

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058229.D
 Acq On : 21 Jun 2018 2:13
 Operator : VA/AP
 Sample : J3245-09
 Misc : 4.41g/5ml/MSVOA D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

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

Quant Time: Jun 21 05:18:09 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	577208	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	802995	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	568128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	267334	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	372760	63.94	ug/l	0.02
Spiked Amount 50.000			Recovery	=	127.88%	
35) Dibromofluoromethane	5.55	113	364867	55.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.66%	
50) Toluene-d8	8.71	98	730386	46.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.38%	
62) 4-Bromofluorobenzene	11.93	95	293801	45.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.98%	

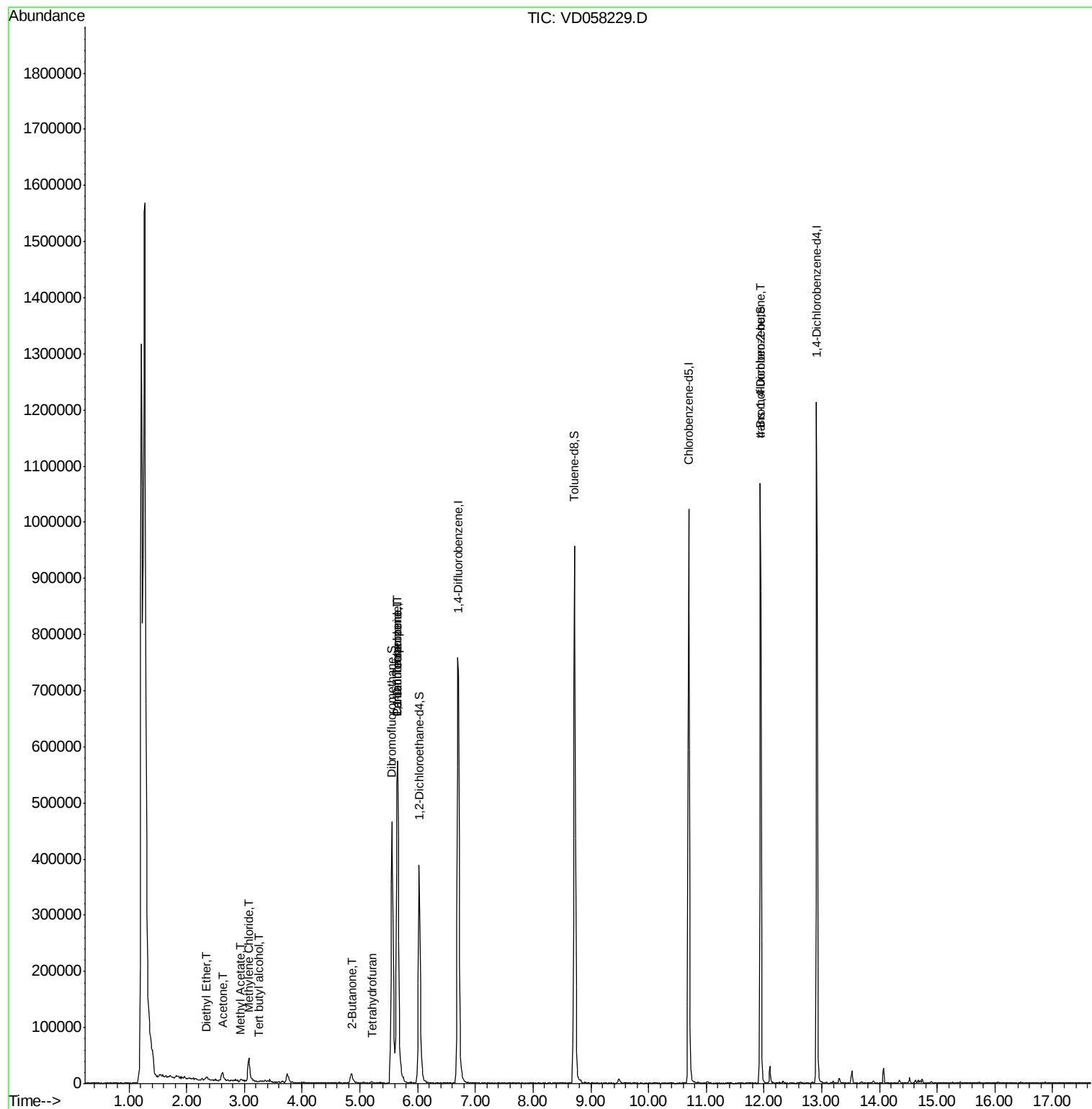
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	414	Below Cal	#	43
3) Chloromethane	1.47	50	222	Below Cal	#	43
5) Bromomethane	1.80	94	326	Below Cal	#	3
8) Diethyl Ether	2.34	74	1676	1.911	ug/l	93
11) Tert butyl alcohol	3.25	59	287	1.493	ug/l #	78
16) Acetone	2.61	43	31846	39.941	ug/l #	85
18) Methyl Acetate	2.93	43	3030	1.782	ug/l #	65
20) Methylene Chloride	3.07	84	20728	5.740	ug/l #	79
25) 2-Butanone	4.86	43	3812	2.194	ug/l #	60
29) Tetrahydrofuran	5.21	42	1346	1.455	ug/l #	50
31) Cyclohexane	5.65	56	12925	Below Cal	#	1
36) 1,1-Dichloropropene	5.64	75	46456	5.848	ug/l #	52
38) Carbon Tetrachloride	5.65	117	48076	6.091	ug/l #	11
81) trans-1,4-Dichloro-2-buten	11.93	75	139088	146.108	ug/l #	1
82) 4-Chlorotoluene	12.33	91	1785	Below Cal		86

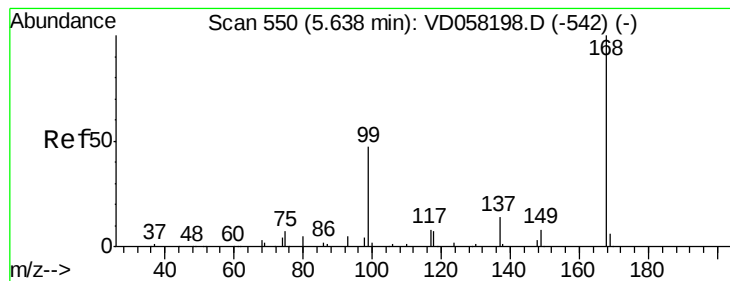
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062018\
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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: 5.65 min Scan# 551

Delta R.T. 0.02 min

Lab File: VD058229.D

Acq: 21 Jun 2018 2:13

Instrument :

MSVOA_D

ClientSampleId :

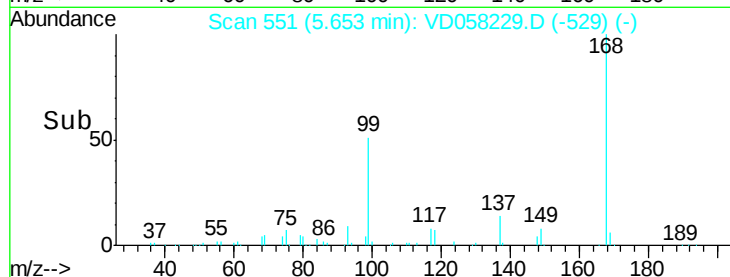
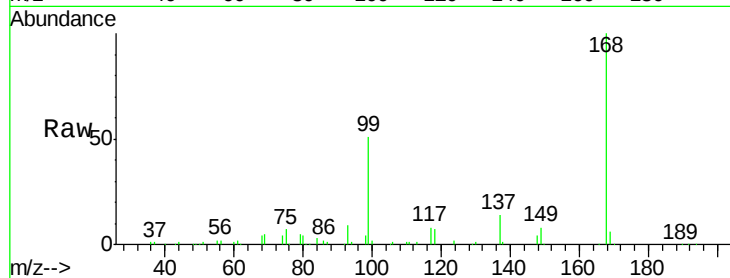
CL-02-061918-A

Tot Ion:168 Resp: 577208

Ion Ratio Lower Upper

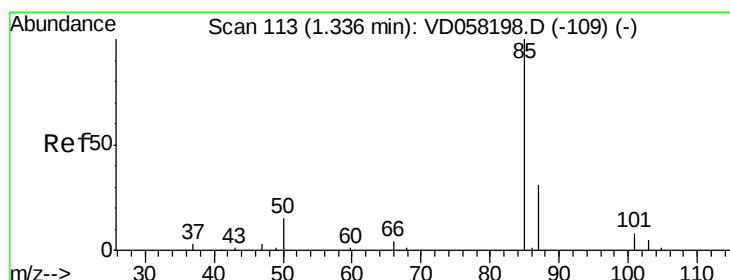
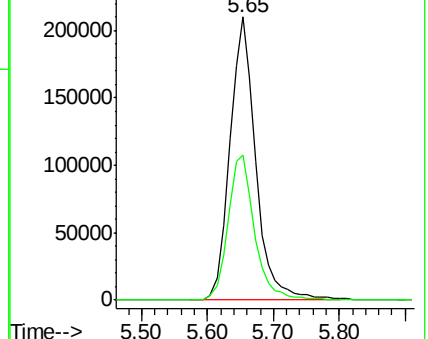
168 100

99 51.4 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: 1.35 min Scan# 114

Delta R.T. 0.02 min

Lab File: VD058229.D

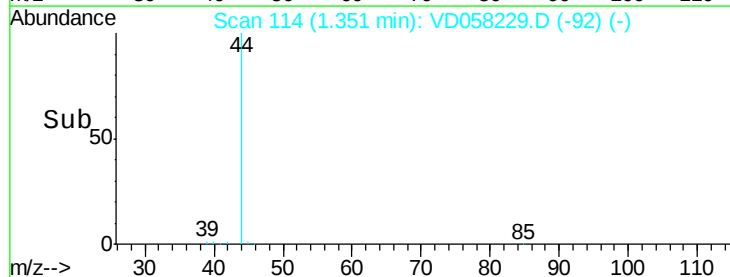
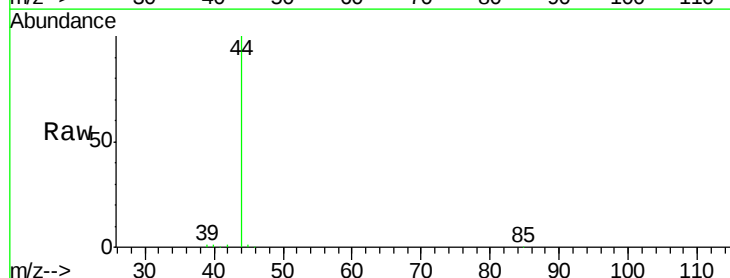
Acq: 21 Jun 2018 2:13

Tgt Ion: 85 Resp: 414

Ion Ratio Lower Upper

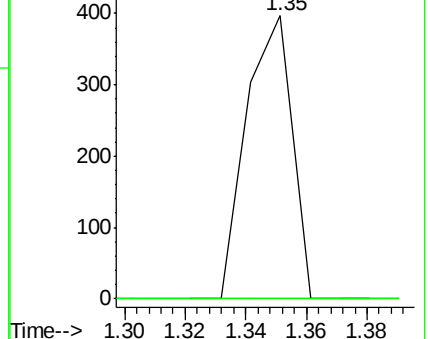
85 100

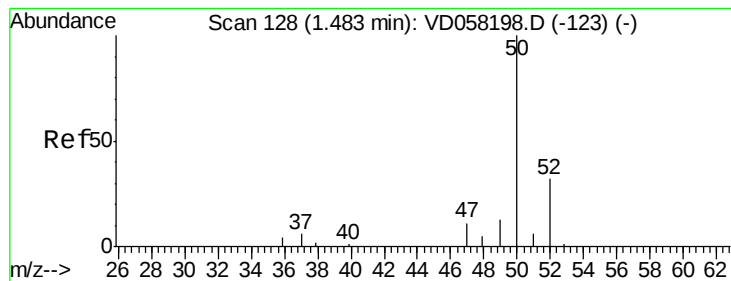
87 0.0 15.7 47.0#



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: 1.47 min Scan# 126

Delta R.T. -0.01 min

Lab File: VD058229.D

Acq: 21 Jun 2018 2:13

Instrument :

MSVOA_D

ClientSampleId :

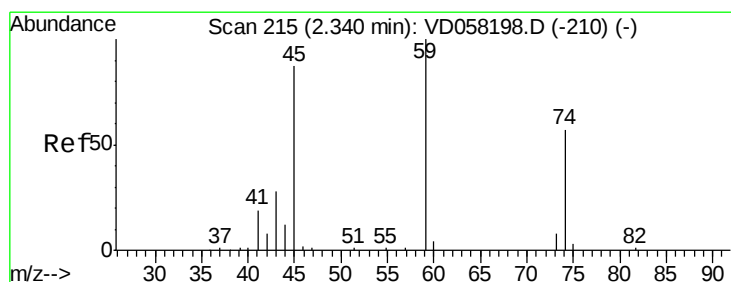
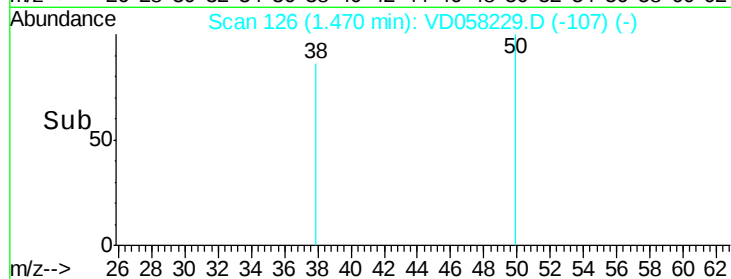
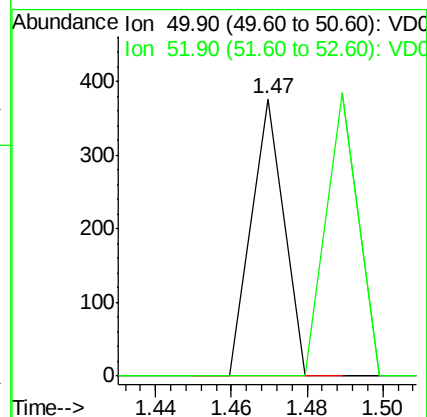
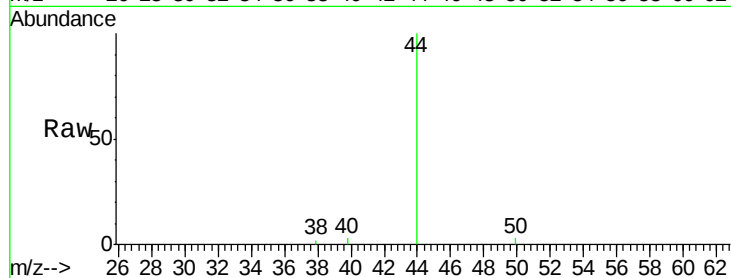
CL-02-061918-A

Tot Ion: 50 Resp: 222

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#



#8

Diethyl Ether

Concen: 1.911 ug/l

RT: 2.34 min Scan# 214

Delta R.T. -0.00 min

Lab File: VD058229.D

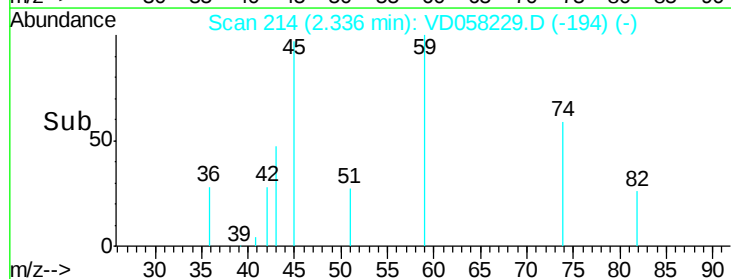
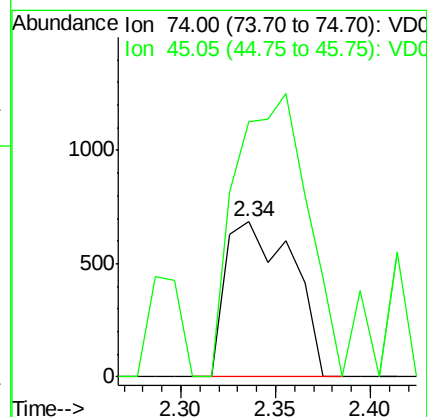
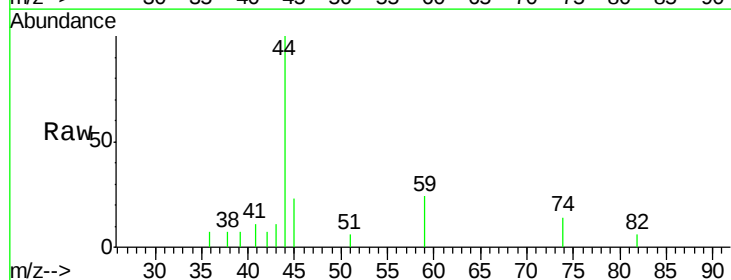
Acq: 21 Jun 2018 2:13

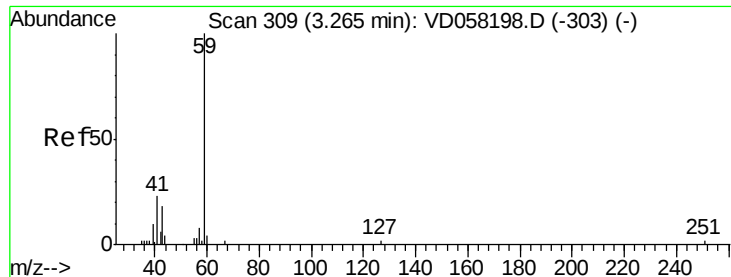
Tgt Ion: 74 Resp: 1676

Ion Ratio Lower Upper

74 100

45 164.4 77.5 232.6

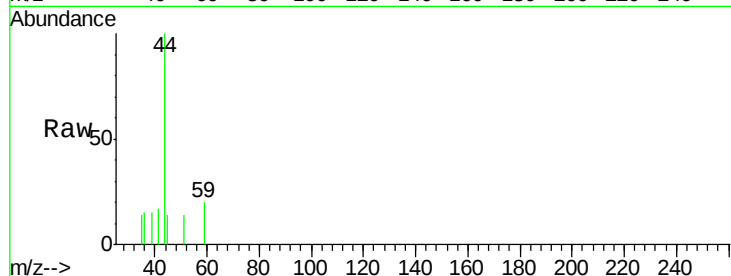




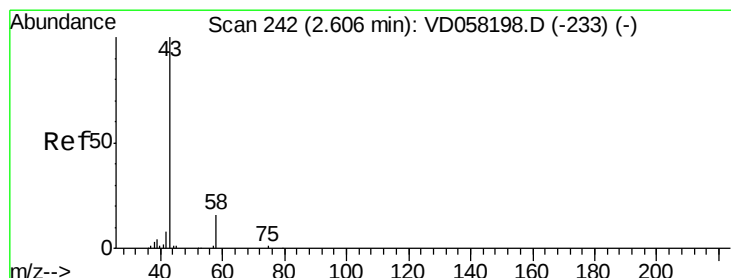
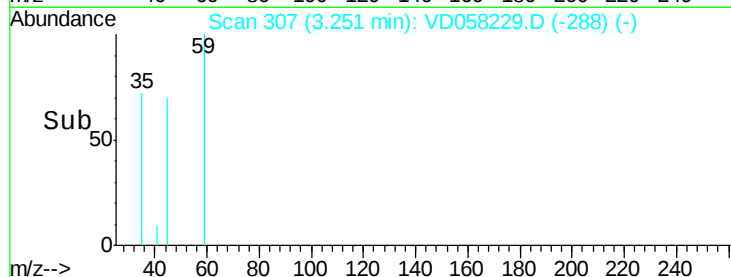
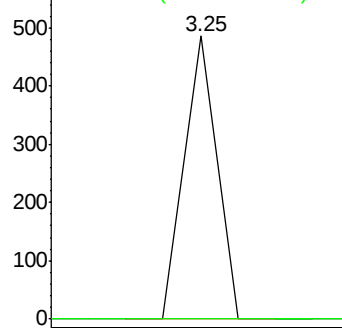
#11
Tert butyl alcohol
Concen: 1.493 ug/l
RT: 3.25 min Scan# 307
Delta R.T. -0.01 min
Lab File: VD058229.D
Acq: 21 Jun 2018 2:13

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

Tot Ion: 59 Resp: 287
Ion Ratio Lower Upper
59 100
57 0.0 6.2 9.4#

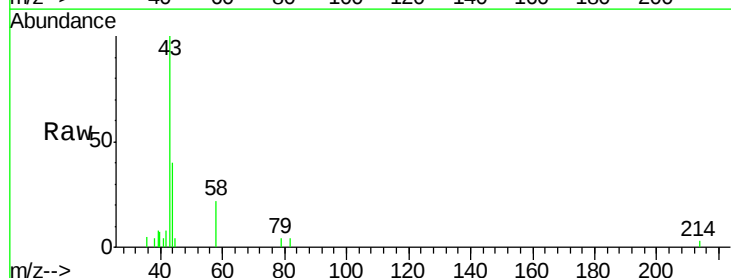


Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC

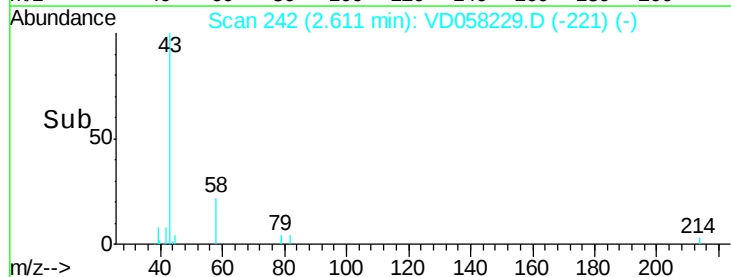
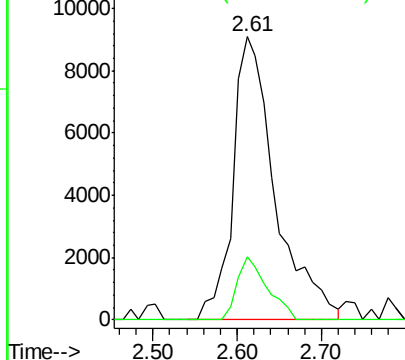


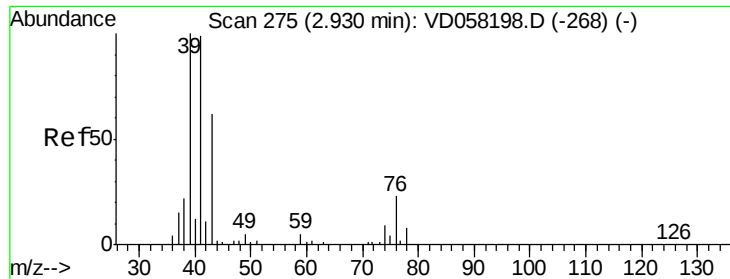
#16
Acetone
Concen: 39.941 ug/l
RT: 2.61 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD058229.D
Acq: 21 Jun 2018 2:13

Tgt Ion: 43 Resp: 31846
Ion Ratio Lower Upper
43 100
58 22.2 12.7 19.1#



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

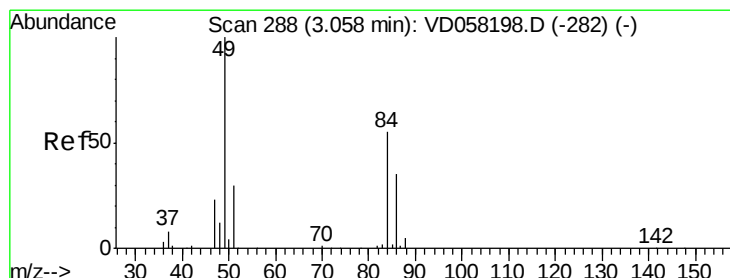
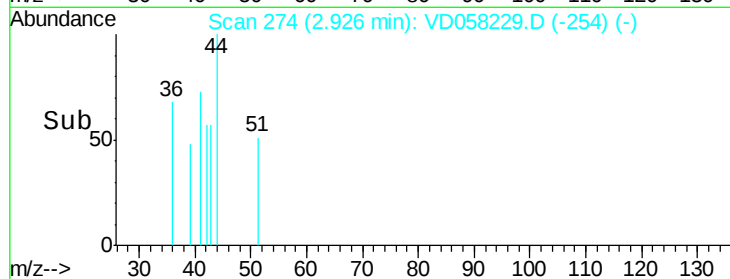
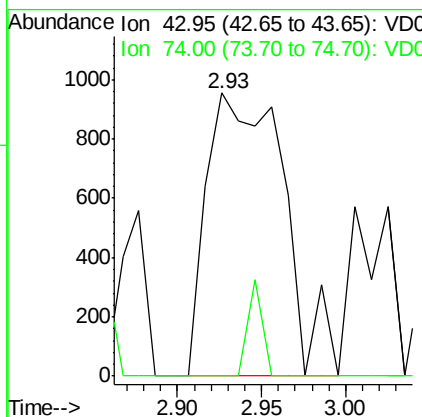
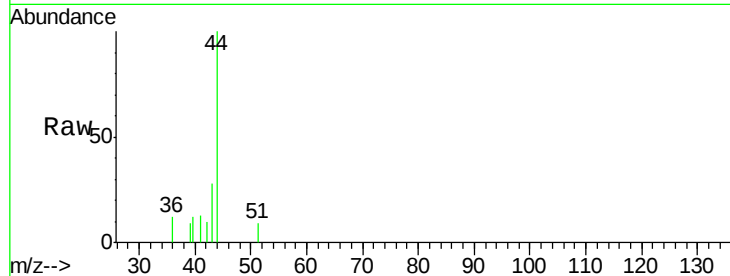




#18
Methyl Acetate
Concen: 1.782 ug/l
RT: 2.93 min Scan# 274
Delta R.T. -0.00 min
Lab File: VD058229.D
Acq: 21 Jun 2018 2:13

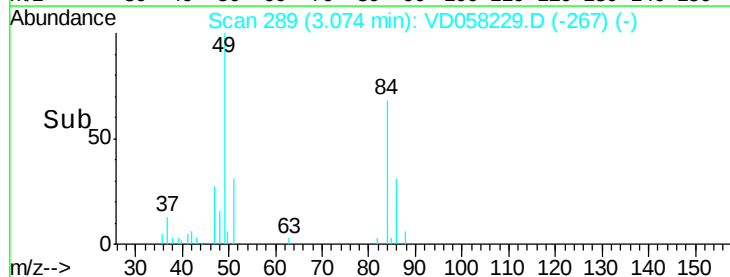
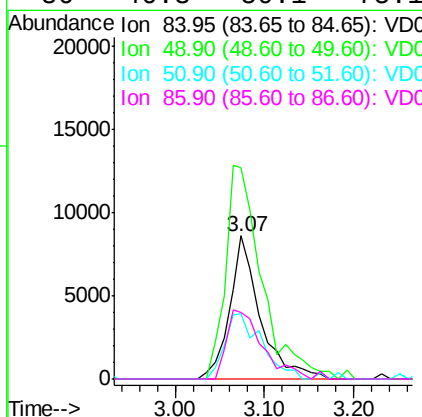
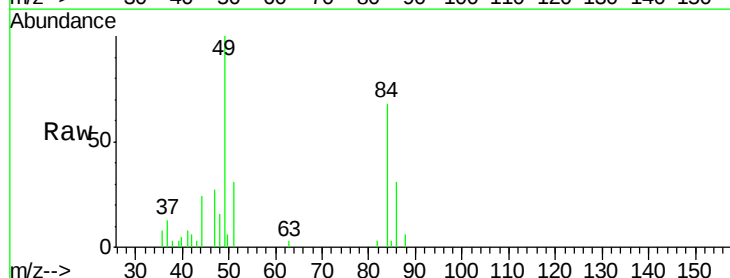
Instrument :
MSVOA_D
ClientSampleId :
CL-02-061918-A

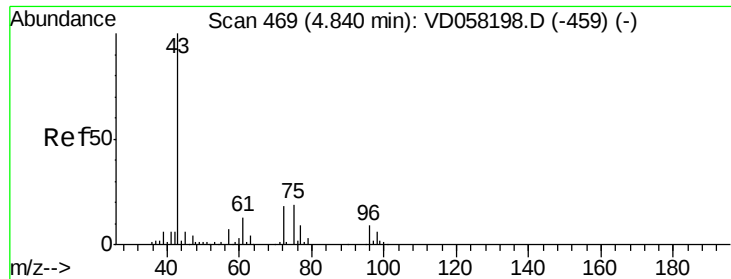
Tot Ion: 43 Resp: 3030
Ion Ratio Lower Upper
43 100
74 0.0 11.7 17.5#



#20
Methylene Chloride
Concen: 5.740 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.02 min
Lab File: VD058229.D
Acq: 21 Jun 2018 2:13

Tgt Ion: 84 Resp: 20728
Ion Ratio Lower Upper
84 100
49 147.4 145.0 217.6
51 45.6 42.9 64.3
86 46.3 50.1 75.1#





#25

2-Butanone

Concen: 2.194 ug/l

RT: 4.86 min Scan# 470

Delta R.T. 0.02 min

Lab File: VD058229.D

Acq: 21 Jun 2018 2:13

Instrument :

MSVOA_D

ClientSampleId :

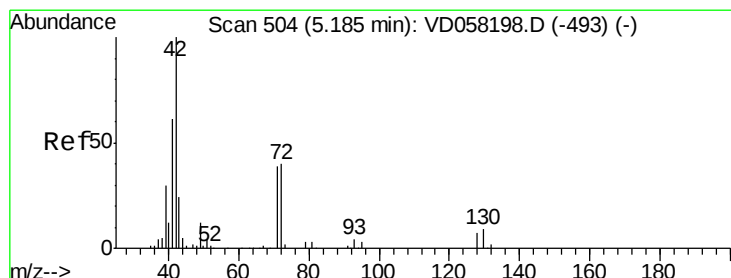
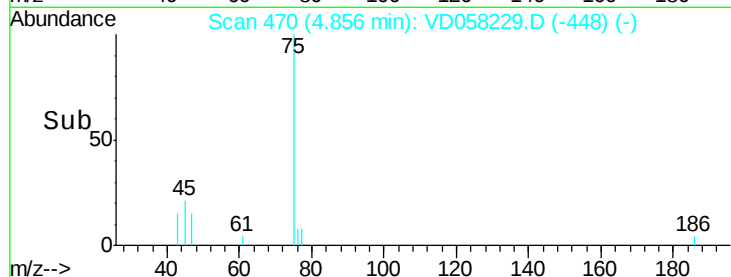
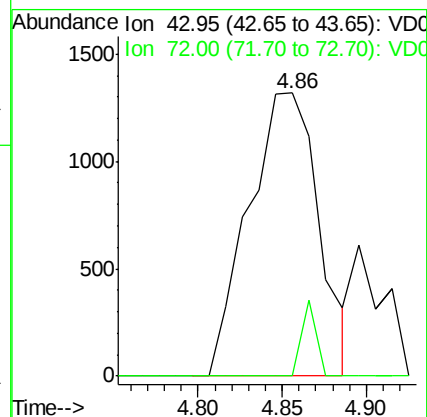
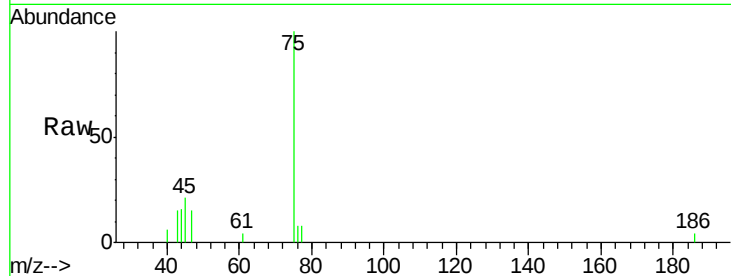
CL-02-061918-A

Tot Ion: 43 Resp: 3812

Ion Ratio Lower Upper

43 100

72 0.0 14.1 21.1#



#29

Tetrahydrofuran

Concen: 1.455 ug/l

RT: 5.21 min Scan# 506

Delta R.T. 0.03 min

Lab File: VD058229.D

Acq: 21 Jun 2018 2:13

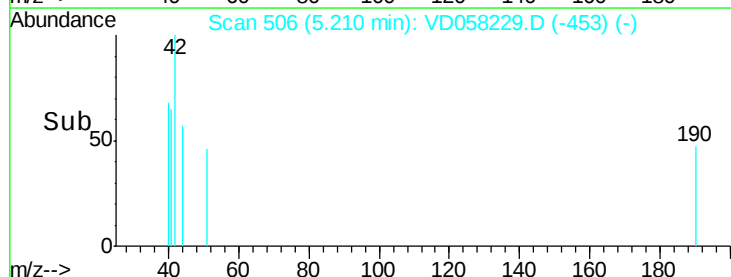
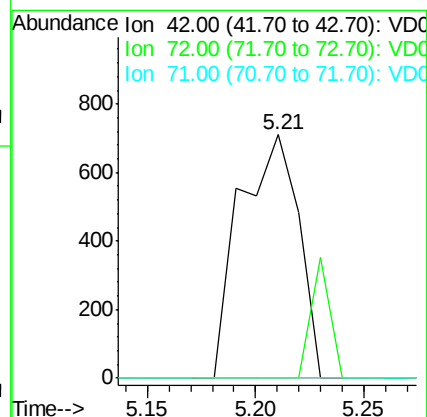
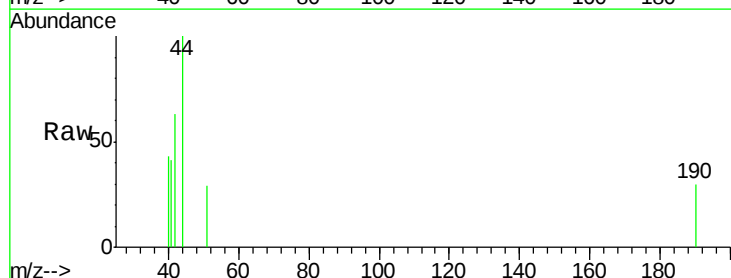
Tgt Ion: 42 Resp: 1346

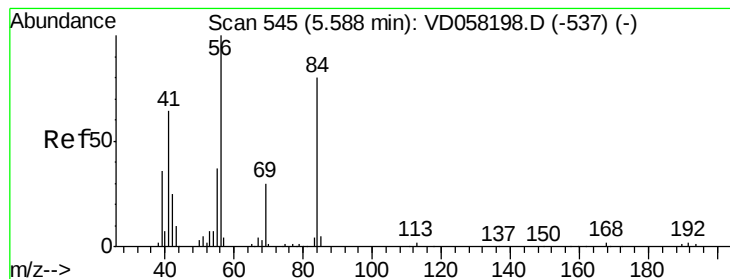
Ion Ratio Lower Upper

42 100

72 15.5 30.2 45.2#

71 0.0 30.1 45.1#





#31

Cyclohexane

Concen: Below Cal

RT: 5.65 min Scan# 551

Delta R.T. 0.07 min

Lab File: VD058229.D

Acq: 21 Jun 2018 2:13

Instrument :

MSVOA_D

ClientSampleId :

CL-02-061918-A

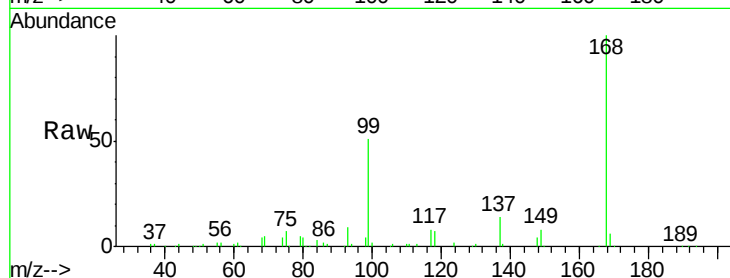
Tot Ion: 56 Resp: 12925

Ion Ratio Lower Upper

56 100

69 214.4 23.6 35.4#

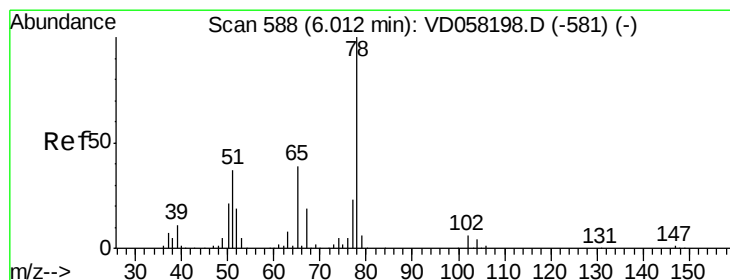
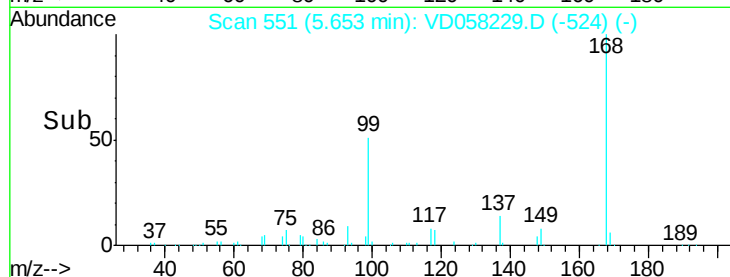
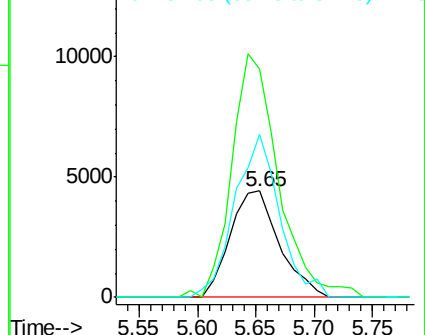
84 154.0 65.2 97.8#



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: N.D. ug/l

RT: 6.03 min Scan# 589

Delta R.T. 0.02 min

Lab File: VD058229.D

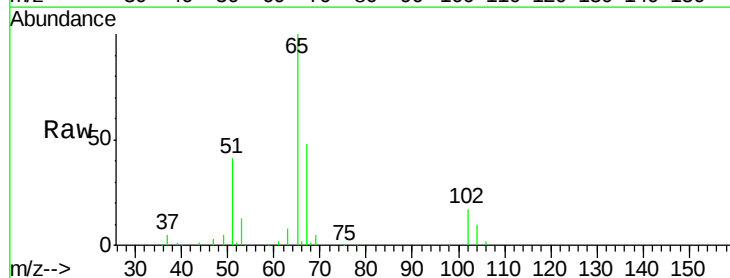
Acq: 21 Jun 2018 2:13

Tgt Ion: 65 Resp: 372760

Ion Ratio Lower Upper

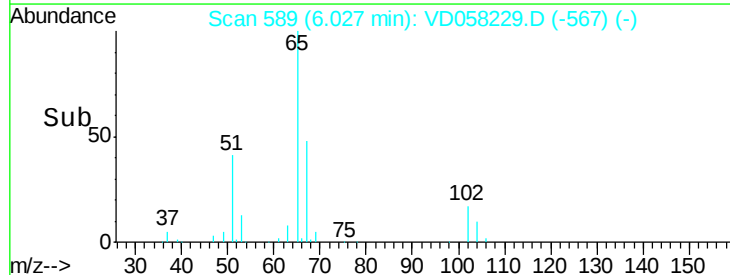
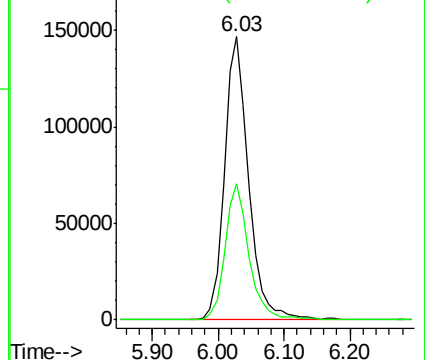
65 100

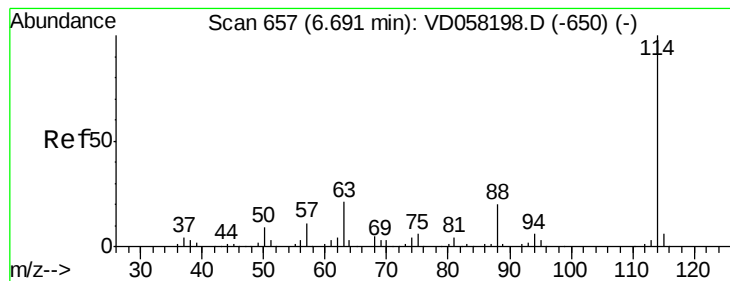
67 48.1 0.0 97.8



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# 657

Delta R.T. 0.01 min

Lab File: VD058229.D

Acq: 21 Jun 2018 2:13

Instrument :

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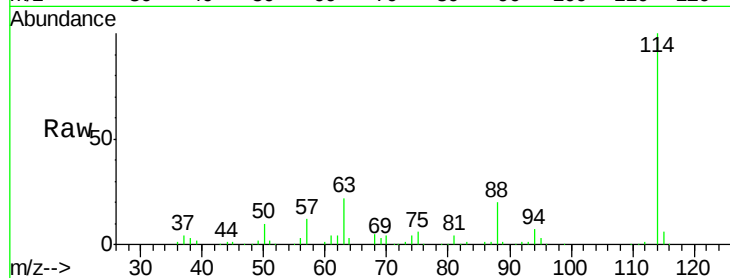
Tot Ion:114 Resp: 802995

Ion Ratio Lower Upper

114 100

63 22.2 0.0 42.6

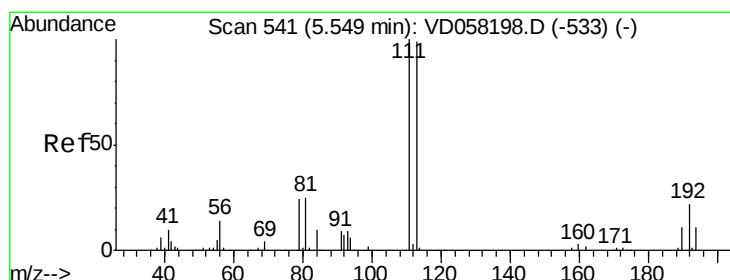
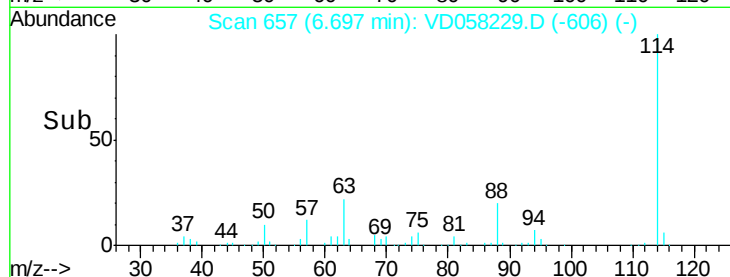
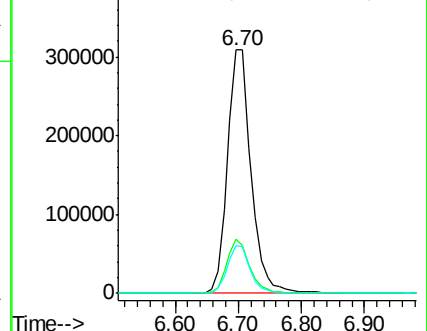
88 19.5 0.0 40.6



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: 5.55 min Scan# 541

Delta R.T. 0.01 min

Lab File: VD058229.D

Acq: 21 Jun 2018 2:13

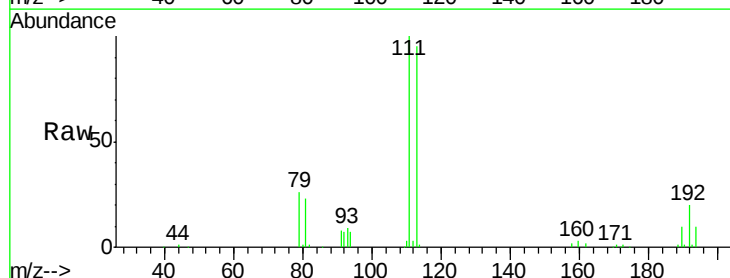
Tgt Ion:113 Resp: 364867

Ion Ratio Lower Upper

113 100

111 105.1 80.6 121.0

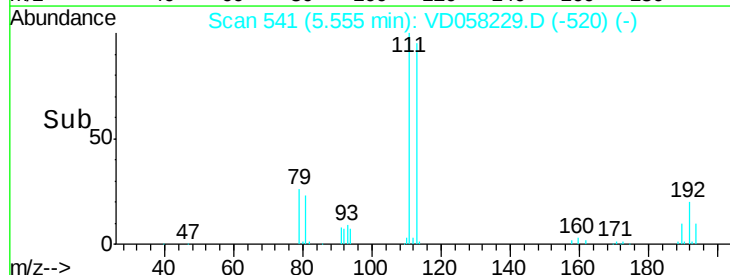
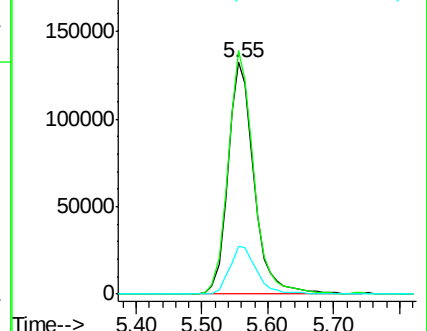
192 20.5 17.8 26.6

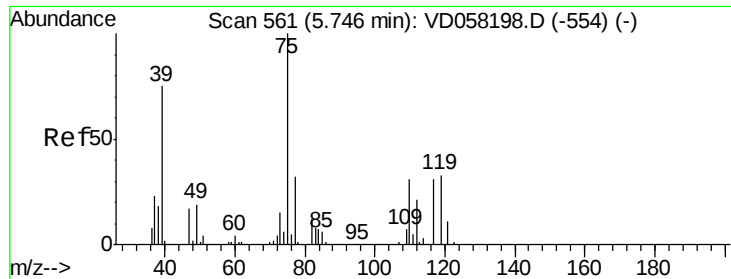


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 5.848 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.10 min

Lab File: VD058229.D

Acq: 21 Jun 2018 2:13

Instrument :

MSVOA_D

ClientSampleId :

CL-02-061918-A

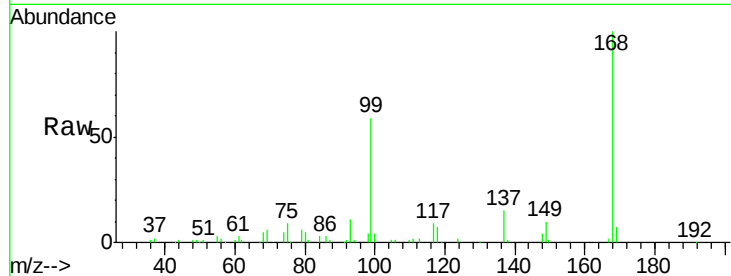
Tot Ion: 75 Resp: 46456

Ion Ratio Lower Upper

75 100

110 9.9 15.4 46.4#

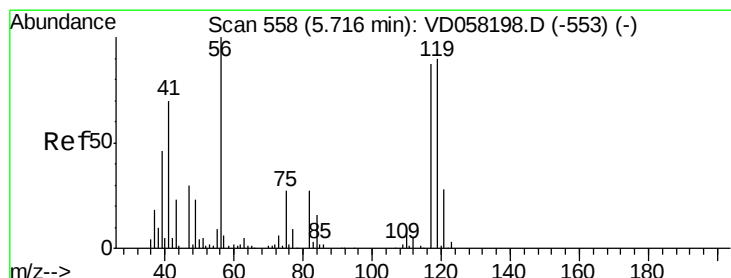
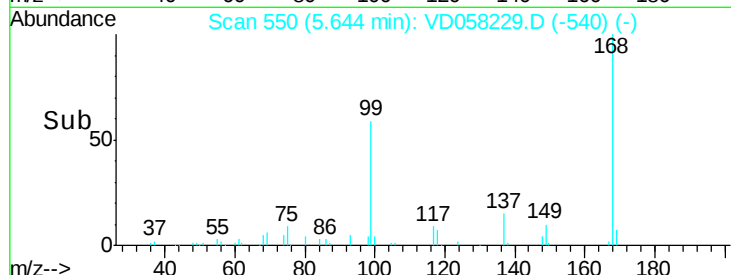
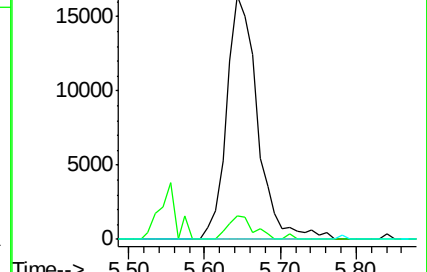
77 0.0 25.4 38.2#



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: 6.091 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.06 min

Lab File: VD058229.D

Acq: 21 Jun 2018 2:13

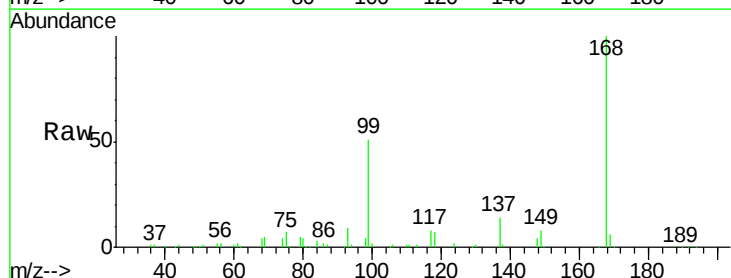
Tgt Ion: 117 Resp: 48076

Ion Ratio Lower Upper

117 100

119 0.0 78.8 118.2#

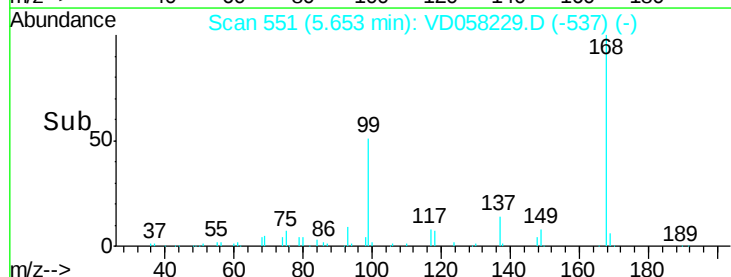
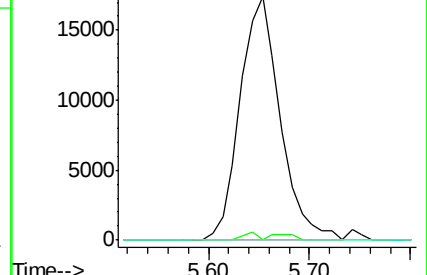
121 0.0 25.0 37.6#

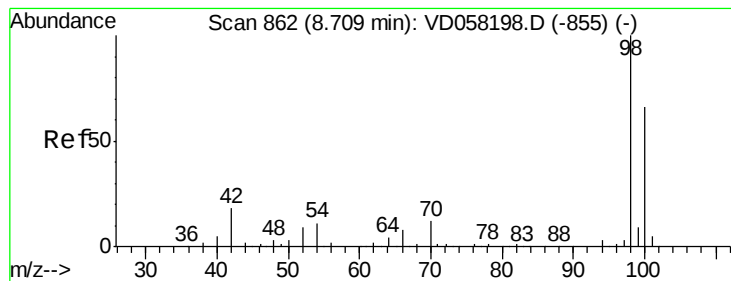


Abundance Ion 116.85 (116.55 to 117.55): VDC

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: 8.71 min Scan# 862

Delta R.T. 0.01 min

Lab File: VD058229.D

Acq: 21 Jun 2018 2:13

Instrument :

MSVOA_D

ClientSampleId :

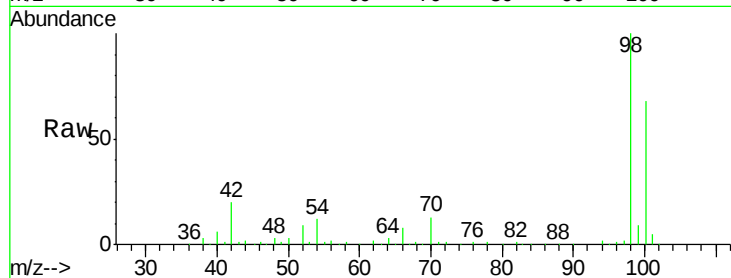
CL-02-061918-A

Tot Ion: 98 Resp: 730386

Ion Ratio Lower Upper

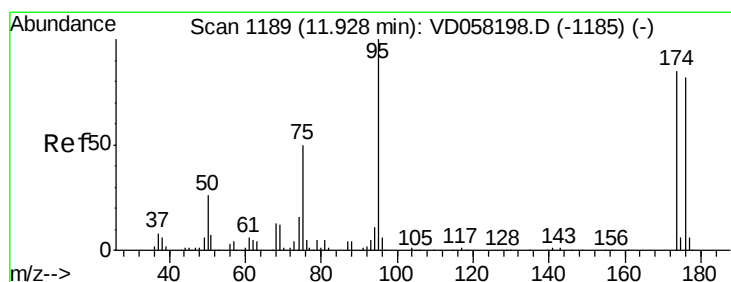
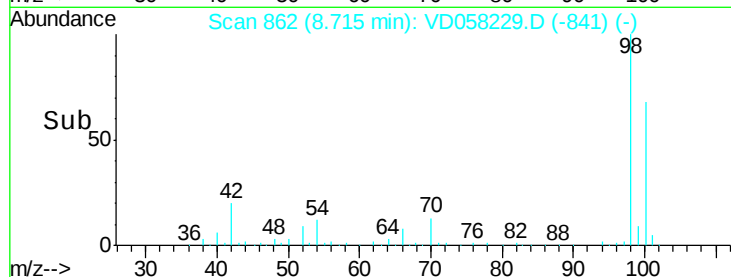
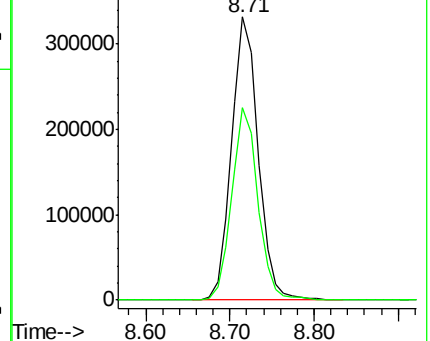
98 100

100 68.2 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD058229.D

Acq: 21 Jun 2018 2:13

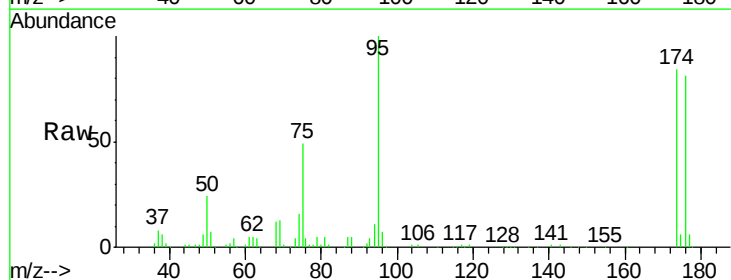
Tgt Ion: 95 Resp: 293801

Ion Ratio Lower Upper

95 100

174 84.0 0.0 170.2

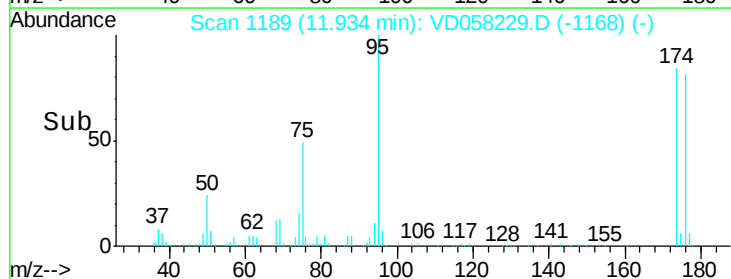
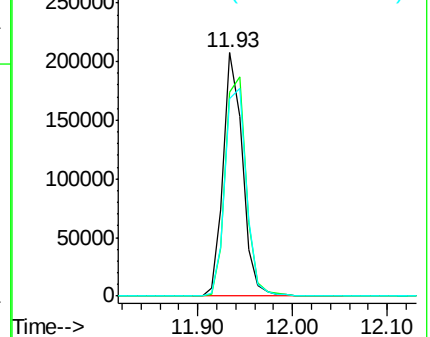
176 81.3 0.0 164.6

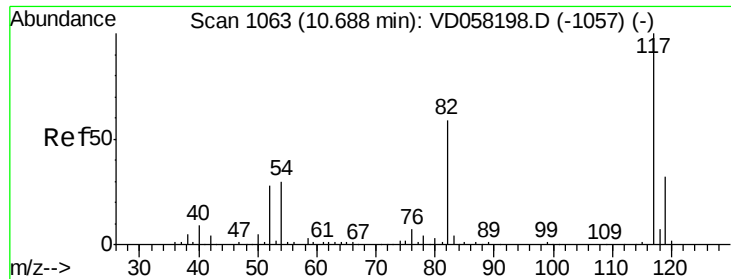


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

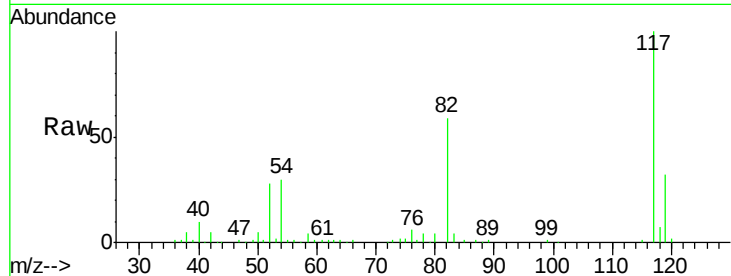




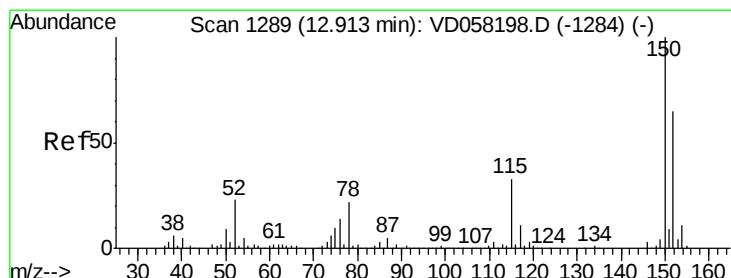
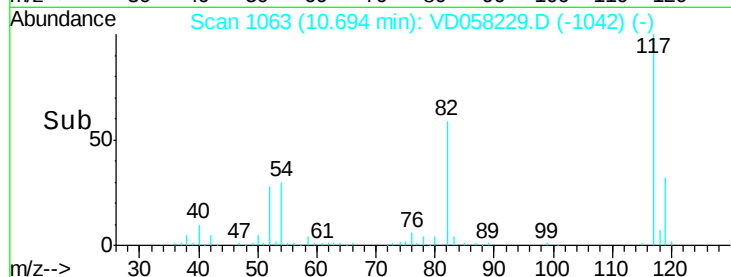
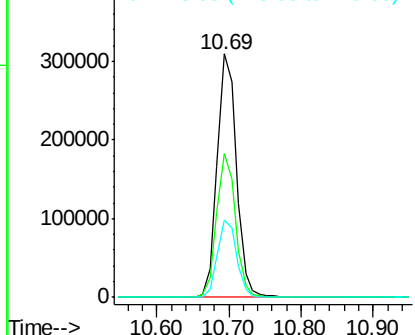
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.69 min Scan# 1063
 Delta R.T. 0.01 min
 Lab File: VD058229.D
 Acq: 21 Jun 2018 2:13

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

Tot Ion:117 Resp: 568128
 Ion Ratio Lower Upper
 117 100
 82 59.0 47.0 70.6
 119 31.7 25.3 37.9

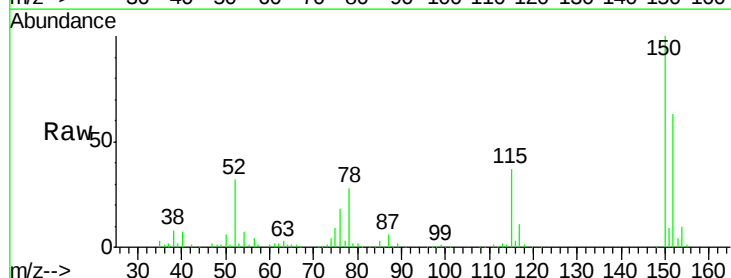


Abundance Ion 116.95 (116.65 to 117.65): V
 Ion 82.05 (81.75 to 82.75): V
 Ion 118.95 (118.65 to 119.65): V

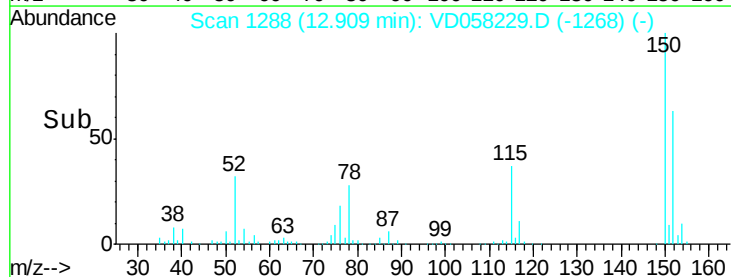
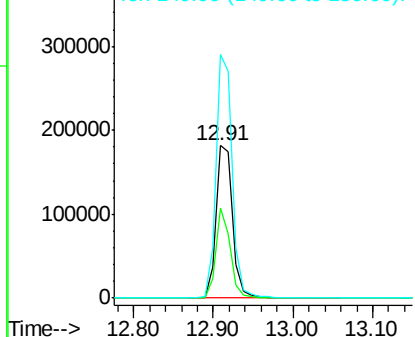


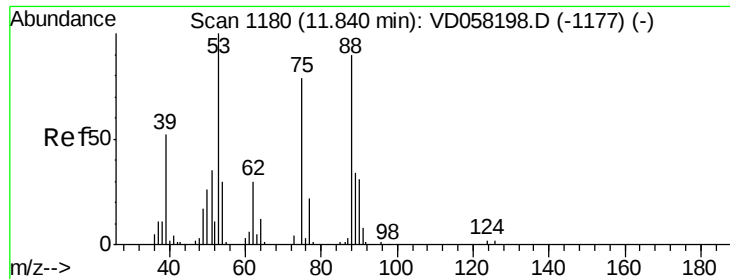
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.91 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VD058229.D
 Acq: 21 Jun 2018 2:13

Tgt Ion:152 Resp: 267334
 Ion Ratio Lower Upper
 152 100
 115 58.8 25.1 75.3
 150 159.7 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: 146.108 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058229.D

Acq: 21 Jun 2018 2:13

Instrument :

MSVOA_D

ClientSampleId :

CL-02-061918-A

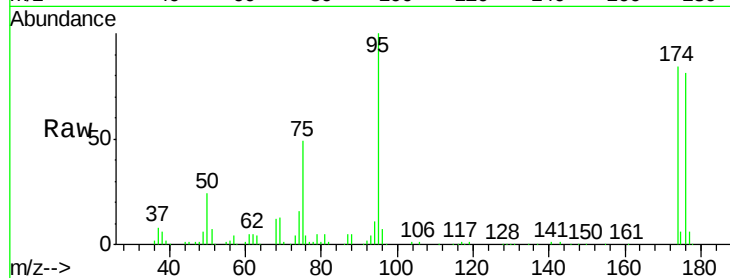
Tot Ion: 75 Resp: 139088

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

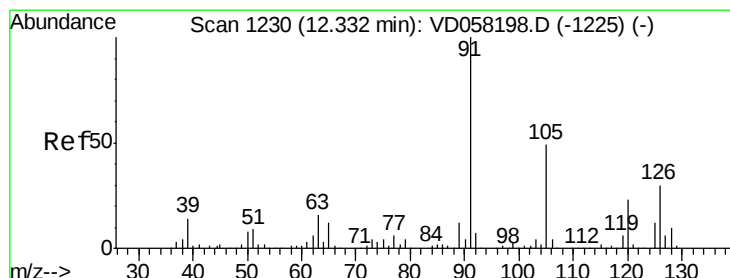
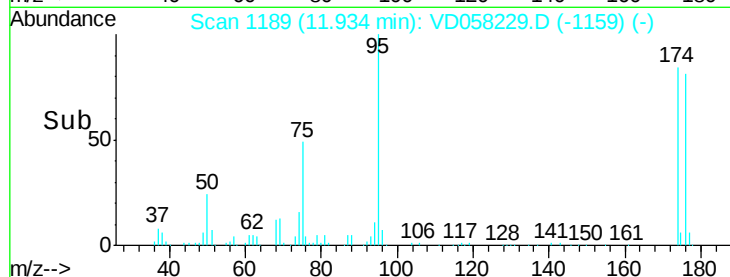
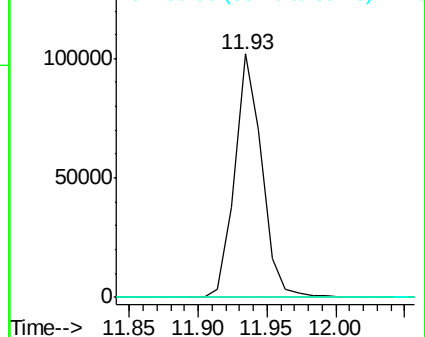
89 0.0 34.6 52.0#



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# 1229

Delta R.T. -0.00 min

Lab File: VD058229.D

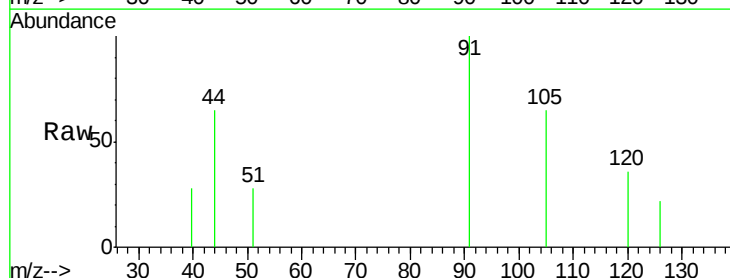
Acq: 21 Jun 2018 2:13

Tgt Ion: 91 Resp: 1785

Ion Ratio Lower Upper

91 100

126 22.4 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

