

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW121318\
 Data File : VW007415.D
 Acq On : 12 Dec 2018 01:46
 Operator : SY/AP
 Sample : J6275-01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF-01-120418

Quant Time: Dec 12 05:07:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	81747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	152497	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	146809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	70784	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	43921	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
35) Dibromofluoromethane	7.88	113	39544	42.84	ug/l	0.00
Spiked Amount			Recovery	=	85.68%	
50) Toluene-d8	10.32	98	134579	38.88	ug/l	0.00
Spiked Amount			Recovery	=	77.76%	
62) 4-Bromofluorobenzene	12.62	95	55806	43.85	ug/l	0.00
Spiked Amount			Recovery	=	87.70%	

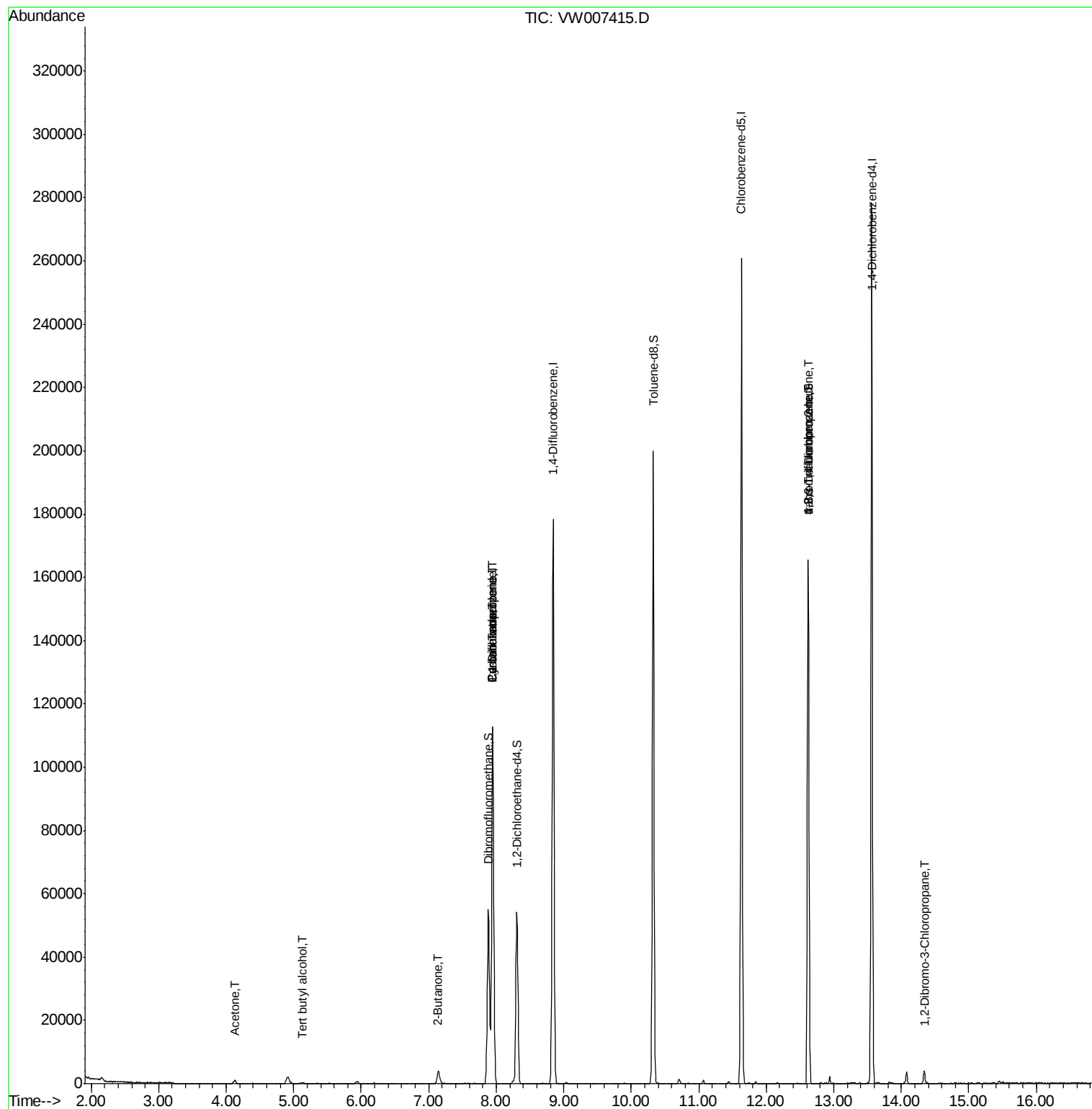
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	117	1.878	ug/l #	74
16) Acetone	4.13	43	1820	11.489	ug/l	93
20) Methylene Chloride	4.90	84	944	Below Cal	#	81
25) 2-Butanone	7.14	43	270	1.306	ug/l #	45
31) Cyclohexane	7.95	56	1716	1.218	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	6465	4.647	ug/l #	49
38) Carbon Tetrachloride	7.95	117	8759	5.787	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	28027	48.022	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	28027	106.080	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.33	75	330	2.047	ug/l #	3

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

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Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007415.D

Acq: 12 Dec 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

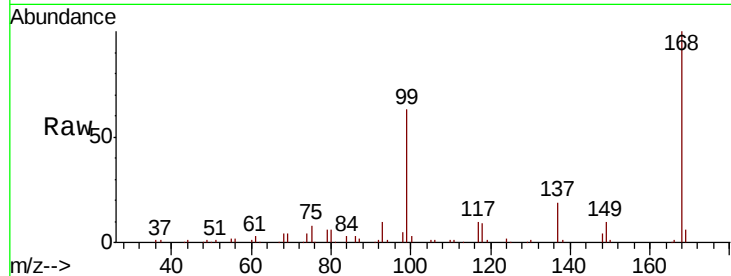
BF-01-120418

Tgt Ion:168 Resp: 81747

Ion Ratio Lower Upper

168 100

99 63.1 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

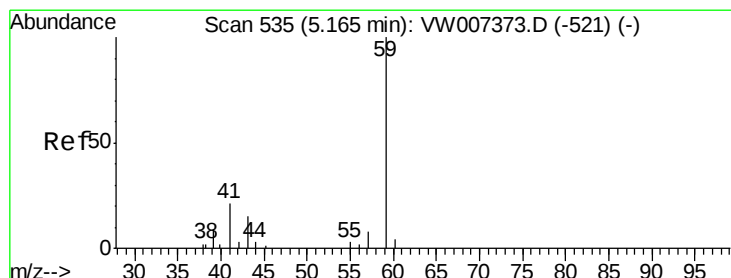
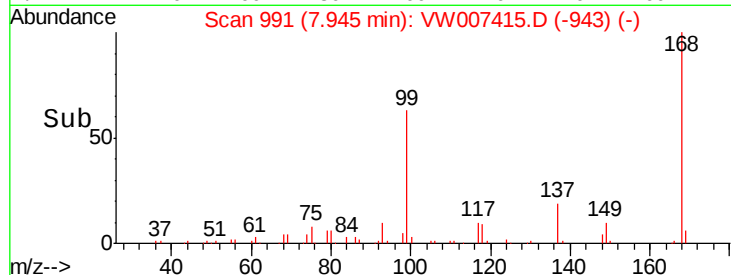
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 1.878 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW007415.D

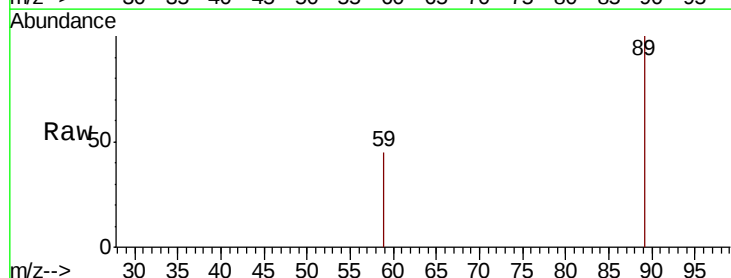
Acq: 12 Dec 2018 01:46

Tgt Ion: 59 Resp: 117

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

80

60

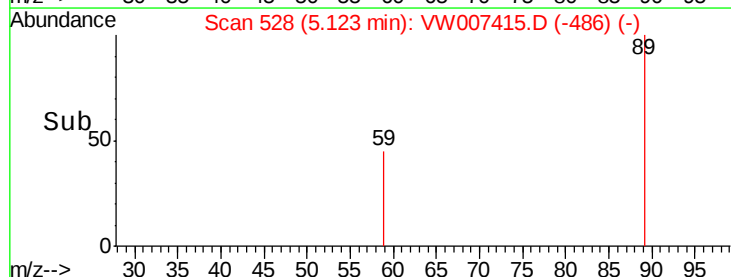
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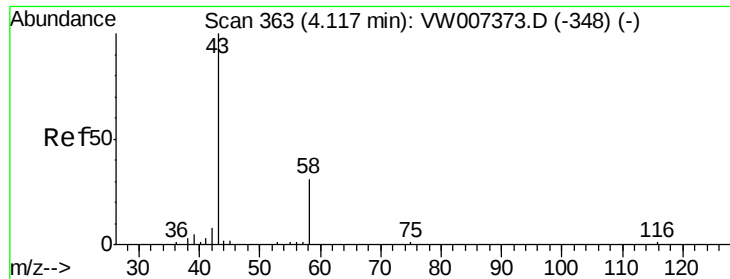
20

0

5.10 5.12 5.14 5.16

Time-->





#16

Acetone

Concen: 11.489 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007415.D

Acq: 12 Dec 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

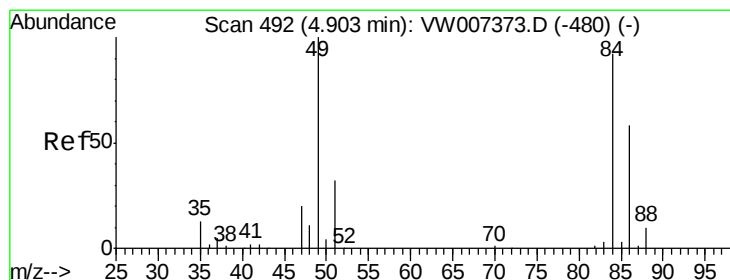
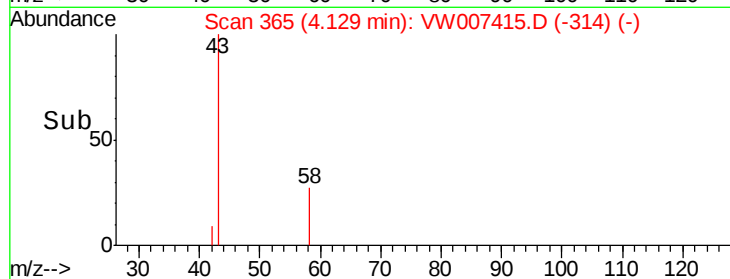
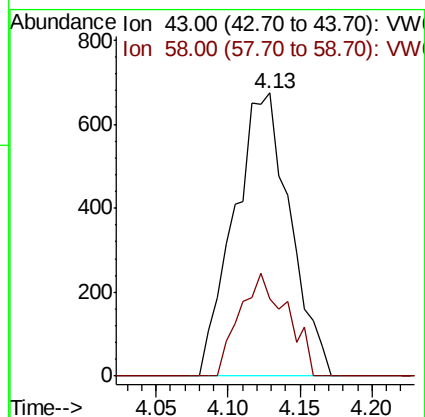
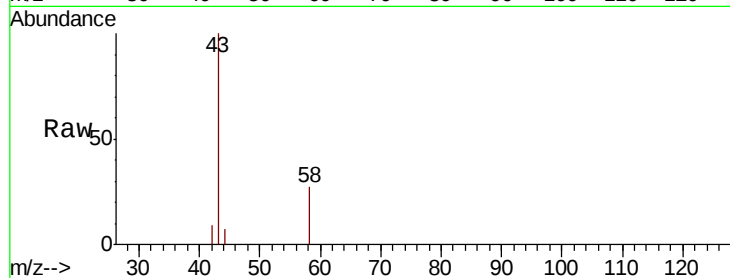
BF-01-120418

Tgt Ion: 43 Resp: 1820

Ion Ratio Lower Upper

43 100

58 27.4 24.9 37.3



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 492

Delta R.T. 0.00 min

Lab File: VW007415.D

Acq: 12 Dec 2018 01:46

Tgt Ion: 84 Resp: 944

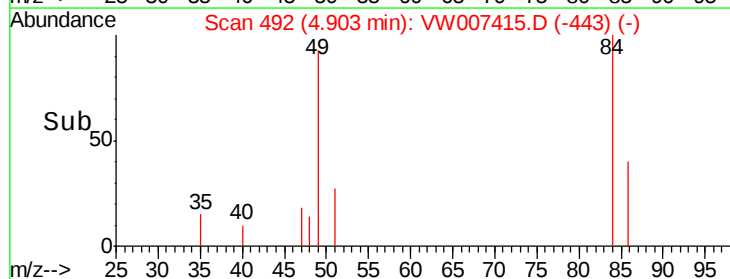
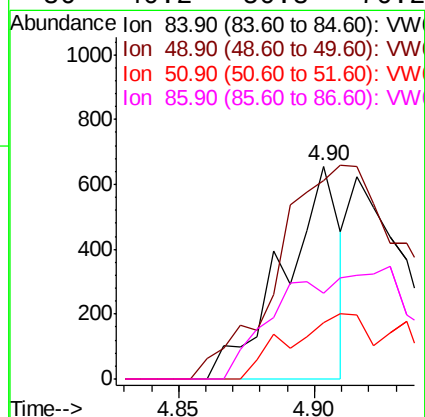
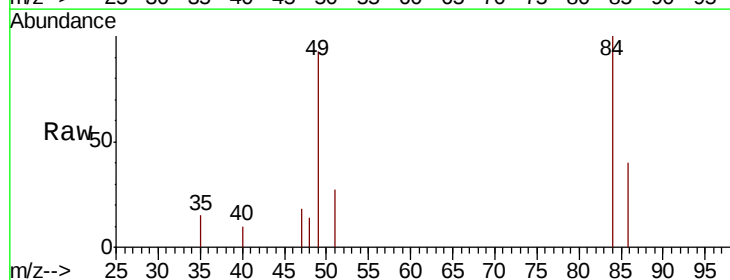
Ion Ratio Lower Upper

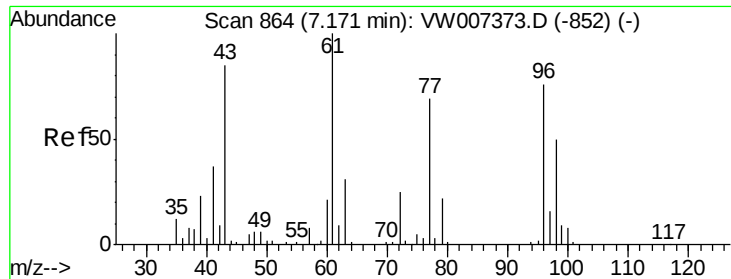
84 100

49 93.3 87.1 130.7

51 26.6 28.2 42.2#

86 40.2 50.8 76.2#





#25

2-Butanone

Concen: 1.306 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW007415.D

Acq: 12 Dec 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

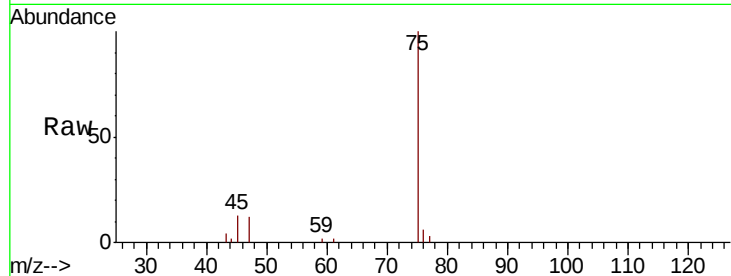
BF-01-120418

Tgt Ion: 43 Resp: 270

Ion Ratio Lower Upper

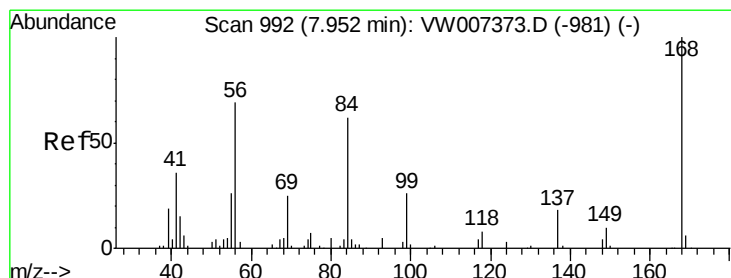
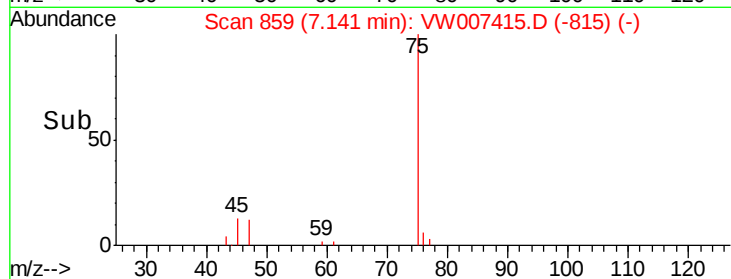
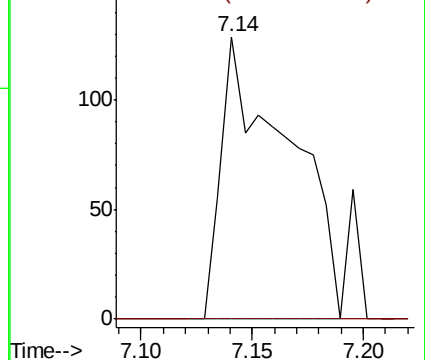
43 100

72 0.0 23.4 35.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.218 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007415.D

Acq: 12 Dec 2018 01:46

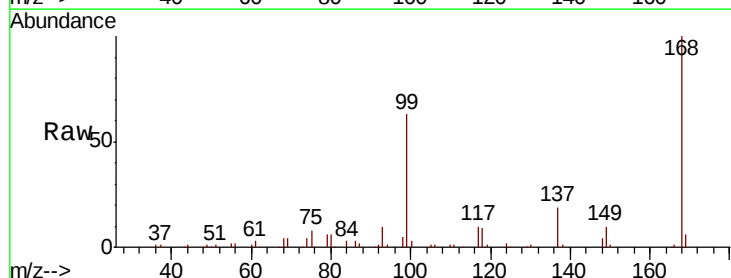
Tgt Ion: 56 Resp: 1716

Ion Ratio Lower Upper

56 100

69 184.9 28.9 43.3#

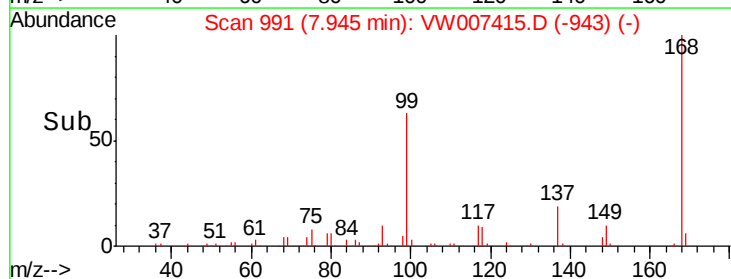
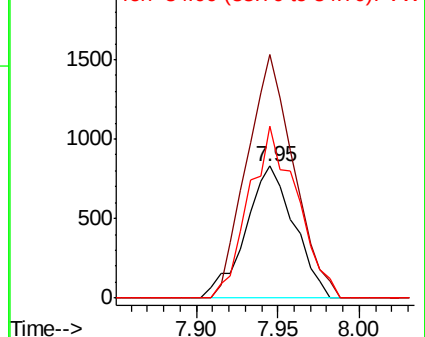
84 130.2 71.8 107.6#

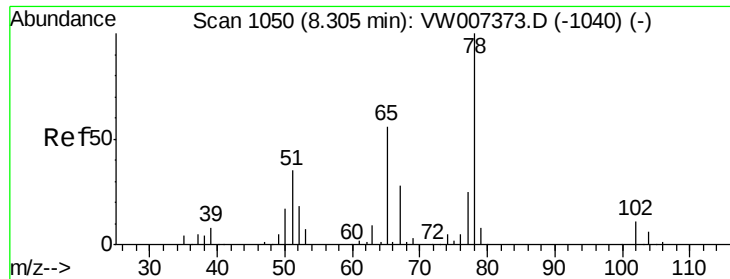


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 48.429 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007415.D

Acq: 12 Dec 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

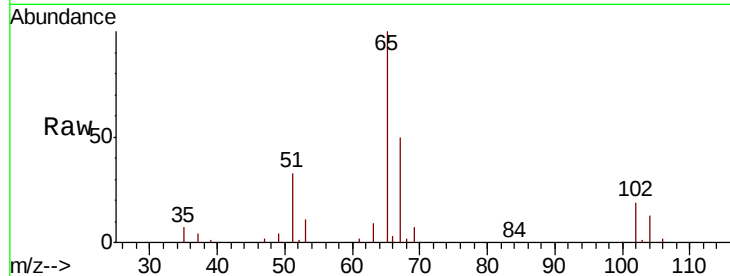
BF-01-120418

Tgt Ion: 65 Resp: 43921

Ion Ratio Lower Upper

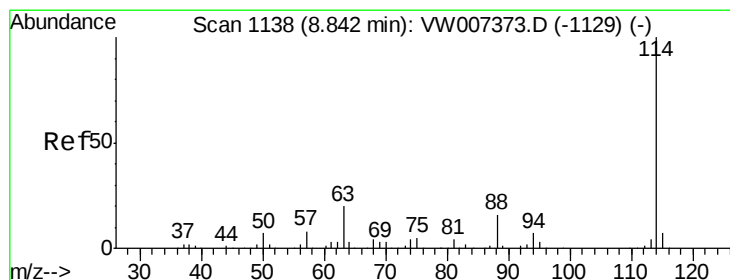
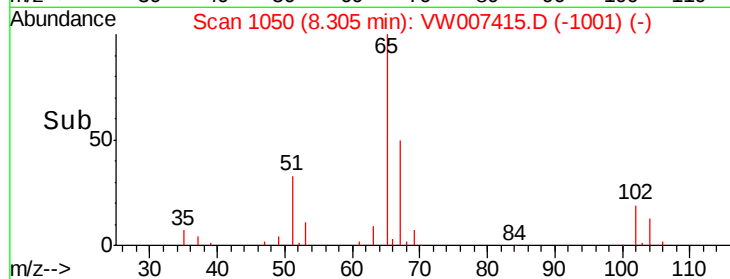
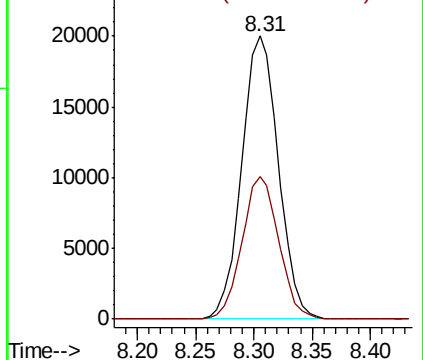
65 100

67 50.5 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW007415.D

Acq: 12 Dec 2018 01:46

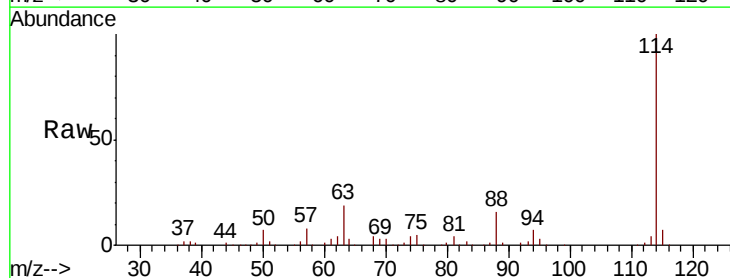
Tgt Ion: 114 Resp: 152497

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

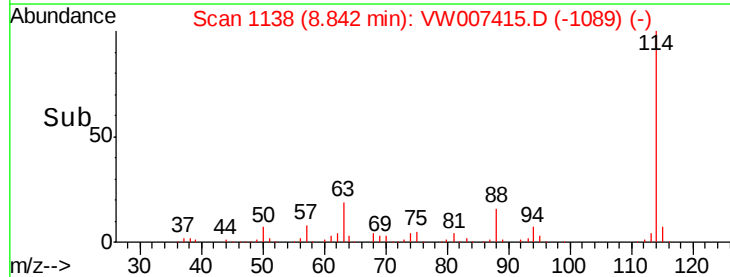
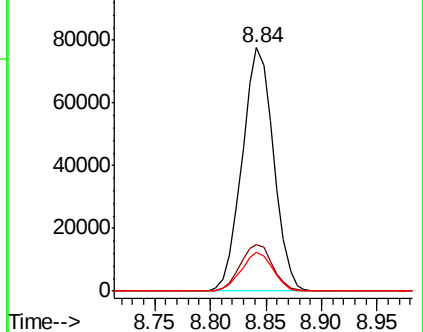
88 15.9 0.0 31.4

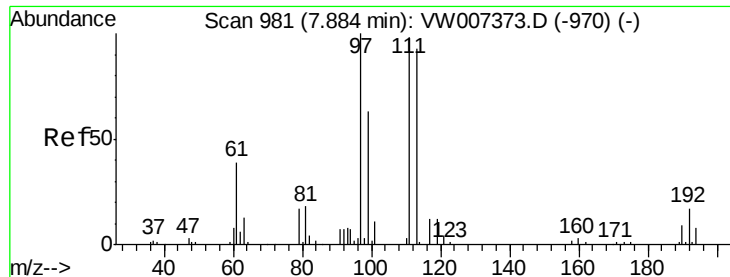


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

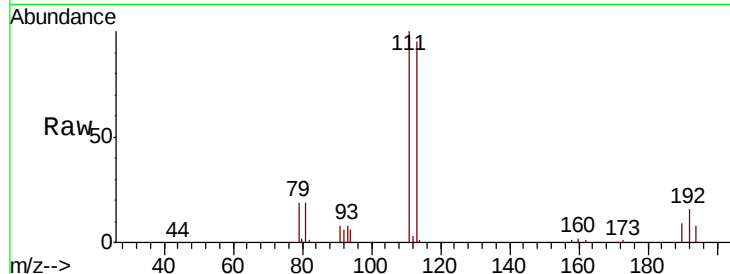




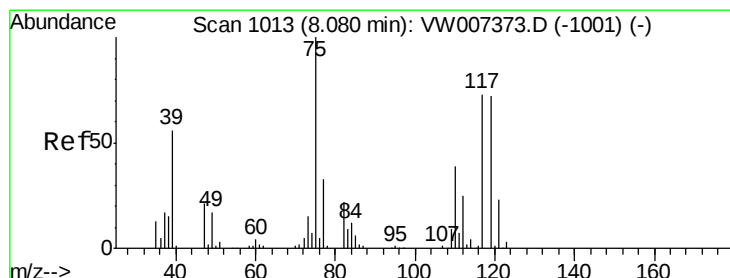
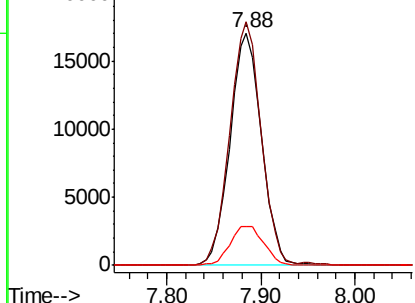
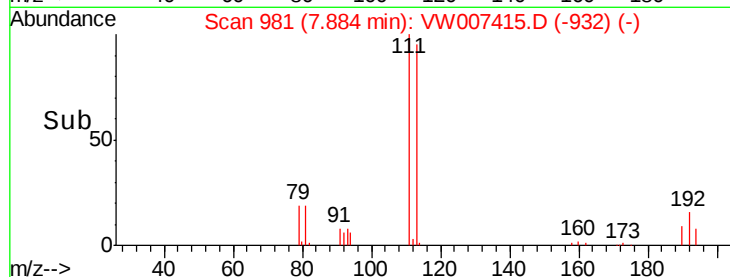
#35
 Dibromofluoromethane
 Concen: 42.837 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007415.D
 Acq: 12 Dec 2018 01:46

Instrument :
 MSVOA_W
 ClientSampleId :
 BF-01-120418

Tgt Ion: 113 Resp: 39544
 Ion Ratio Lower Upper
 113 100
 111 103.9 81.1 121.7
 192 18.1 14.6 21.8

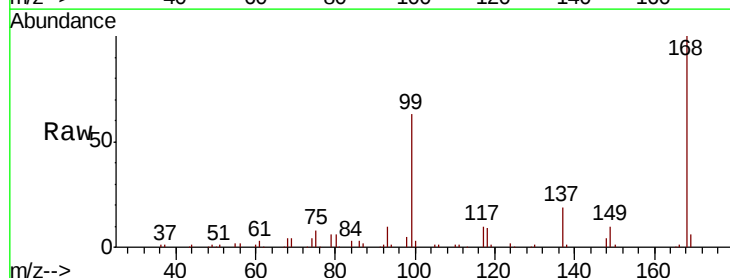


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

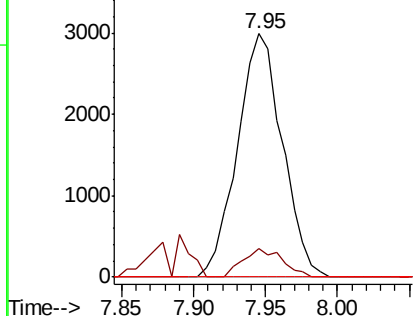
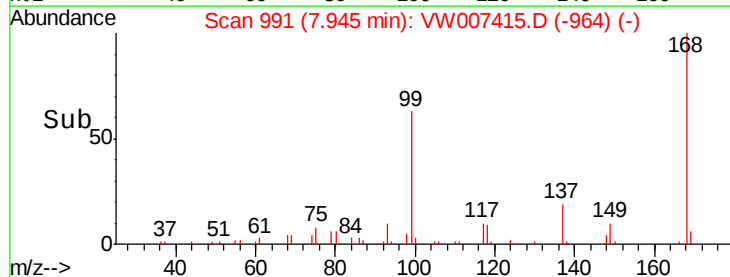


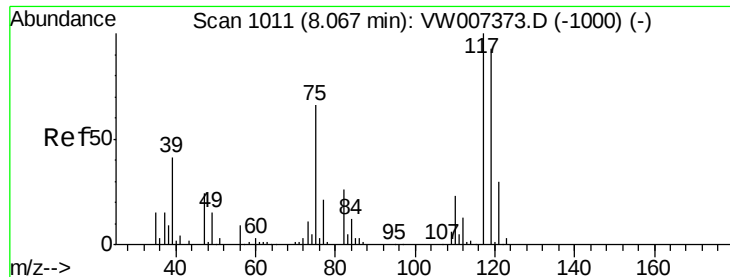
#36
 1,1-Dichloropropene
 Concen: 4.647 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007415.D
 Acq: 12 Dec 2018 01:46

Tgt Ion: 75 Resp: 6465
 Ion Ratio Lower Upper
 75 100
 110 10.3 18.5 55.5#
 77 0.0 25.6 38.4#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.787 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007415.D

Acq: 12 Dec 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

BF-01-120418

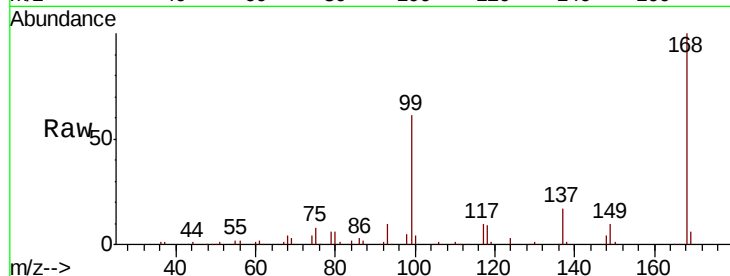
Tgt Ion:117 Resp: 8759

Ion Ratio Lower Upper

117 100

119 6.5 74.3 111.5#

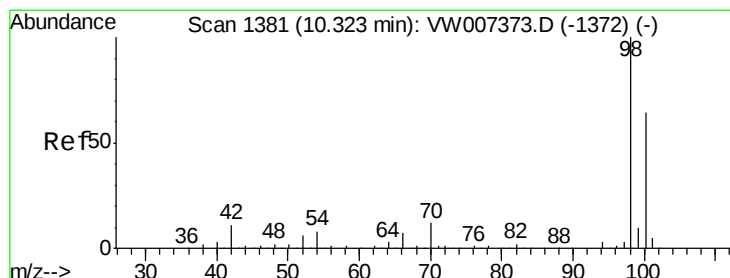
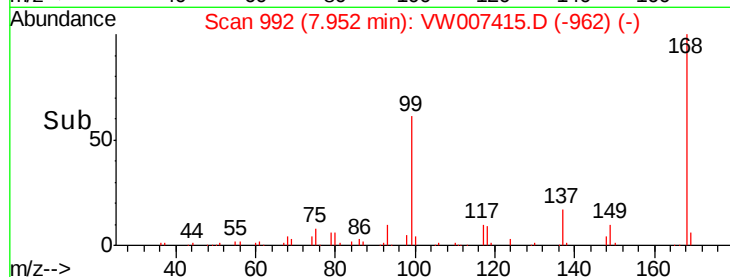
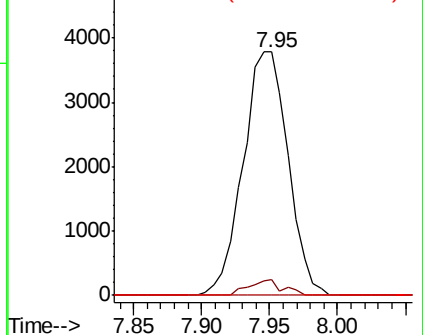
121 0.0 24.3 36.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 38.882 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007415.D

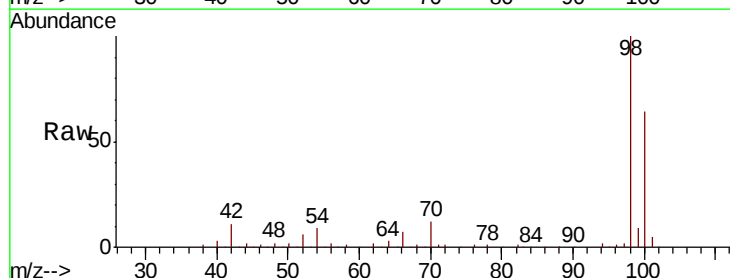
Acq: 12 Dec 2018 01:46

Tgt Ion: 98 Resp: 134579

Ion Ratio Lower Upper

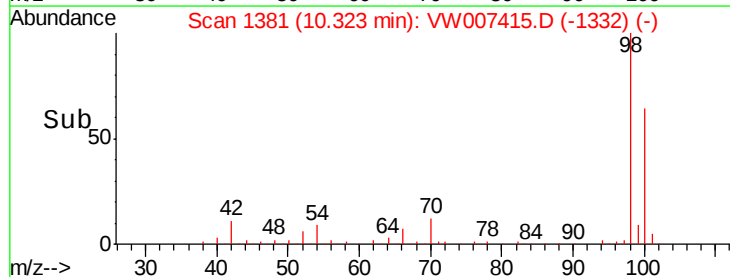
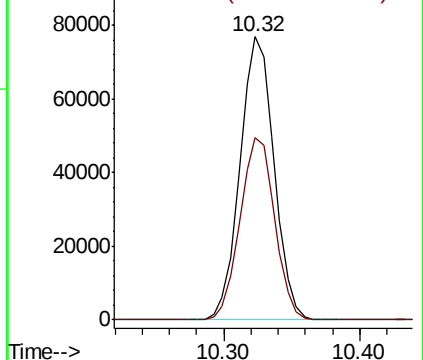
98 100

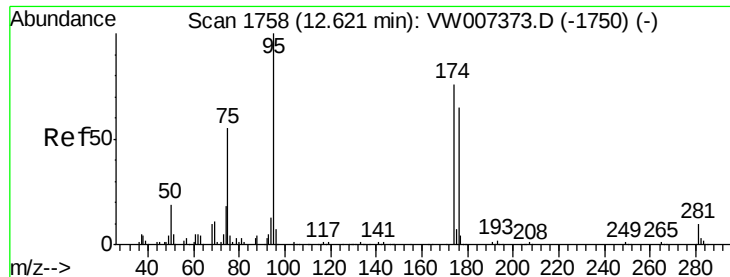
100 65.4 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

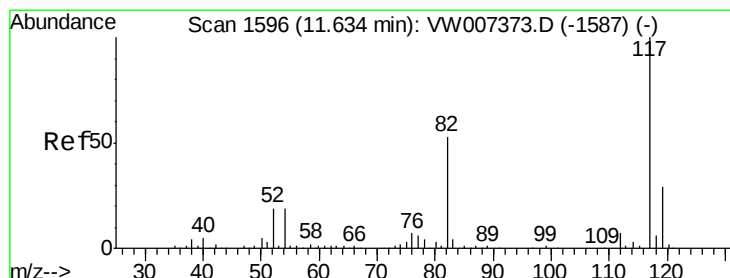
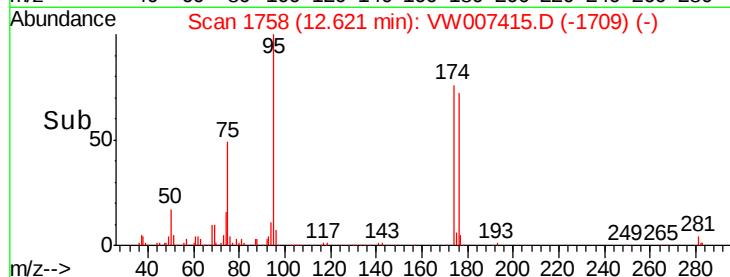
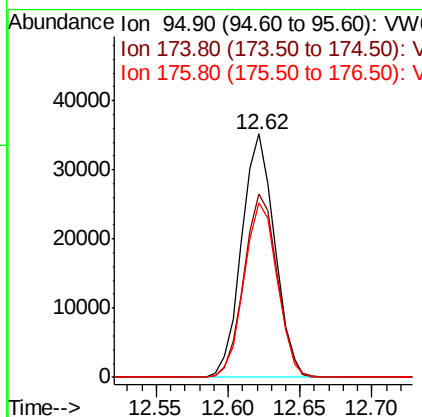
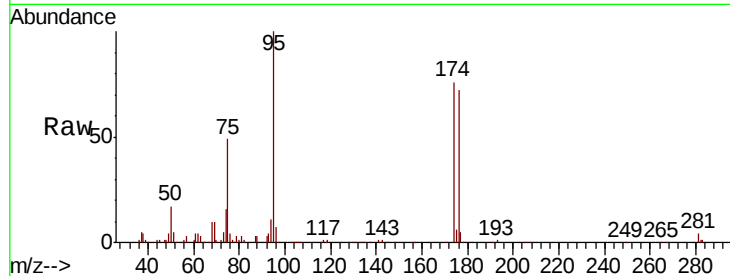




#62
4-Bromofluorobenzene
Concen: 43.852 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007415.D
Acq: 12 Dec 2018 01:46

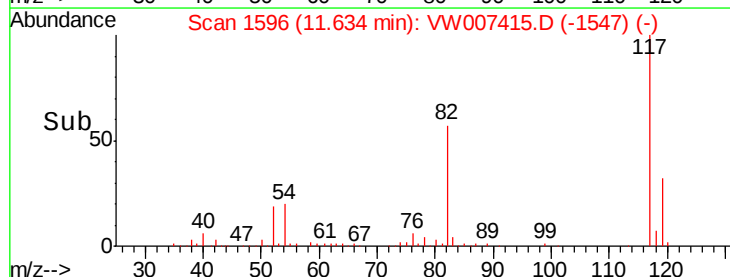
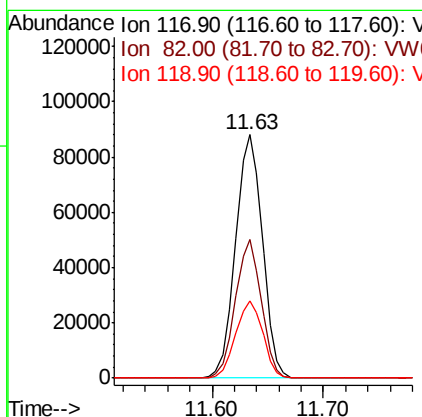
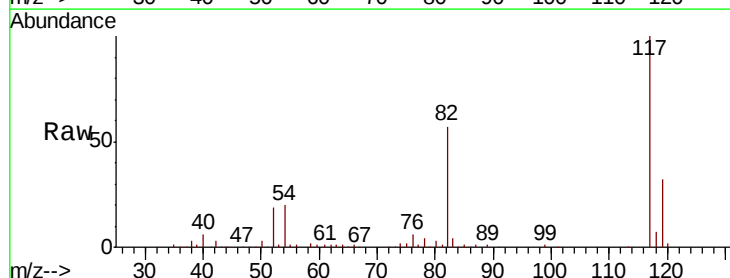
Instrument :
MSVOA_W
ClientSampleId :
BF-01-120418

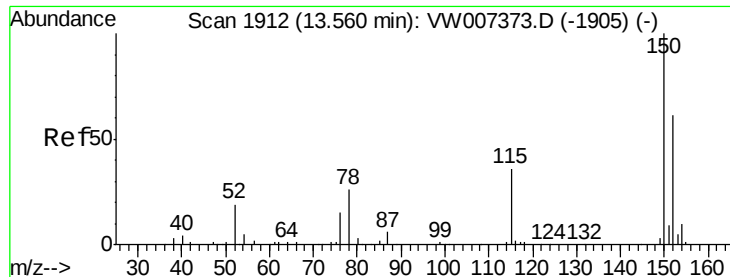
Tgt Ion: 95 Resp: 55806
Ion Ratio Lower Upper
95 100
174 76.2 0.0 147.2
176 72.2 0.0 138.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007415.D
Acq: 12 Dec 2018 01:46

Tgt Ion: 117 Resp: 146809
Ion Ratio Lower Upper
117 100
82 56.7 42.3 63.5
119 31.8 23.0 34.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007415.D

Acq: 12 Dec 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

BF-01-120418

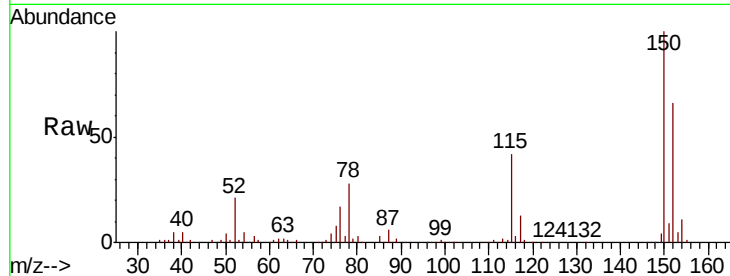
Tgt Ion:152 Resp: 70784

Ion Ratio Lower Upper

152 100

115 62.2 31.4 94.2

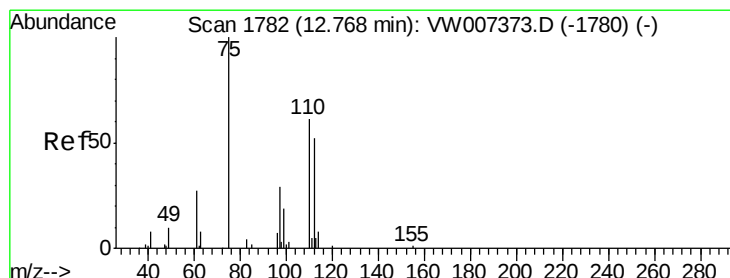
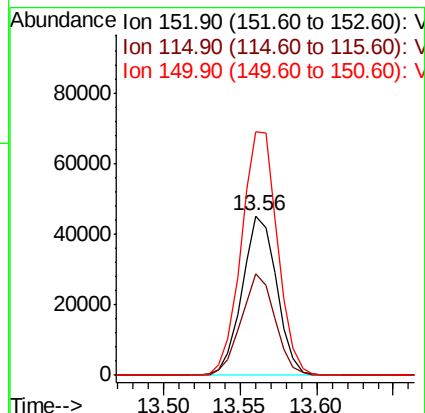
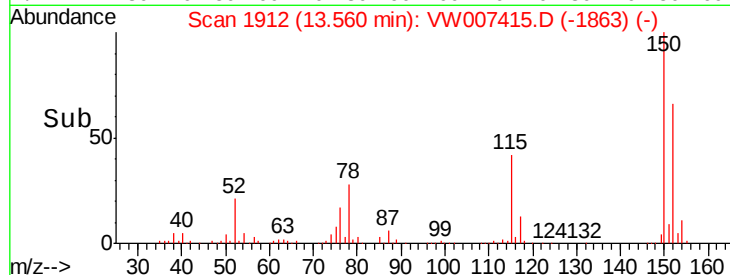
150 158.9 0.0 358.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 48.022 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007415.D

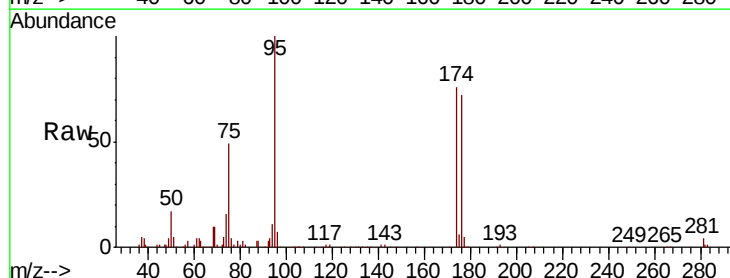
Acq: 12 Dec 2018 01:46

Tgt Ion: 75 Resp: 28027

Ion Ratio Lower Upper

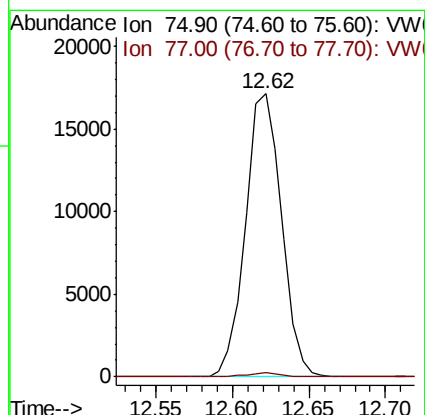
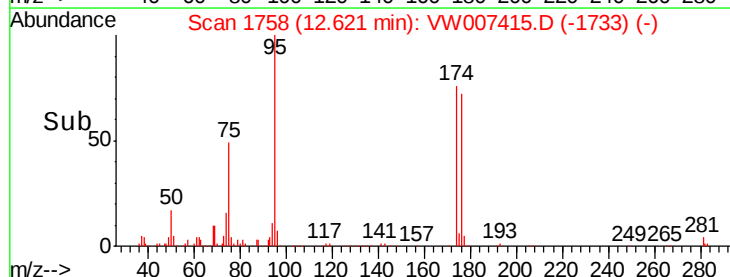
75 100

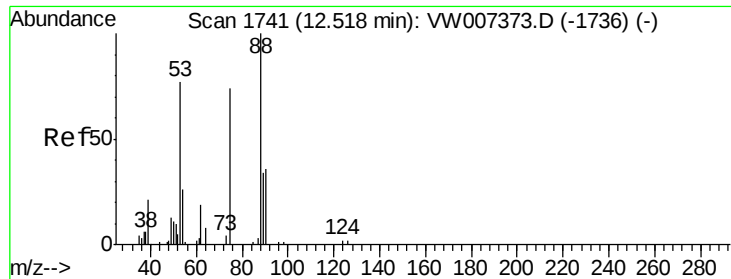
77 1.1 166.9 500.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 106.080 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007415.D

Acq: 12 Dec 2018 01:46

Instrument :

MSVOA_W

ClientSampleId :

BF-01-120418

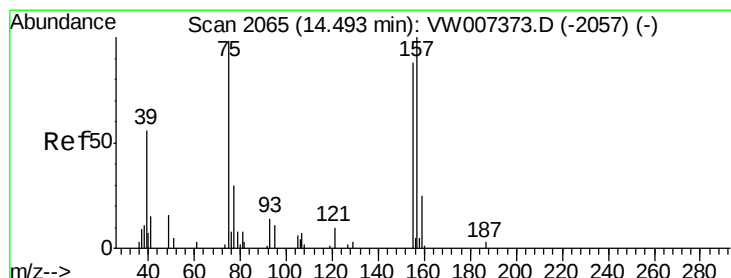
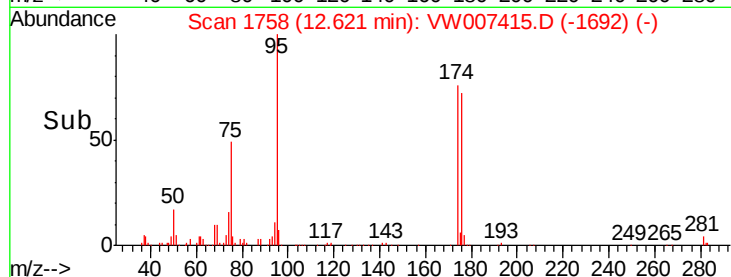
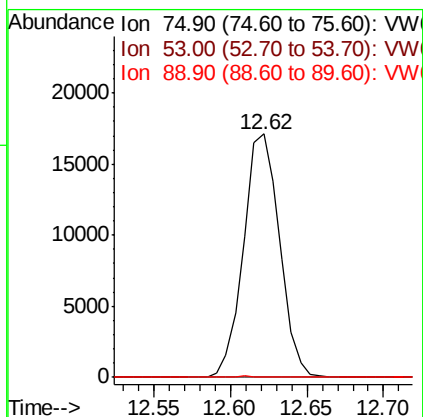
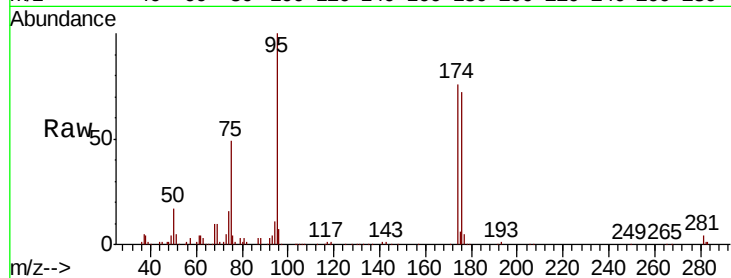
Tgt Ion: 75 Resp: 28027

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.2 40.3 60.5#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.047 ug/l

RT: 14.33 min Scan# 2039

Delta R.T. -0.16 min

Lab File: VW007415.D

Acq: 12 Dec 2018 01:46

Tgt Ion: 75 Resp: 330

Ion Ratio Lower Upper

75 100

155 0.0 40.8 122.2#

157 0.0 51.1 153.4#

