

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD091718\
 Data File : VD060033.D
 Acq On : 17 Sep 2018 20:48
 Operator : JC/SY
 Sample : J4929-09RE
 Misc : 6.27g/5ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-PIT-11

Quant Time: Sep 18 04:41:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	79744	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.45	114	133853	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	118065	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.38	152	59821	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	52051	83.70	ug/l	0.02
Spiked Amount			Recovery	=	167.40%	
35) Dibromofluoromethane	6.33	113	49644	47.47	ug/l	0.02
Spiked Amount			Recovery	=	94.94%	
50) Toluene-d8	9.45	98	100694	34.74	ug/l	0.01
Spiked Amount			Recovery	=	69.48%	
62) 4-Bromofluorobenzene	12.43	95	42596	38.47	ug/l	0.01
Spiked Amount			Recovery	=	76.94%	

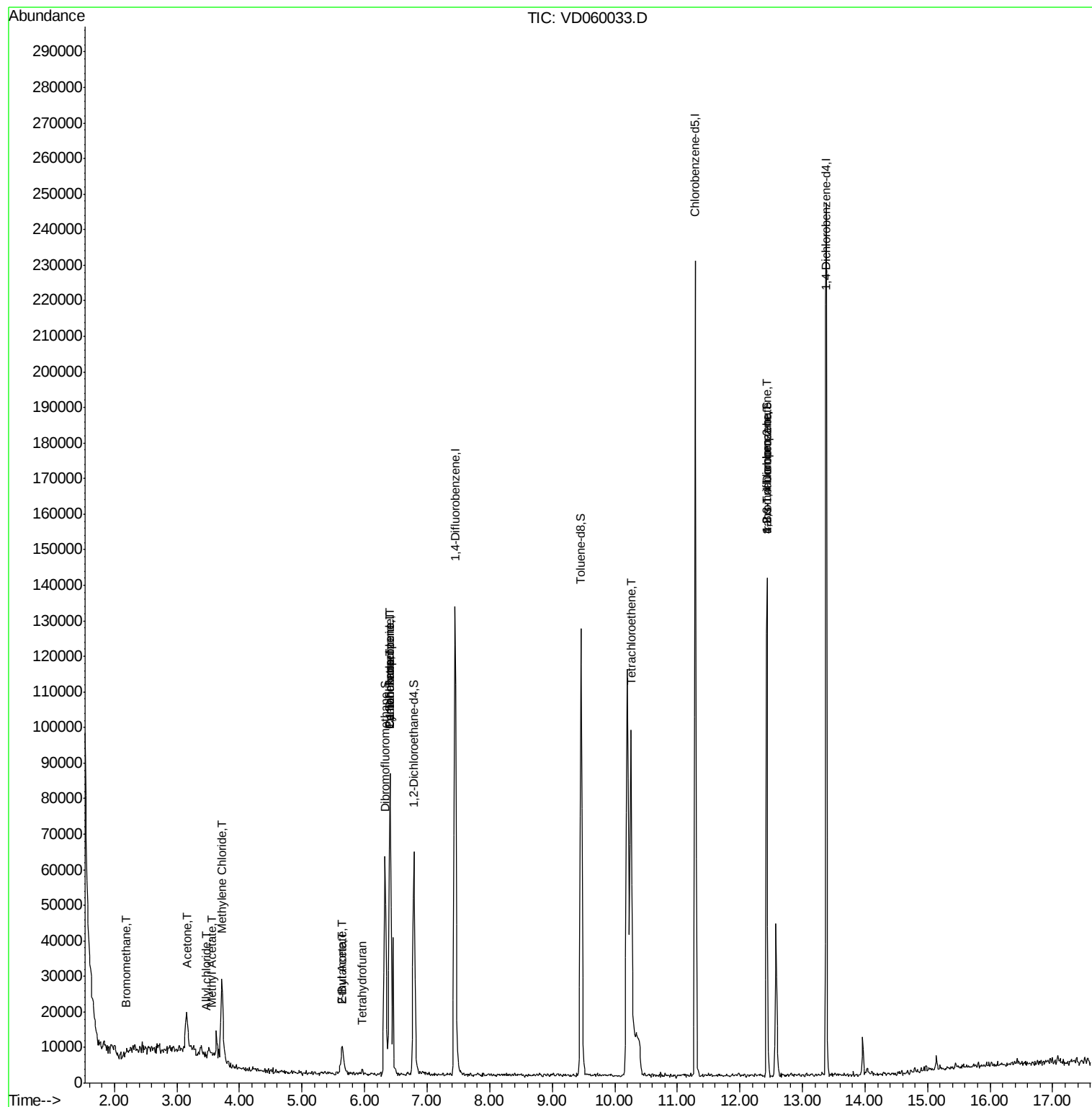
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	188	2.657	ug/l #	1
14) Allyl chloride	3.47	41	820	1.185	ug/l #	77
16) Acetone	3.15	43	25988	216.450	ug/l #	87
18) Methyl Acetate	3.56	43	1339	5.484	ug/l #	64
20) Methylene Chloride	3.72	84	13642	10.236	ug/l #	87
25) 2-Butanone	5.63	43	4104	12.667	ug/l #	61
29) Tetrahydrofuran	5.96	42	909	5.232	ug/l #	41
31) Cyclohexane	6.40	56	1691	1.224	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	6603	4.966	ug/l #	40
37) Ethyl Acetate	5.63	43	4104	4.488	ug/l #	72
38) Carbon Tetrachloride	6.40	117	5950	4.794	ug/l #	12
51) 4-Methyl-2-Pentanone	9.34	43	198	Below Cal	#	42
59) 2-Hexanone	10.48	43	185	Below Cal	#	30
64) Tetrachloroethene	10.26	164	23415	22.478	ug/l	94
76) 1,2,3-Trichloropropane	12.43	75	17780	19.461	ug/l #	42
81) trans-1,4-Dichloro-2-buten	12.43	75	17779	64.465	ug/l #	15
91) 1,2-Dichlorobenzene	13.67	146	246	Below Cal	#	25

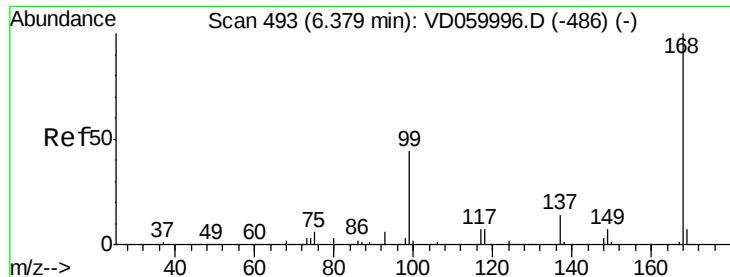
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD091718\
Data File : VD060033.D
Acq On : 17 Sep 2018 20:48
Operator : JC/SY
Sample : J4929-09RE
Misc : 6.27g/5ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SP-PIT-11

Quant Time: Sep 18 04:41:41 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060033.D

Acq: 17 Sep 2018 20:48

Instrument :

MSVOA_D

ClientSampleId :

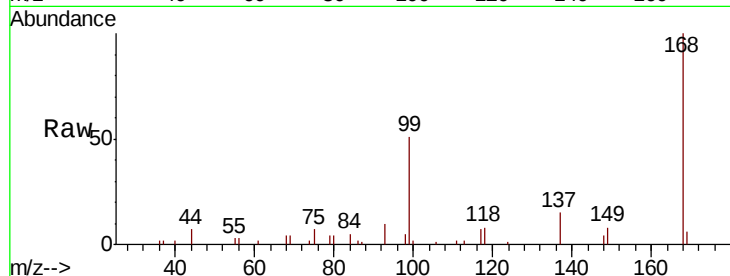
SP-PIT-11

Tgt Ion:168 Resp: 79744

Ion Ratio Lower Upper

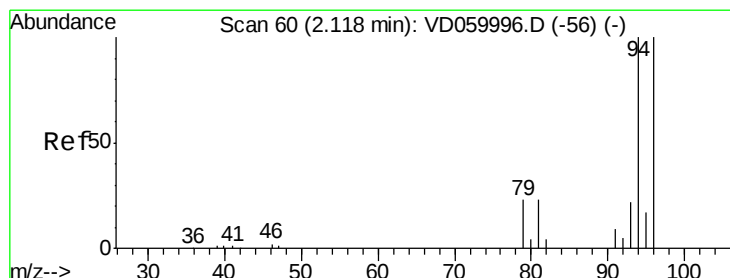
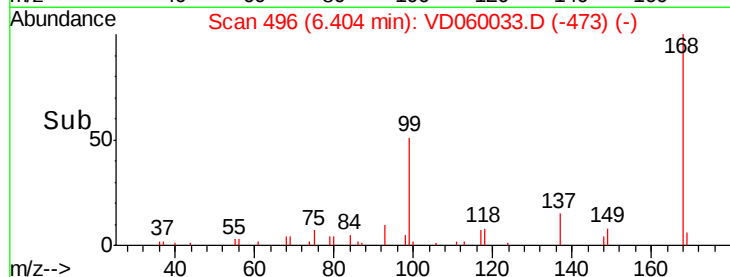
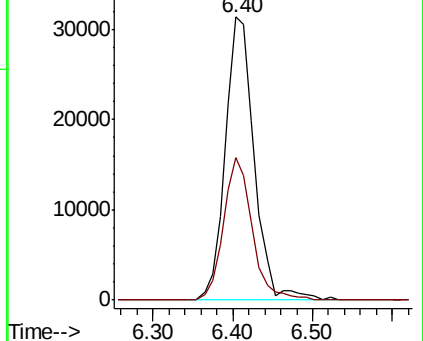
168 100

99 50.5 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 2.657 ug/l

RT: 2.18 min Scan# 67

Delta R.T. 0.06 min

Lab File: VD060033.D

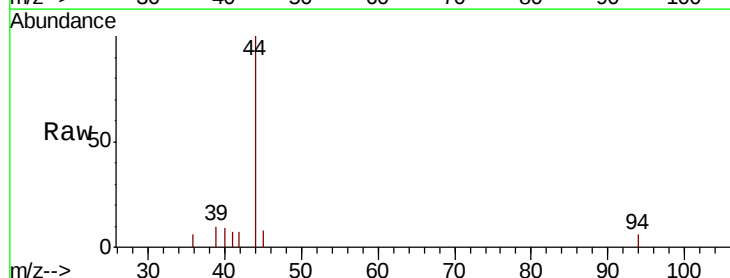
Acq: 17 Sep 2018 20:48

Tgt Ion: 94 Resp: 188

Ion Ratio Lower Upper

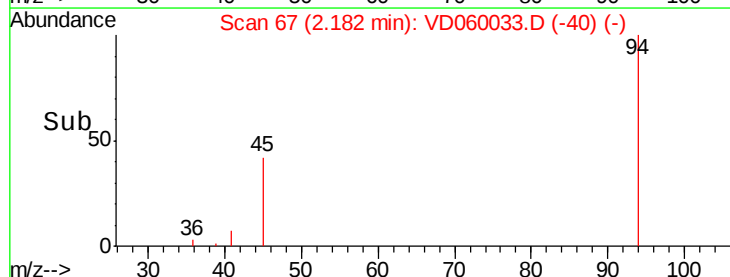
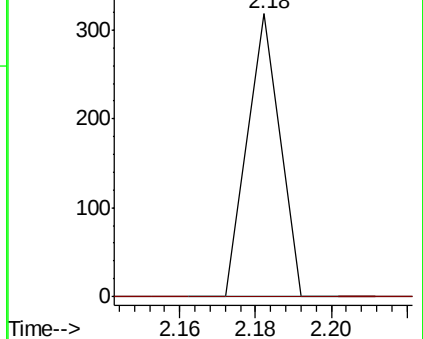
94 100

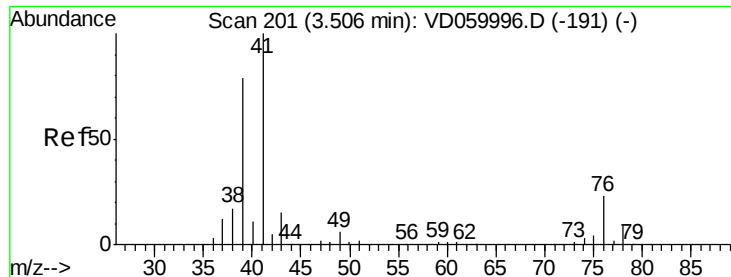
96 0.0 79.8 119.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

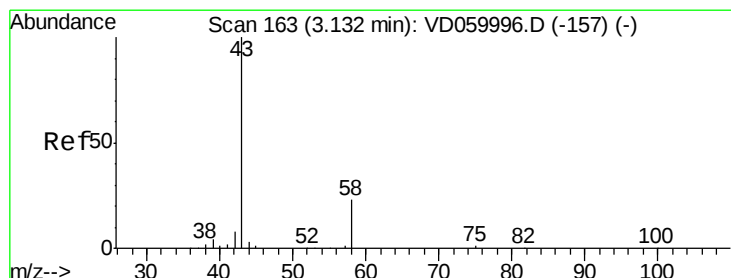
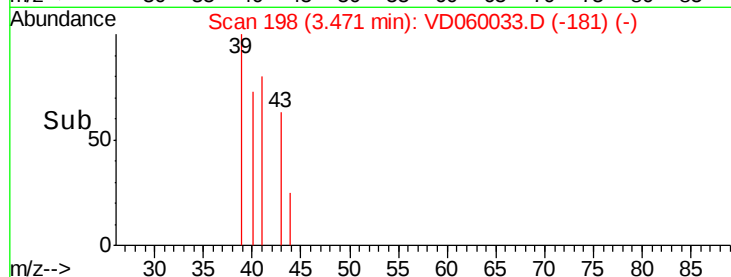
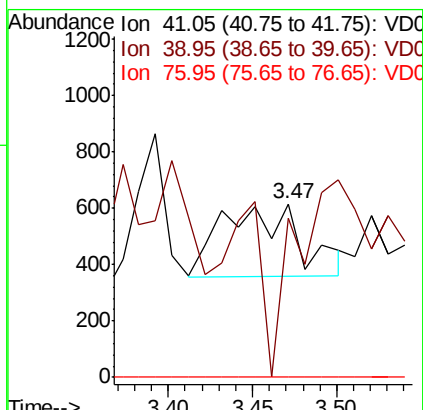
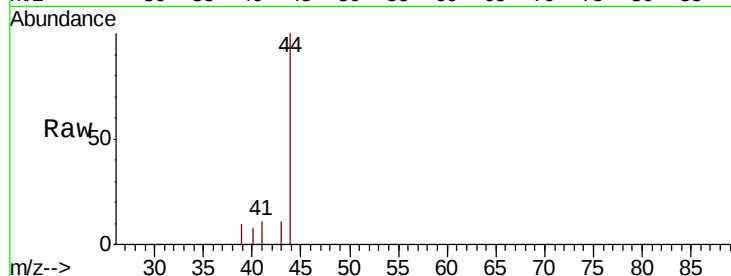




#14
 Allyl chloride
 Concen: 1.185 ug/l
 RT: 3.47 min Scan# 198
 Delta R.T. -0.03 min
 Lab File: VD060033.D
 Acq: 17 Sep 2018 20:48

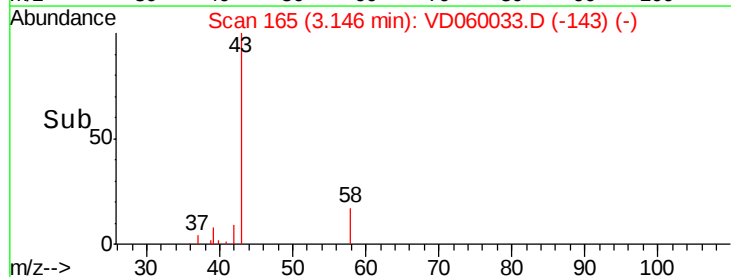
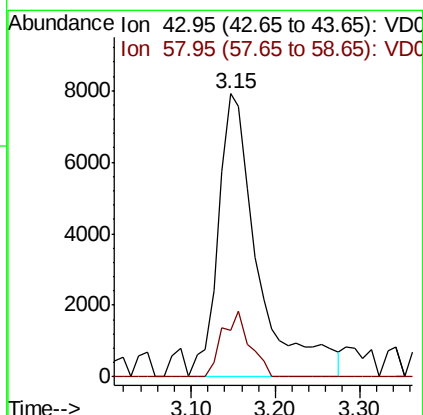
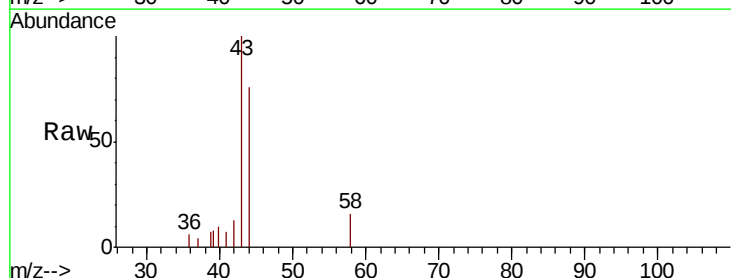
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-PIT-11

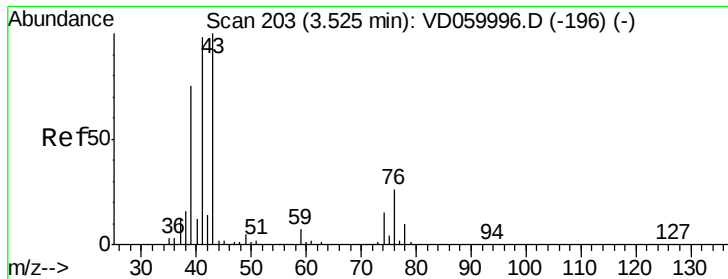
Tgt Ion: 41 Resp: 820
 Ion Ratio Lower Upper
 41 100
 39 91.6 63.6 95.4
 76 0.0 21.1 31.7#



#16
 Acetone
 Concen: 216.450 ug/l
 RT: 3.15 min Scan# 165
 Delta R.T. 0.01 min
 Lab File: VD060033.D
 Acq: 17 Sep 2018 20:48

Tgt Ion: 43 Resp: 25988
 Ion Ratio Lower Upper
 43 100
 58 16.4 18.1 27.1#

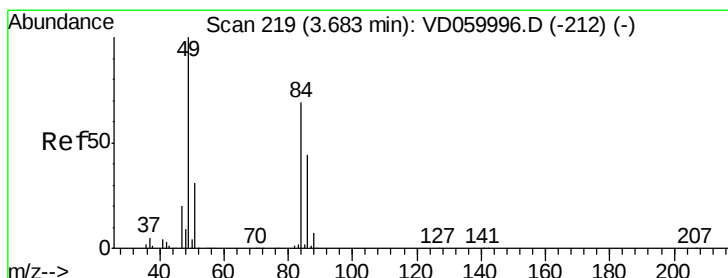
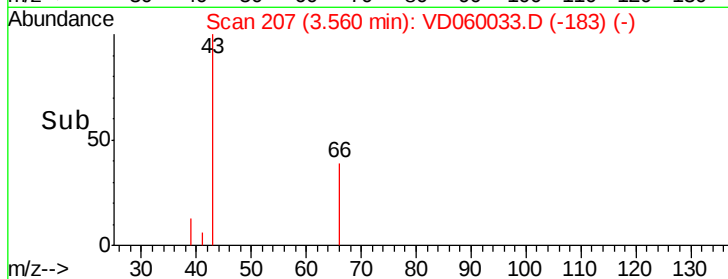
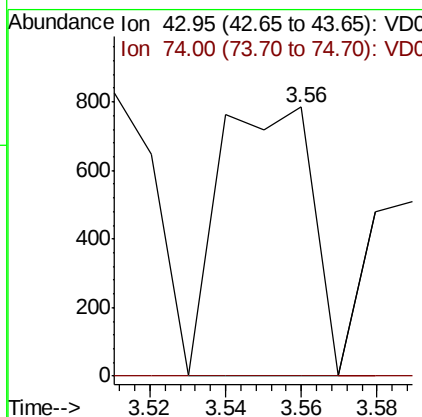
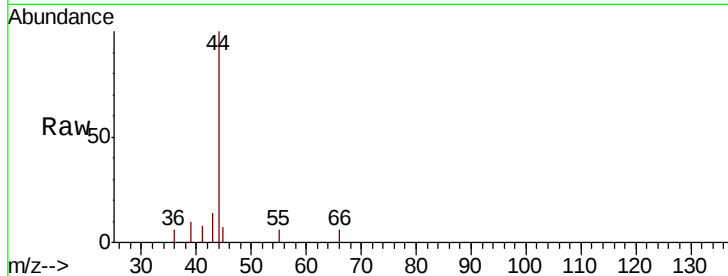




#18
Methyl Acetate
Concen: 5.484 ug/l
RT: 3.56 min Scan# 207
Delta R.T. 0.03 min
Lab File: VD060033.D
Acq: 17 Sep 2018 20:48

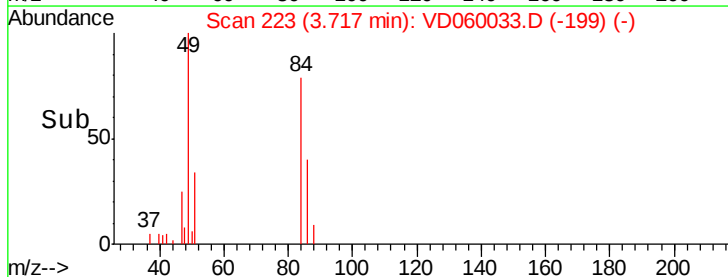
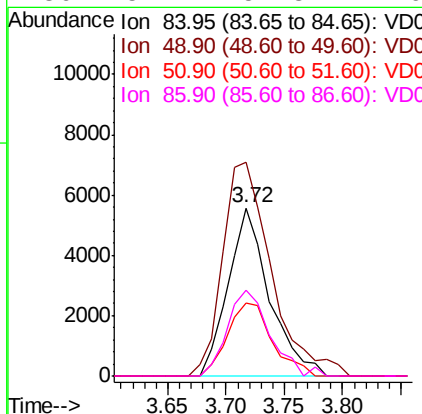
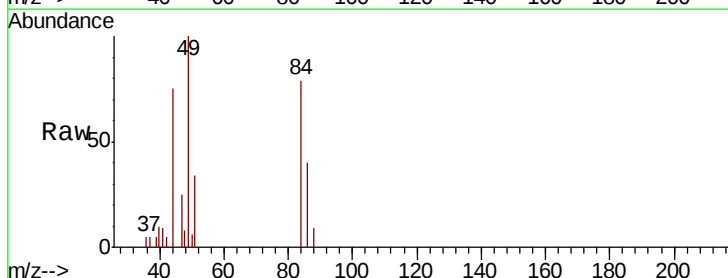
Instrument :
MSVOA_D
ClientSampleId :
SP-PIT-11

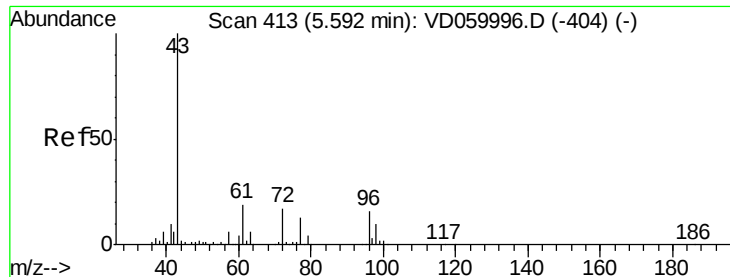
Tgt Ion: 43 Resp: 1339
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.8#



#20
Methylene Chloride
Concen: 10.236 ug/l
RT: 3.72 min Scan# 223
Delta R.T. 0.04 min
Lab File: VD060033.D
Acq: 17 Sep 2018 20:48

Tgt Ion: 84 Resp: 13642
Ion Ratio Lower Upper
84 100
49 127.1 116.6 175.0
51 43.4 35.9 53.9
86 51.1 51.8 77.6#





#25

2-Butanone

Concen: 12.667 ug/l

RT: 5.63 min Scan# 417

Delta R.T. 0.04 min

Lab File: VD060033.D

Acq: 17 Sep 2018 20:48

Instrument :

MSVOA_D

ClientSampleId :

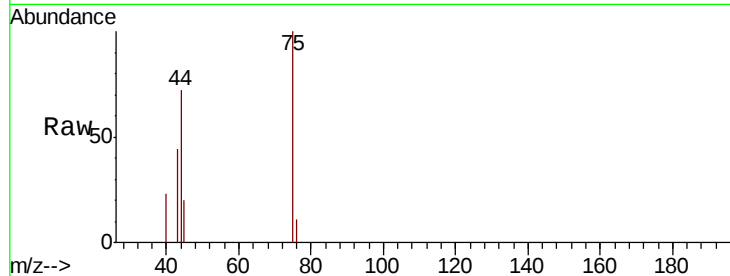
SP-PIT-11

Tgt Ion: 43 Resp: 4104

Ion Ratio Lower Upper

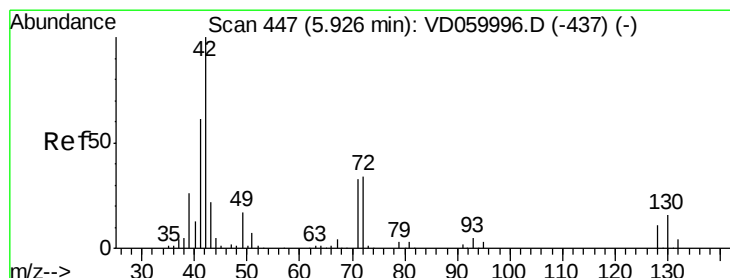
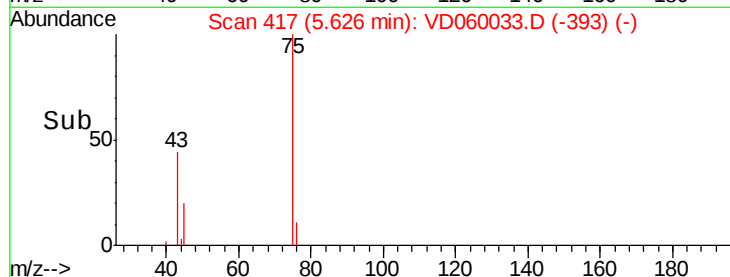
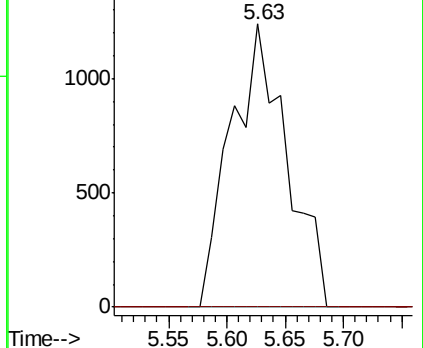
43 100

72 0.0 13.6 20.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 5.232 ug/l

RT: 5.96 min Scan# 451

Delta R.T. 0.03 min

Lab File: VD060033.D

Acq: 17 Sep 2018 20:48

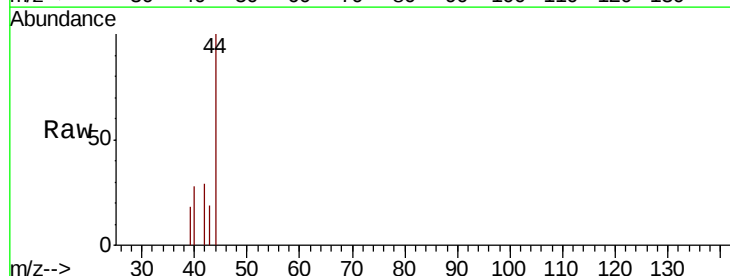
Tgt Ion: 42 Resp: 909

Ion Ratio Lower Upper

42 100

72 0.0 26.9 40.3#

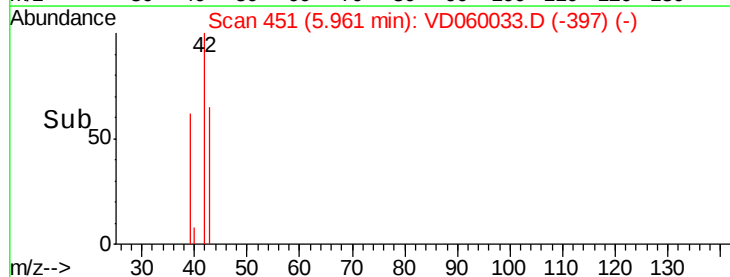
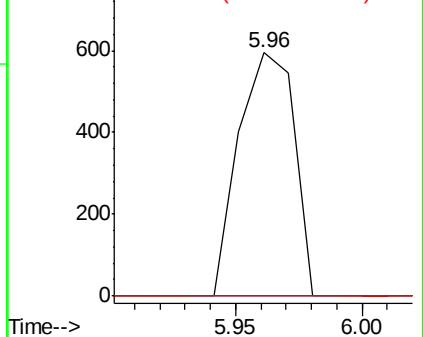
71 0.0 26.2 39.4#

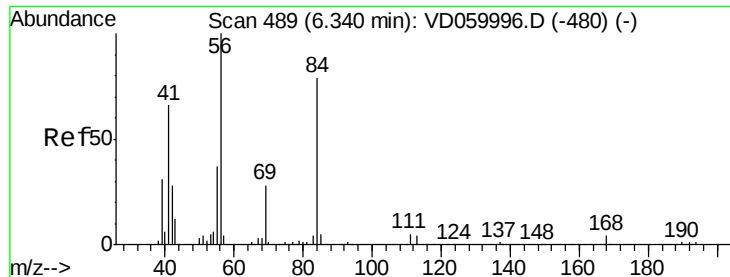


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

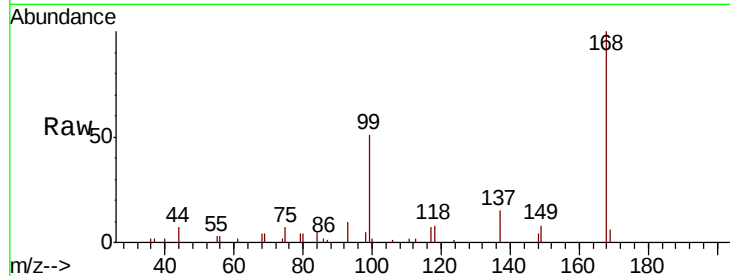




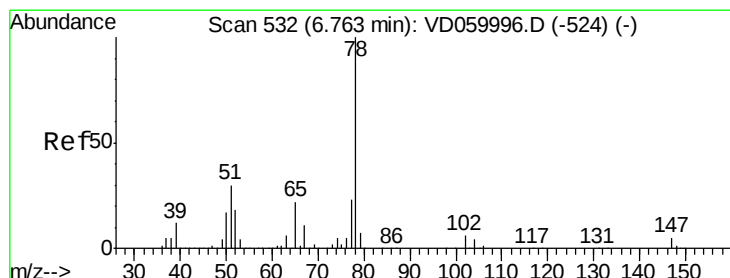
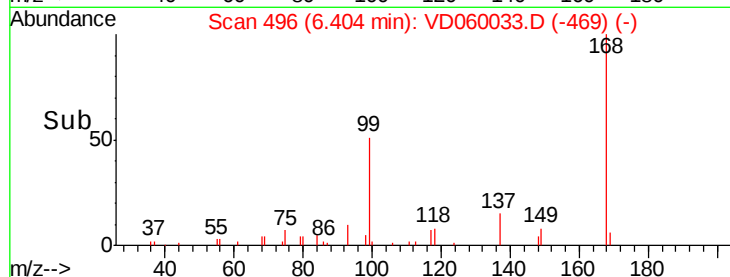
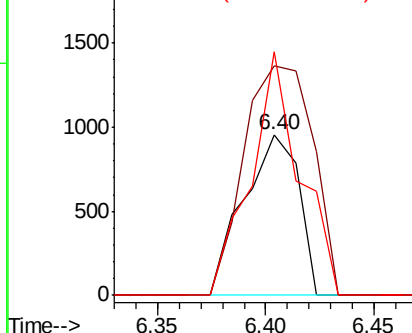
#31
Cyclohexane
Concen: 1.224 ug/l
RT: 6.40 min Scan# 496
Delta R.T. 0.06 min
Lab File: VD060033.D
Acq: 17 Sep 2018 20:48

Instrument :
MSVOA_D
ClientSampleId :
SP-PIT-11

Tgt Ion: 56 Resp: 1691
Ion Ratio Lower Upper
56 100
69 143.1 22.7 34.1#
84 151.5 64.0 96.0#

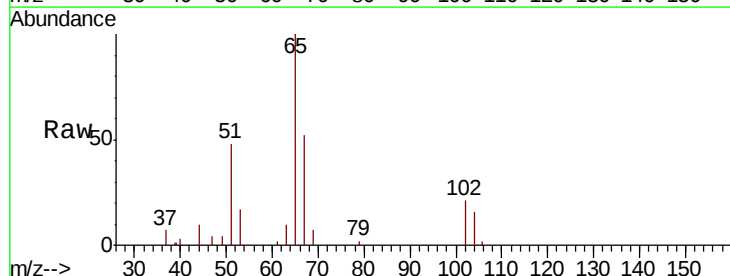


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

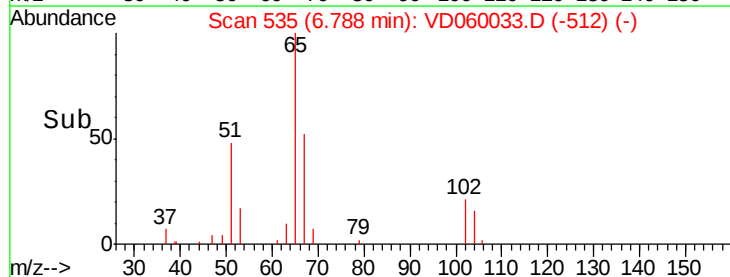
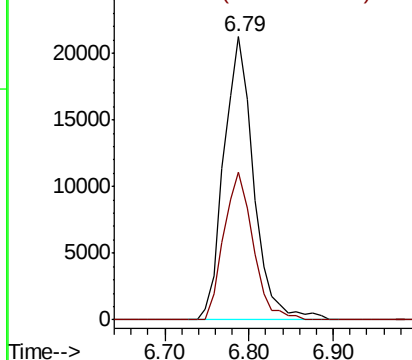


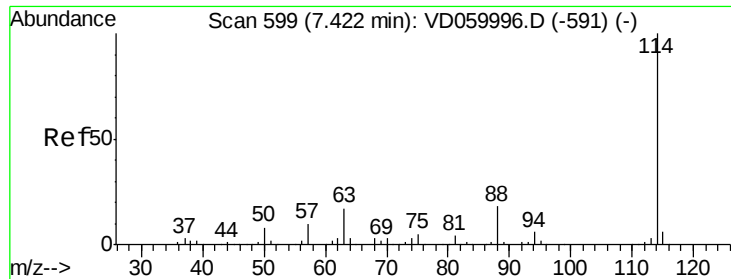
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.79 min Scan# 535
Delta R.T. 0.02 min
Lab File: VD060033.D
Acq: 17 Sep 2018 20:48

Tgt Ion: 65 Resp: 52051
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8



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

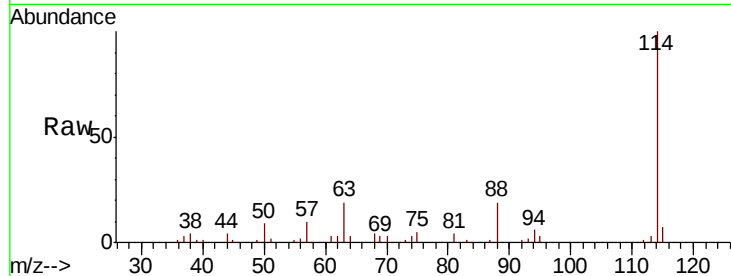




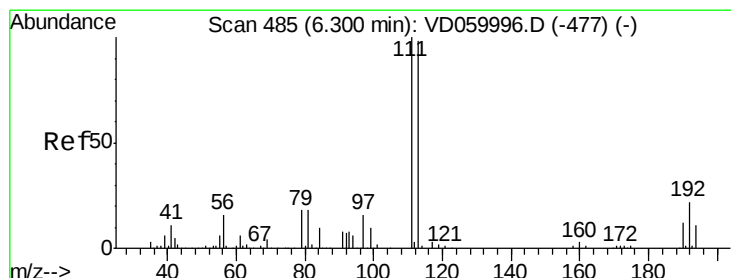
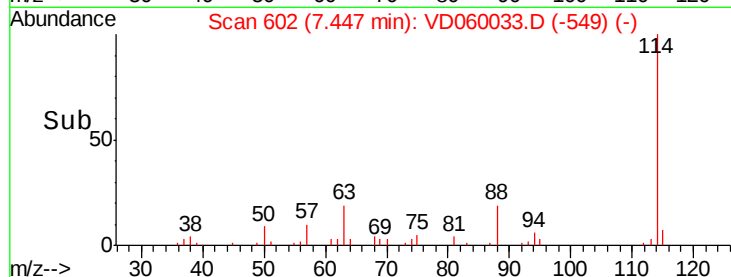
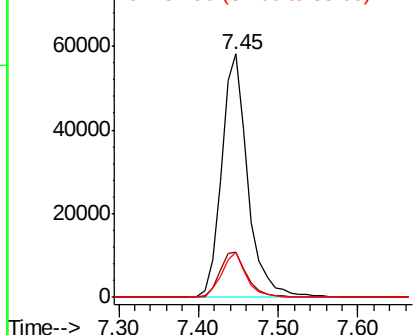
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. 0.02 min
 Lab File: VD060033.D
 Acq: 17 Sep 2018 20:48

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-PIT-11

Tgt Ion:114 Resp: 133853
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 34.4
 88 18.8 0.0 35.8

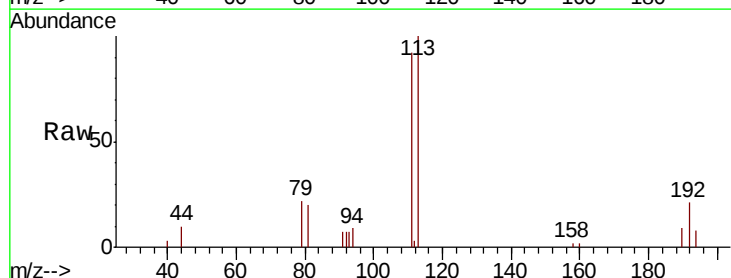


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

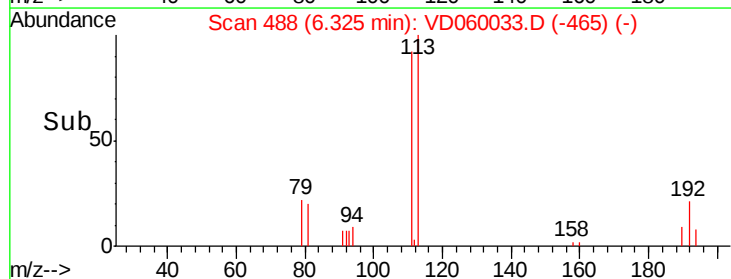
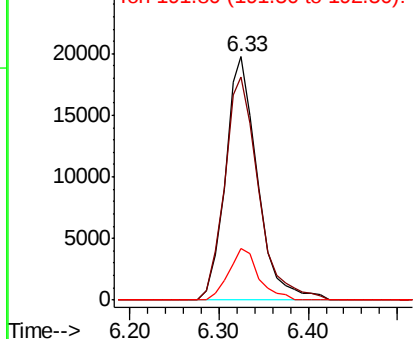


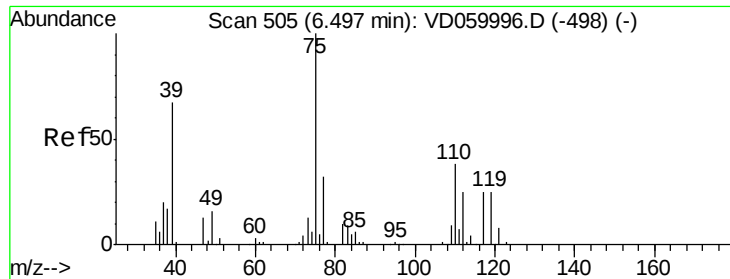
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. 0.02 min
 Lab File: VD060033.D
 Acq: 17 Sep 2018 20:48

Tgt Ion:113 Resp: 49644
 Ion Ratio Lower Upper
 113 100
 111 91.9 81.3 121.9
 192 20.9 18.1 27.1



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

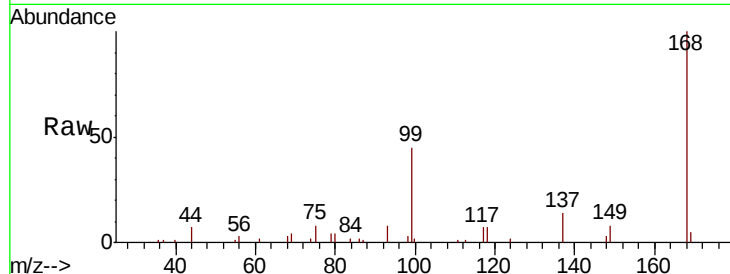




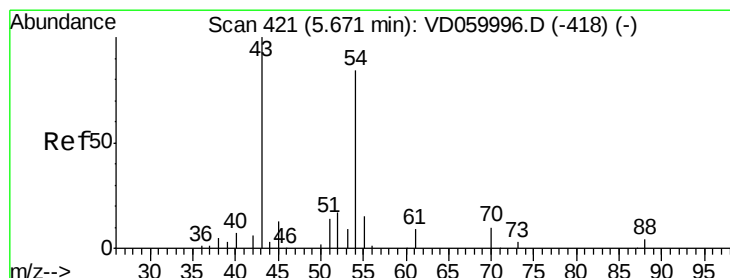
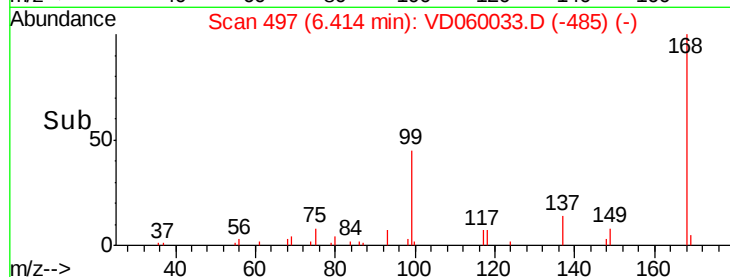
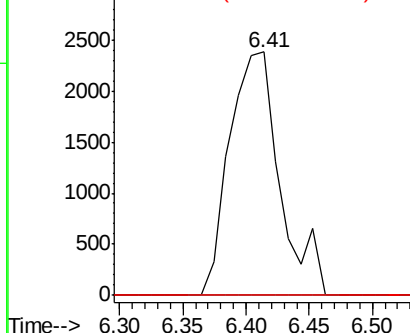
#36
 1,1-Dichloropropene
 Concen: 4.966 ug/l
 RT: 6.41 min Scan# 497
 Delta R.T. -0.08 min
 Lab File: VD060033.D
 Acq: 17 Sep 2018 20:48

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-PIT-11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.9	56.9#
77	0.0	25.3	37.9#

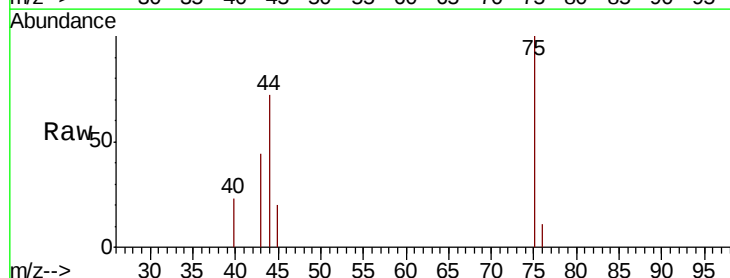


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

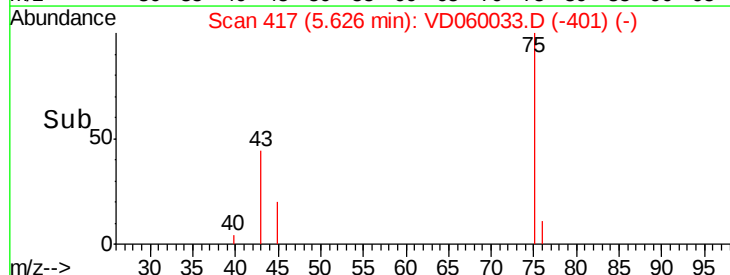
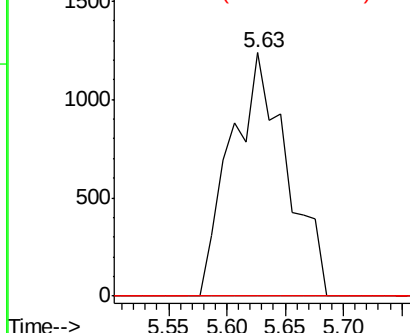


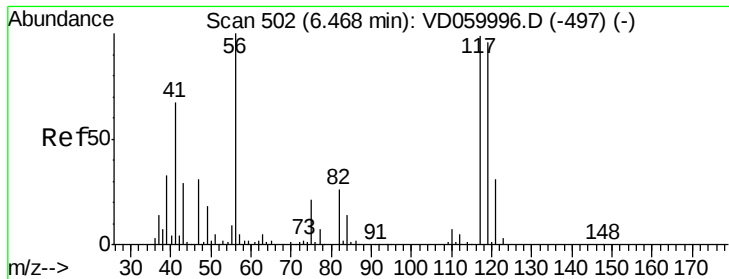
#37
 Ethyl Acetate
 Concen: 4.488 ug/l
 RT: 5.63 min Scan# 417
 Delta R.T. -0.04 min
 Lab File: VD060033.D
 Acq: 17 Sep 2018 20:48

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.2	15.2#
70	0.0	6.1	9.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 4.794 ug/l

RT: 6.40 min Scan# 496

Delta R.T. -0.06 min

Lab File: VD060033.D

Acq: 17 Sep 2018 20:48

Instrument :

MSVOA_D

ClientSampleId :

SP-PIT-11

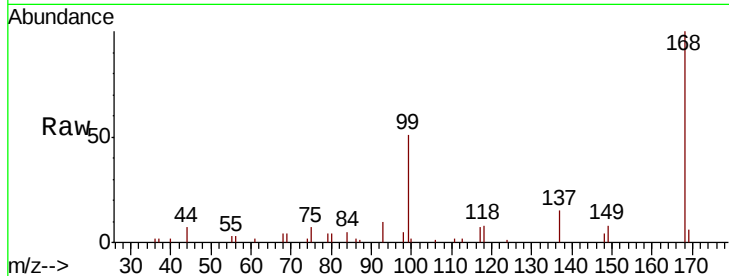
Tgt Ion:117 Resp: 5950

Ion Ratio Lower Upper

117 100

119 0.0 76.7 115.1#

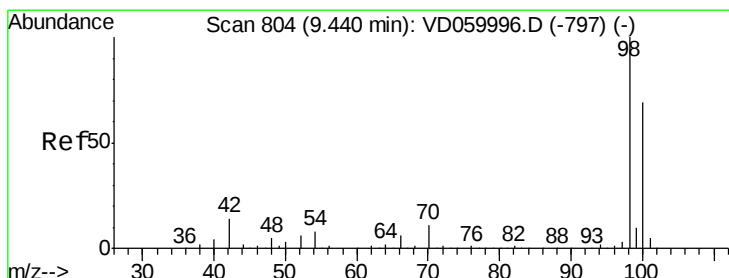
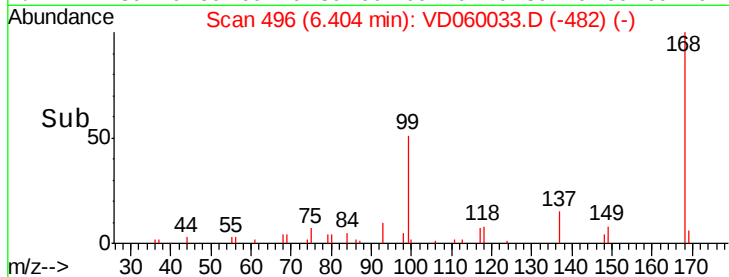
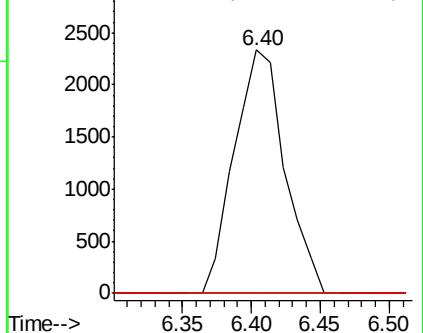
121 0.0 24.9 37.3#



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: 9.45 min Scan# 806

Delta R.T. 0.01 min

Lab File: VD060033.D

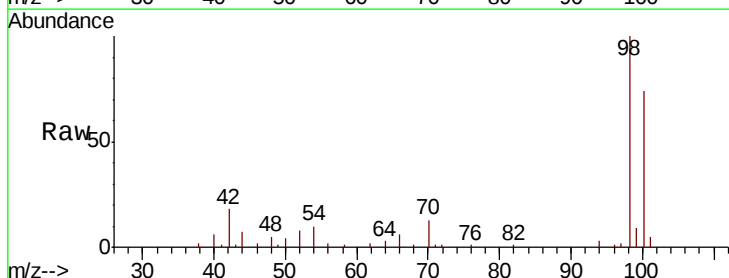
Acq: 17 Sep 2018 20:48

Tgt Ion: 98 Resp: 100694

Ion Ratio Lower Upper

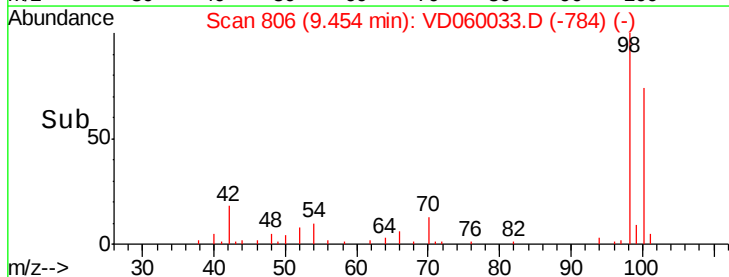
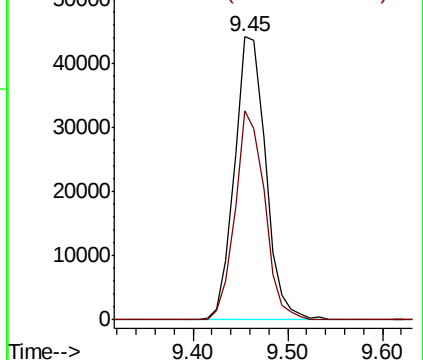
98 100

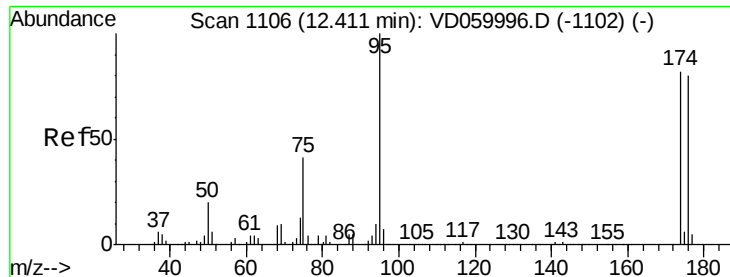
100 73.8 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060033.D

Acq: 17 Sep 2018 20:48

Instrument :

MSVOA_D

ClientSampleId :

SP-PIT-11

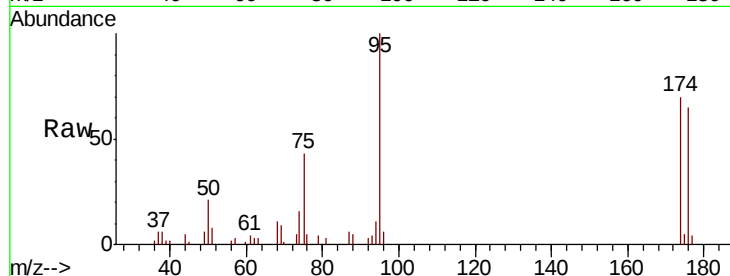
Tgt Ion: 95 Resp: 42596

Ion Ratio Lower Upper

95 100

174 69.9 0.0 165.0

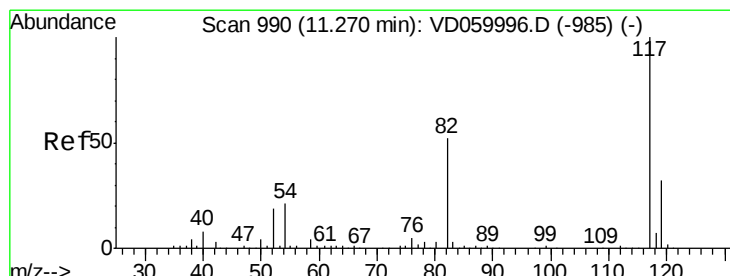
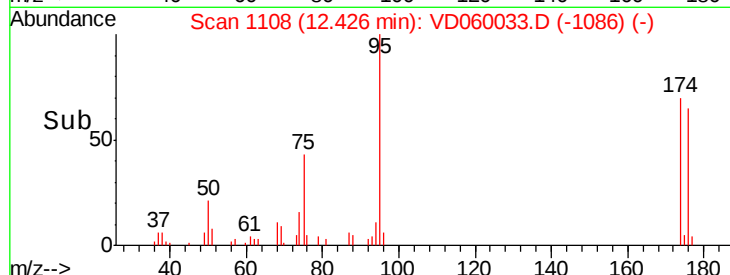
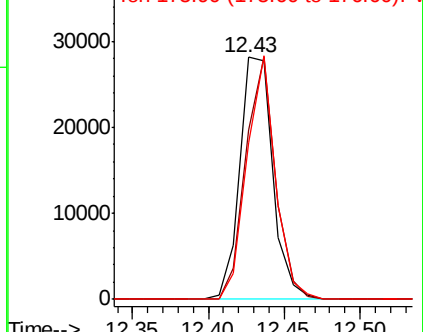
176 64.7 0.0 160.2



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: 11.28 min Scan# 992

Delta R.T. 0.01 min

Lab File: VD060033.D

Acq: 17 Sep 2018 20:48

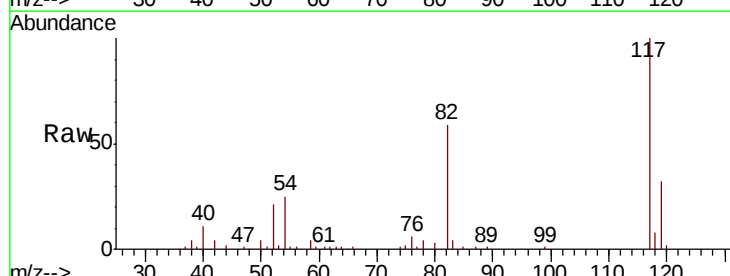
Tgt Ion: 117 Resp: 118065

Ion Ratio Lower Upper

117 100

82 58.7 41.7 62.5

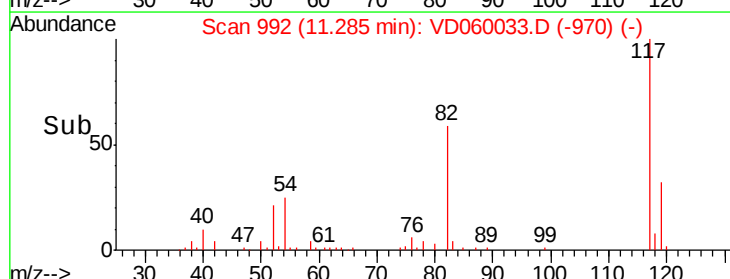
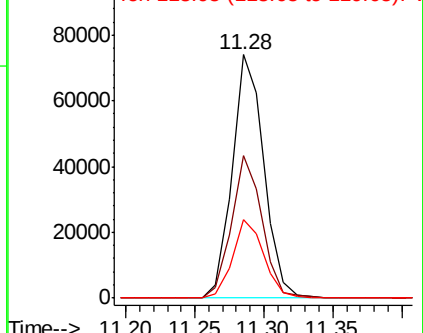
119 32.5 26.0 39.0

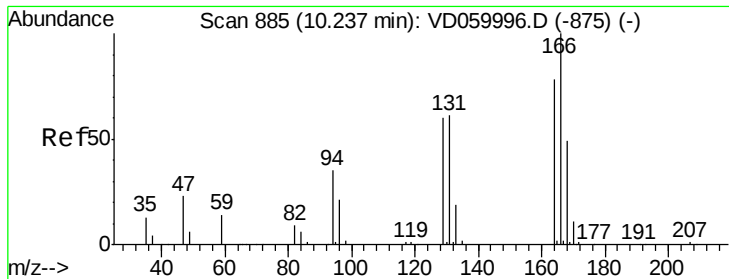


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#64

Tetrachloroethene

Concen: 22.478 ug/l

RT: 10.26 min Scan# 888

Delta R.T. 0.02 min

Lab File: VD060033.D

Acq: 17 Sep 2018 20:48

Instrument :

MSVOA_D

ClientSampleId :

SP-PIT-11

Tgt Ion:164 Resp: 23415

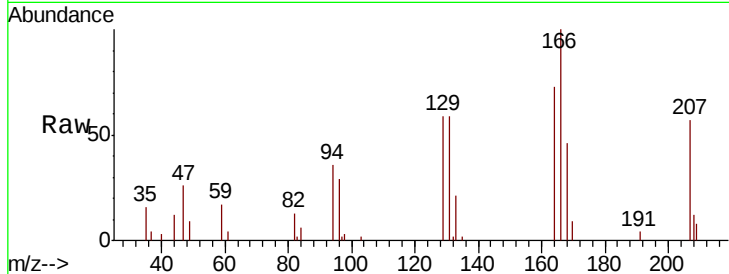
Ion Ratio Lower Upper

164 100

166 137.6 103.0 154.6

129 81.8 61.9 92.9

131 81.9 62.6 93.8

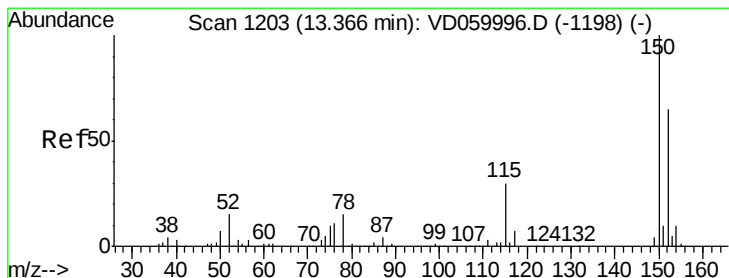
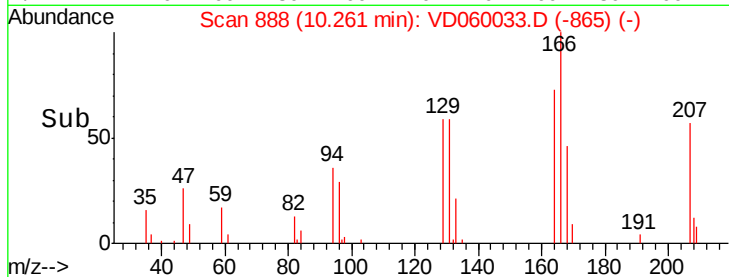
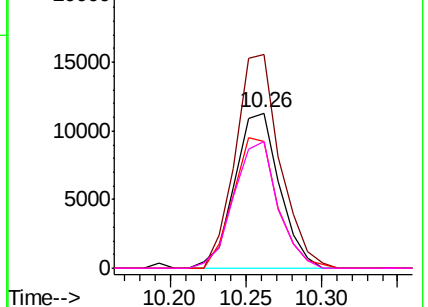


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.38 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD060033.D

Acq: 17 Sep 2018 20:48

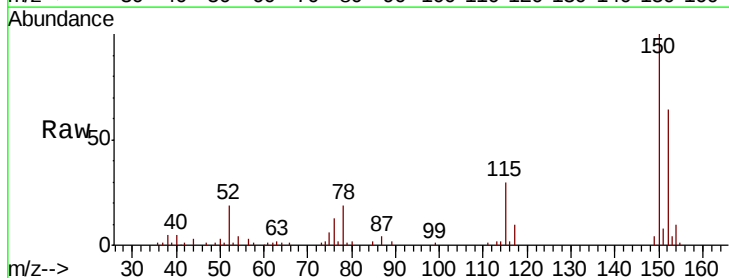
Tgt Ion:152 Resp: 59821

Ion Ratio Lower Upper

152 100

115 46.6 24.6 73.8

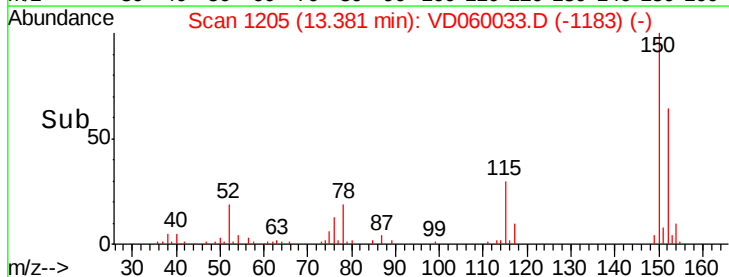
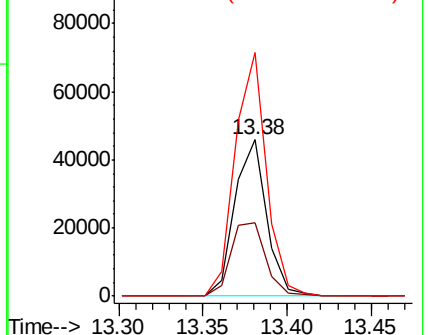
150 156.1 0.0 313.4

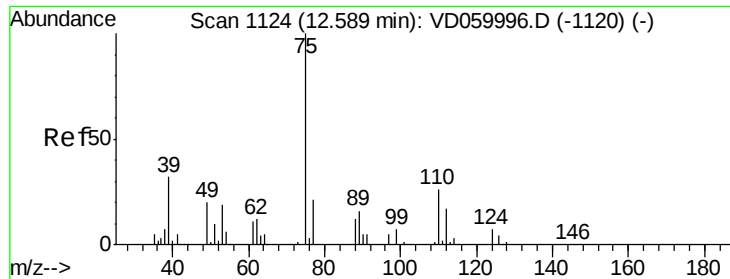


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 19.461 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.16 min

Lab File: VD060033.D

Acq: 17 Sep 2018 20:48

Instrument :

MSVOA_D

ClientSampled :

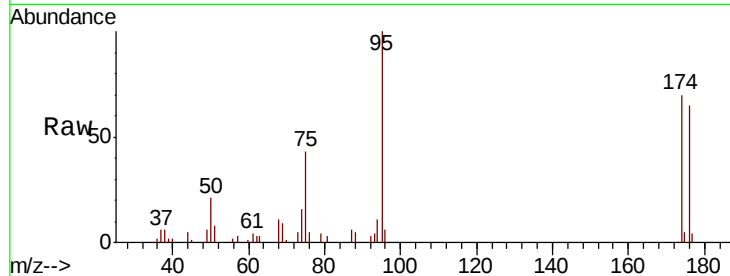
SP-PIT-11

Tgt Ion: 75 Resp: 17780

Ion Ratio Lower Upper

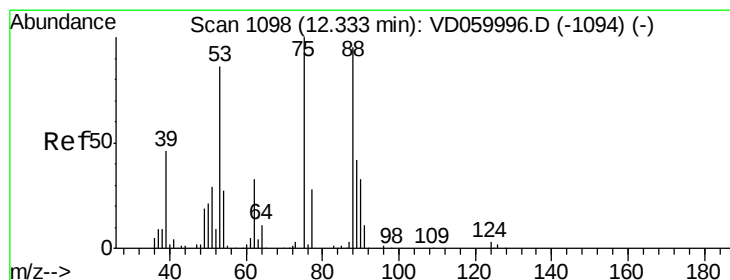
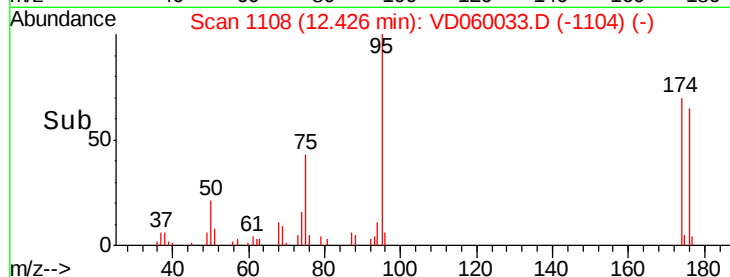
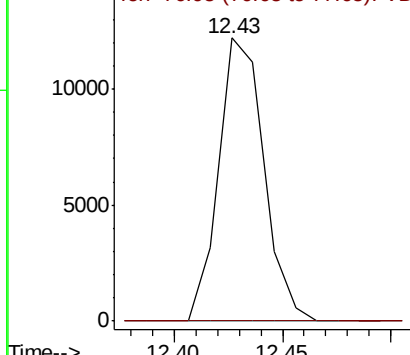
75 100

77 0.0 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 64.465 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.09 min

Lab File: VD060033.D

Acq: 17 Sep 2018 20:48

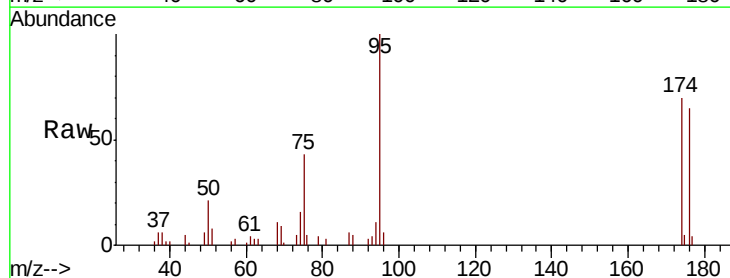
Tgt Ion: 75 Resp: 17779

Ion Ratio Lower Upper

75 100

53 0.0 68.4 102.6#

89 0.0 33.8 50.6#



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

