

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\
 Data File : VD058237.D
 Acq On : 21 Jun 2018 5:59
 Operator : VA/AP
 Sample : J3603-05
 Misc : 6.37g/5ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-TP-3

Quant Time: Jun 21 08:34:52 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	542131	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.71	114	705727	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.69	117	497943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.92	152	176283	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	296496	54.15	ug/l	0.01
Spiked Amount			Recovery	=	108.30%	
35) Dibromofluoromethane	5.56	113	256542	44.66	ug/l	0.01
Spiked Amount			Recovery	=	89.32%	
50) Toluene-d8	8.71	98	711861	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	11.93	95	221134	38.95	ug/l	0.00
Spiked Amount			Recovery	=	77.90%	

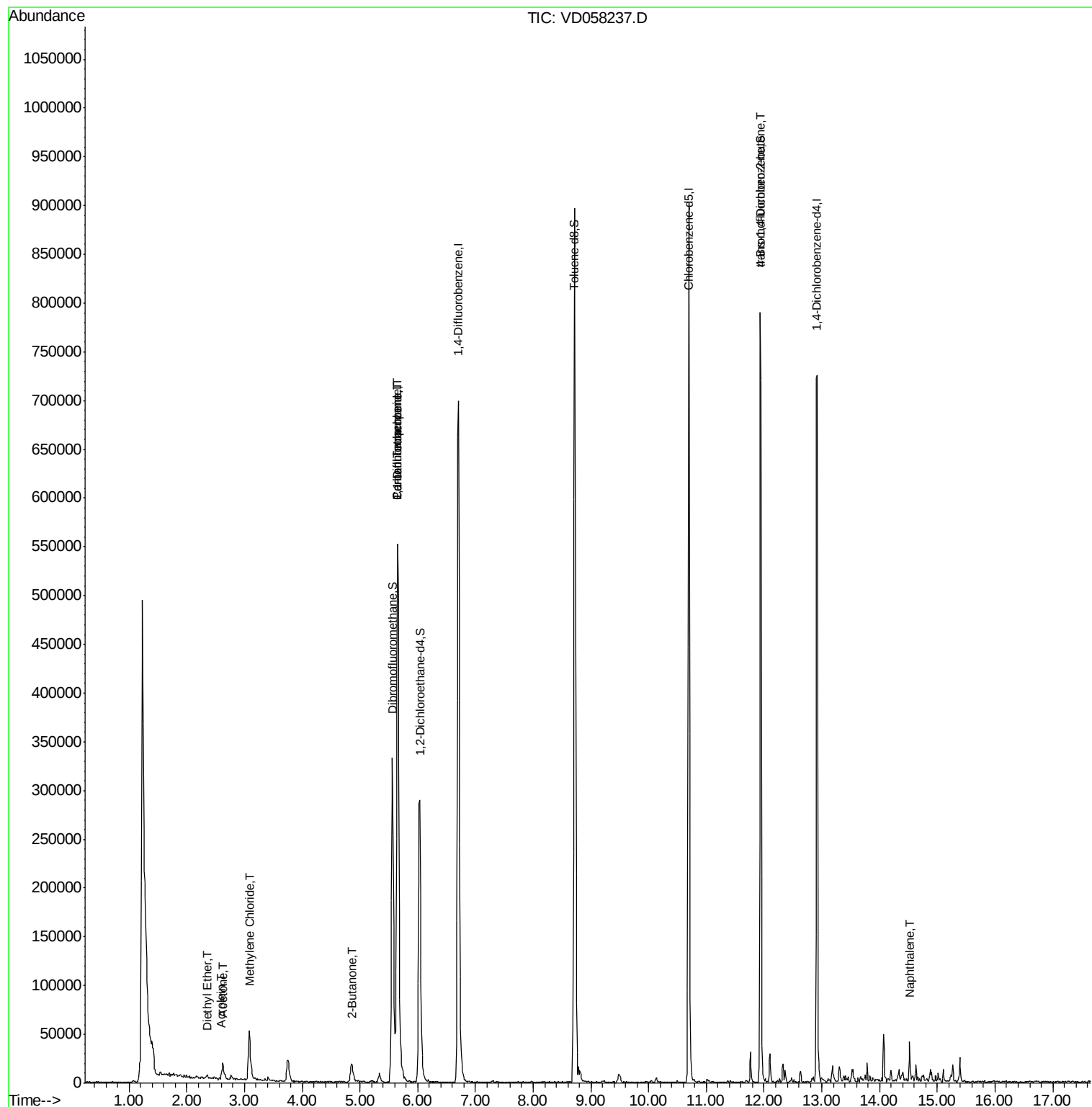
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.48	50	220	Below Cal	#	43
5) Bromomethane	1.79	94	220	Below Cal	#	3
8) Diethyl Ether	2.35	74	865	1.050	ug/l	88
13) Acrolein	2.59	56	246	2.386	ug/l #	74
16) Acetone	2.62	43	35714	47.690	ug/l	95
20) Methylene Chloride	3.08	84	26168	9.528	ug/l	98
25) 2-Butanone	4.85	43	5817	3.564	ug/l #	60
31) Cyclohexane	5.64	56	11960	Below Cal	#	1
36) 1,1-Dichloropropene	5.65	75	47023	6.735	ug/l #	48
38) Carbon Tetrachloride	5.65	117	44731	6.448	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.93	75	110701	176.352	ug/l #	1
82) 4-Chlorotoluene	12.33	91	1363	Below Cal	#	45
95) Naphthalene	14.52	128	22582	3.838	ug/l #	93

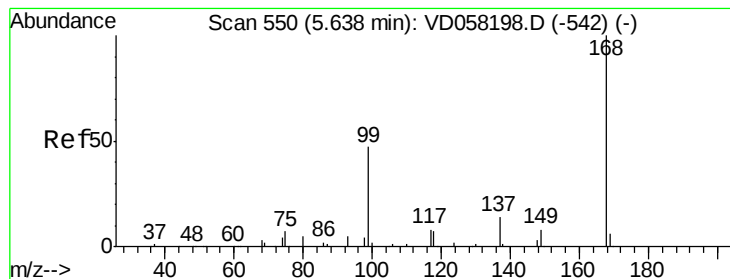
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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. 0.01 min

Lab File: VD058237.D

Acq: 21 Jun 2018 5:59

Instrument :

MSVOA_D

ClientSampleId :

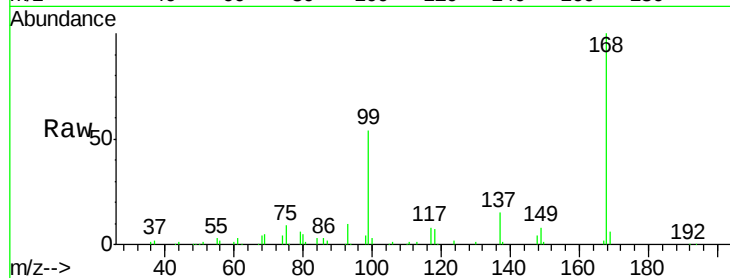
26KV-TP-3

Tot Ion:168 Resp: 542131

Ion Ratio Lower Upper

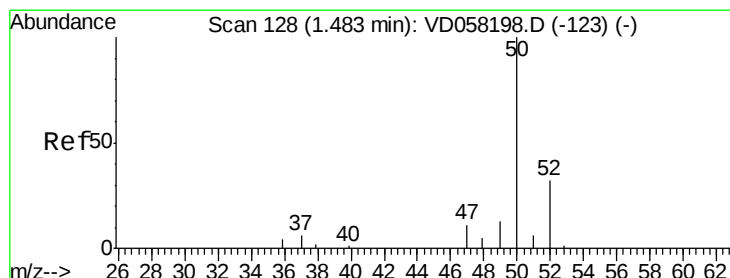
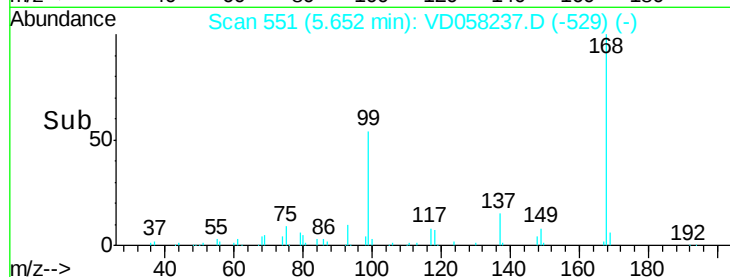
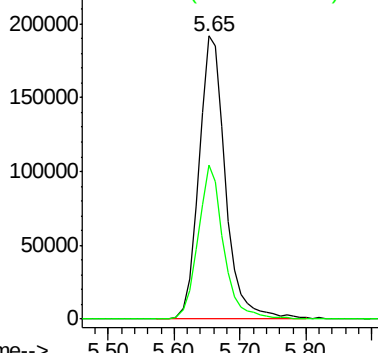
168 100

99 54.4 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: Below Cal

RT: 1.48 min Scan# 127

Delta R.T. -0.00 min

Lab File: VD058237.D

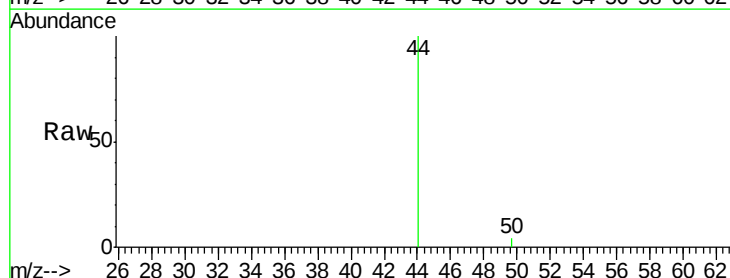
Acq: 21 Jun 2018 5:59

Tgt Ion: 50 Resp: 220

Ion Ratio Lower Upper

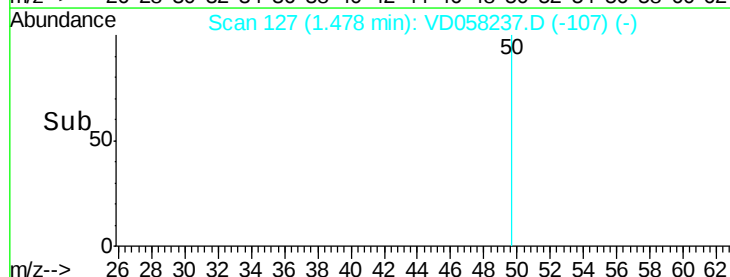
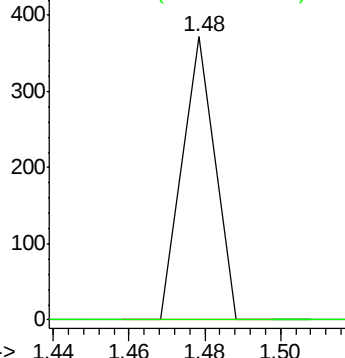
50 100

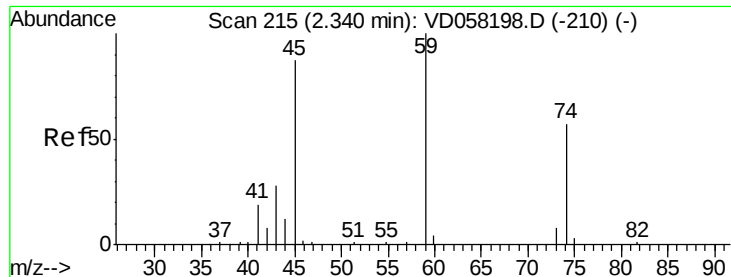
52 0.0 25.0 37.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#8

Diethyl Ether

Concen: 1.050 ug/l

RT: 2.35 min Scan# 216

Delta R.T. 0.01 min

Lab File: VD058237.D

Acq: 21 Jun 2018 5:59

Instrument :

MSVOA_D

ClientSampled :

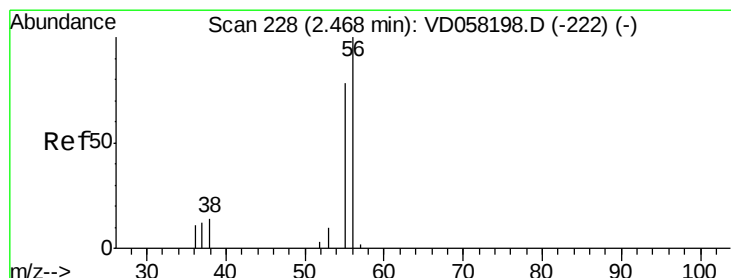
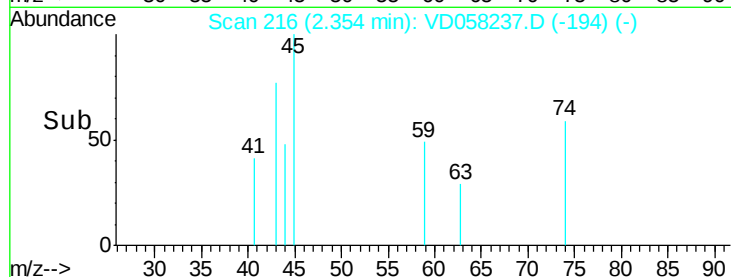
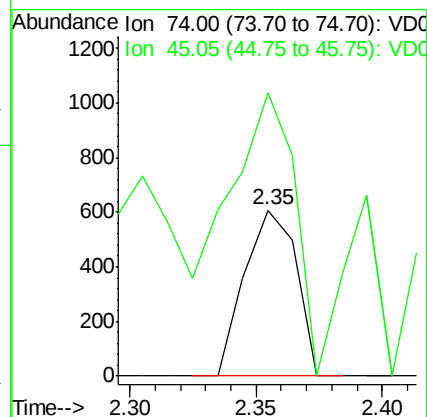
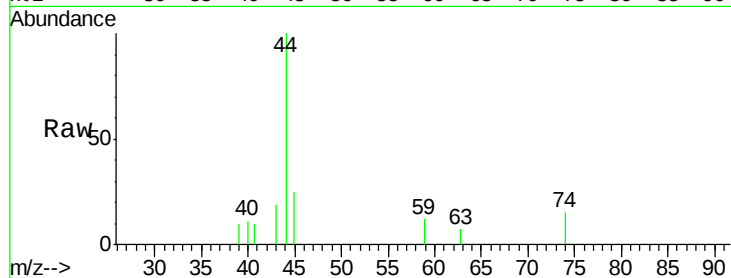
26KV-TP-3

Tot Ion: 74 Resp: 865

Ion Ratio Lower Upper

74 100

45 170.7 77.5 232.6



#13

Acrolein

Concen: 2.386 ug/l

RT: 2.59 min Scan# 240

Delta R.T. 0.12 min

Lab File: VD058237.D

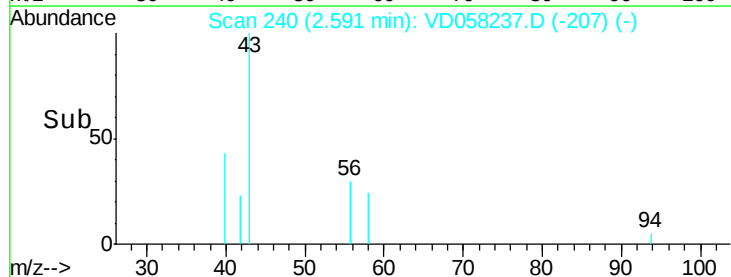
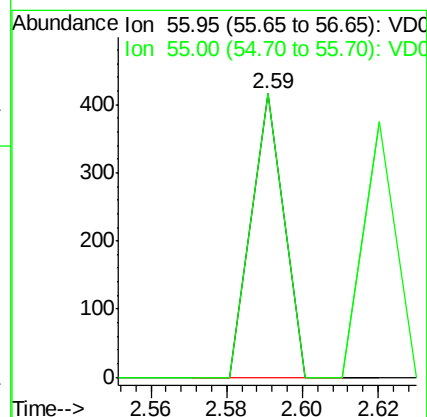
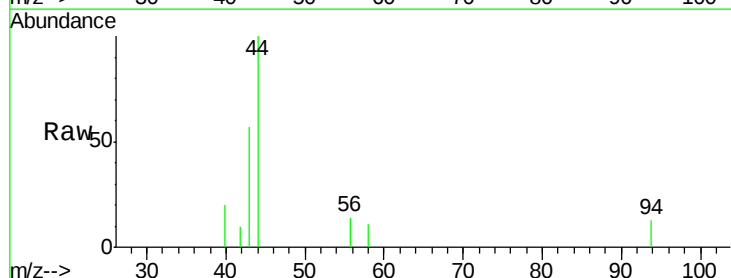
Acq: 21 Jun 2018 5:59

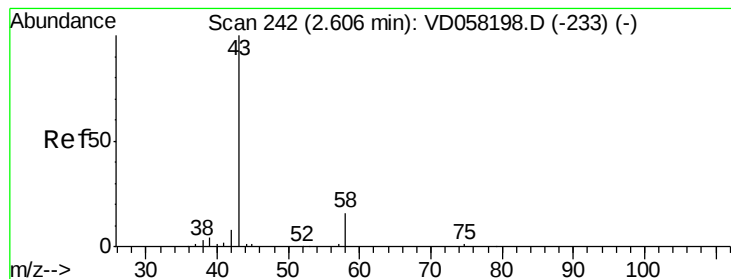
Tgt Ion: 56 Resp: 246

Ion Ratio Lower Upper

56 100

55 100.0 62.1 93.1#





#16

Acetone

Concen: 47.690 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058237.D

Acq: 21 Jun 2018 5:59

Instrument :

MSVOA_D

ClientSampleId :

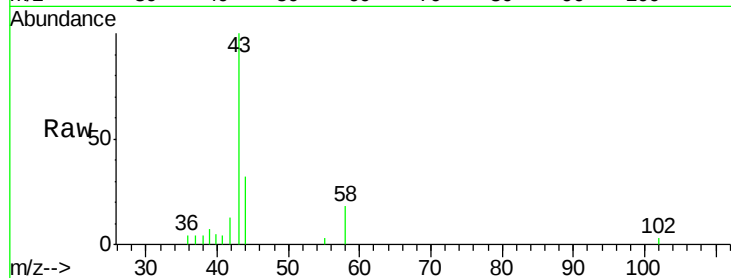
26KV-TP-3

Tot Ion: 43 Resp: 35714

Ion Ratio Lower Upper

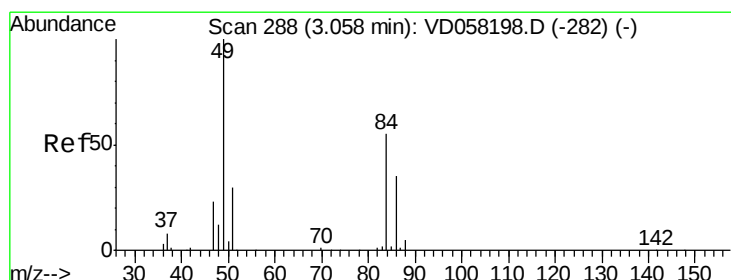
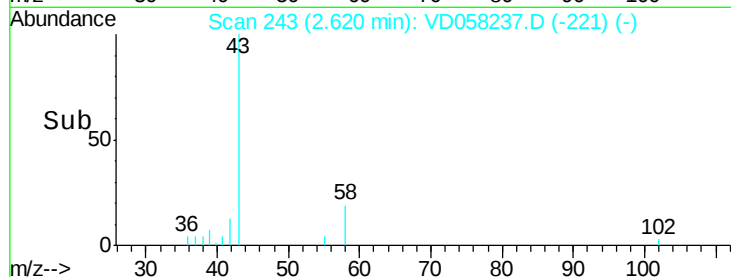
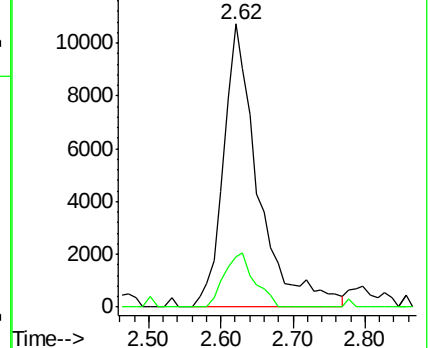
43 100

58 17.9 12.7 19.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 9.528 ug/l

RT: 3.08 min Scan# 290

Delta R.T. 0.02 min

Lab File: VD058237.D

Acq: 21 Jun 2018 5:59

Tgt Ion: 84 Resp: 26168

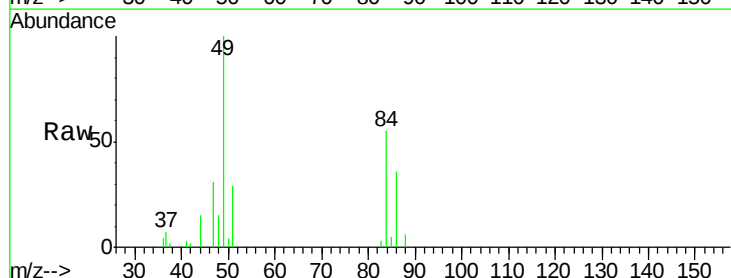
Ion Ratio Lower Upper

84 100

49 182.7 145.0 217.6

51 53.3 42.9 64.3

86 66.1 50.1 75.1

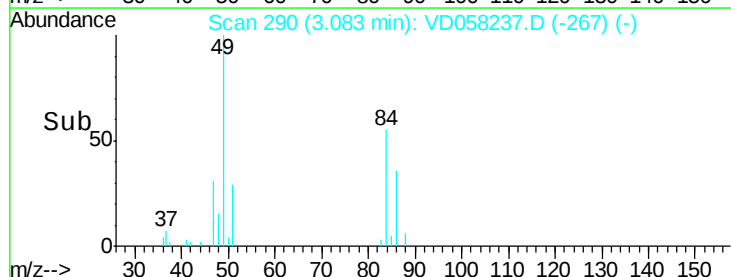
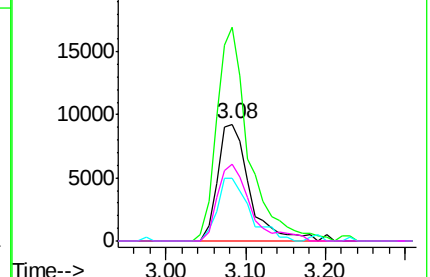


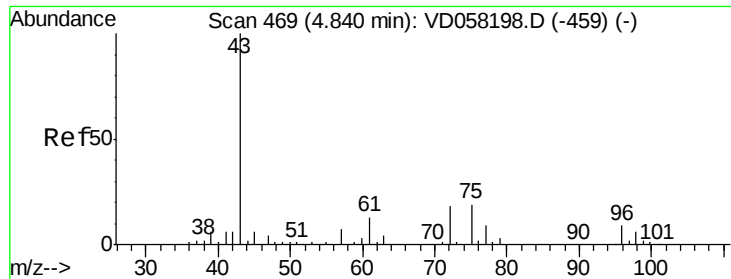
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 3.564 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD058237.D

Acq: 21 Jun 2018 5:59

Instrument :

MSVOA_D

ClientSampleId :

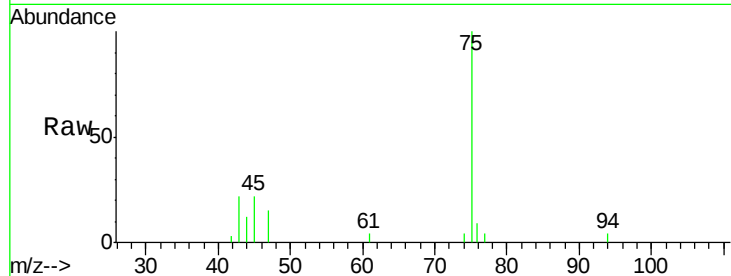
26KV-TP-3

Tot Ion: 43 Resp: 5817

Ion Ratio Lower Upper

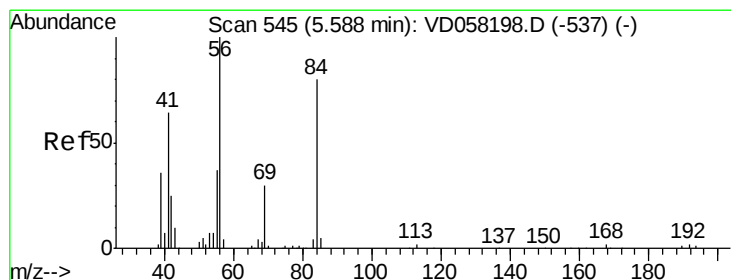
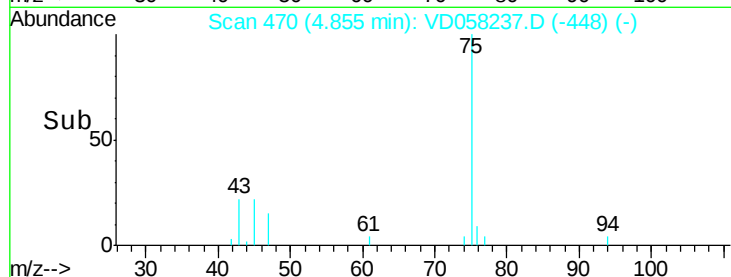
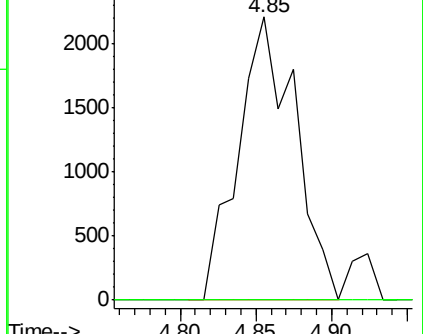
43 100

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



#31

Cyclohexane

Concen: Below Cal

RT: 5.64 min Scan# 550

Delta R.T. 0.05 min

Lab File: VD058237.D

Acq: 21 Jun 2018 5:59

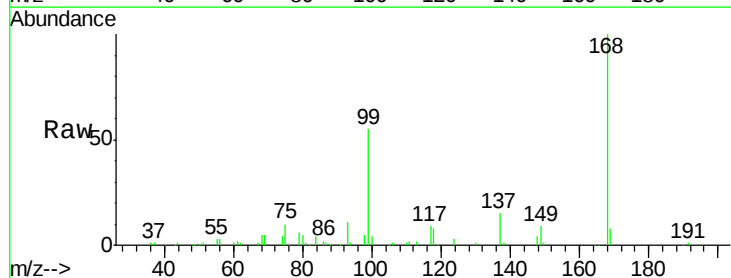
Tgt Ion: 56 Resp: 11960

Ion Ratio Lower Upper

56 100

69 170.9 23.6 35.4#

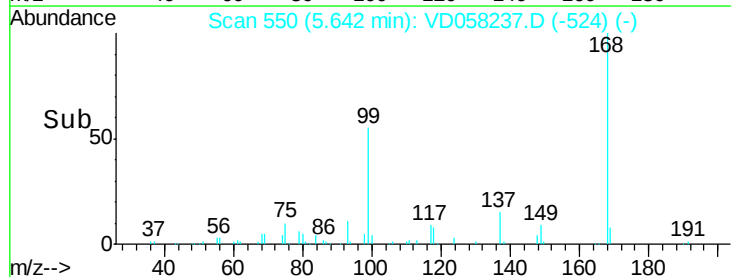
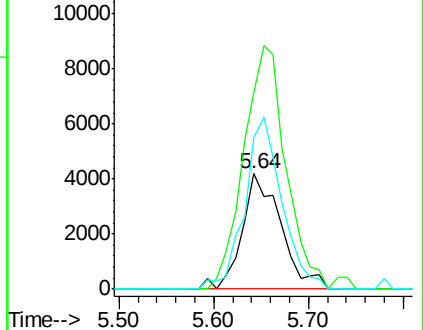
84 131.6 65.2 97.8#

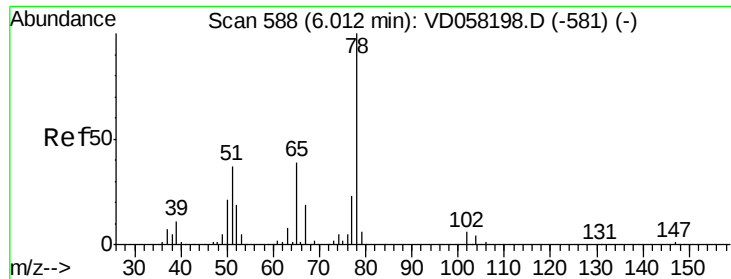


Abundance Ion 55.95 (55.65 to 56.65): VDC

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. 0.01 min

Lab File: VD058237.D

Acq: 21 Jun 2018 5:59

Instrument :

MSVOA_D

ClientSampleId :

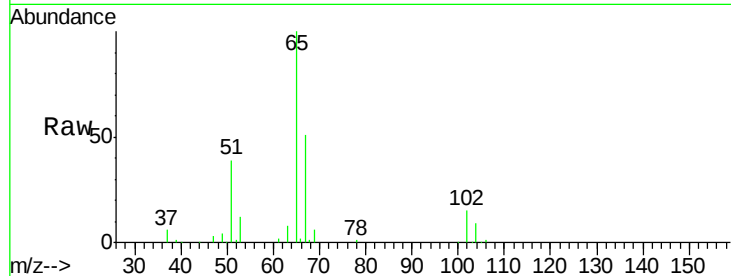
26KV-TP-3

Tot Ion: 65 Resp: 296496

Ion Ratio Lower Upper

65 100

67 50.9 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.03

120000

100000

80000

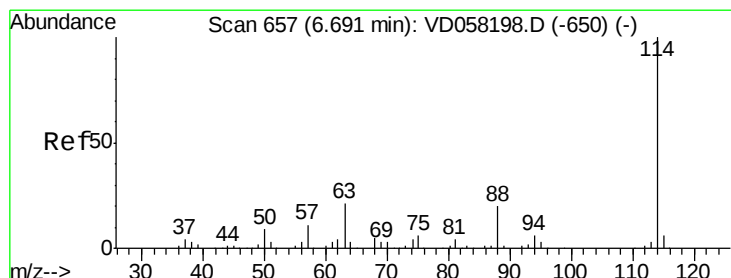
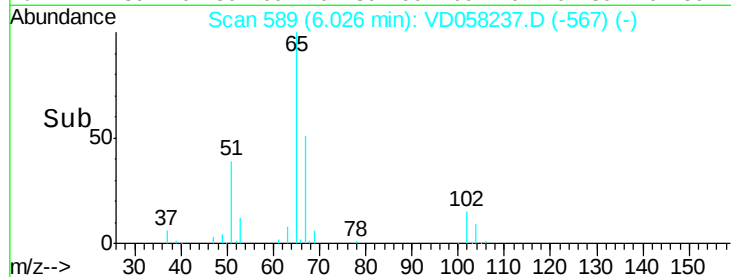
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.71 min Scan# 658

Delta R.T. 0.01 min

Lab File: VD058237.D

Acq: 21 Jun 2018 5:59

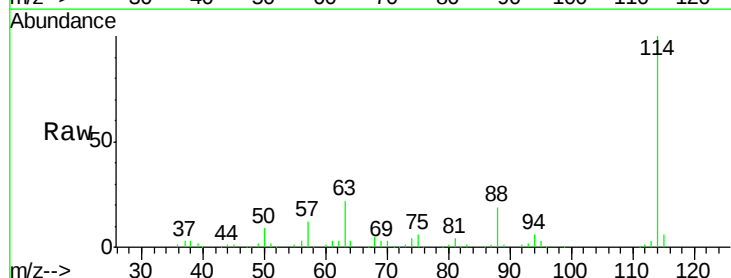
Tgt Ion: 114 Resp: 705727

Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.6

88 18.6 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

6.71

400000

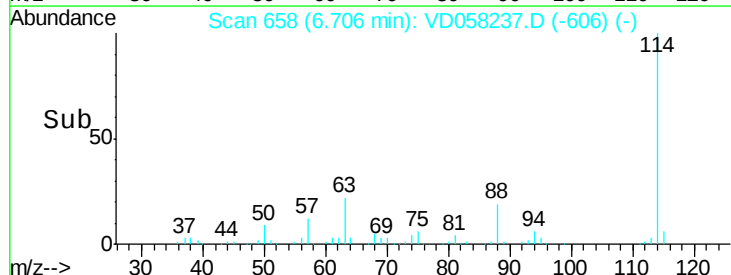
300000

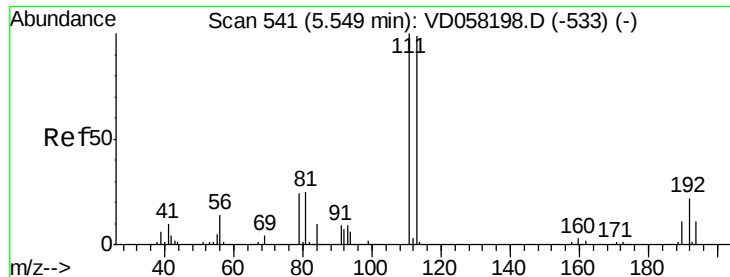
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.01 min

Lab File: VD058237.D

Acq: 21 Jun 2018 5:59

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-3

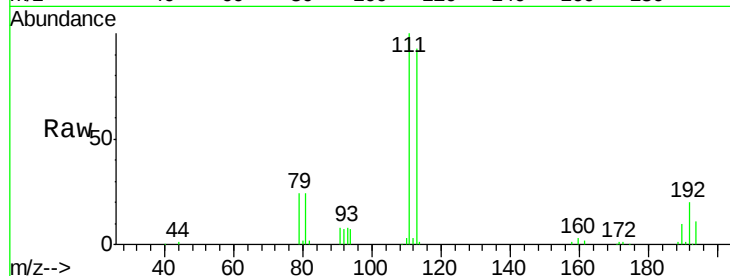
Tot Ion:113 Resp: 256542

Ion Ratio Lower Upper

113 100

111 107.8 80.6 121.0

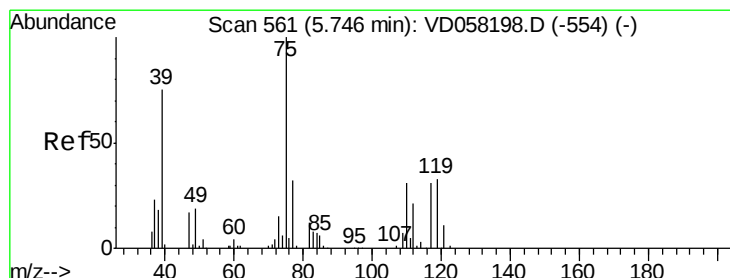
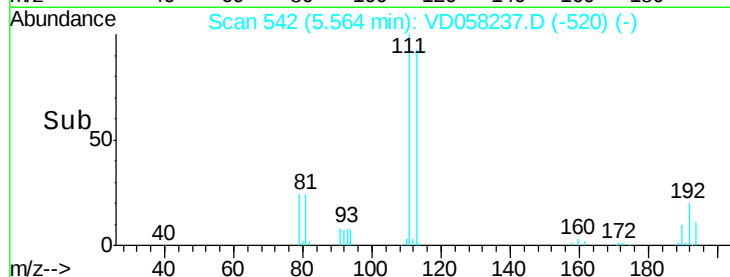
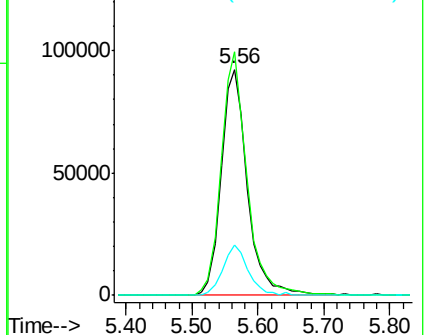
192 22.1 17.8 26.6



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: 6.735 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.09 min

Lab File: VD058237.D

Acq: 21 Jun 2018 5:59

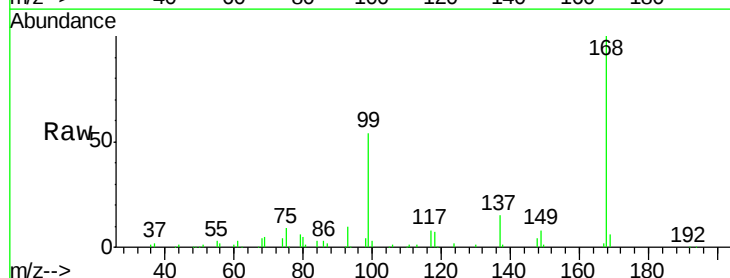
Tgt Ion: 75 Resp: 47023

Ion Ratio Lower Upper

75 100

110 5.3 15.4 46.4#

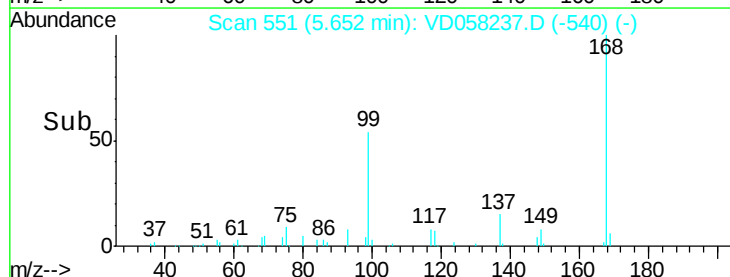
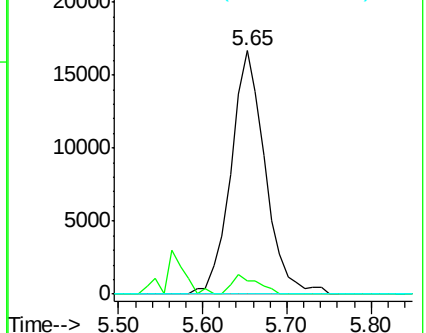
77 0.0 25.4 38.2#

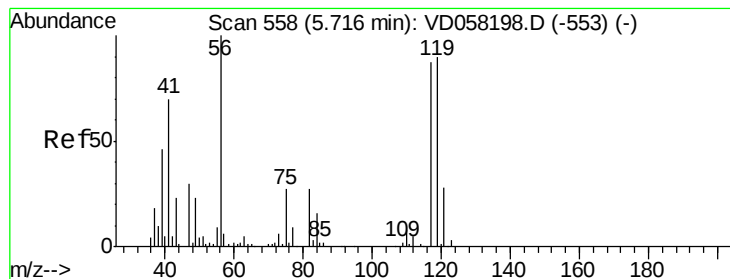


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 6.448 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.06 min

Lab File: VD058237.D

Acq: 21 Jun 2018 5:59

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-3

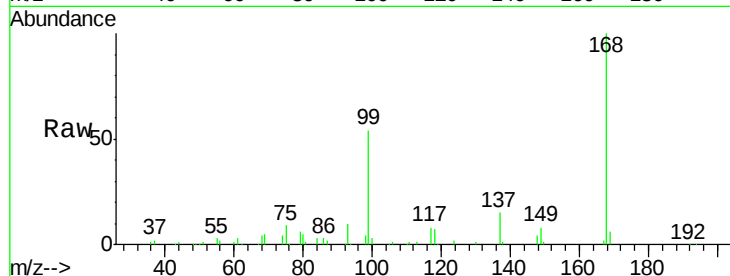
Tot Ion:117 Resp: 44731

Ion Ratio Lower Upper

117 100

119 5.5 78.8 118.2#

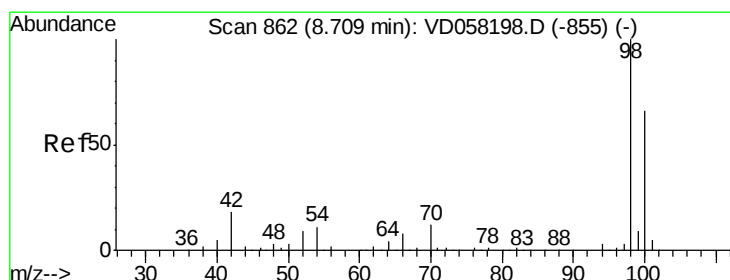
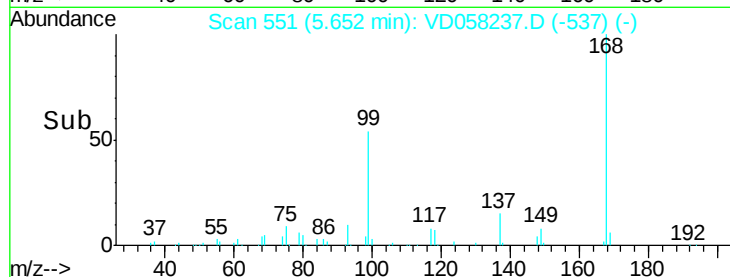
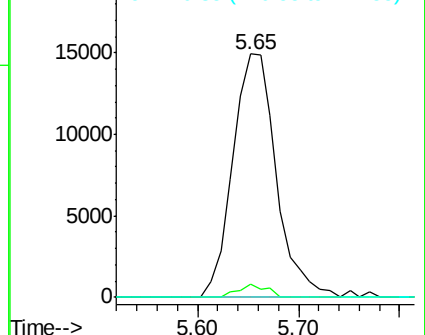
121 0.0 25.0 37.6#



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: 8.71 min Scan# 862

Delta R.T. 0.00 min

Lab File: VD058237.D

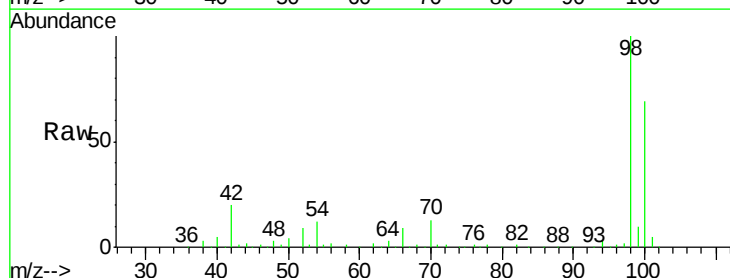
Acq: 21 Jun 2018 5:59

Tgt Ion: 98 Resp: 711861

Ion Ratio Lower Upper

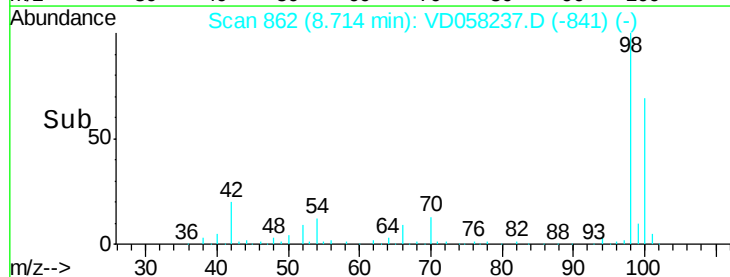
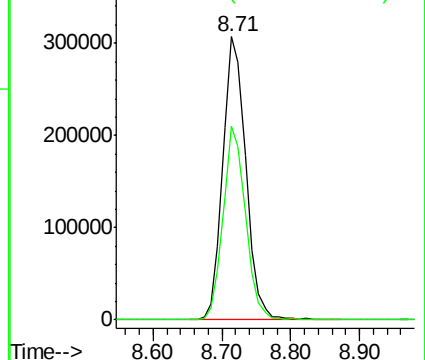
98 100

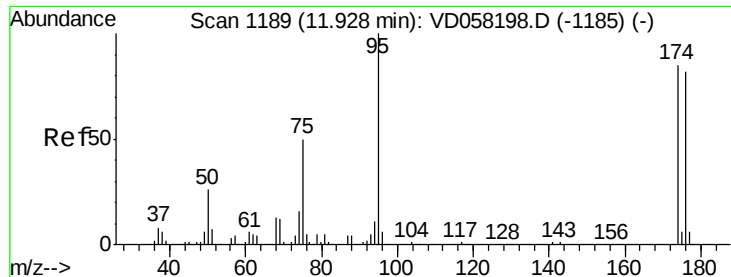
100 68.6 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

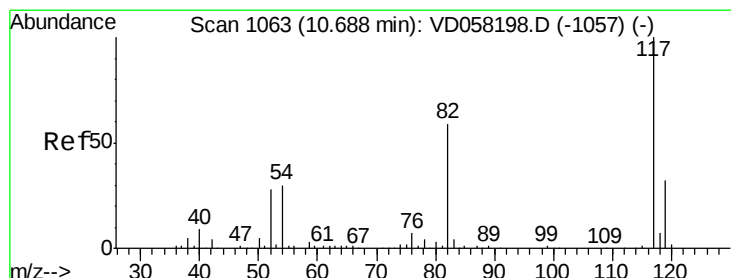
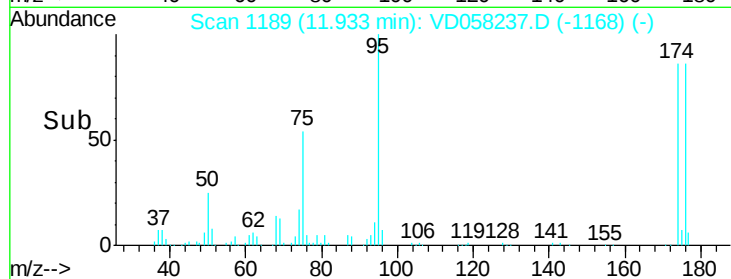
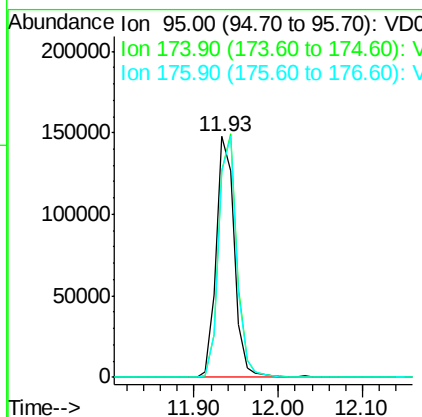
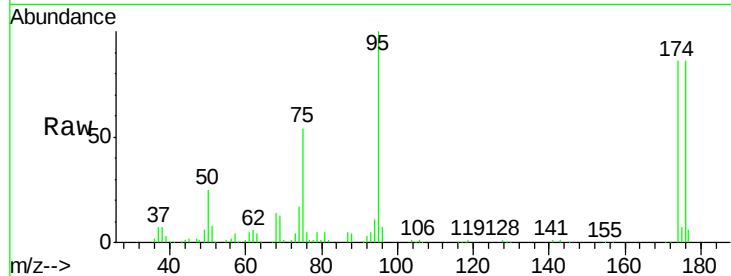




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VD058237.D
Acq: 21 Jun 2018 5:59

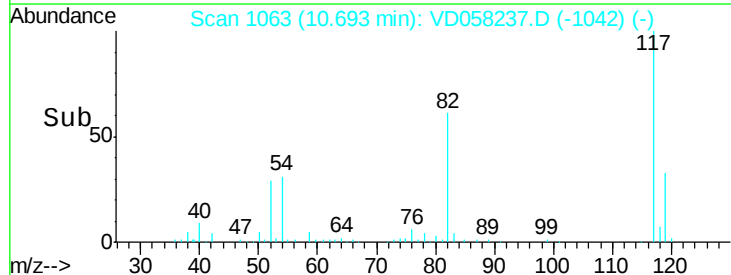
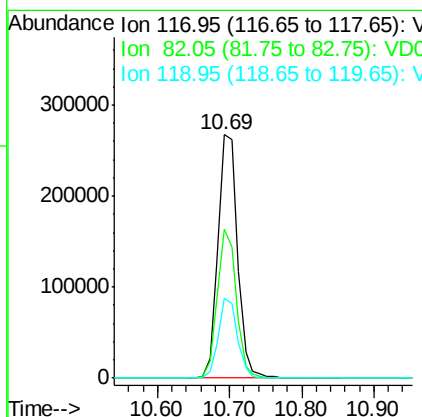
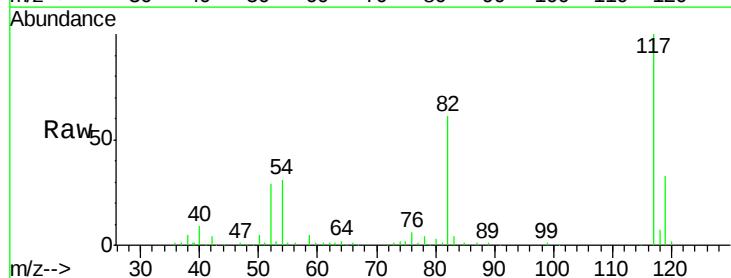
Instrument :
MSVOA_D
ClientSampleId :
26KV-TP-3

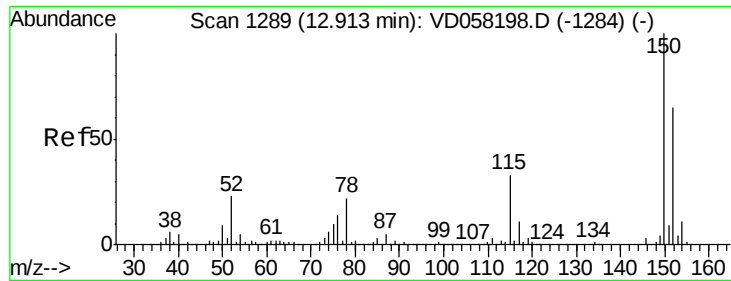
Tot Ion: 95 Resp: 221134
Ion Ratio Lower Upper
95 100
174 85.9 0.0 170.2
176 85.6 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058237.D
Acq: 21 Jun 2018 5:59

Tgt Ion: 117 Resp: 497943
Ion Ratio Lower Upper
117 100
82 61.0 47.0 70.6
119 32.5 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD058237.D

Acq: 21 Jun 2018 5:59

Instrument :

MSVOA_D

ClientSampleId :

26KV-TP-3

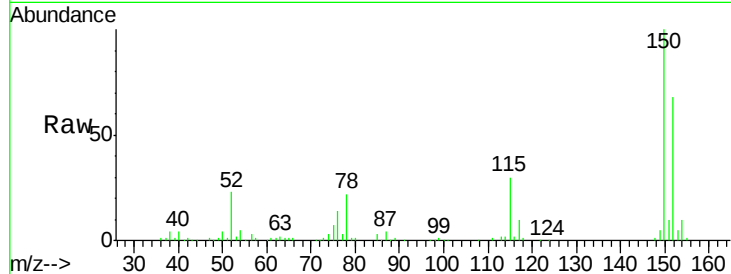
Tot Ion:152 Resp: 176283

Ion Ratio Lower Upper

152 100

115 43.8 25.1 75.3

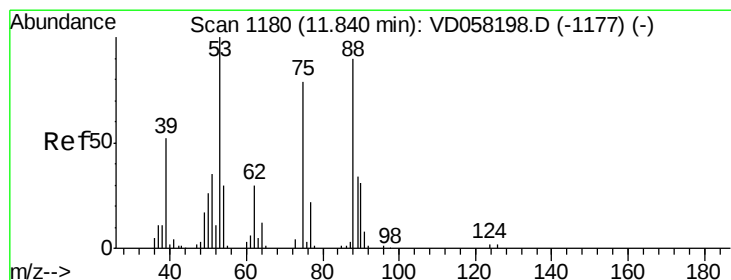
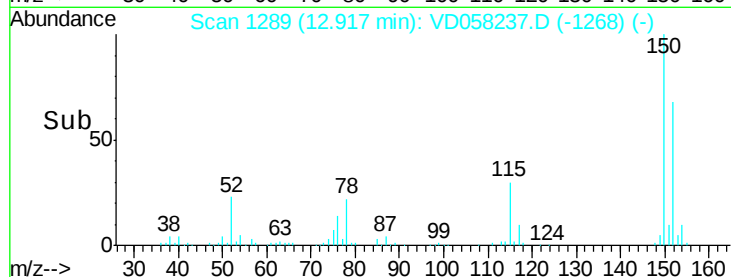
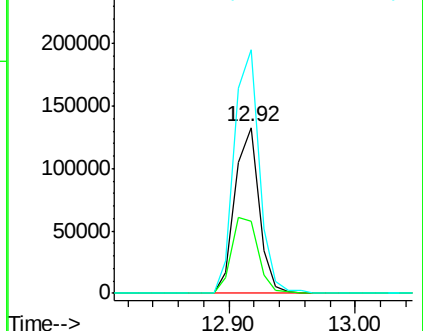
150 147.1 0.0 308.8



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: 176.352 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058237.D

Acq: 21 Jun 2018 5:59

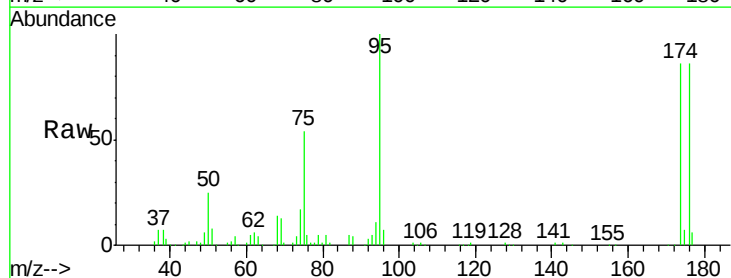
Tgt Ion: 75 Resp: 110701

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

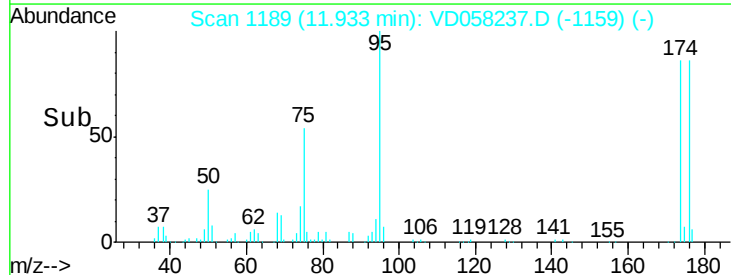
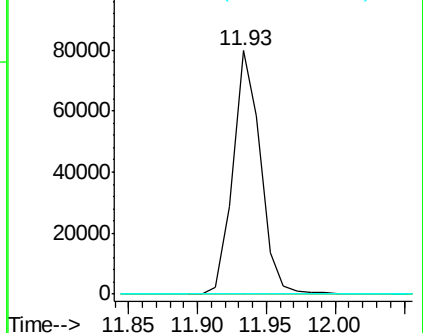
89 0.0 34.6 52.0#

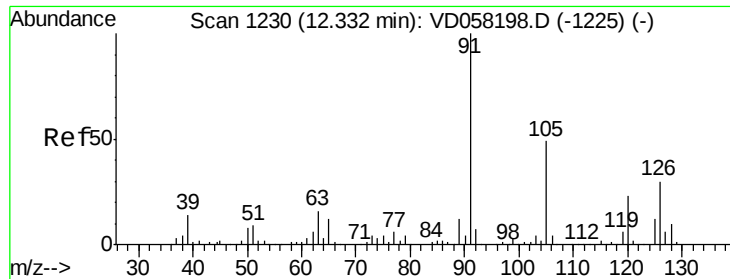


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

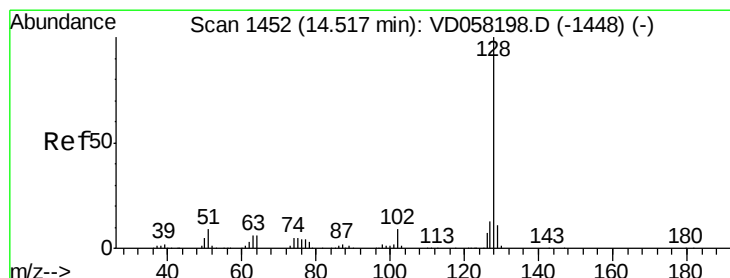
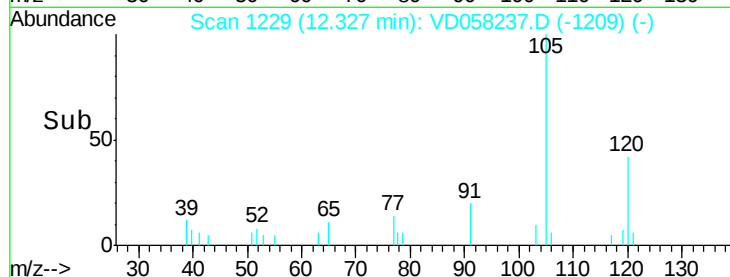
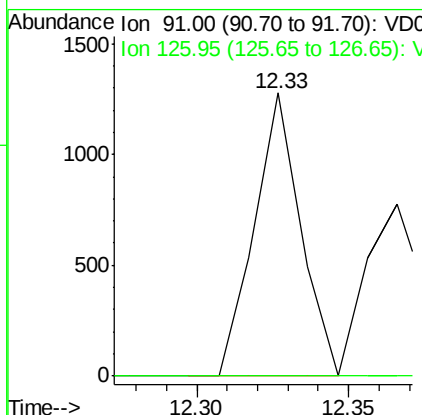
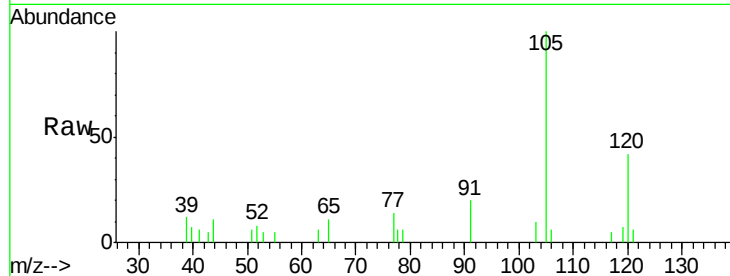




#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 12.33 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD058237.D
 Acq: 21 Jun 2018 5:59

Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-TP-3

Tot Ion: 91 Resp: 1363
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.9 44.9#



#95
 Naphthalene
 Concen: 3.838 ug/l
 RT: 14.52 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VD058237.D
 Acq: 21 Jun 2018 5:59

Tgt Ion: 128 Resp: 22582
 Ion Ratio Lower Upper
 128 100
 127 13.9 10.0 15.0
 129 7.1 8.7 13.1#

