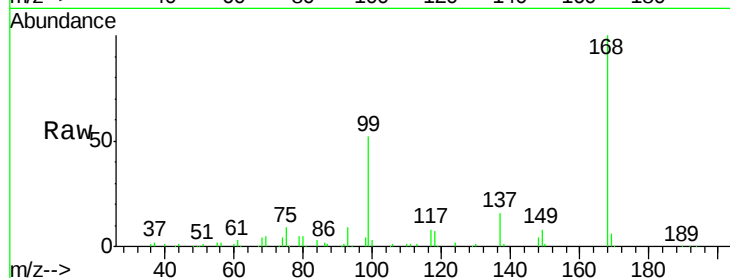
Tot Ion: 75 Resp: 56991

Ion Ratio Lower Upper

75 100

110 7.3 15.4 46.4#

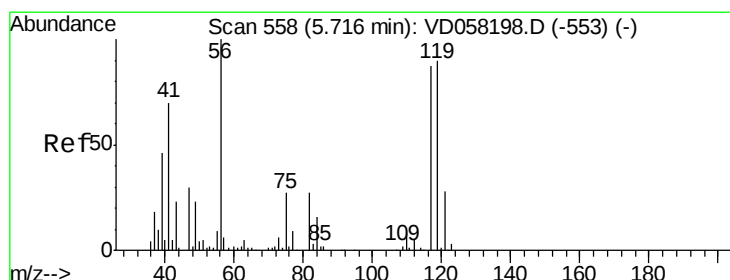
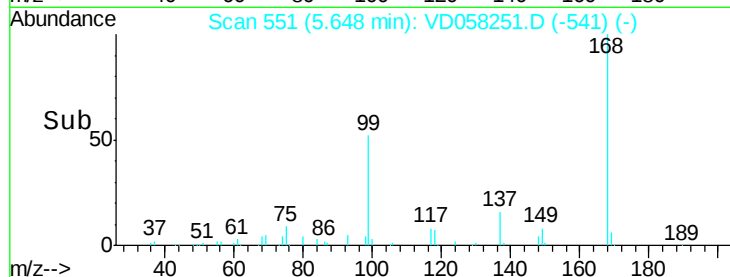
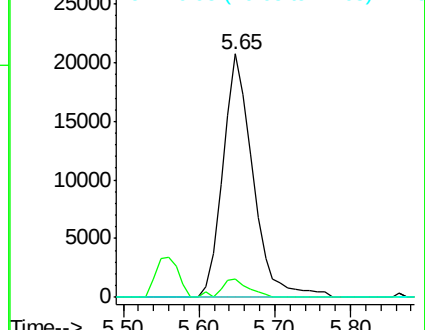
77 0.0 25.4 38.2#



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: 6.348 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.07 min

Lab File: VD058251.D

Acq: 21 Jun 2018 14:38

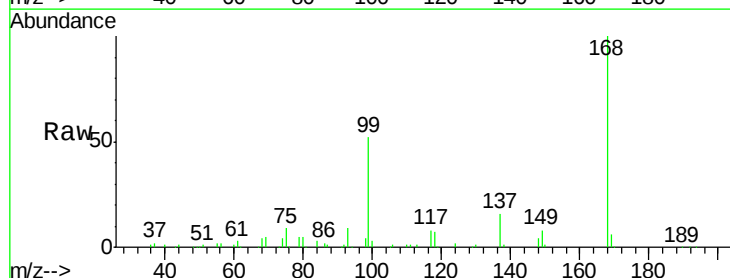
Tgt Ion: 117 Resp: 56436

Ion Ratio Lower Upper

117 100

119 4.9 78.8 118.2#

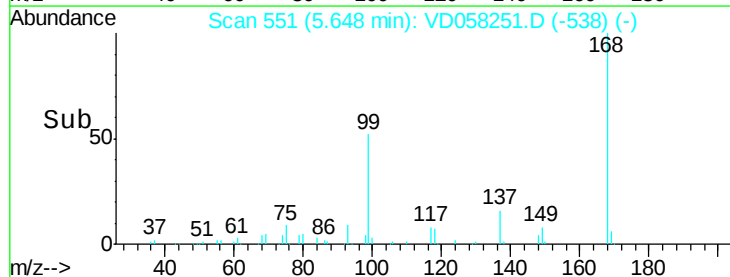
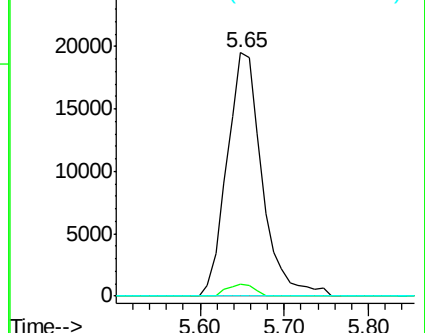
121 0.0 25.0 37.6#

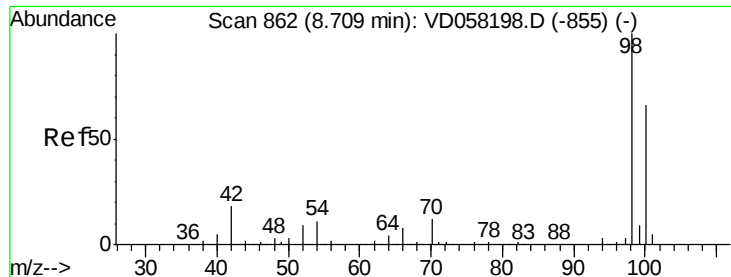


Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 118.85 (118.55 to 119.55): VDC

Ion 120.85 (120.55 to 121.55): VDC

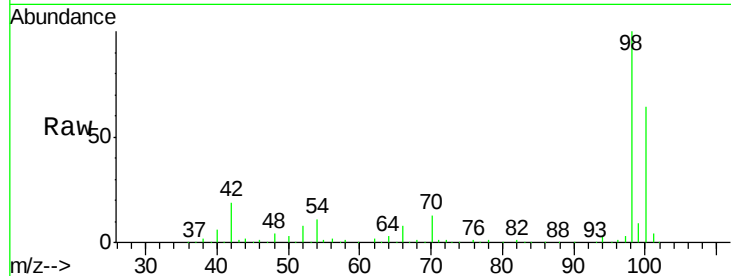




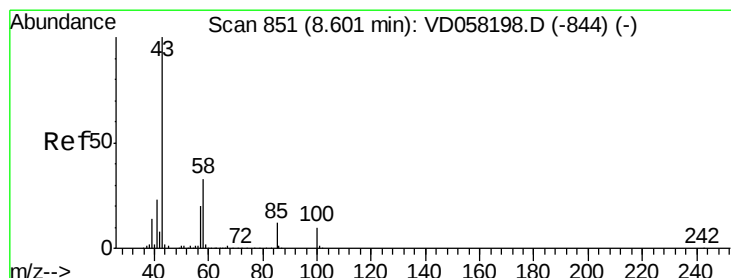
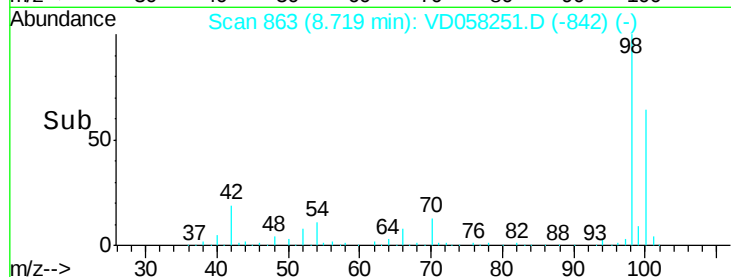
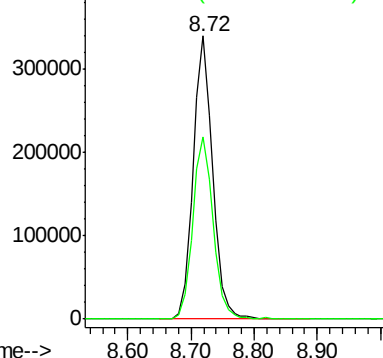
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.01 min
Lab File: VD058251.D
Acq: 21 Jun 2018 14:38

Instrument :
MSVOA_D
ClientSampleId :
CL-02-061918-A

Tot Ion: 98 Resp: 731567
Ion Ratio Lower Upper
98 100
100 64.3 53.6 80.4

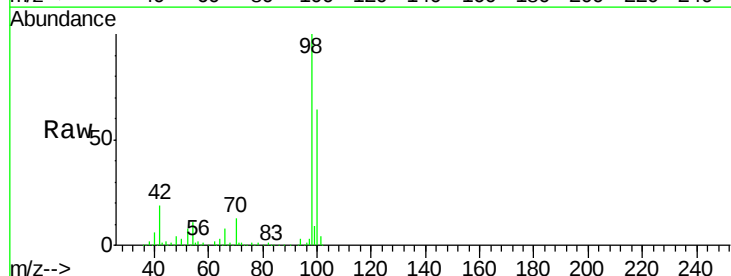


Abundance Ion 98.05 (97.75 to 98.75): VD058198.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD058198.D (-855) (-)

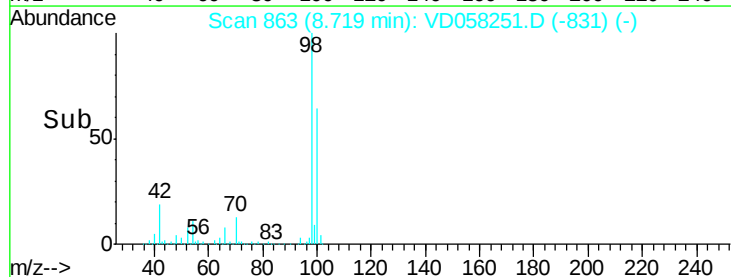
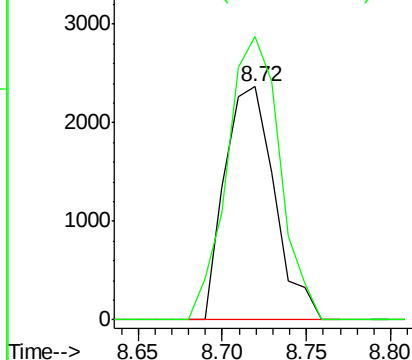


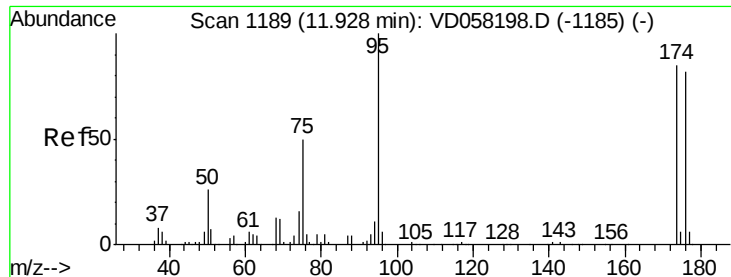
#51
4-Methyl-2-Pentanone
Concen: 1.092 ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.12 min
Lab File: VD058251.D
Acq: 21 Jun 2018 14:38

Tgt Ion: 43 Resp: 4841
Ion Ratio Lower Upper
43 100
58 121.5 26.7 40.1#



Abundance Ion 42.95 (42.65 to 43.65): VD058198.D (-844) (-)
Ion 57.95 (57.65 to 58.65): VD058198.D (-844) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058251.D

Acq: 21 Jun 2018 14:38

Instrument :

MSVOA_D

ClientSampleId :

CL-02-061918-A

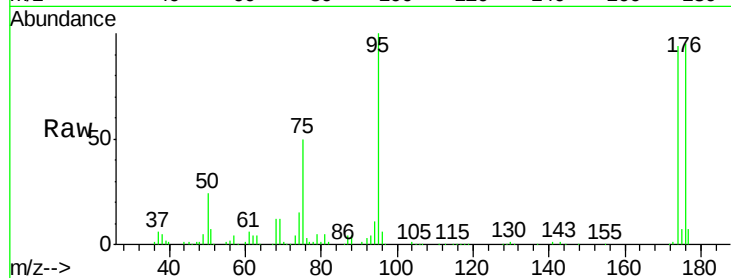
Tot Ion: 95 Resp: 305471

Ion Ratio Lower Upper

95 100

174 94.2 0.0 170.2

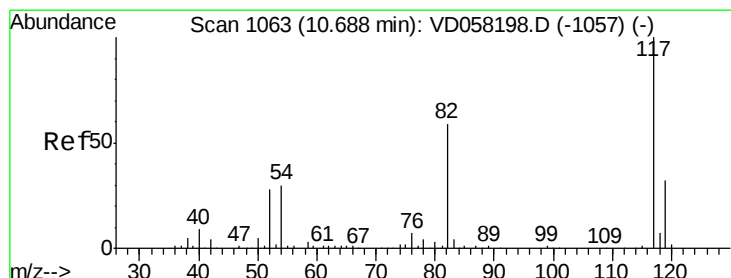
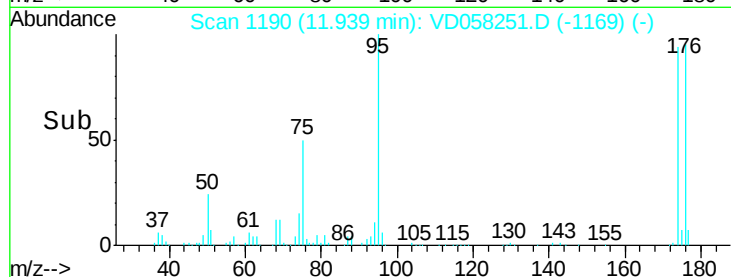
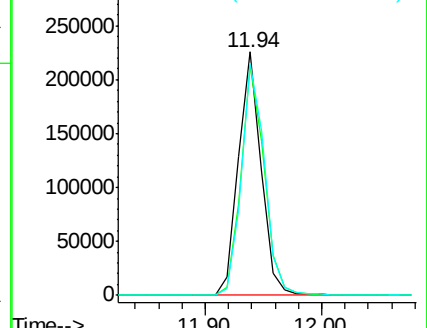
176 95.3 0.0 164.6



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: 10.70 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VD058251.D

Acq: 21 Jun 2018 14:38

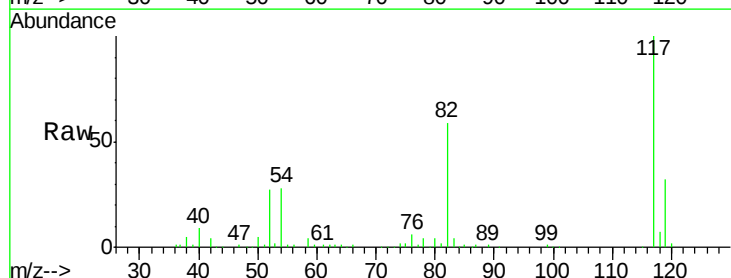
Tgt Ion: 117 Resp: 671117

Ion Ratio Lower Upper

117 100

82 59.3 47.0 70.6

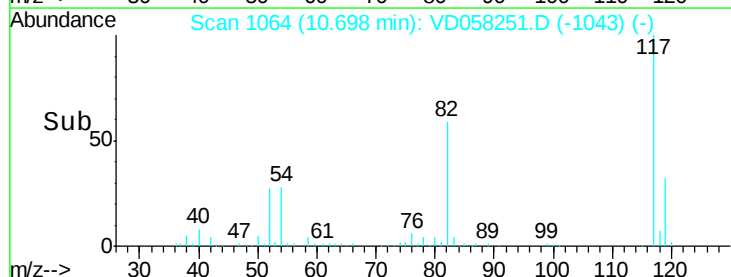
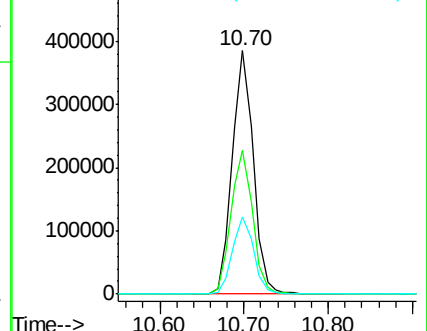
119 31.7 25.3 37.9

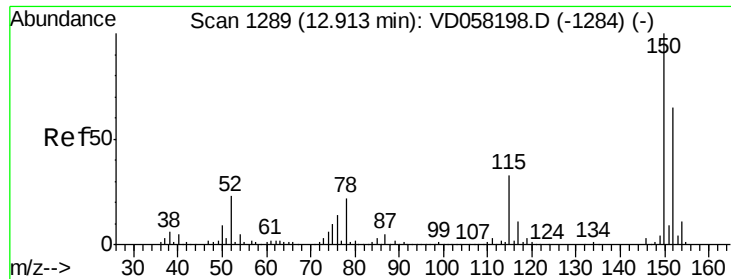


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD058251.D

Acq: 21 Jun 2018 14:38

Instrument :

MSVOA_D

ClientSampleId :

CL-02-061918-A

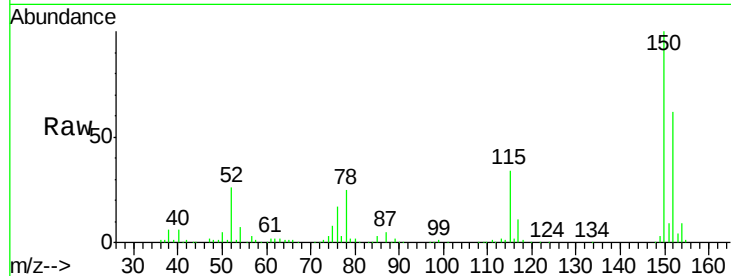
Tot Ion:152 Resp: 321483

Ion Ratio Lower Upper

152 100

115 55.2 25.1 75.3

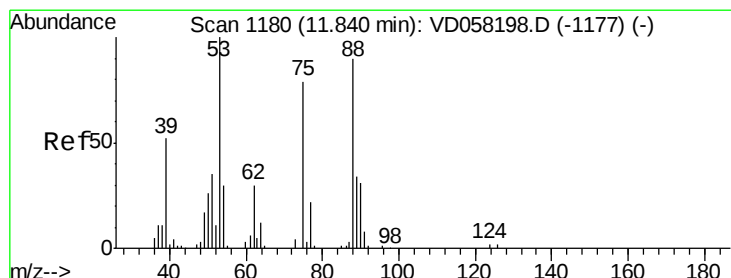
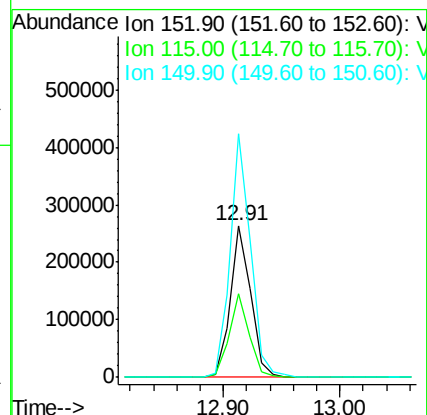
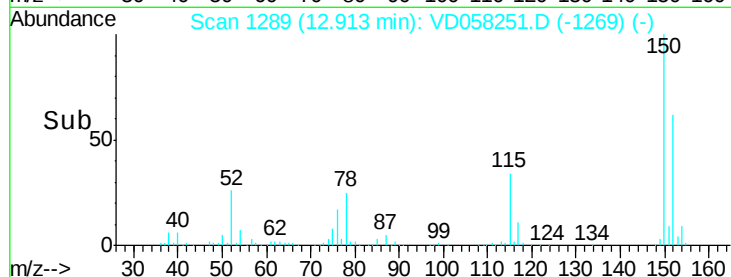
150 160.7 0.0 308.8



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



#81

trans-1,4-Dichloro-2-butene

Concen: 131.522 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.10 min

Lab File: VD058251.D

Acq: 21 Jun 2018 14:38

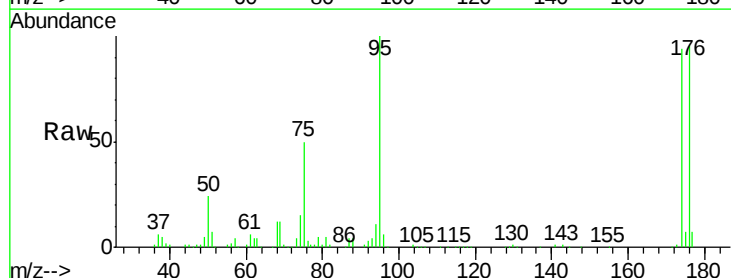
Tgt Ion: 75 Resp: 150563

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

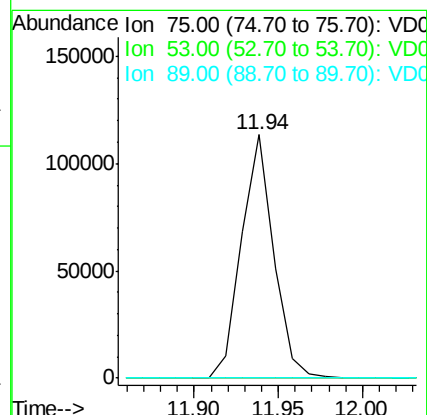
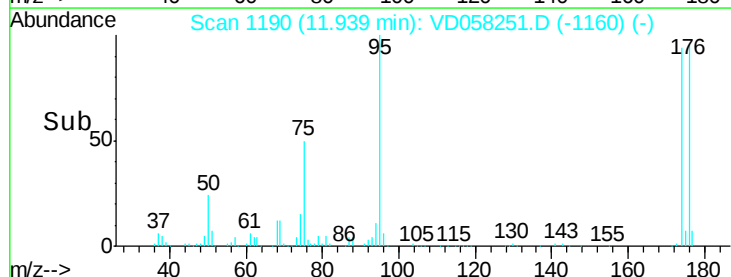
89 0.0 34.6 52.0#

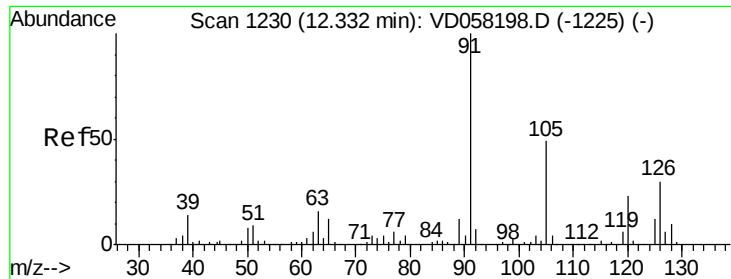


Abundance Ion 75.00 (74.70 to 75.70): VDC

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: 12.33 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VD058251.D
 Acq: 21 Jun 2018 14:38

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-02-061918-A

Tot Ion: 91 Resp: 2355
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.9 44.9#

