

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
 Data File : VW007873.D
 Acq On : 23 Dec 2018 06:08
 Operator : SY/AP
 Sample : J6446-01
 Misc : 3.63G/5ML/MSVOA_W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS022-0612-02

Quant Time: Dec 24 00:00:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	48459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	70783	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	34455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	7699	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	34077	64.16	ug/l	0.00
Spiked Amount			Recovery	=	128.32%	
35) Dibromofluoromethane	7.88	113	25759	59.65	ug/l	0.00
Spiked Amount			Recovery	=	119.30%	
50) Toluene-d8	10.32	98	67441	41.43	ug/l	0.00
Spiked Amount			Recovery	=	82.86%	
62) 4-Bromofluorobenzene	12.62	95	11723	18.64	ug/l	0.00
Spiked Amount			Recovery	=	37.28%	

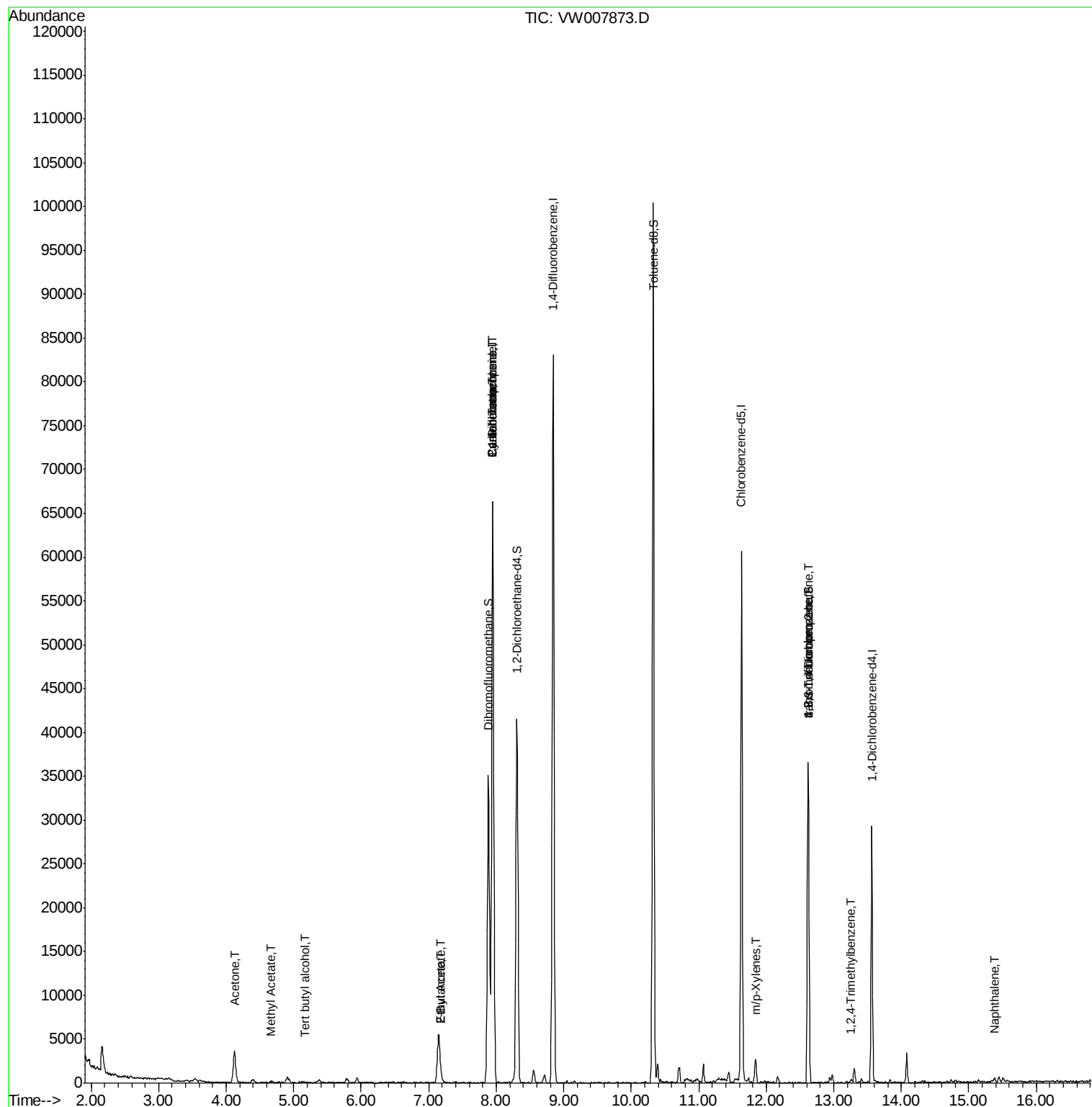
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	101	2.819	ug/l #	73
16) Acetone	4.12	43	6213	62.468	ug/l	90
18) Methyl Acetate	4.67	43	252	1.065	ug/l #	65
20) Methylene Chloride	4.90	84	413	Below Cal	#	73
25) 2-Butanone	7.18	43	1295	11.116	ug/l #	80
31) Cyclohexane	7.95	56	988	1.250	ug/l #	2
36) 1,1-Dichloropropene	7.95	75	3646	5.337	ug/l #	51
37) Ethyl Acetate	7.18	43	1295	5.493	ug/l #	68
38) Carbon Tetrachloride	7.95	117	5257	6.534	ug/l #	14
68) m/p-Xylenes	11.84	106	1058	2.131	ug/l	87
76) 1,2,3-Trichloropropane	12.62	75	6056	101.771	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	6056	213.625	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.26	105	531	1.048	ug/l	79
95) Naphthalene	15.38	128	735	2.416	ug/l #	69

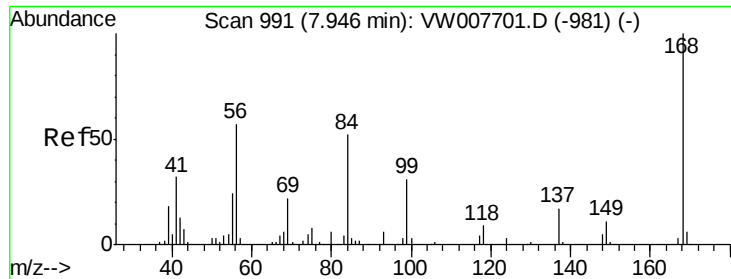
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007873.D

Acq: 23 Dec 2018 06:08

Instrument :

MSVOA_W

ClientSampleId :

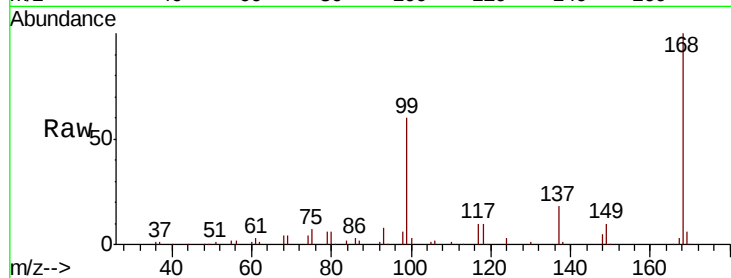
P001-SS022-0612-02

Tgt Ion: 168 Resp: 48459

Ion Ratio Lower Upper

168 100

99 59.8 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

25000

20000

15000

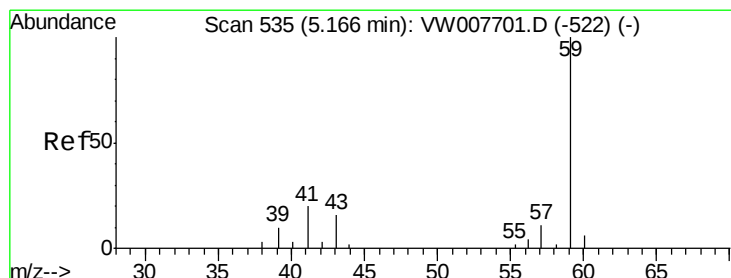
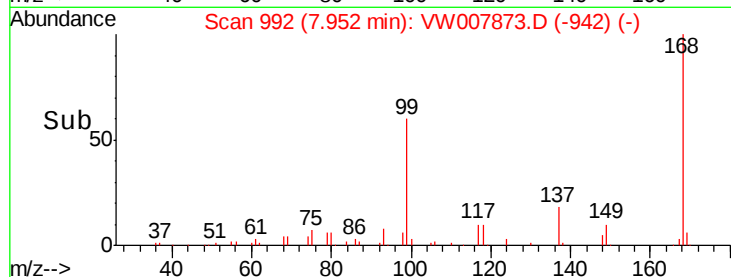
10000

5000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#11

Tert butyl alcohol

Concen: 2.819 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW007873.D

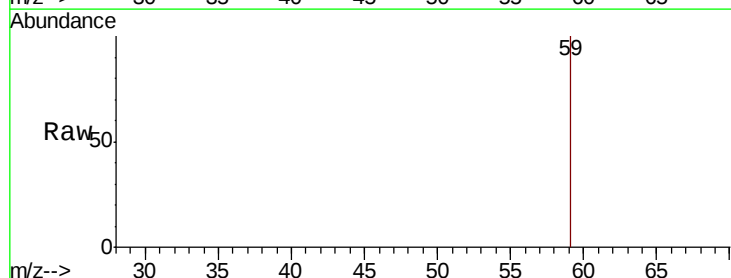
Acq: 23 Dec 2018 06:08

Tgt Ion: 59 Resp: 101

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

120

100

80

60

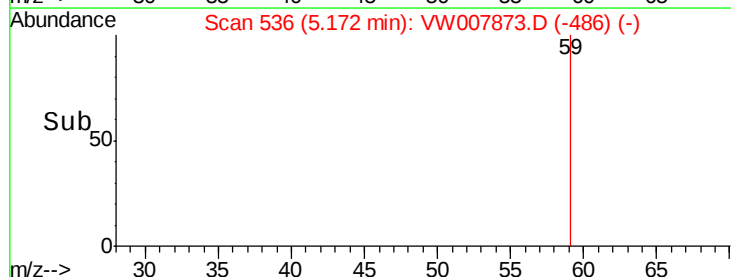
40

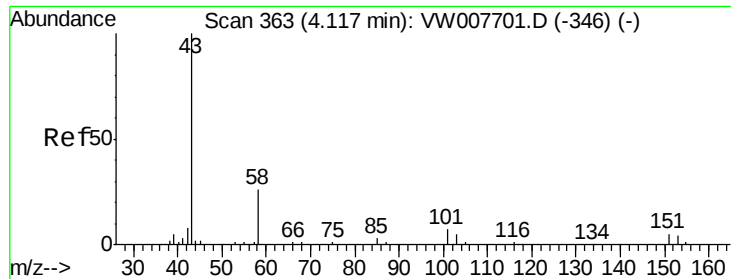
20

0

Time-->

5.14 5.16 5.18





#16

Acetone

Concen: 62.468 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007873.D

Acq: 23 Dec 2018 06:08

Instrument :

MSVOA_W

ClientSampleId :

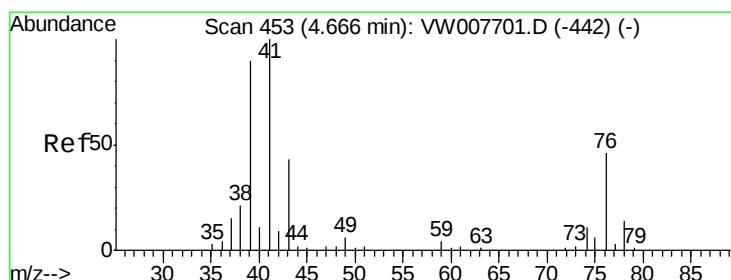
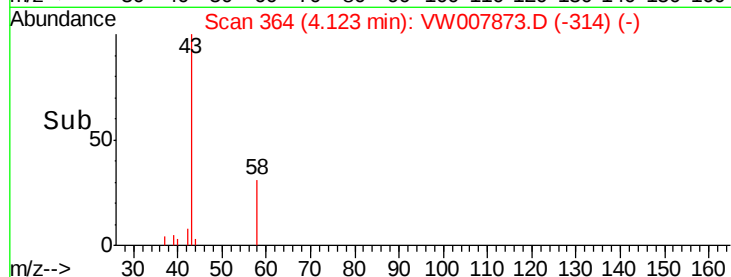
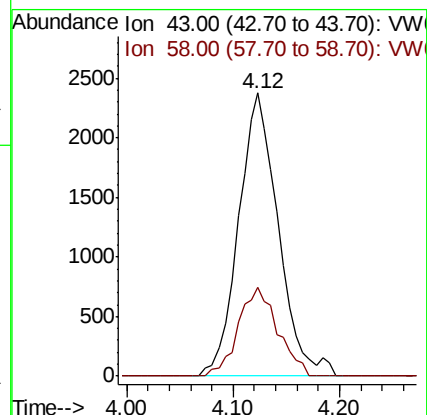
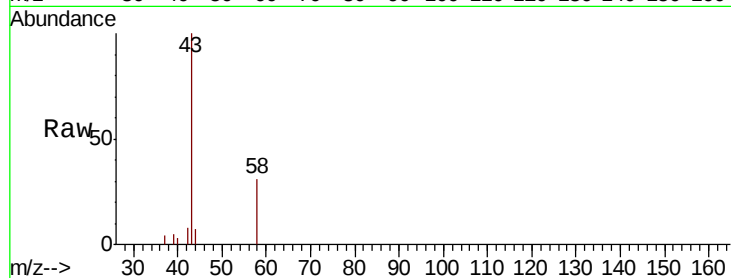
P001-SS022-0612-02

Tgt Ion: 43 Resp: 6213

Ion Ratio Lower Upper

43 100

58 31.5 21.2 31.8



#18

Methyl Acetate

Concen: 1.065 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW007873.D

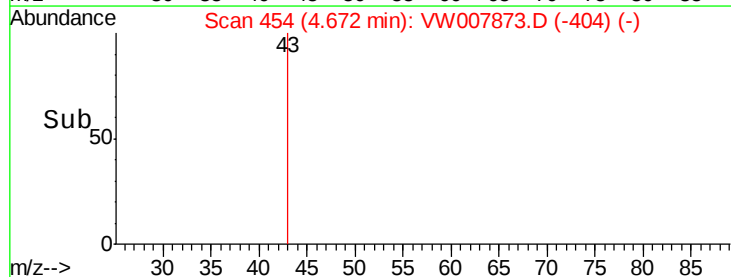
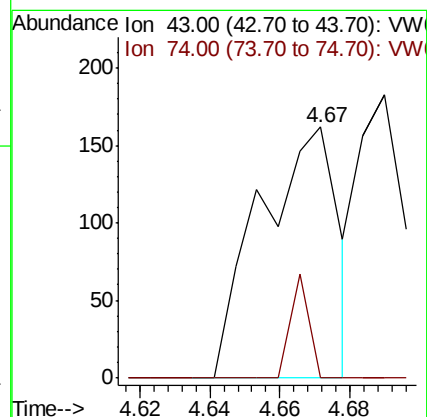
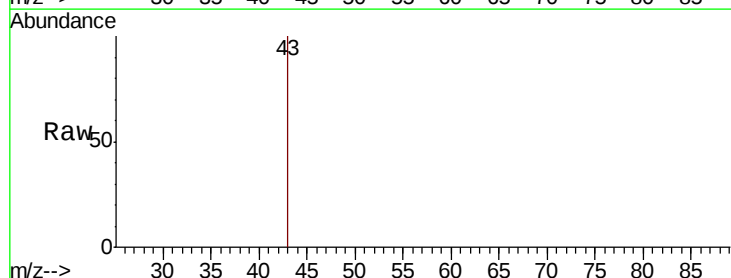
Acq: 23 Dec 2018 06:08

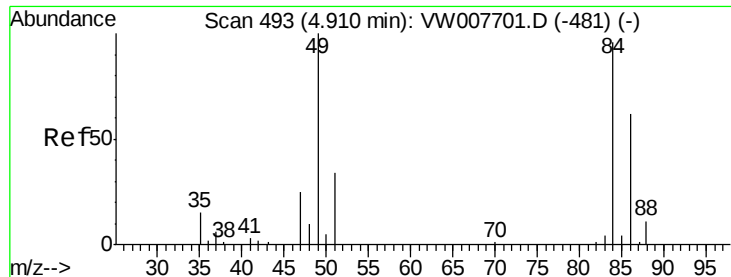
Tgt Ion: 43 Resp: 252

Ion Ratio Lower Upper

43 100

74 9.9 22.7 34.1#

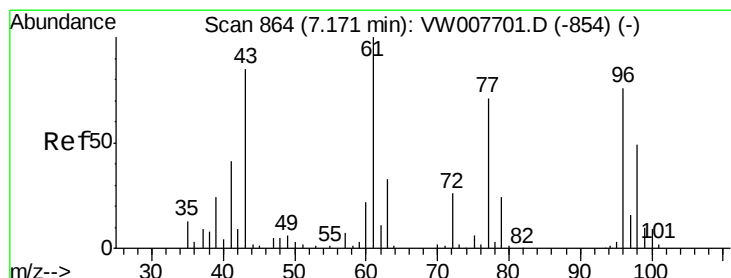
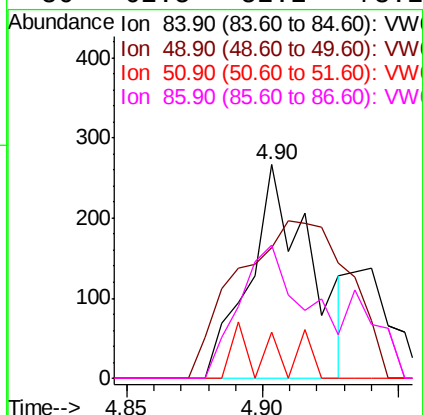
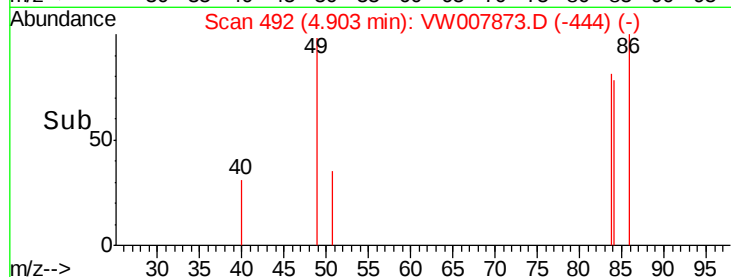
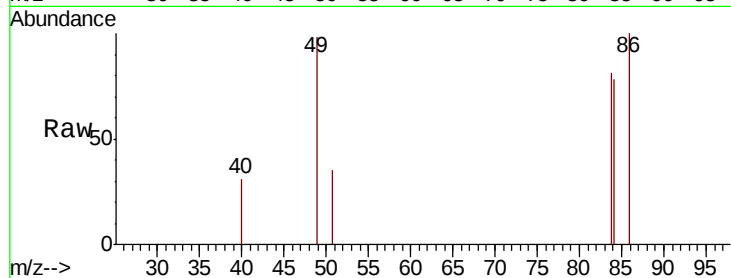




#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW007873.D
Acq: 23 Dec 2018 06:08

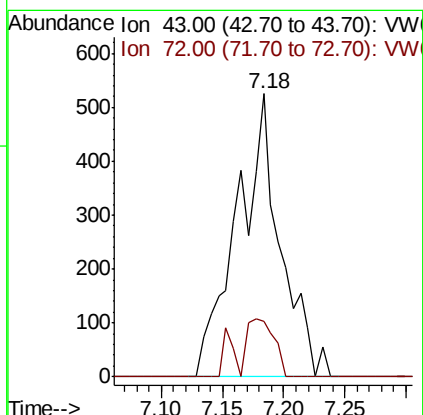
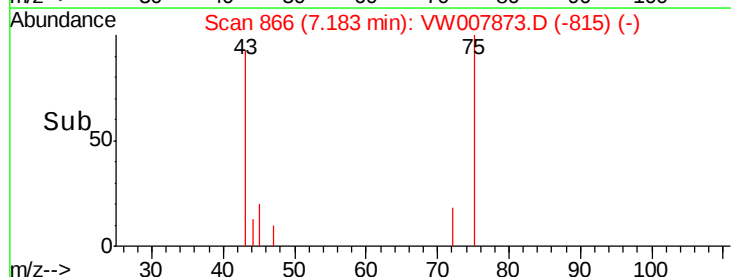
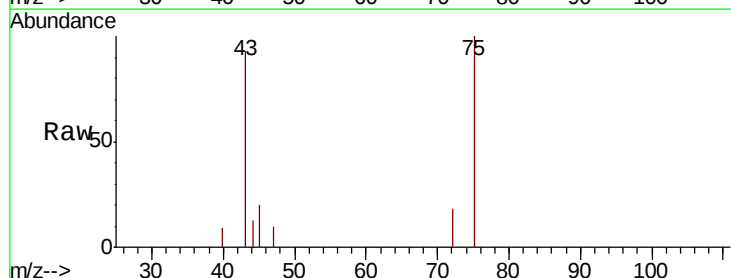
Instrument :
MSVOA_W
ClientSampleId :
P001-SS022-0612-02

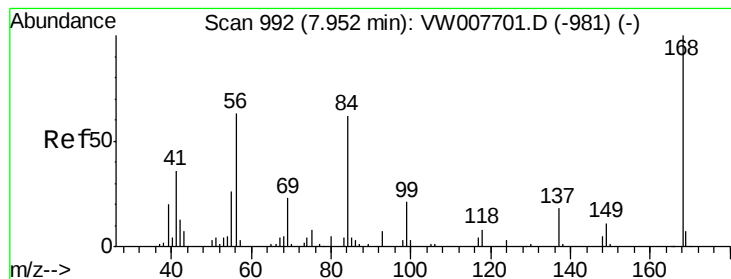
Tgt Ion: 84 Resp: 413
Ion Ratio Lower Upper
84 100
49 61.0 83.7 125.5#
51 21.7 28.2 42.2#
86 62.5 52.2 78.2



#25
2-Butanone
Concen: 11.116 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW007873.D
Acq: 23 Dec 2018 06:08

Tgt Ion: 43 Resp: 1295
Ion Ratio Lower Upper
43 100
72 19.4 24.5 36.7#





#31

Cyclohexane

Concen: 1.250 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007873.D

Acq: 23 Dec 2018 06:08

Instrument :

MSVOA_W

ClientSampleId :

P001-SS022-0612-02

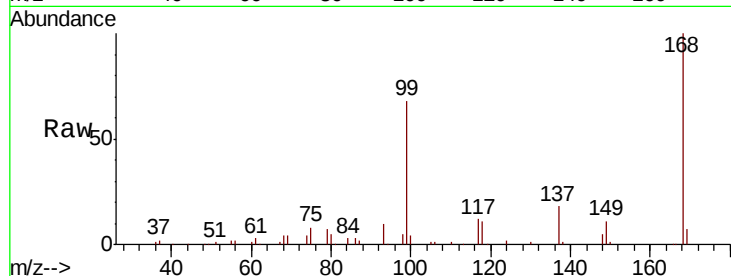
Tgt Ion: 56 Resp: 988

Ion Ratio Lower Upper

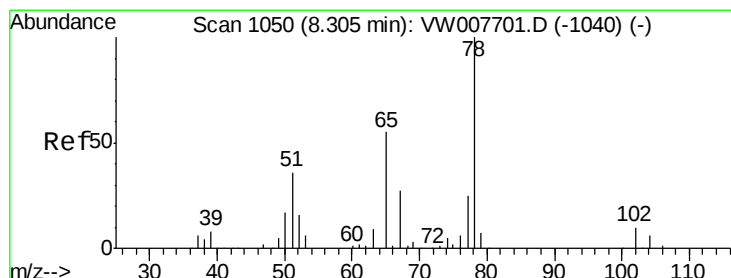
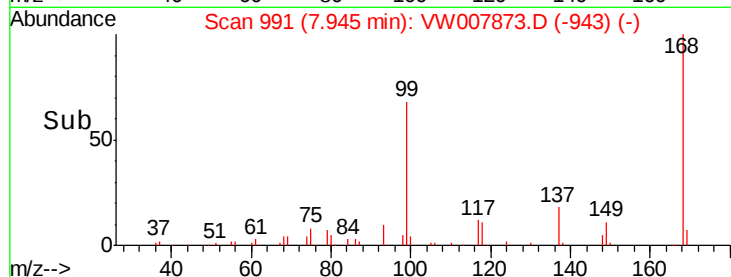
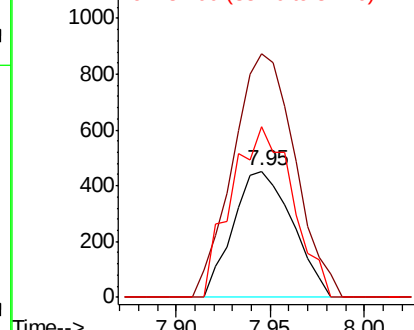
56 100

69 192.7 29.7 44.5#

84 135.5 78.9 118.3#



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: 64.159 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007873.D

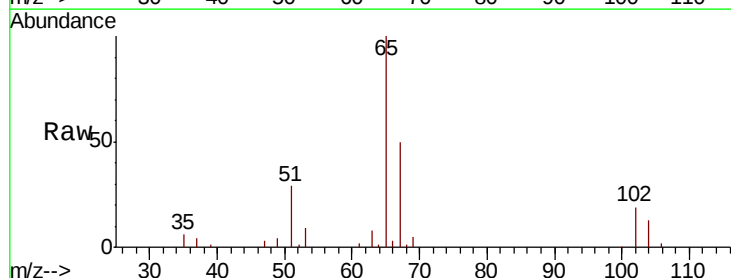
Acq: 23 Dec 2018 06:08

Tgt Ion: 65 Resp: 34077

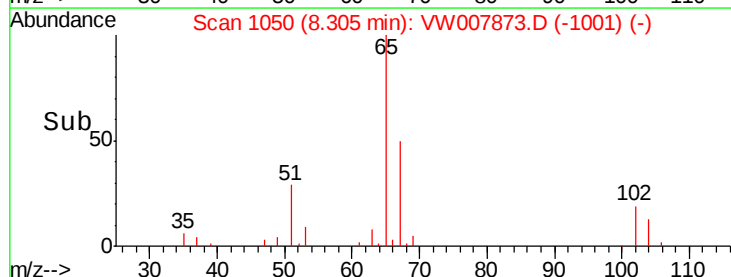
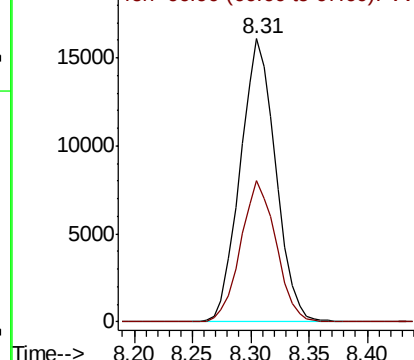
Ion Ratio Lower Upper

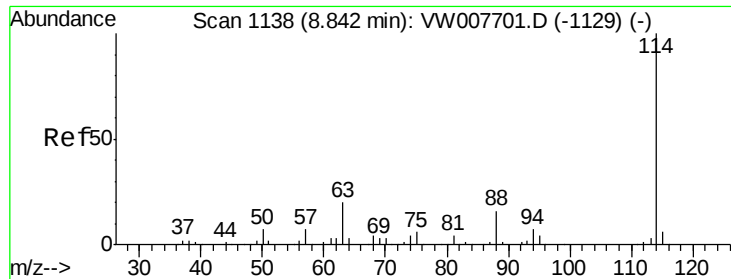
65 100

67 49.5 0.0 100.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

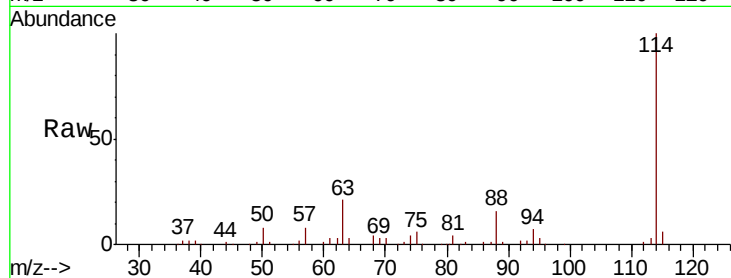




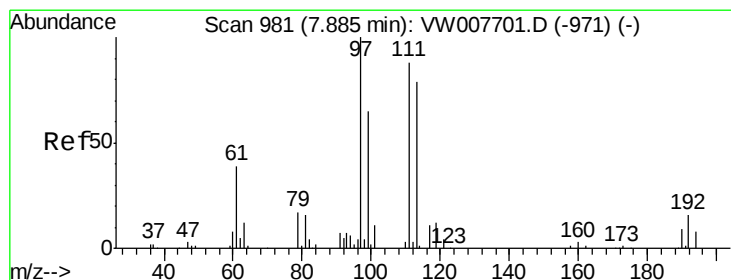
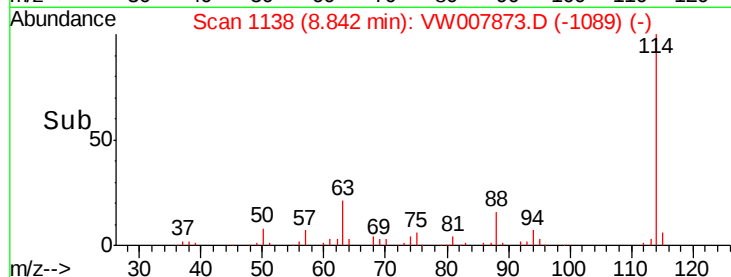
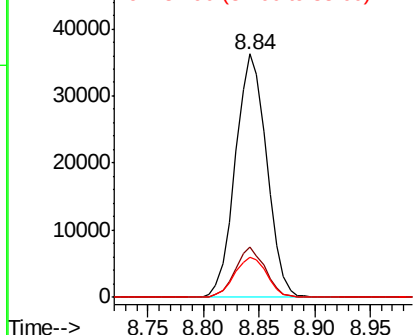
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007873.D
 Acq: 23 Dec 2018 06:08

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS022-0612-02

Tgt Ion:114 Resp: 70783
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.0
 88 16.3 0.0 32.6

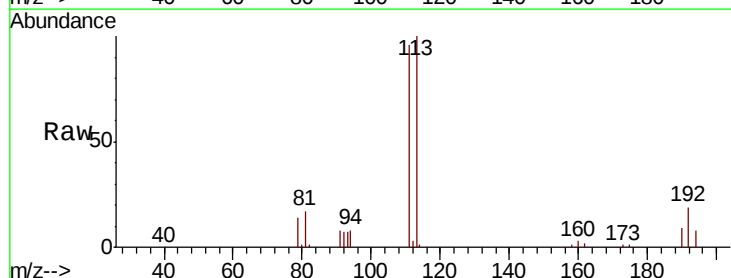


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

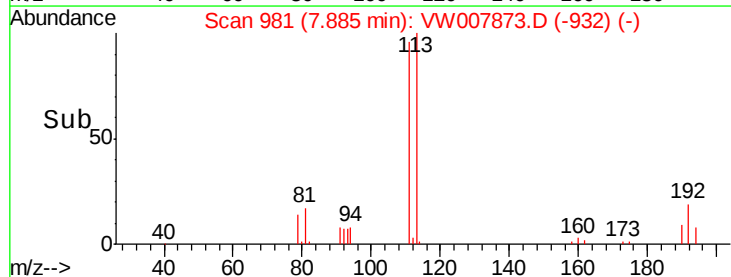
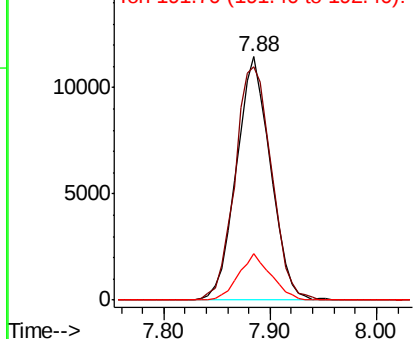


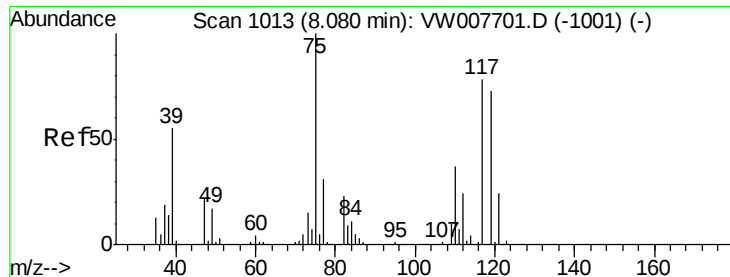
#35
 Dibromofluoromethane
 Concen: 59.653 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007873.D
 Acq: 23 Dec 2018 06:08

Tgt Ion:113 Resp: 25759
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.6 124.0
 192 18.1 15.5 23.3



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: 5.337 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007873.D

Acq: 23 Dec 2018 06:08

Instrument :

MSVOA_W

ClientSampleId :

P001-SS022-0612-02

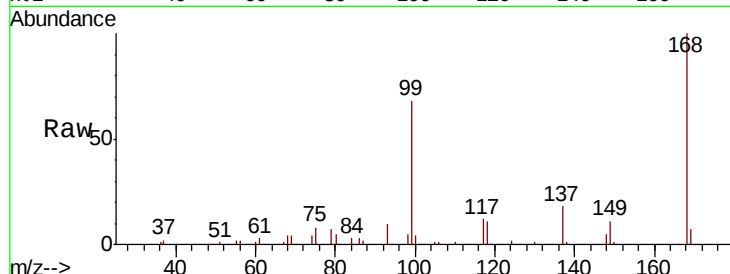
Tgt Ion: 75 Resp: 3646

Ion Ratio Lower Upper

75 100

110 11.4 18.6 55.8#

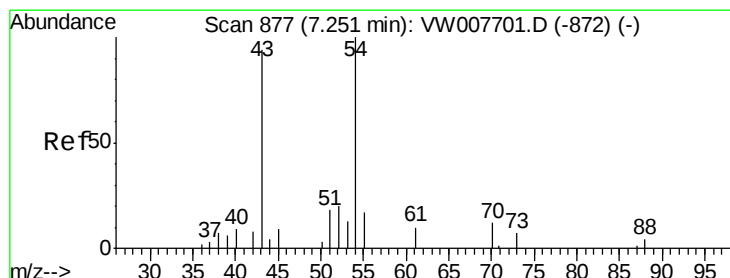
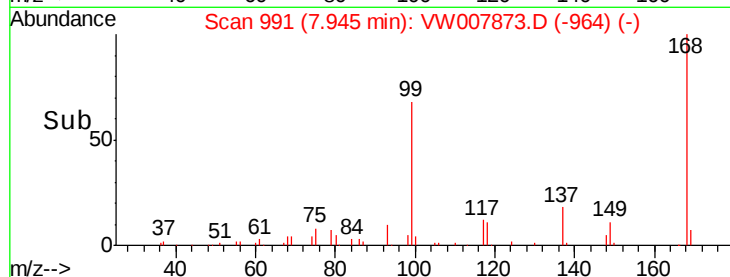
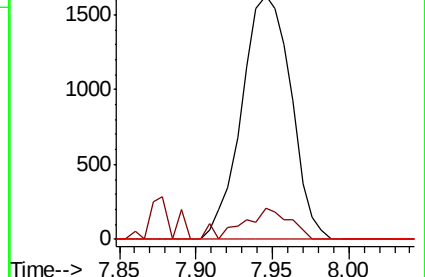
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 5.493 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.07 min

Lab File: VW007873.D

Acq: 23 Dec 2018 06:08

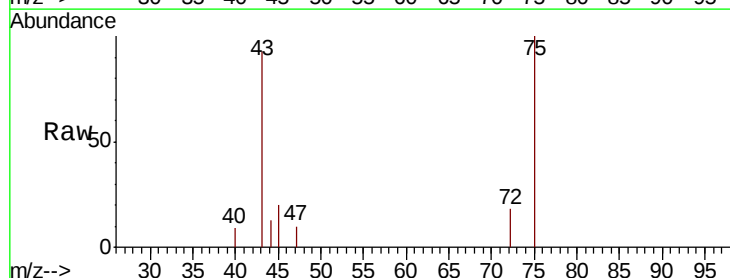
Tgt Ion: 43 Resp: 1295

Ion Ratio Lower Upper

43 100

61 0.0 11.2 16.8#

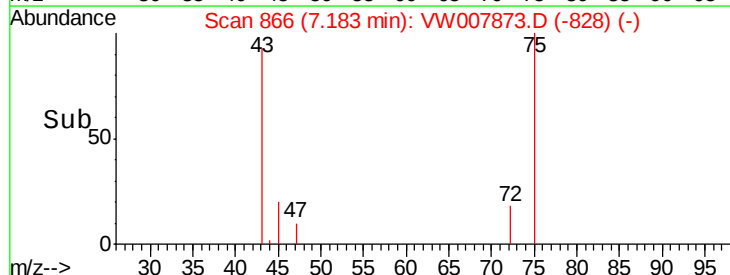
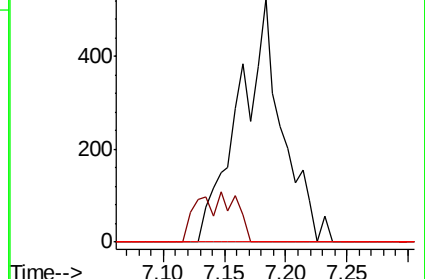
70 0.0 9.3 13.9#

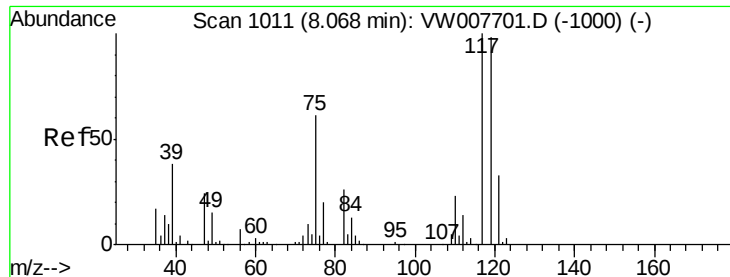


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW





#38

Carbon Tetrachloride

Concen: 6.534 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW007873.D

Acq: 23 Dec 2018 06:08

Instrument :

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ClientSampleId :

P001-SS022-0612-02

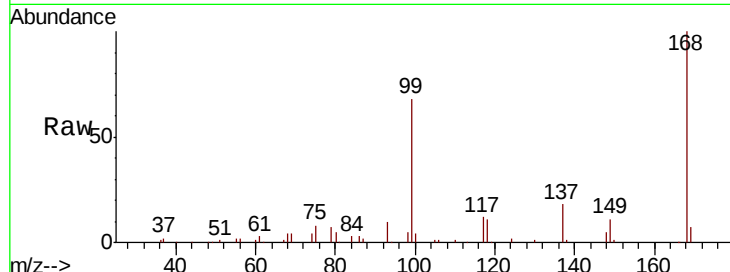
Tgt Ion:117 Resp: 5257

Ion Ratio Lower Upper

117 100

119 3.2 78.2 117.2#

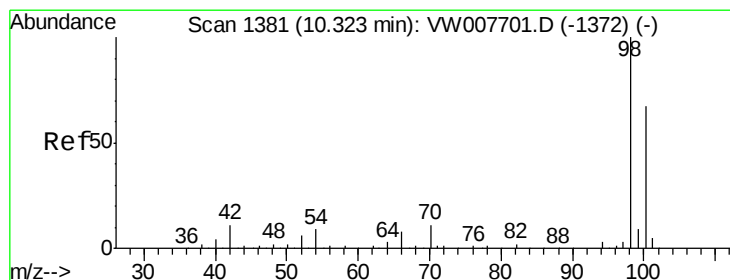
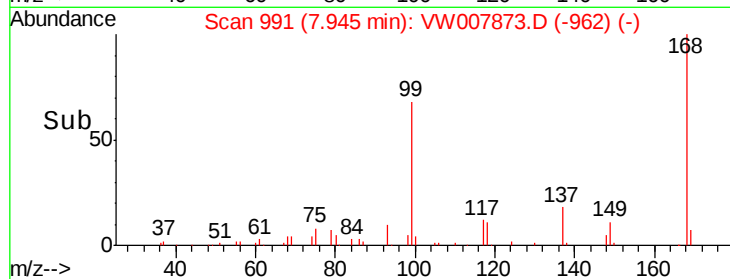
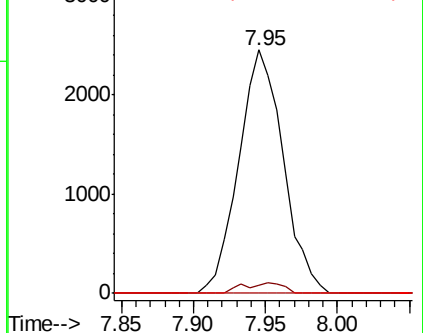
121 0.0 26.1 39.1#



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: 41.429 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007873.D

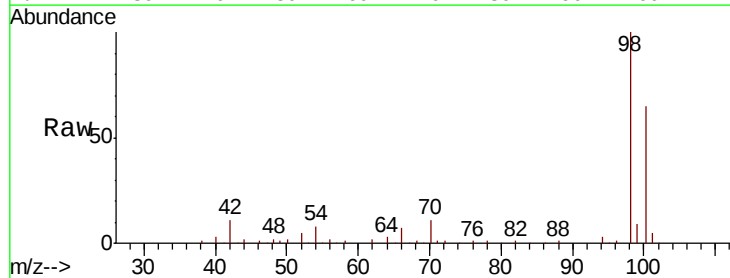
Acq: 23 Dec 2018 06:08

Tgt Ion: 98 Resp: 67441

Ion Ratio Lower Upper

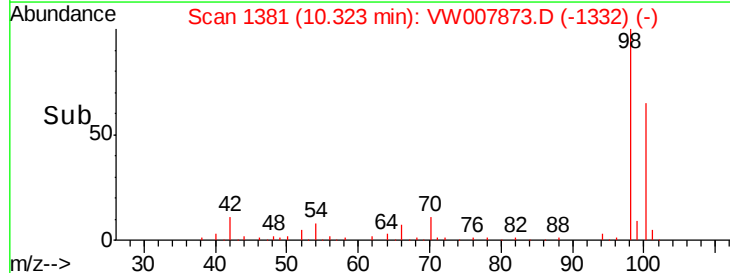
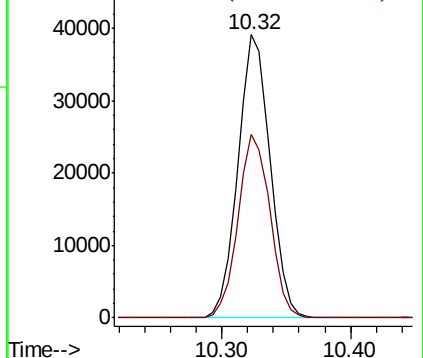
98 100

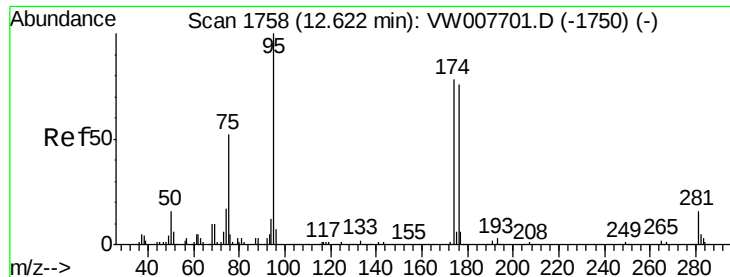
100 64.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 18.641 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007873.D

Acq: 23 Dec 2018 06:08

Instrument :

MSVOA_W

ClientSampleId :

P001-SS022-0612-02

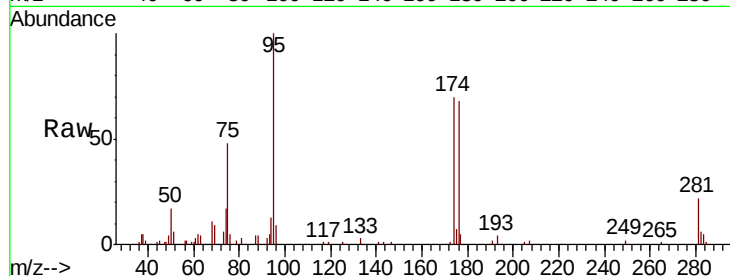
Tgt Ion: 95 Resp: 11723

Ion Ratio Lower Upper

95 100

174 71.4 0.0 152.2

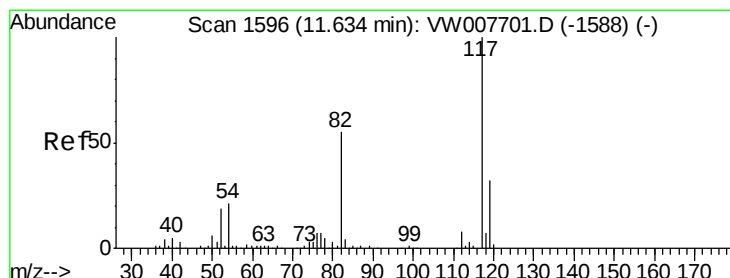
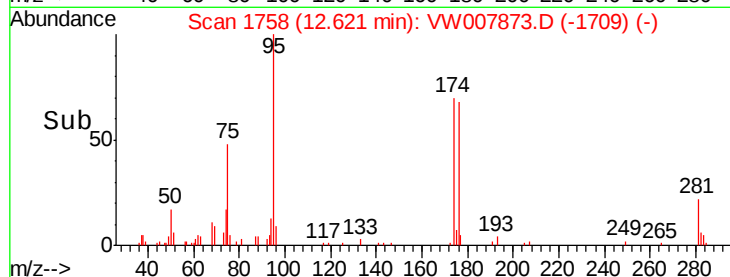
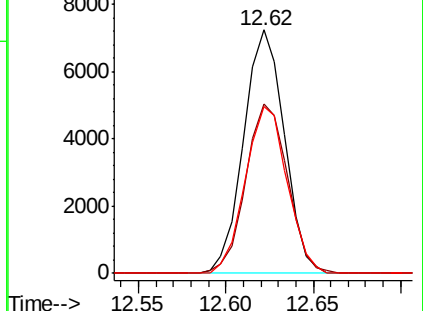
176 70.6 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007873.D

Acq: 23 Dec 2018 06:08

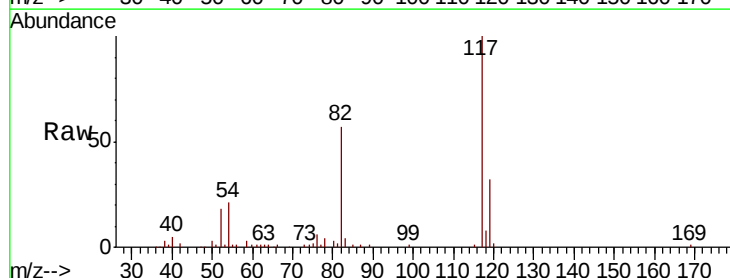
Tgt Ion: 117 Resp: 34455

Ion Ratio Lower Upper

117 100

82 56.6 44.3 66.5

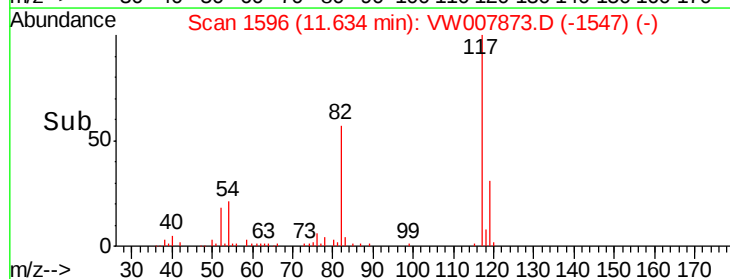
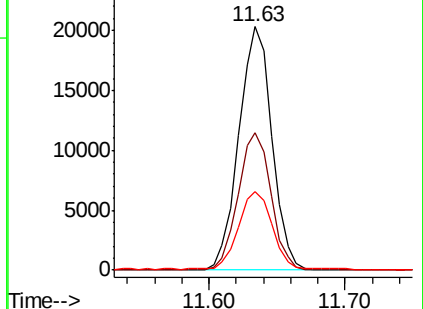
119 31.7 25.7 38.5

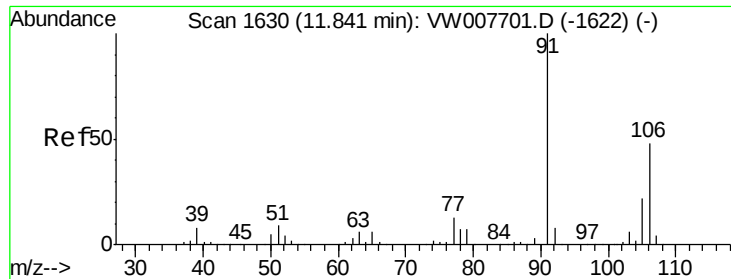


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW

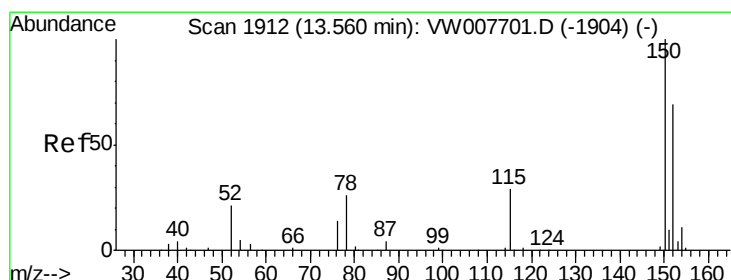
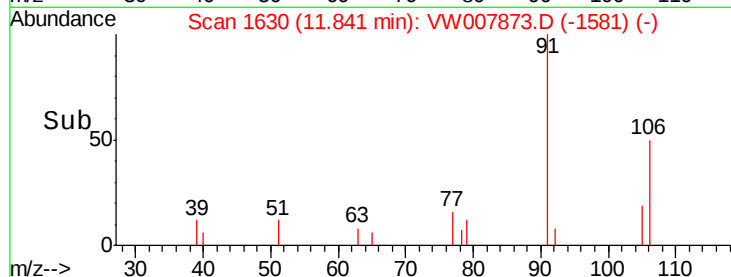
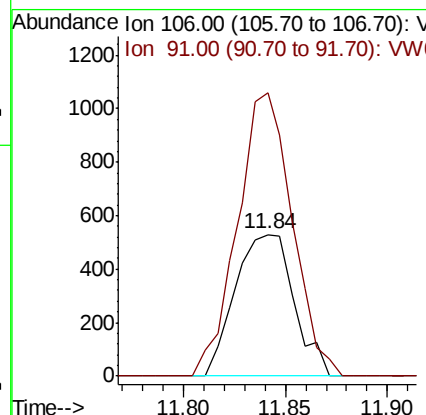
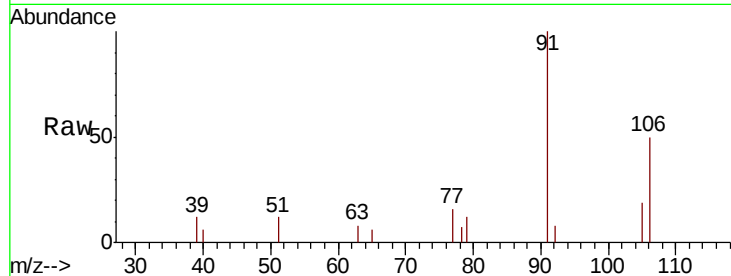




#68
m/p-Xylenes
Concen: 2.131 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007873.D
Acq: 23 Dec 2018 06:08

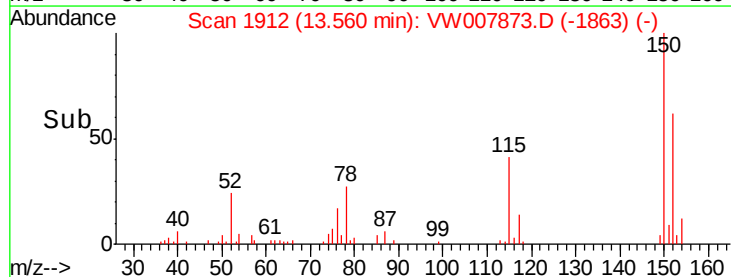
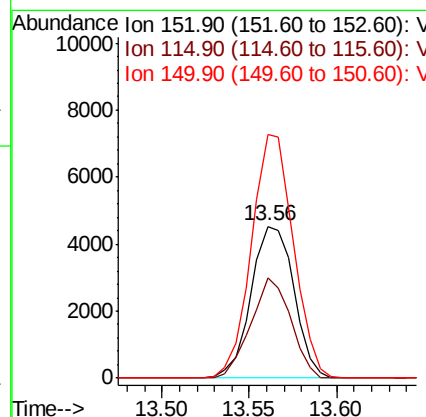
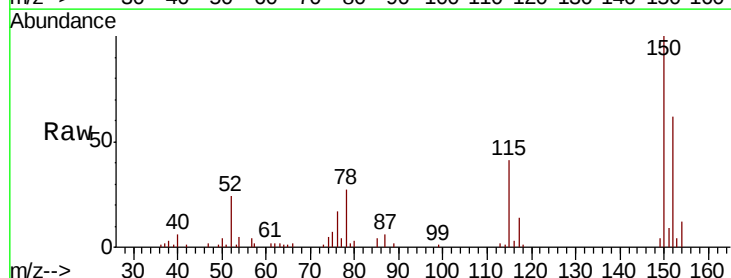
Instrument :
MSVOA_W
ClientSampleId :
P001-SS022-0612-02

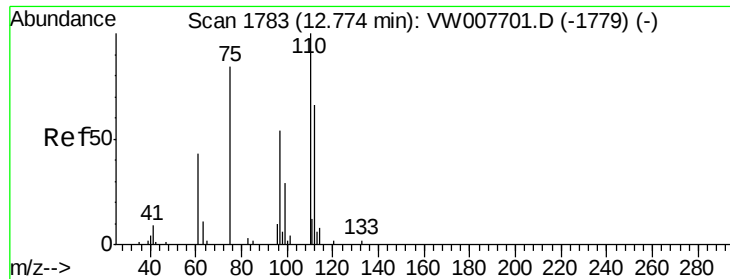
Tgt Ion:106 Resp: 1058
Ion Ratio Lower Upper
106 100
91 186.7 165.2 247.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007873.D
Acq: 23 Dec 2018 06:08

Tgt Ion:152 Resp: 7699
Ion Ratio Lower Upper
152 100
115 61.6 31.8 95.4
150 157.2 0.0 350.8

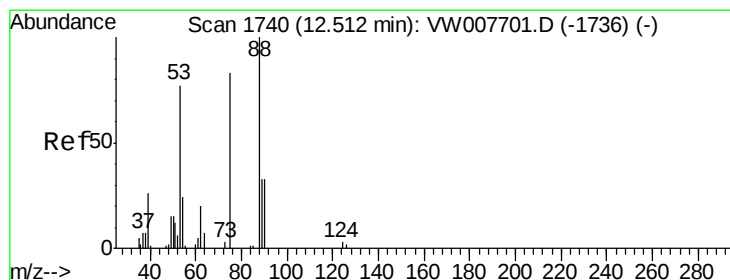
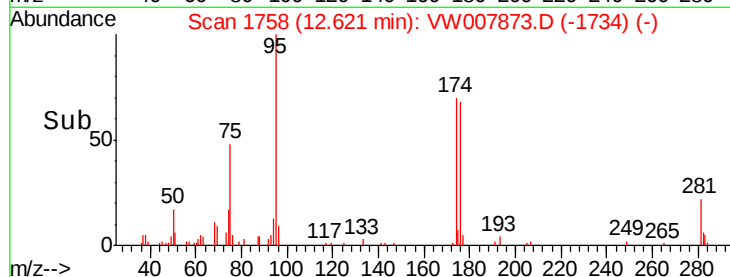
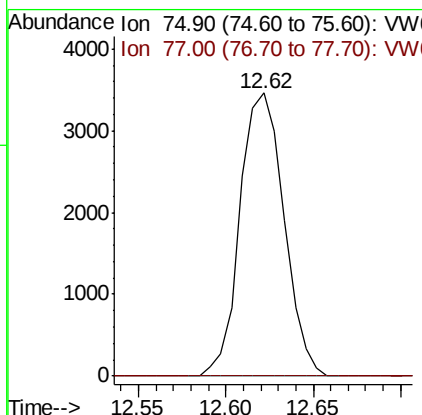
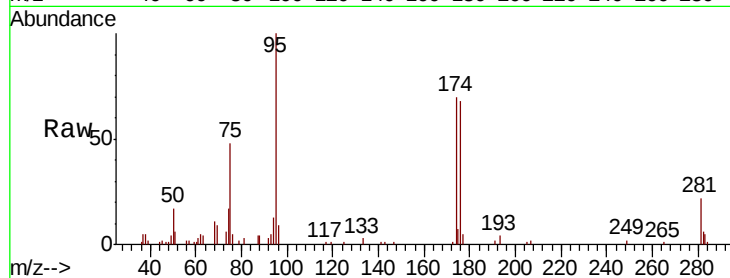




#76
 1,2,3-Trichloropropane
 Concen: 101.771 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW007873.D
 Acq: 23 Dec 2018 06:08

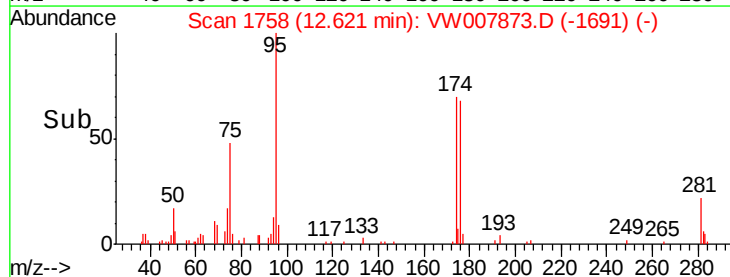
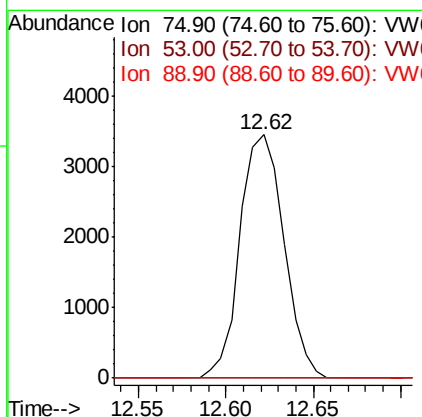
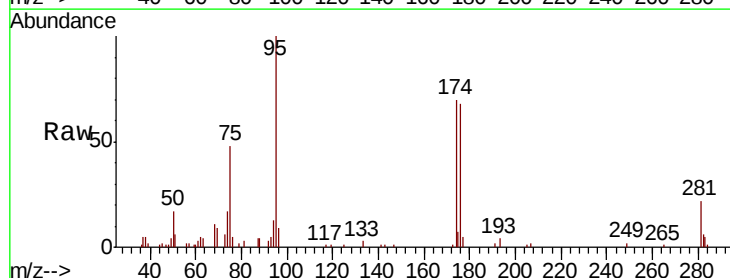
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS022-0612-02

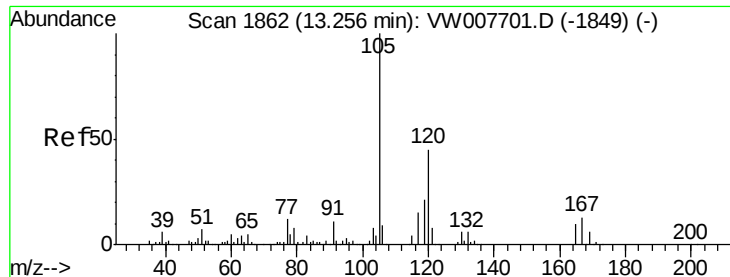
Tgt Ion: 75 Resp: 6056
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 213.625 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW007873.D
 Acq: 23 Dec 2018 06:08

Tgt Ion: 75 Resp: 6056
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.2 120.2#
 89 0.0 39.2 58.8#

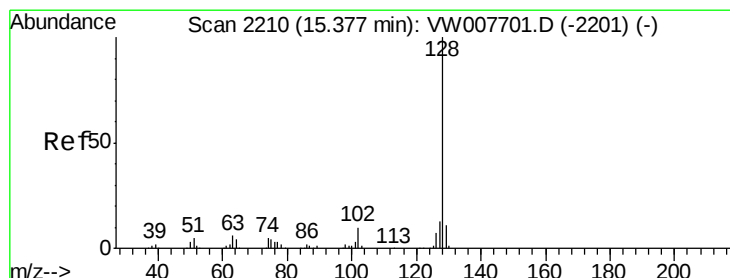
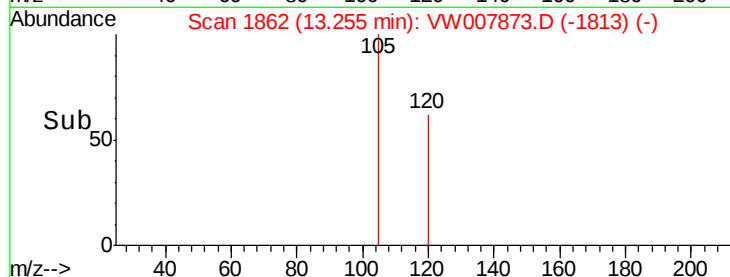
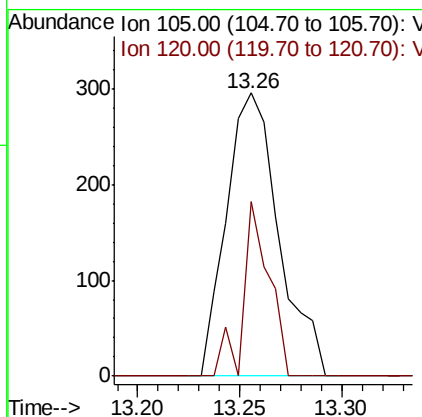
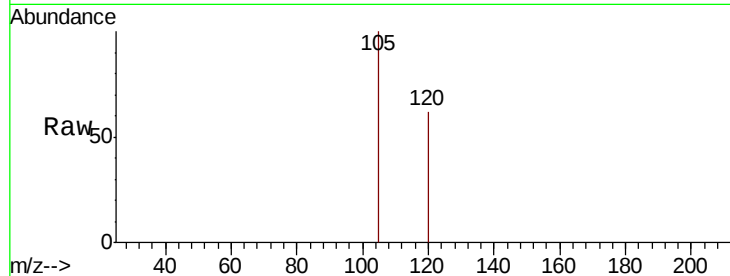




#84
 1,2,4-Trimethylbenzene
 Concen: 1.048 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007873.D
 Acq: 23 Dec 2018 06:08

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS022-0612-02

Tgt Ion:105 Resp: 531
 Ion Ratio Lower Upper
 105 100
 120 30.3 22.0 66.0



#95
 Naphthalene
 Concen: 2.416 ug/l
 RT: 15.38 min Scan# 2211
 Delta R.T. 0.01 min
 Lab File: VW007873.D
 Acq: 23 Dec 2018 06:08

Tgt Ion:128 Resp: 735
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.7 16.1#
 129 0.0 8.8 13.2#

