

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091918\
 Data File : VD060045.D
 Acq On : 19 Sep 2018 17:11
 Operator : JC/SY
 Sample : J5004-02
 Misc : 10.06g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 20 05:45:01 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	6.41	168	1333068	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.44	114	1849891	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1500778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	758721	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	431214	41.48	ug/l	0.02
Spiked Amount			Recovery	=	82.96%	
35) Dibromofluoromethane	6.32	113	557087	38.55	ug/l	0.02
Spiked Amount			Recovery	=	77.10%	
50) Toluene-d8	9.46	98	1508856	37.67	ug/l	0.02
Spiked Amount			Recovery	=	75.34%	
62) 4-Bromofluorobenzene	12.43	95	560183	36.61	ug/l	0.02
Spiked Amount			Recovery	=	73.22%	

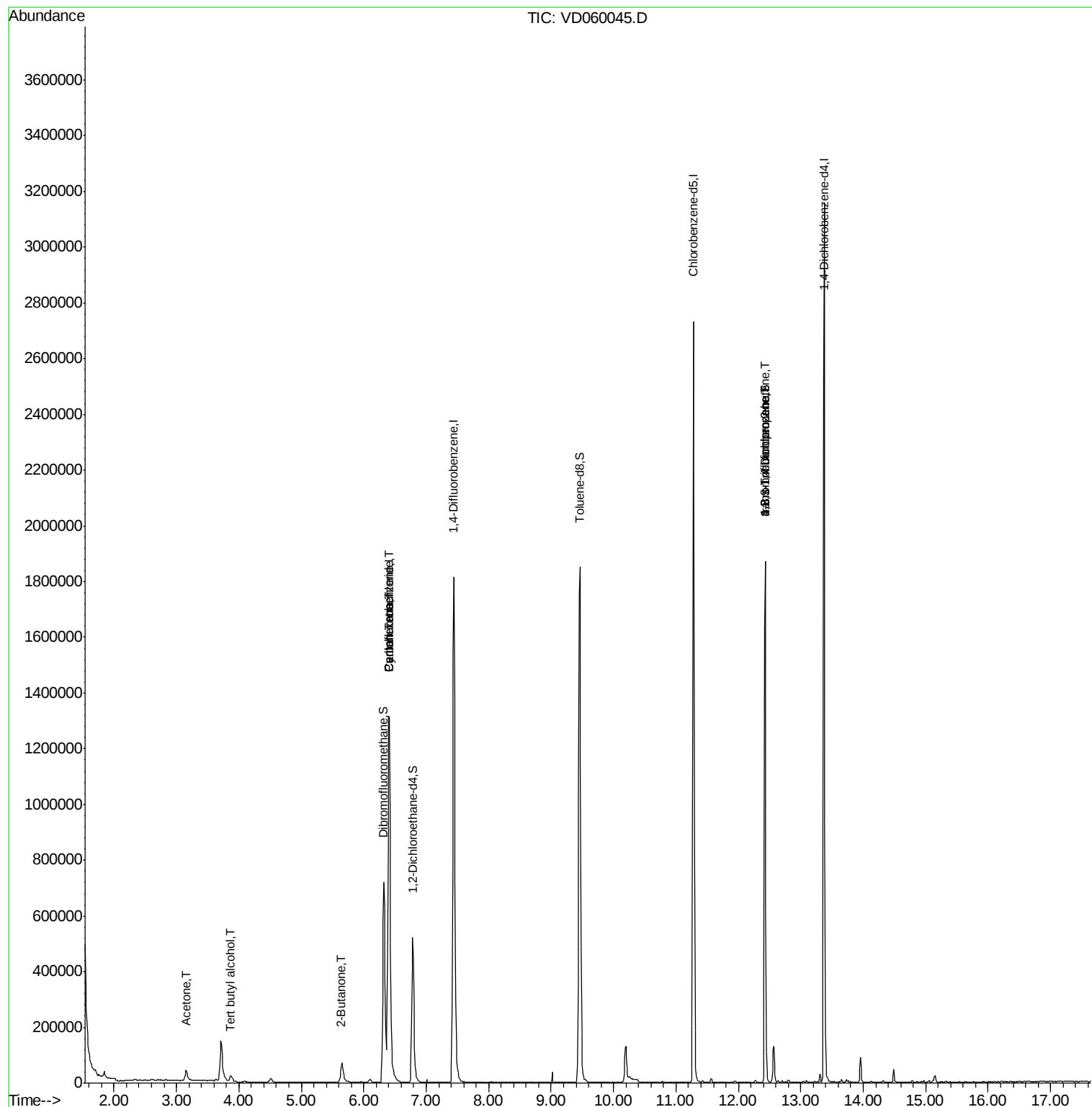
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.87	59	17342	20.67	ug/l	# 74
16) Acetone	3.15	43	76171	37.95	ug/l	97
20) Methylene Chloride	3.72	84	89370	Below	Cal	93
25) 2-Butanone	5.62	43	10648	1.97	ug/l	95
31) Cyclohexane	6.40	56	25956	1.12	ug/l	# 1
38) Carbon Tetrachloride	6.40	117	107174	6.25	ug/l	# 16
51) 4-Methyl-2-Pentanone	9.35	43	1557	Below	Cal	# 42
59) 2-Hexanone	10.49	43	1539	Below	Cal	# 30
76) 1,2,3-Trichloropropane	12.42	75	204910	17.68	ug/l	# 44
81) trans-1,4-Dichloro-2-buten	12.42	75	229709	65.67	ug/l	# 15
89) n-Butylbenzene	13.64	91	2789	Below	Cal	# 71
91) 1,2-Dichlorobenzene	13.66	146	2226	Below	Cal	98

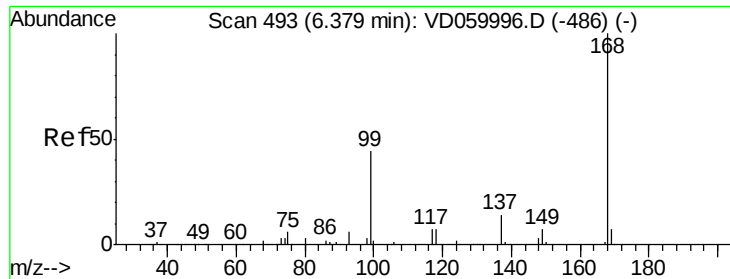
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091918\
Data File : VD060045.D
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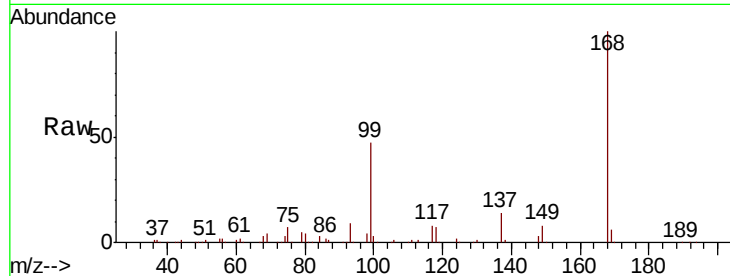


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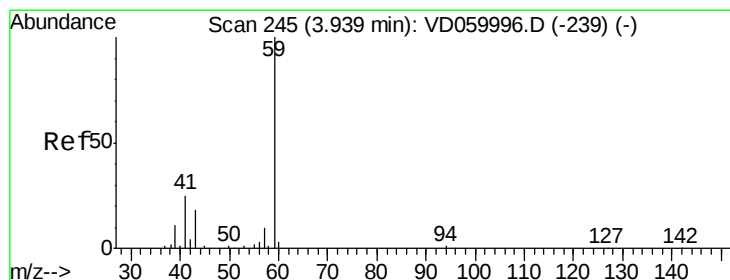
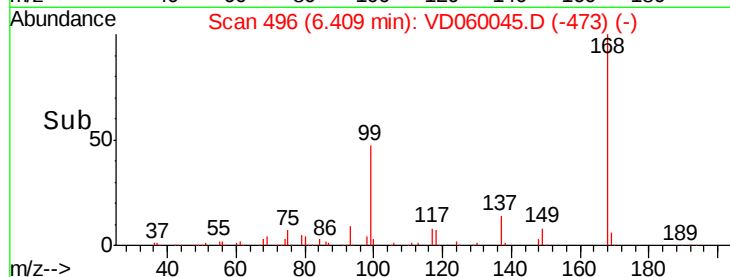
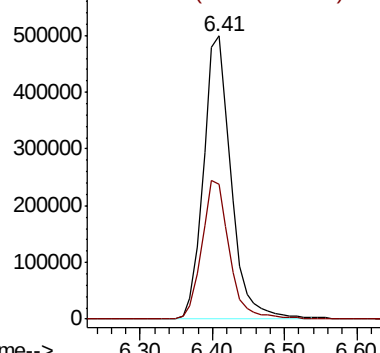
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 6.41 min Scan# 496
Delta R.T. 0.03 min
Lab File: VD060045.D
Acq: 19 Sep 2018 17:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1333068
Ion Ratio Lower Upper
168 100
99 47.5 38.5 57.7



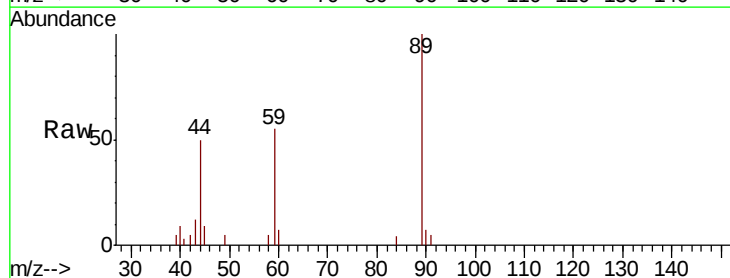
Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.95 (98.65 to 99.65): VDC



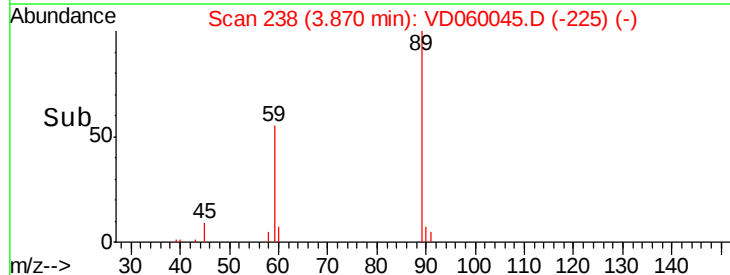
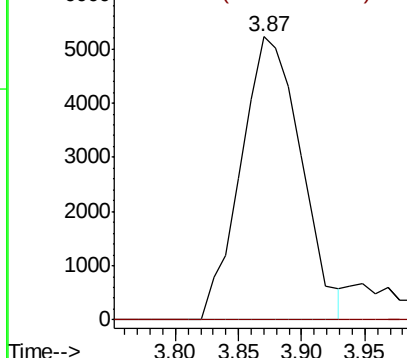
#11

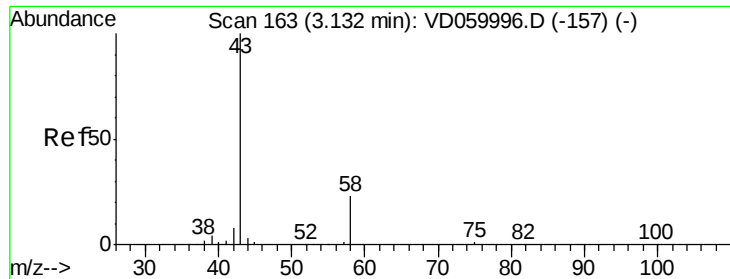
Tert butyl alcohol
Concen: 20.67 ug/l
RT: 3.87 min Scan# 238
Delta R.T. -0.07 min
Lab File: VD060045.D
Acq: 19 Sep 2018 17:11

Tgt Ion: 59 Resp: 17342
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



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





#16

Acetone

Concen: 37.95 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD060045.D

Acq: 19 Sep 2018 17:11

Instrument :

MSVOA_D

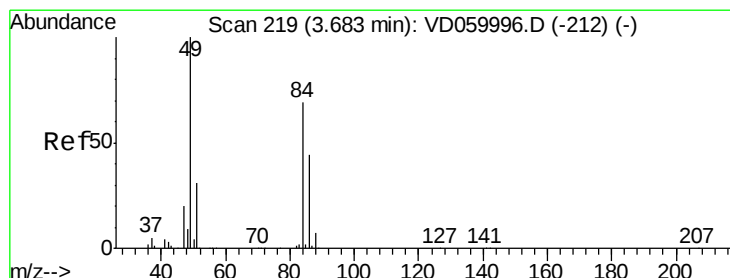
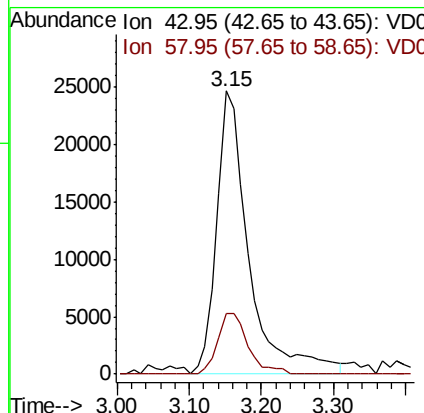
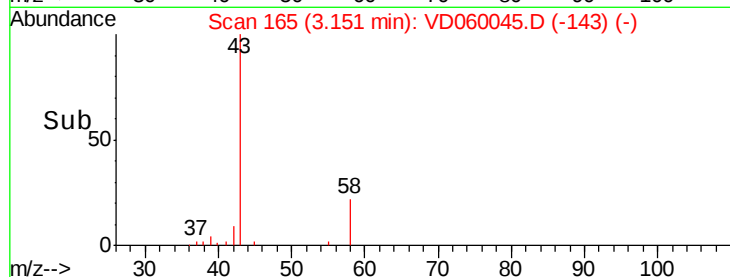
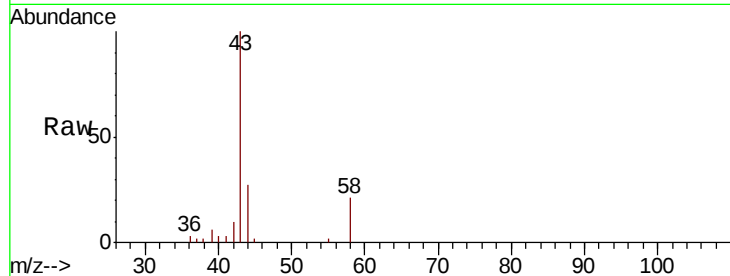
ClientSampleId :

Tot Ion: 43 Resp: 76171

Ion Ratio Lower Upper

43 100

58 21.2 18.1 27.1



#20

Methylene Chloride

Concen: Below Cal

RT: 3.72 min Scan# 223

Delta R.T. 0.04 min

Lab File: VD060045.D

Acq: 19 Sep 2018 17:11

Tgt Ion: 84 Resp: 89370

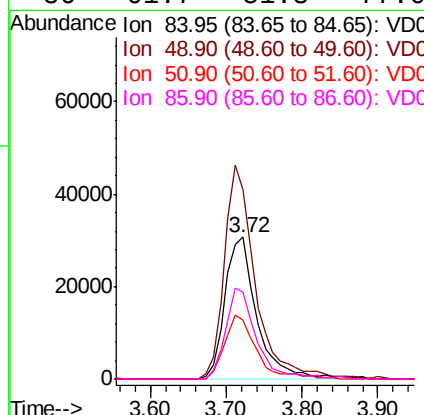
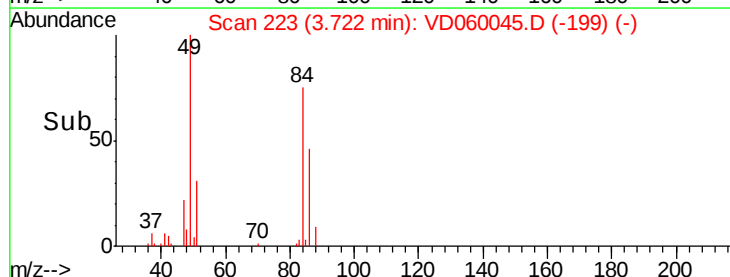
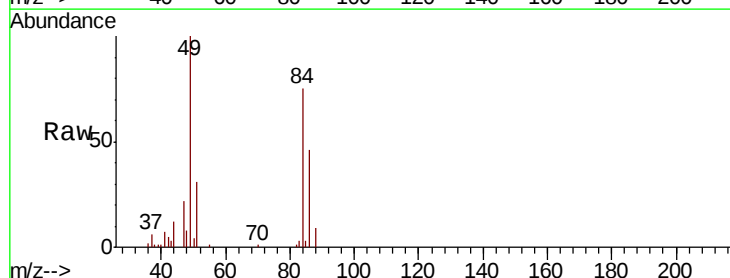
Ion Ratio Lower Upper

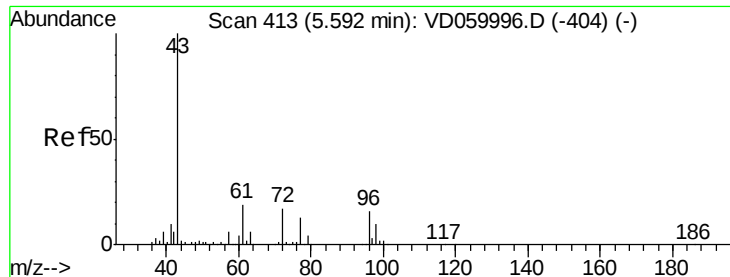
84 100

49 133.9 116.6 175.0

51 42.0 35.9 53.9

86 61.7 51.8 77.6





#25

2-Butanone

Concen: 1.97 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.03 min

Lab File: VD060045.D

Acq: 19 Sep 2018 17:11

Instrument :

MSVOA_D

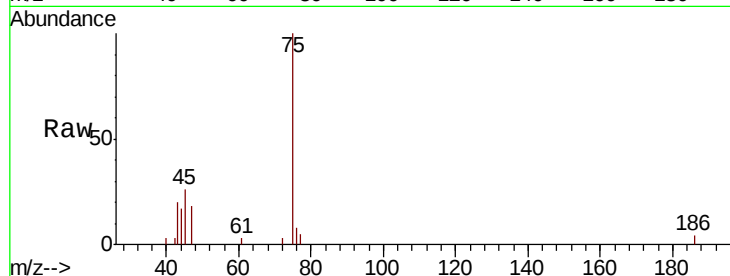
ClientSampled :

Tot Ion: 43 Resp: 10648

Ion Ratio Lower Upper

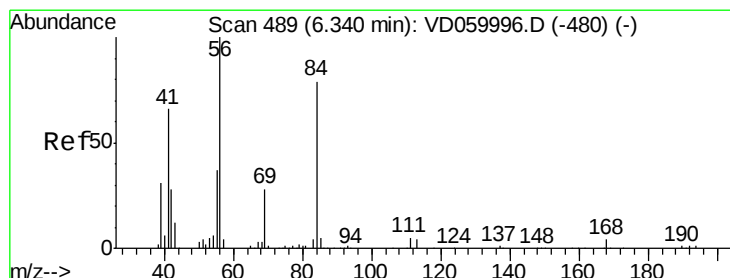
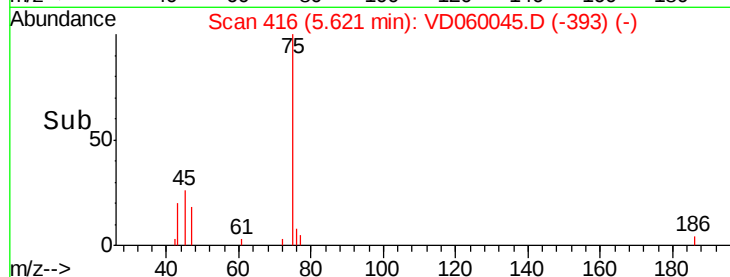
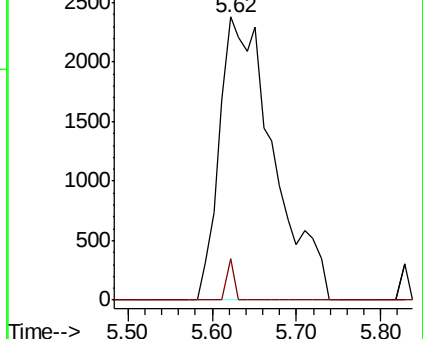
43 100

72 14.7 13.6 20.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.12 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.06 min

Lab File: VD060045.D

Acq: 19 Sep 2018 17:11

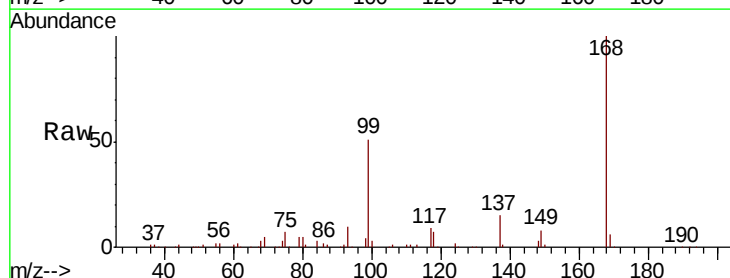
Tgt Ion: 56 Resp: 25956

Ion Ratio Lower Upper

56 100

69 240.6 22.7 34.1#

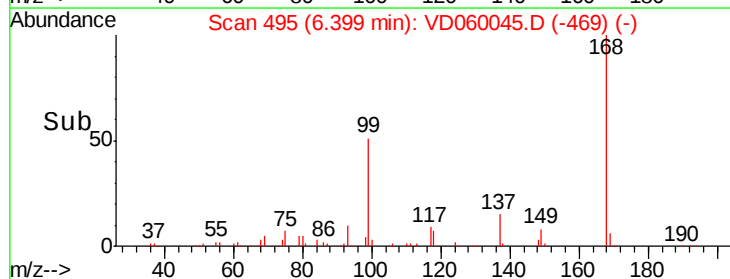
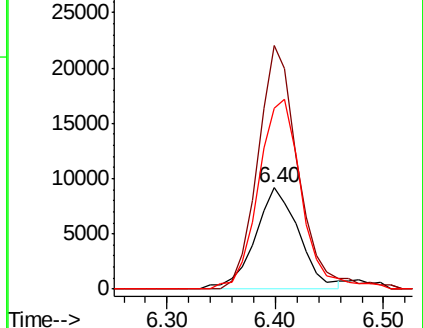
84 178.5 64.0 96.0#

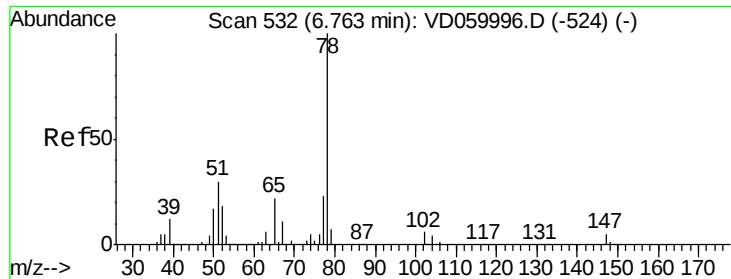


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: 6.78 min Scan# 534

Delta R.T. 0.02 min

Lab File: VD060045.D

Acq: 19 Sep 2018 17:11

Instrument :

MSVOA_D

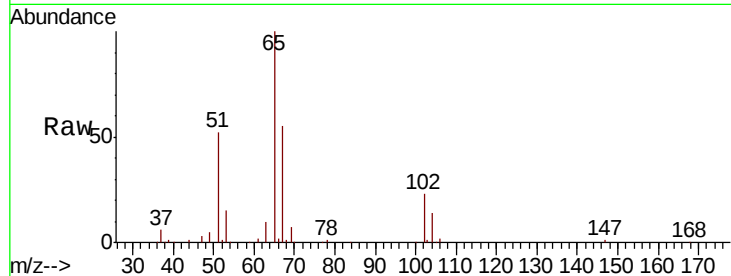
ClientSampleId :

Tot Ion: 65 Resp: 431214

Ion Ratio Lower Upper

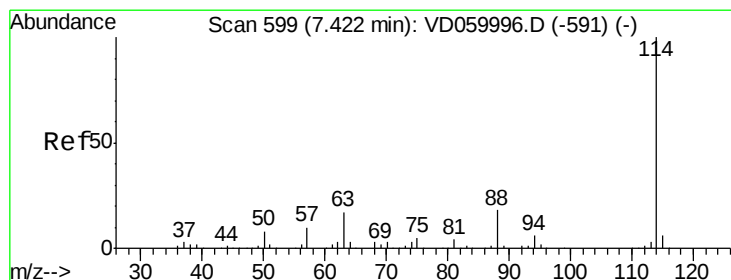
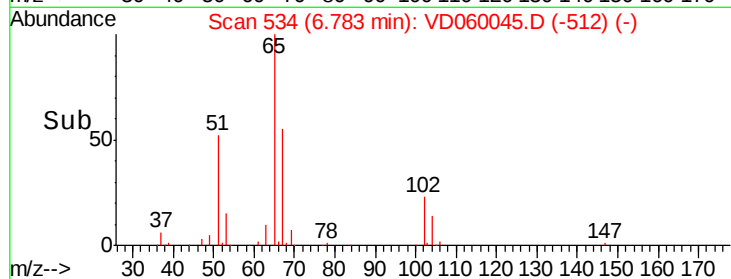
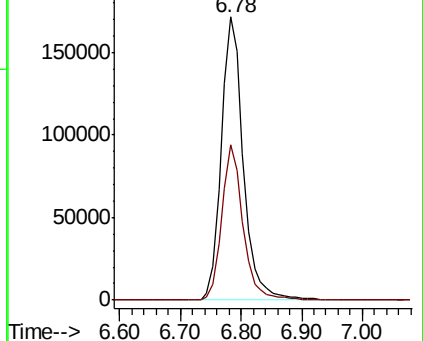
65 100

67 54.7 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: 50.00 ug/l

RT: 7.44 min Scan# 601

Delta R.T. 0.02 min

Lab File: VD060045.D

Acq: 19 Sep 2018 17:11

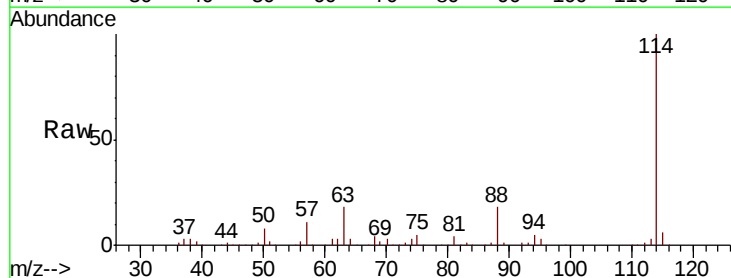
Tgt Ion: 114 Resp: 1849891

Ion Ratio Lower Upper

114 100

63 18.5 0.0 34.4

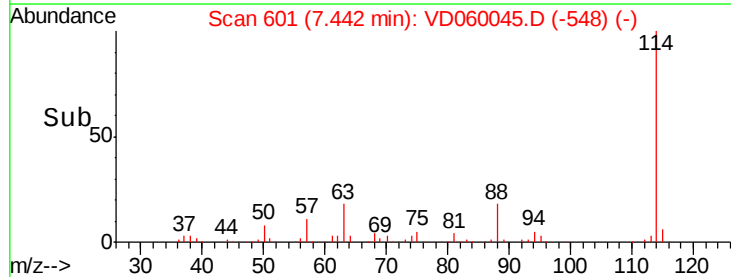
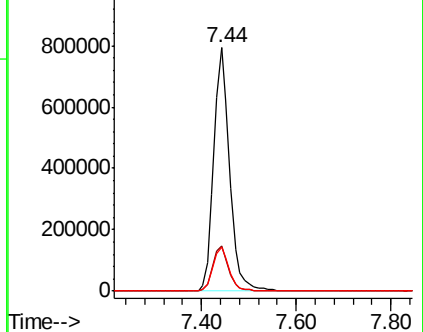
88 17.9 0.0 35.8

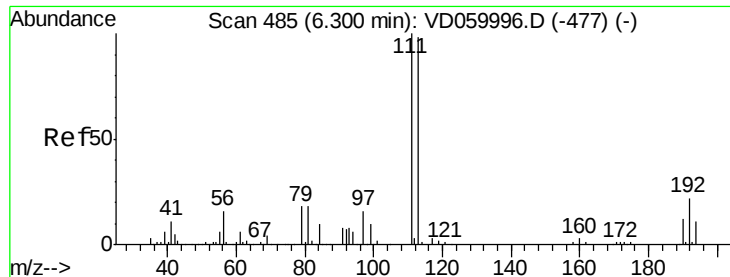


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

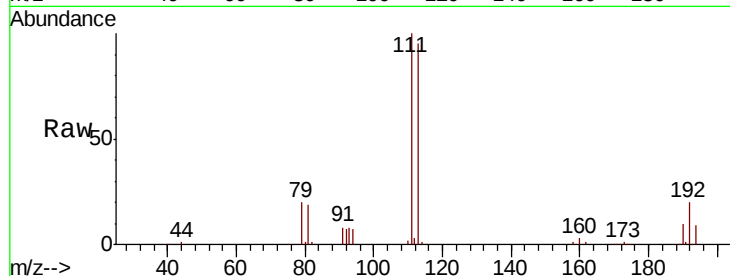




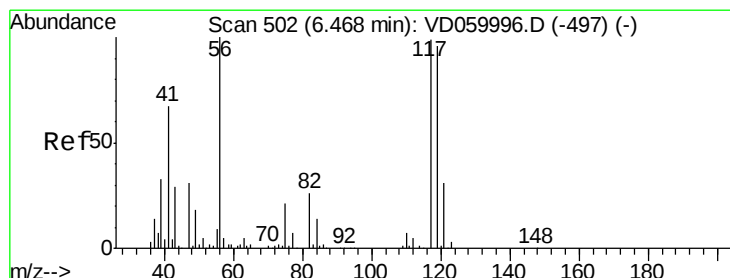
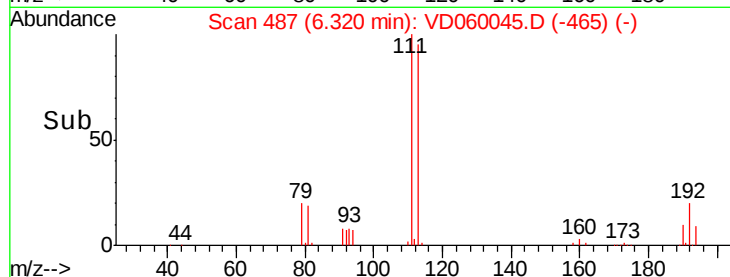
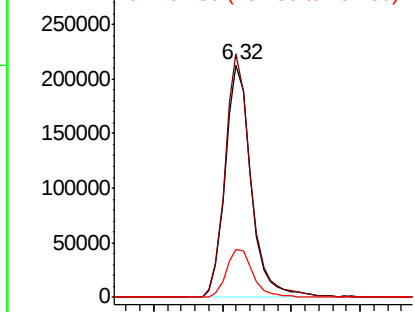
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. 0.02 min
 Lab File: VD060045.D
 Acq: 19 Sep 2018 17:11

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:113 Resp: 557087
 Ion Ratio Lower Upper
 113 100
 111 104.7 81.3 121.9
 192 20.8 18.1 27.1

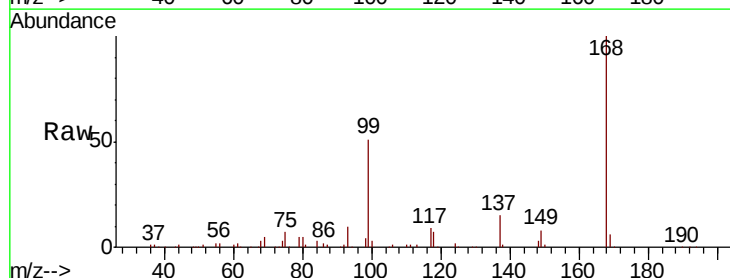


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

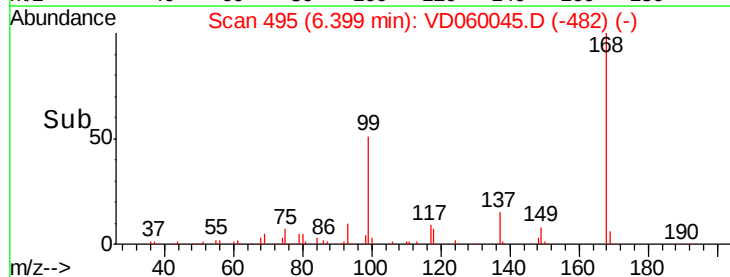
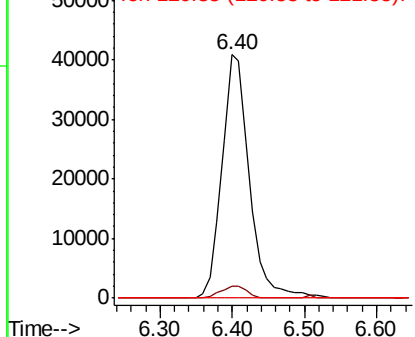


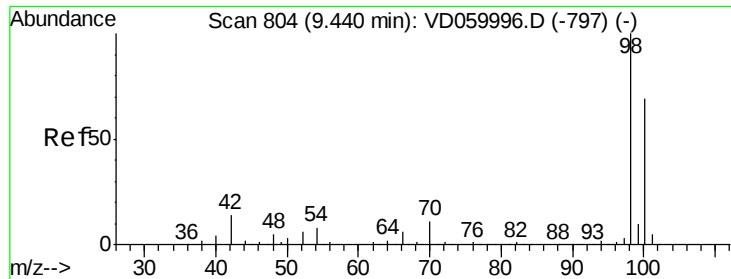
#38
 Carbon Tetrachloride
 Concen: 6.25 ug/l
 RT: 6.40 min Scan# 495
 Delta R.T. -0.07 min
 Lab File: VD060045.D
 Acq: 19 Sep 2018 17:11

Tgt Ion:117 Resp: 107174
 Ion Ratio Lower Upper
 117 100
 119 5.0 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: 9.46 min Scan# 806

Delta R.T. 0.02 min

Lab File: VD060045.D

Acq: 19 Sep 2018 17:11

Instrument :

MSVOA_D

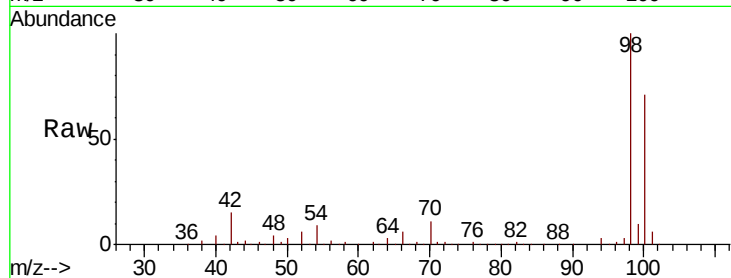
ClientSampleId :

Tot Ion: 98 Resp: 1508856

Ion Ratio Lower Upper

98 100

100 70.6 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

800000

600000

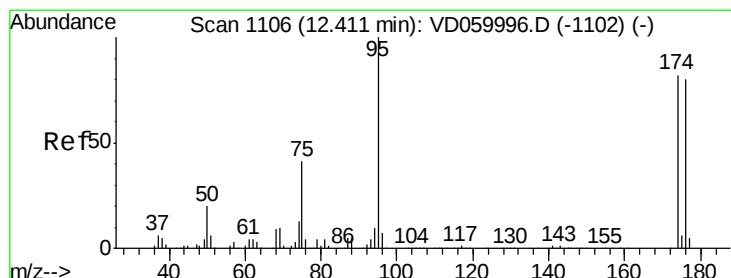
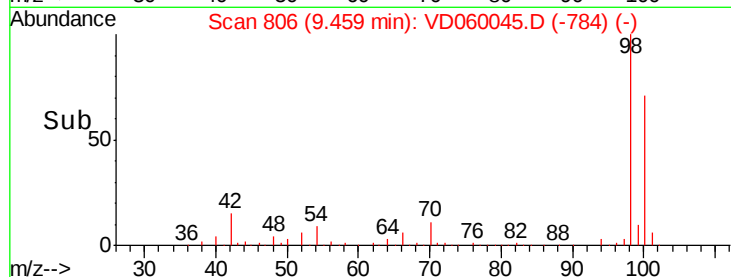
400000

200000

0

9.30 9.40 9.50 9.60 9.70

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.02 min

Lab File: VD060045.D

Acq: 19 Sep 2018 17:11

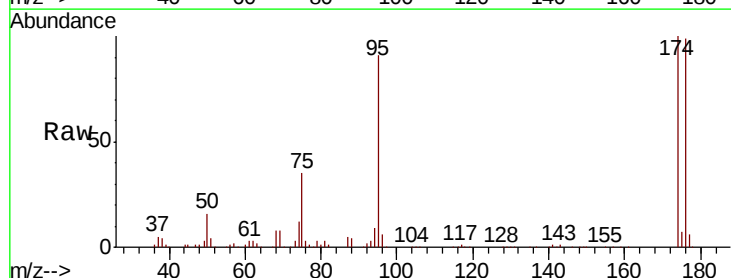
Tgt Ion: 95 Resp: 560183

Ion Ratio Lower Upper

95 100

174 109.8 0.0 165.0

176 108.9 0.0 160.2



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

500000

400000

300000

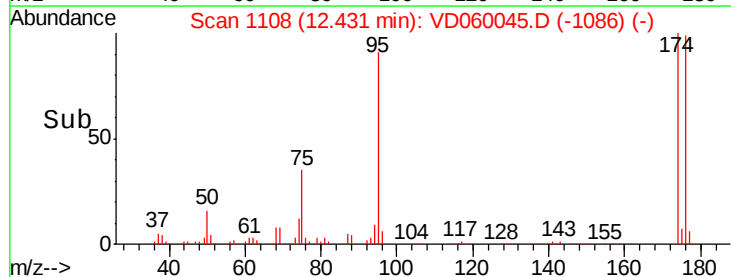
200000

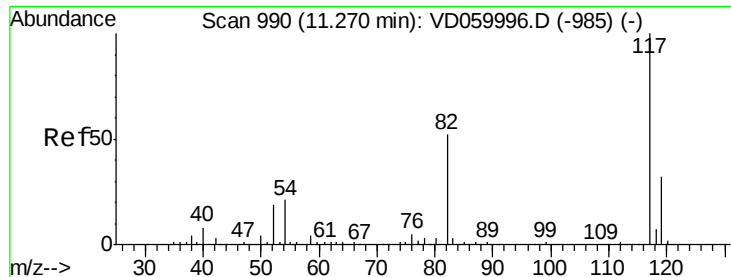
100000

0

12.40 12.43 12.46

Time-->

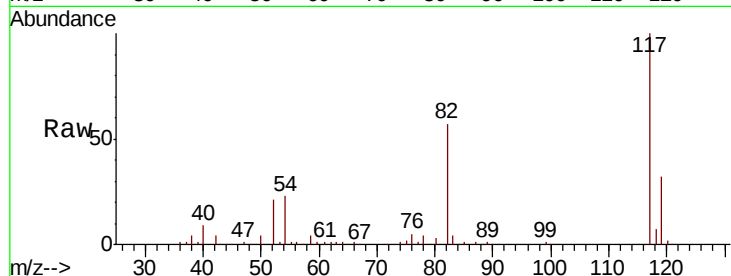




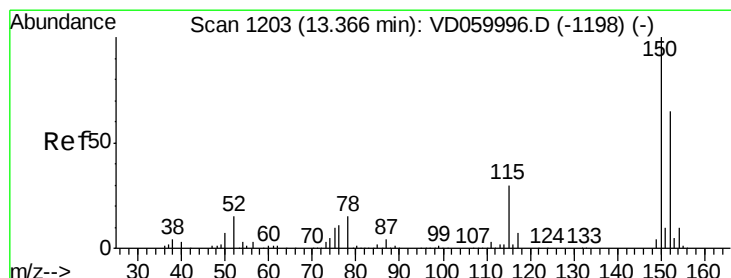
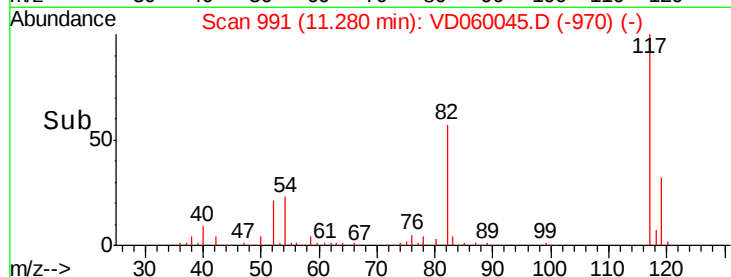
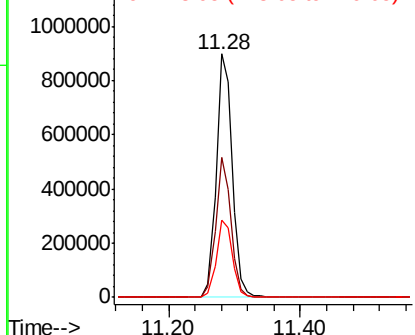
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060045.D
Acq: 19 Sep 2018 17:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1500778
Ion Ratio Lower Upper
117 100
82 57.4 41.7 62.5
119 32.0 26.0 39.0

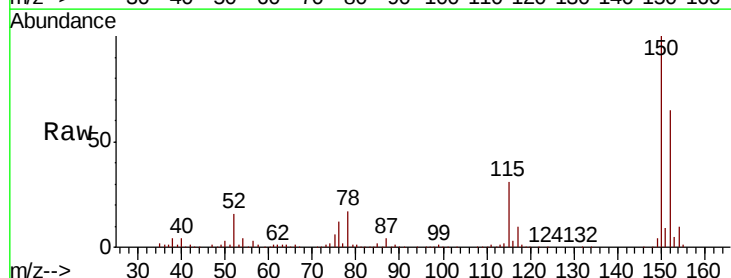


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

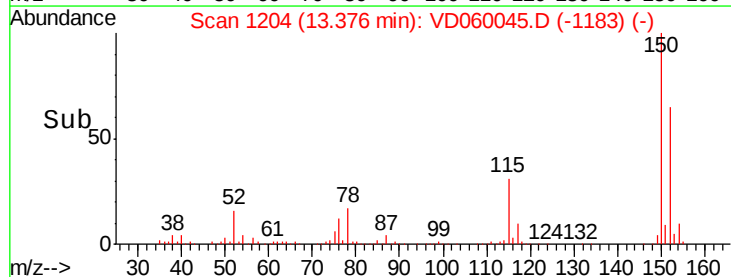
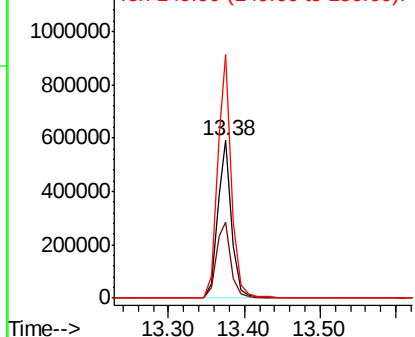


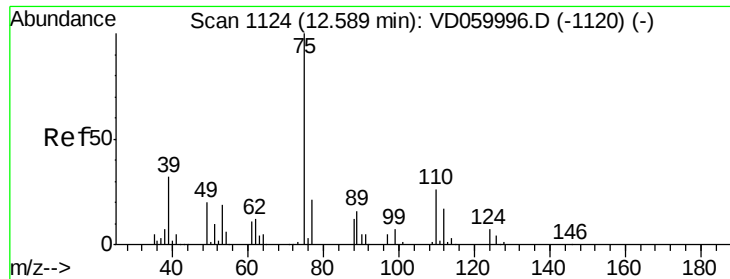
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060045.D
Acq: 19 Sep 2018 17:11

Tgt Ion:152 Resp: 758721
Ion Ratio Lower Upper
152 100
115 48.0 24.6 73.8
150 154.5 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: 17.68 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.17 min

Lab File: VD060045.D

Acq: 19 Sep 2018 17:11

Instrument :

MSVOA_D

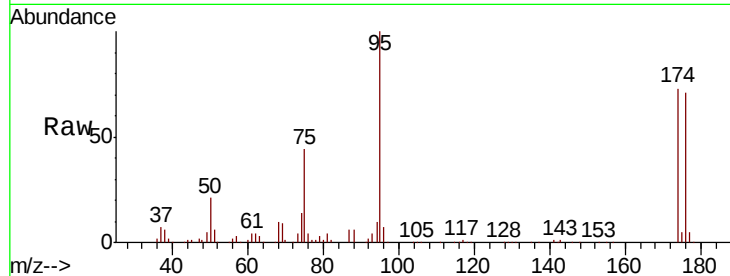
ClientSampleId :

Tot Ion: 75 Resp: 204910

Ion Ratio Lower Upper

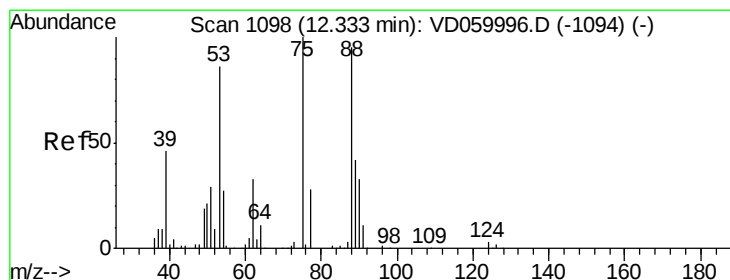
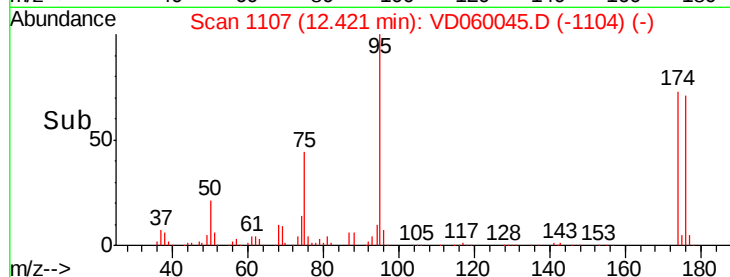
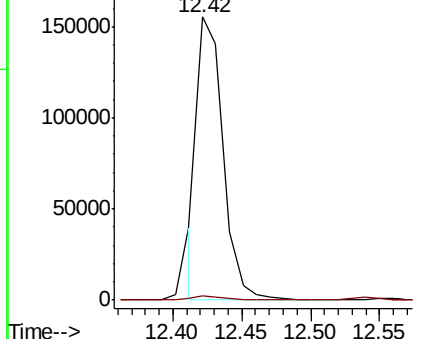
75 100

77 1.4 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: 65.67 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.09 min

Lab File: VD060045.D

Acq: 19 Sep 2018 17:11

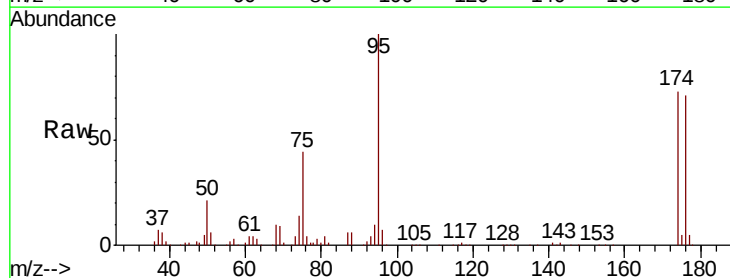
Tgt Ion: 75 Resp: 229709

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

