

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090618\
 Data File : VW005164.D
 Acq On : 06 Sep 2018 15:25
 Operator : SY/AP
 Sample : J4720-03RE
 Misc : 5.02G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BZTRANS-3RE

Quant Time: Sep 06 16:37:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	393867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	600650	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	528824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	200815	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	225124	68.95	ug/l	0.00
Spiked Amount			Recovery	=	137.90%	
35) Dibromofluoromethane	7.89	113	195635	56.36	ug/l	0.00
Spiked Amount			Recovery	=	112.72%	
50) Toluene-d8	10.33	98	762997	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
62) 4-Bromofluorobenzene	12.63	95	227064	40.26	ug/l	0.00
Spiked Amount			Recovery	=	80.52%	

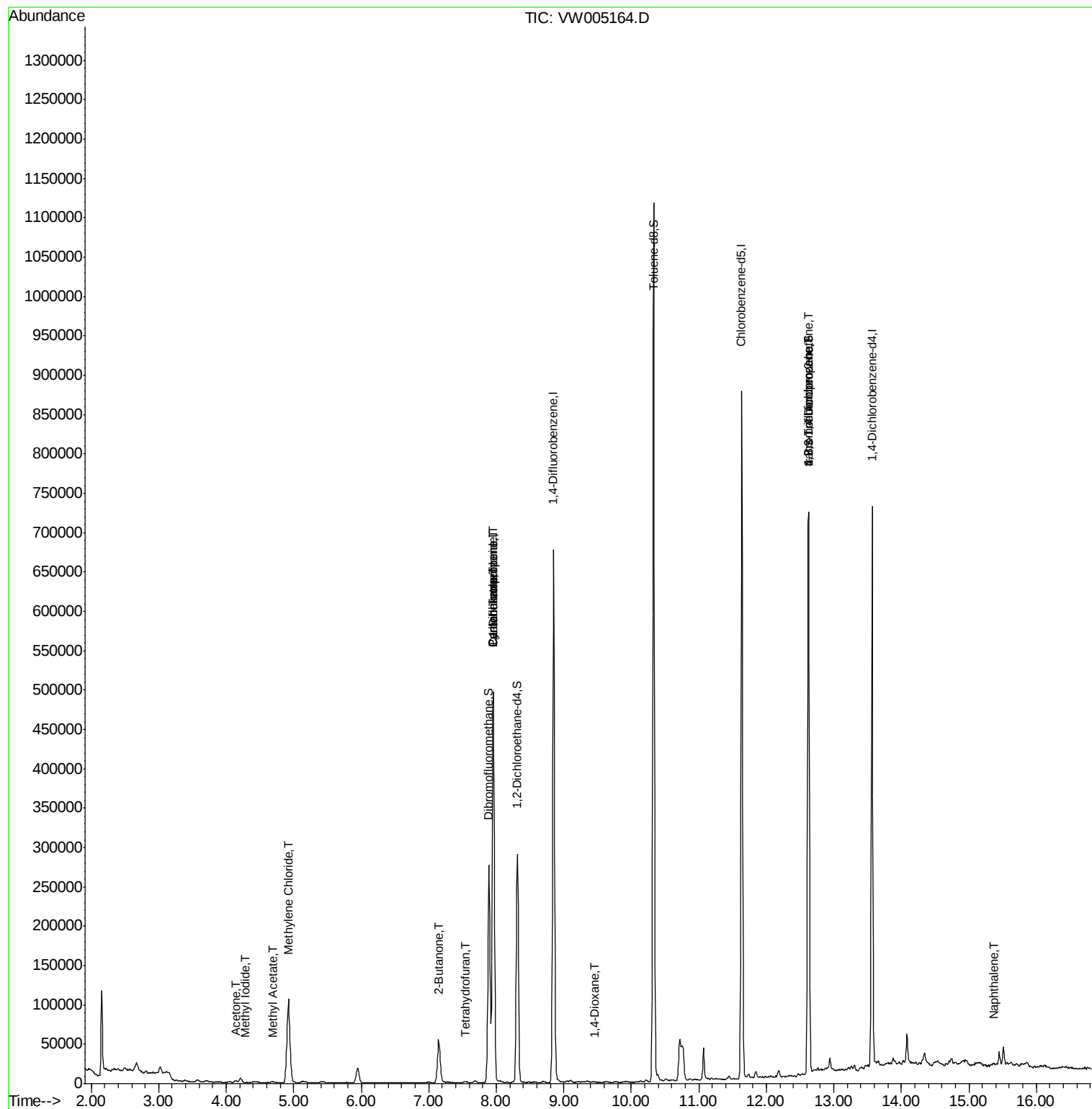
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	568	Below Cal		86
10) Methyl Iodide	4.28	142	85	3.834	ug/l #	44
11) Tert butyl alcohol	5.13	59	1403	Below Cal	#	72
16) Acetone	4.14	43	4510	6.888	ug/l #	84
18) Methyl Acetate	4.69	43	2230	1.158	ug/l #	71
20) Methylene Chloride	4.92	84	85186	16.663	ug/l	98
25) 2-Butanone	7.14	43	3843	3.384	ug/l #	75
29) Tetrahydrofuran	7.54	42	1152	1.985	ug/l	93
31) Cyclohexane	7.95	56	7453	1.162	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	28198	4.929	ug/l #	47
38) Carbon Tetrachloride	7.96	117	35338	6.497	ug/l #	17
49) 1,4-Dioxane	9.46	88	44	1.330	ug/l #	9
76) 1,2,3-Trichloropropane	12.63	75	105359	69.896	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	105359	168.232	ug/l #	14
95) Naphthalene	15.38	128	2318	4.274	ug/l #	87

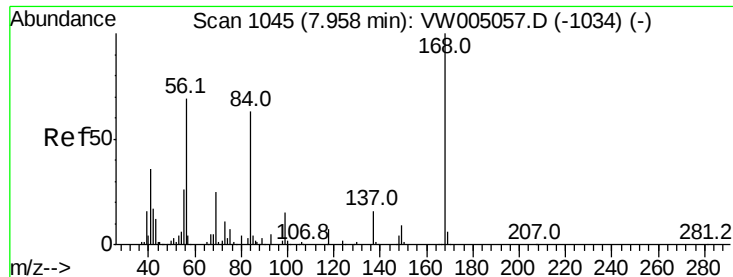
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005164.D

Acq: 06 Sep 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

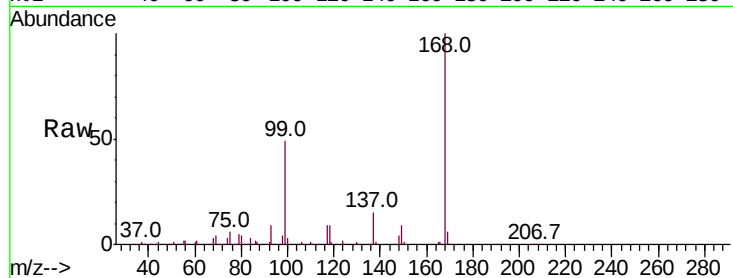
BZTRANS-3RE

Tot Ion:168 Resp: 393867

Ion Ratio Lower Upper

168 100

99 49.3 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

200000

150000

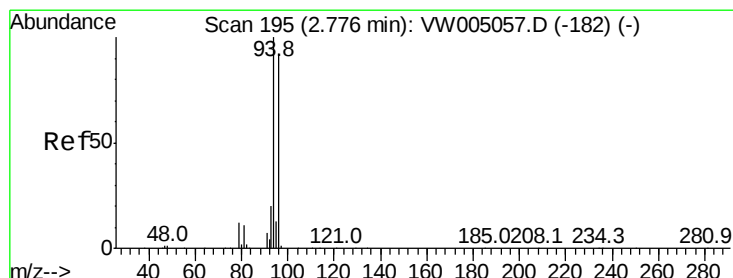
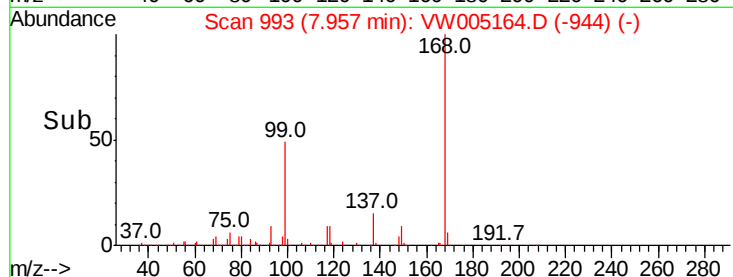
100000

50000

0

7.90 8.00 8.10

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW005164.D

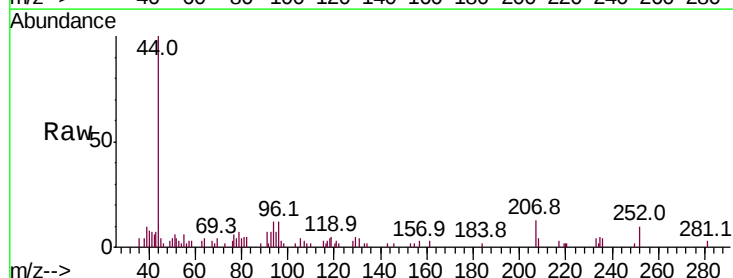
Acq: 06 Sep 2018 15:25

Tgt Ion: 94 Resp: 568

Ion Ratio Lower Upper

94 100

96 77.8 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

400

300

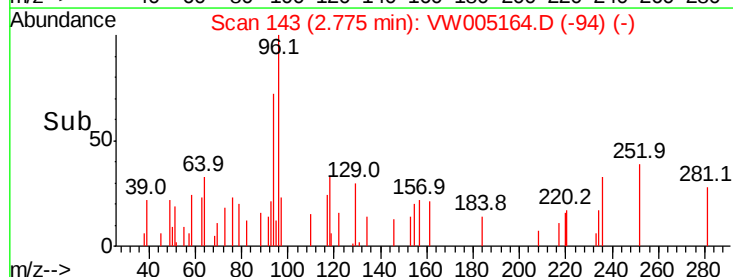
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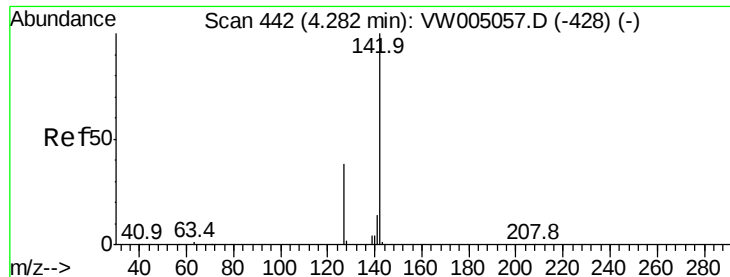
100

0

2.70 2.75 2.80

Time-->

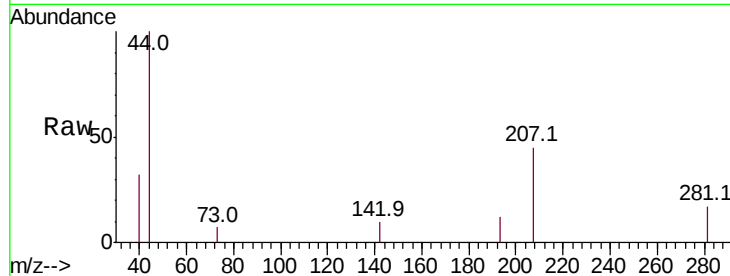




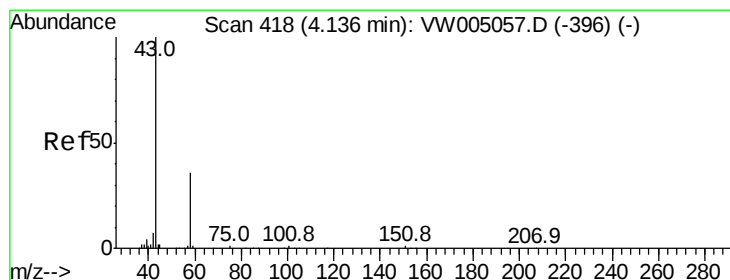
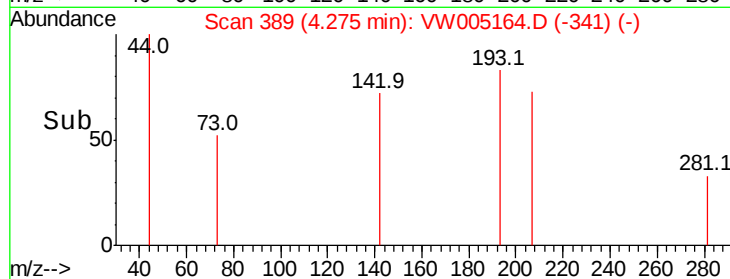
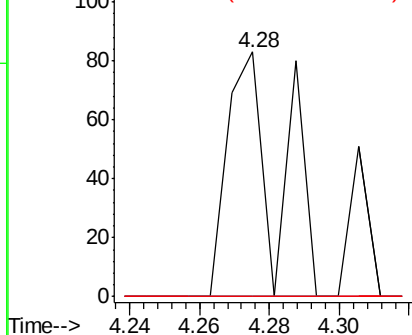
#10
Methvl Iodide
Concen: 3.834 ug/l
RT: 4.28 min Scan# 389
Delta R.T. -0.01 min
Lab File: VW005164.D
Acq: 06 Sep 2018 15:25

Instrument :
MSVOA_W
ClientSampleId :
BZTRANS-3RE

Tot Ion:142 Resp: 85
Ion Ratio Lower Upper
142 100
127 0.0 30.8 46.2#
141 0.0 11.6 17.4#

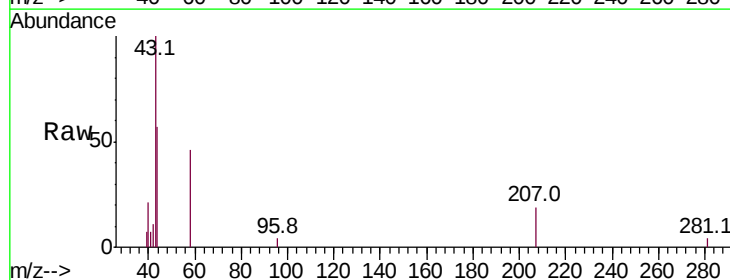


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

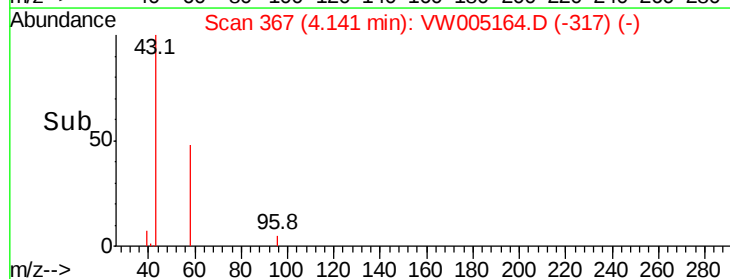
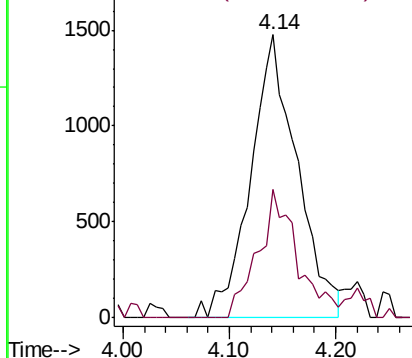


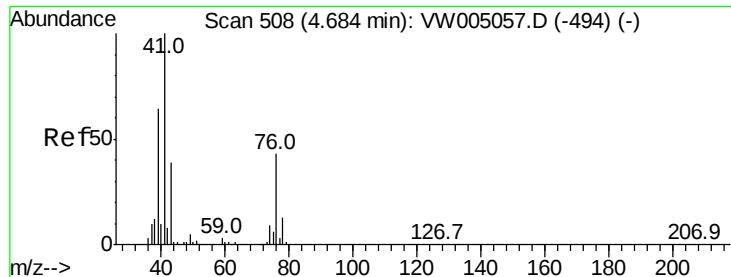
#16
Acetone
Concen: 6.888 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.01 min
Lab File: VW005164.D
Acq: 06 Sep 2018 15:25

Tgt Ion: 43 Resp: 4510
Ion Ratio Lower Upper
43 100
58 45.6 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

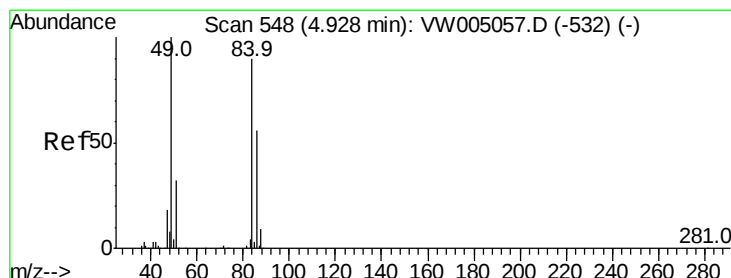
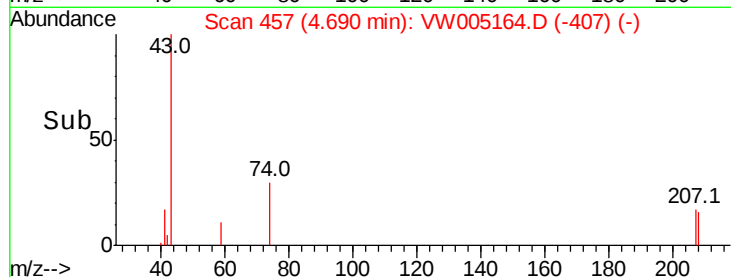
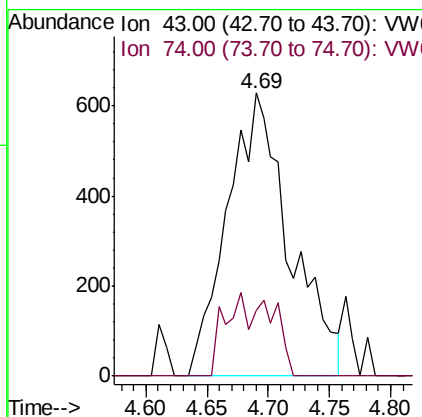
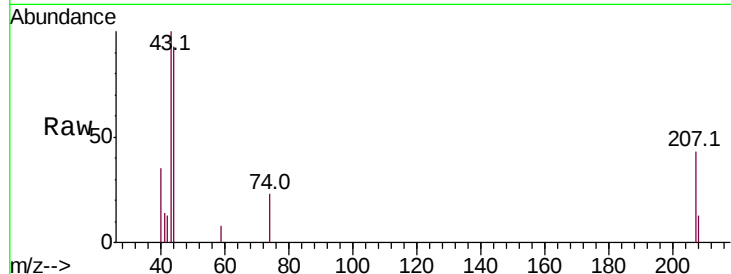




#18
Methvl Acetate
Concen: 1.158 ug/l
RT: 4.69 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW005164.D
Acq: 06 Sep 2018 15:25

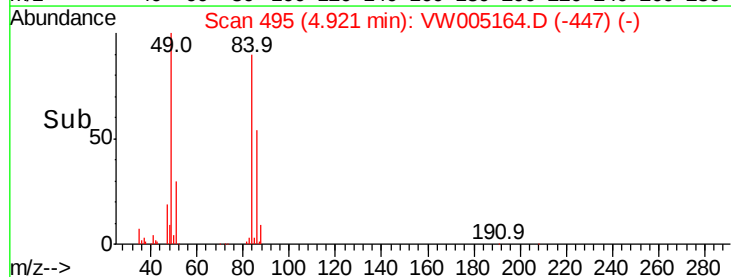
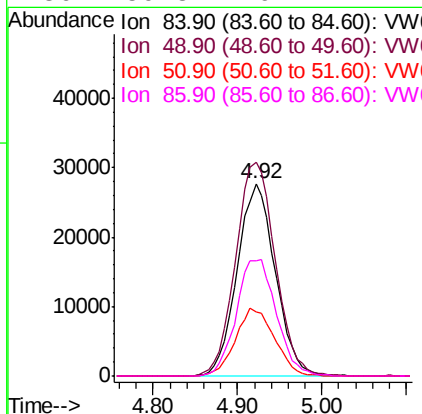
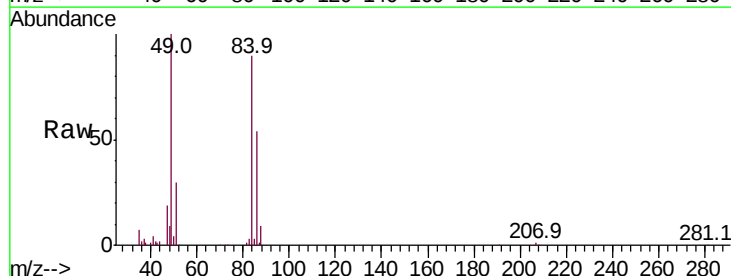
Instrument :
MSVOA_W
ClientSampleId :
BZTRANS-3RE

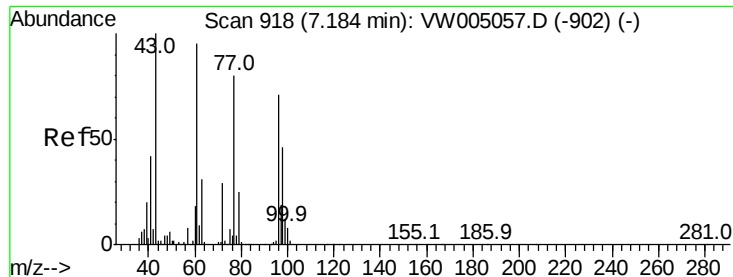
Tot Ion: 43 Resp: 2230
Ion Ratio Lower Upper
43 100
74 11.3 20.7 31.1#



#20
Methylene Chloride
Concen: 16.663 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW005164.D
Acq: 06 Sep 2018 15:25

Tgt Ion: 84 Resp: 85186
Ion Ratio Lower Upper
84 100
49 111.1 88.7 133.1
51 33.4 28.6 42.8
86 59.8 49.4 74.2





#25

2-Butanone

Concen: 3.384 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.04 min

Lab File: VW005164.D

Acq: 06 Sep 2018 15:25

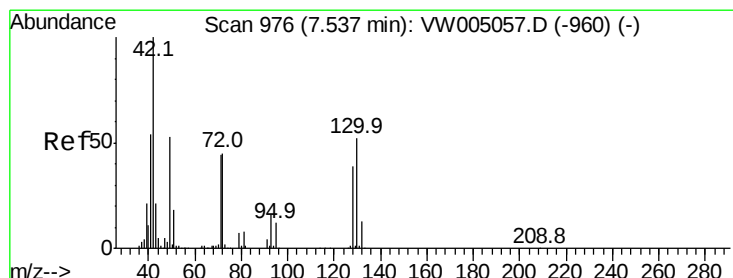
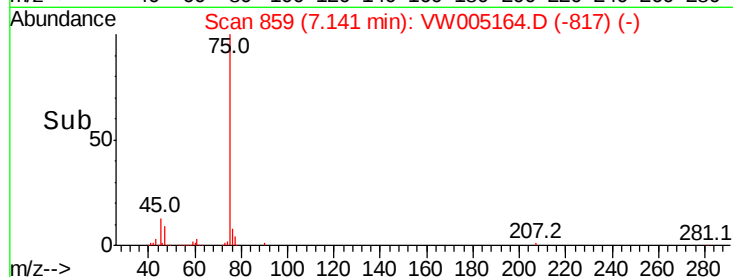
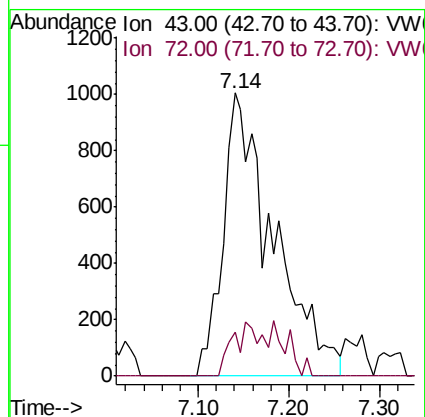
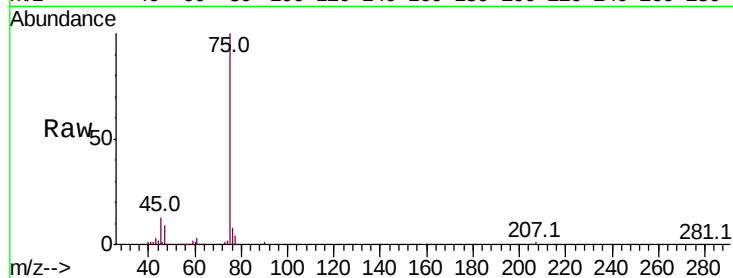
Instrument :
MSVOA_W
ClientSampleId :
BZTRANS-3RE

Tot Ion: 43 Resp: 3843

Ion Ratio Lower Upper

43 100

72 15.6 23.1 34.7#



#29

Tetrahydrofuran

Concen: 1.985 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW005164.D

Acq: 06 Sep 2018 15:25

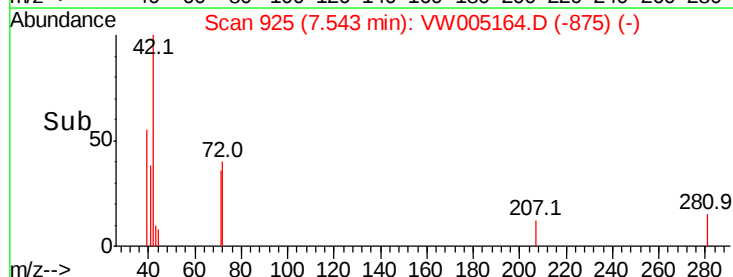
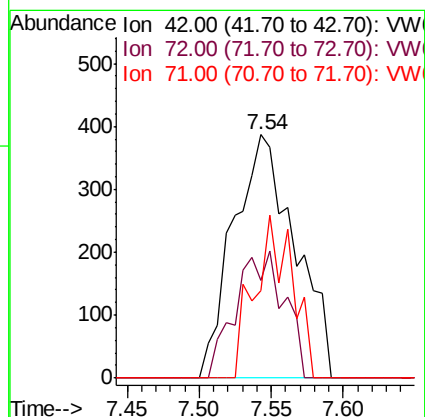
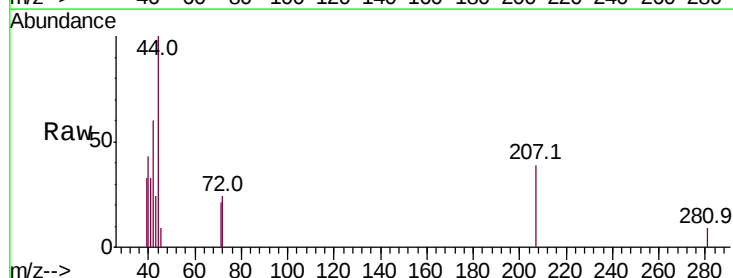
Tgt Ion: 42 Resp: 1152

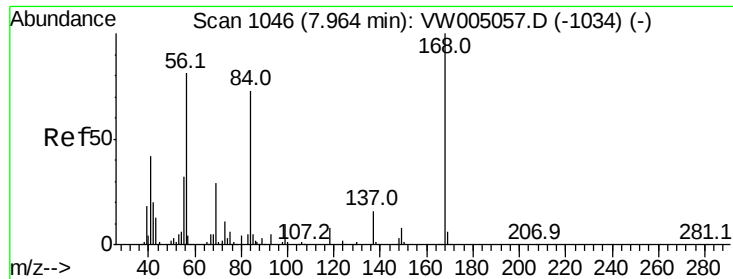
Ion Ratio Lower Upper

42 100

72 40.9 37.0 55.4

71 40.5 35.0 52.6





#31

Cyclohexane

Concen: 1.162 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005164.D

Acq: 06 Sep 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

BZTRANS-3RE

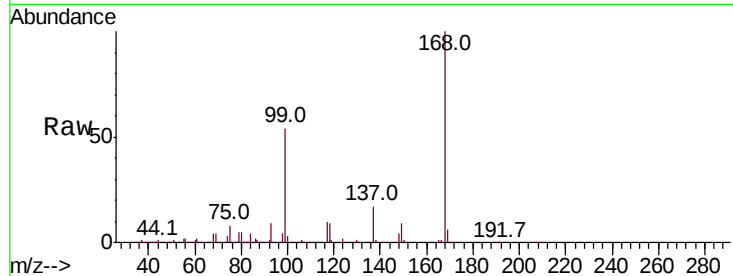
Tot Ion: 56 Resp: 7453

Ion Ratio Lower Upper

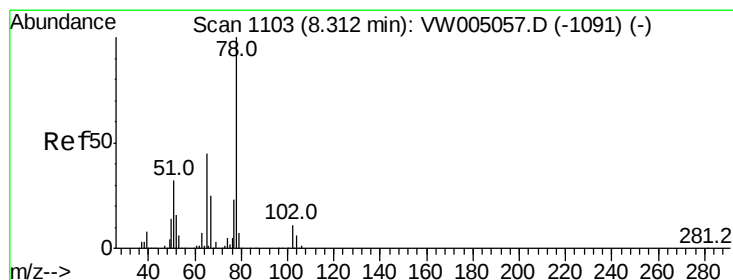
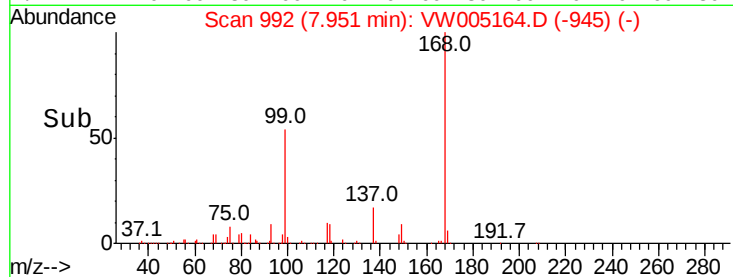
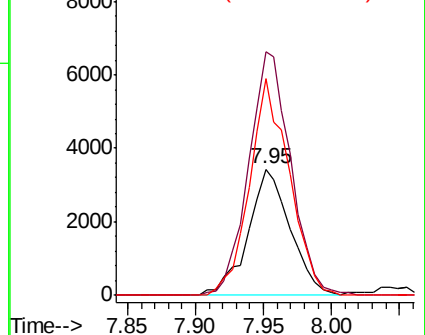
56 100

69 192.7 28.2 42.2#

84 171.5 71.8 107.8#



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: 68.951 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005164.D

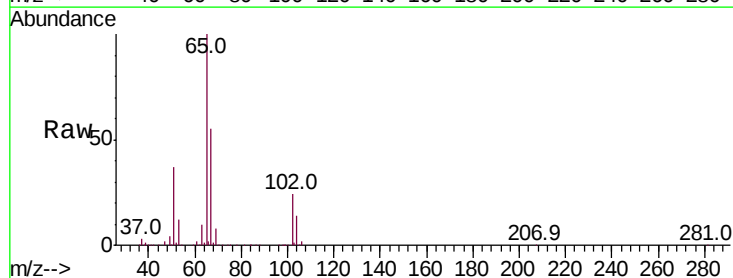
Acq: 06 Sep 2018 15:25

Tgt Ion: 65 Resp: 225124

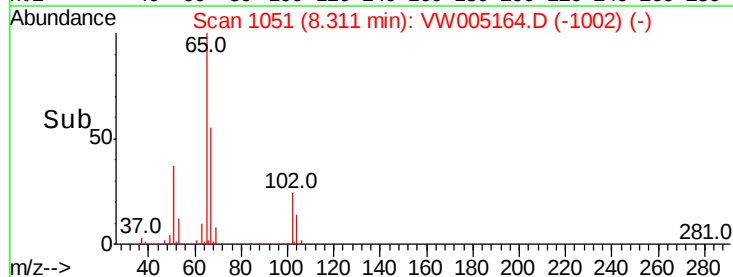
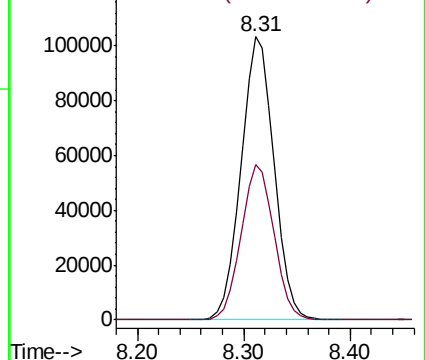
Ion Ratio Lower Upper

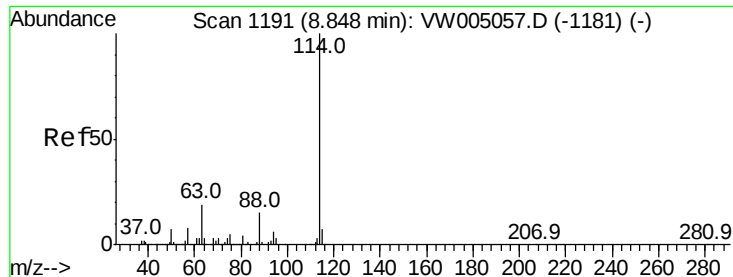
65 100

67 54.8 0.0 109.4



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

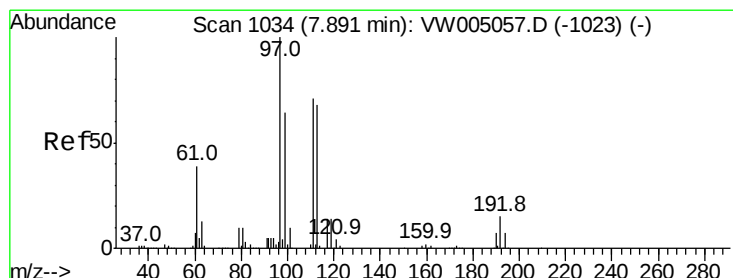
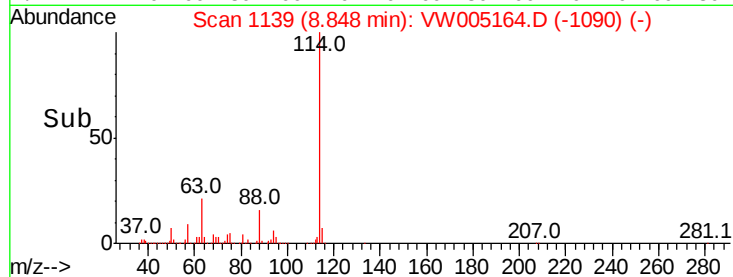
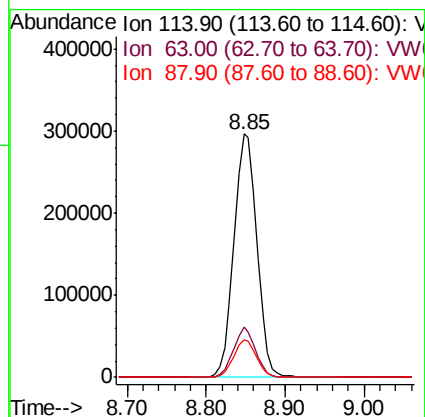
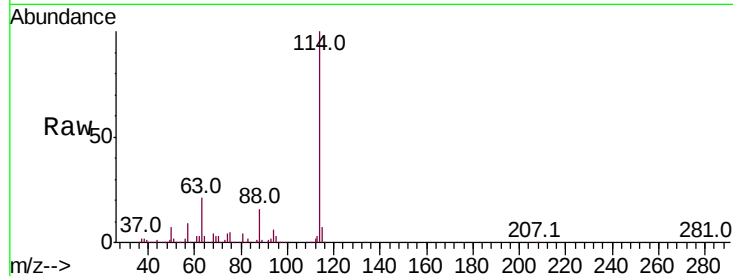




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005164.D
 Acq: 06 Sep 2018 15:25

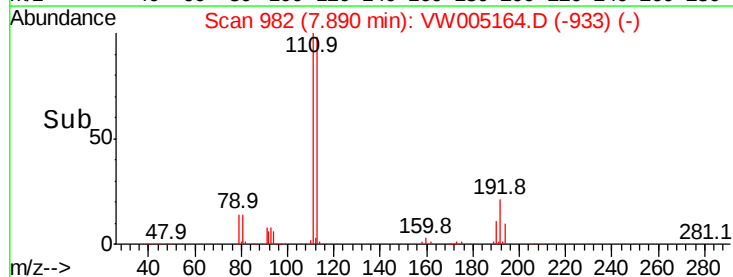
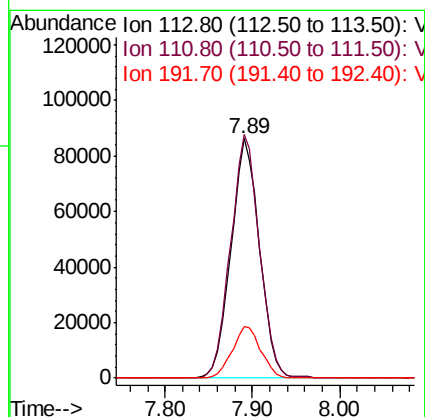
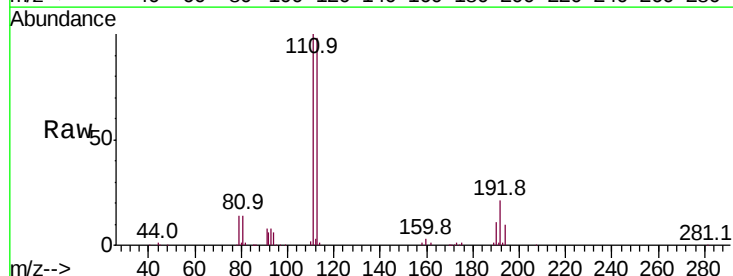
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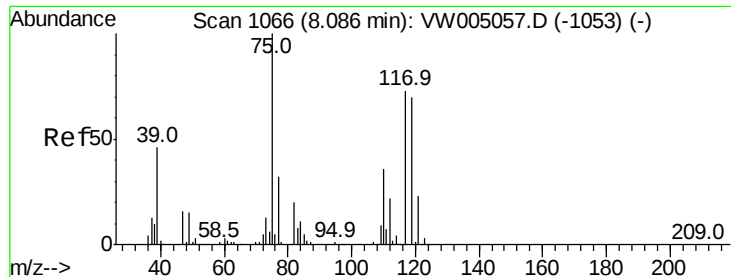
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	38.0
88	15.6	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 56.362 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005164.D
 Acq: 06 Sep 2018 15:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.2	123.2
192	21.7	18.1	27.1





#36

1,1-Dichloropropene

Concen: 4.929 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW005164.D

Acq: 06 Sep 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

BZTRANS-3RE

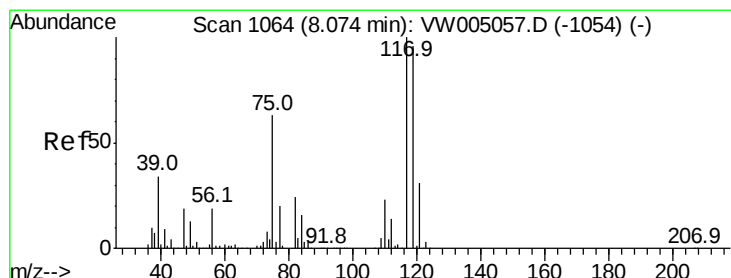
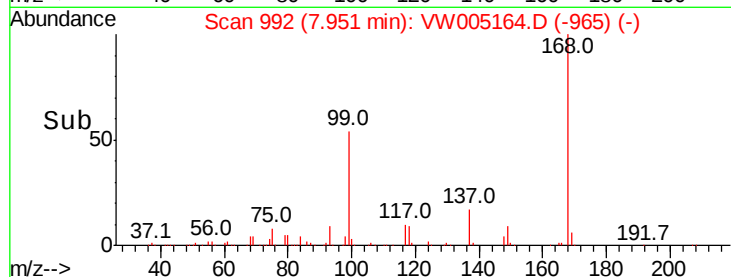
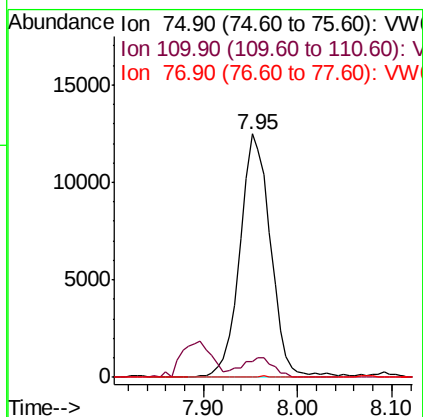
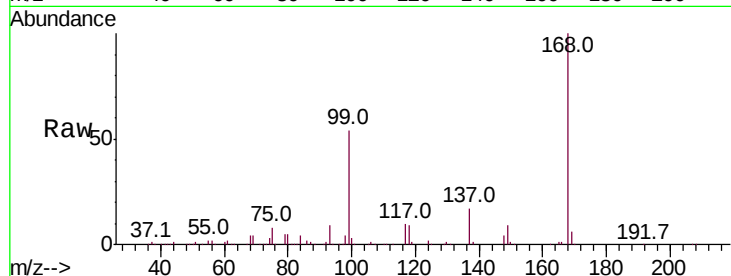
Tot Ion: 75 Resp: 28198

Ion Ratio Lower Upper

75 100

110 8.2 18.9 56.7#

77 0.2 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 6.497 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005164.D

Acq: 06 Sep 2018 15:25

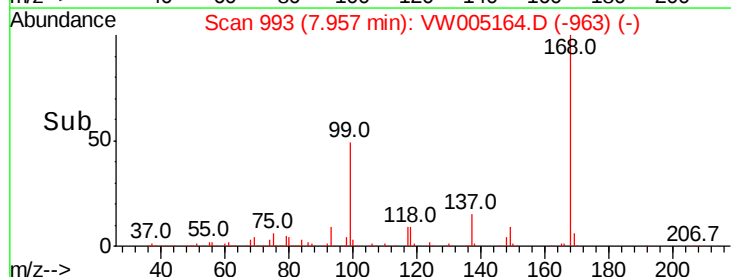
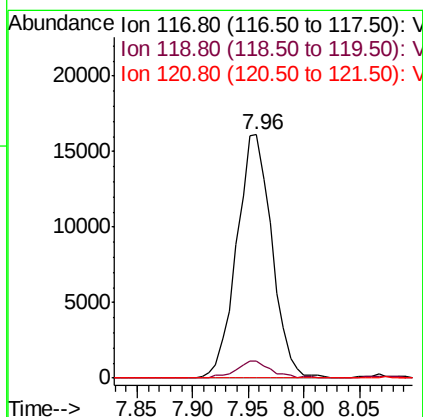
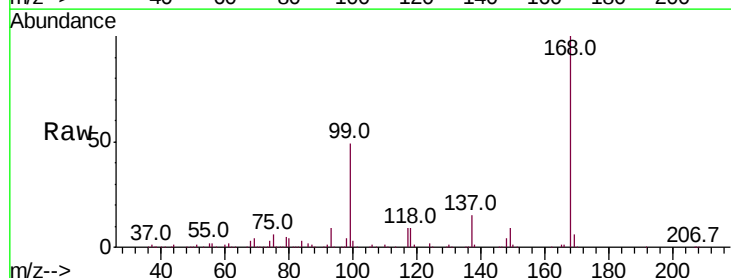
Tgt Ion: 117 Resp: 35338

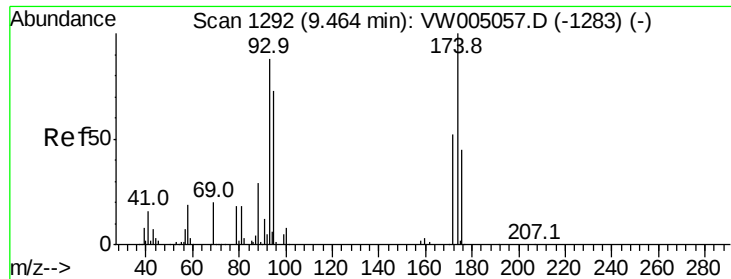
Ion Ratio Lower Upper

117 100

119 6.8 76.6 115.0#

121 0.0 24.8 37.2#





#49

1,4-Dioxane

Concen: 1.330 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW005164.D

Acq: 06 Sep 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

BZTRANS-3RE

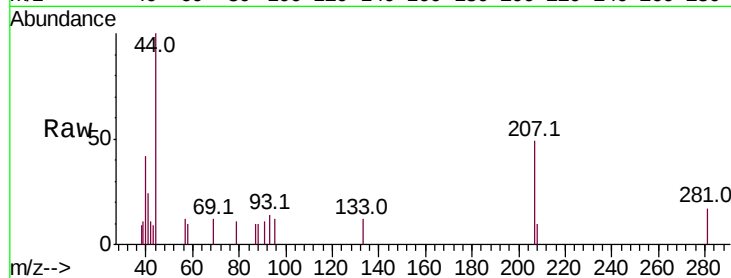
Tot Ion: 88 Resp: 44

Ion Ratio Lower Upper

88 100

43 168.2 19.8 29.6#

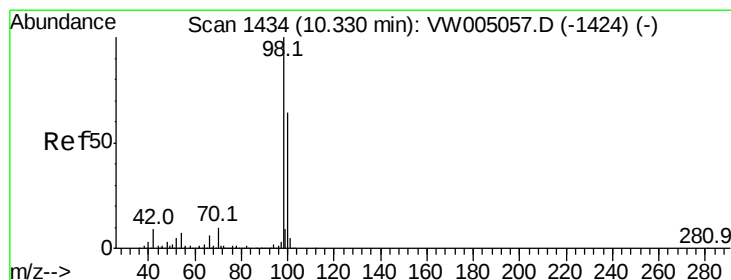
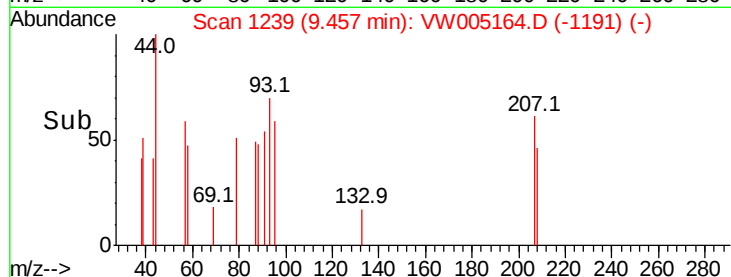
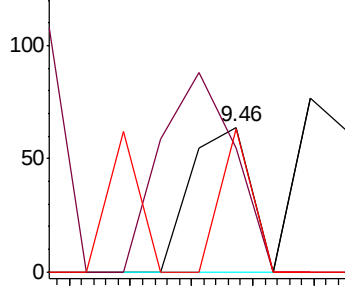
58 52.3 57.1 85.7#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 47.705 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005164.D

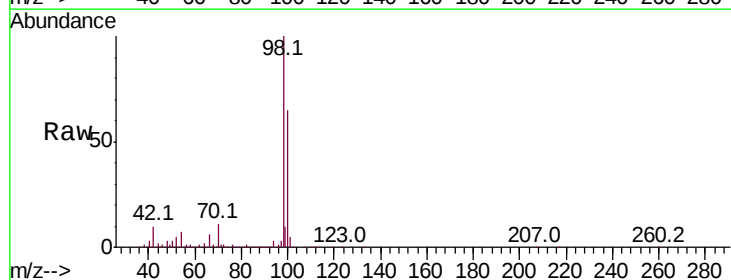
Acq: 06 Sep 2018 15:25

Tgt Ion: 98 Resp: 762997

Ion Ratio Lower Upper

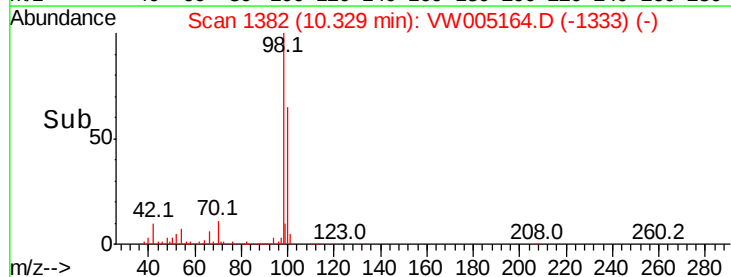
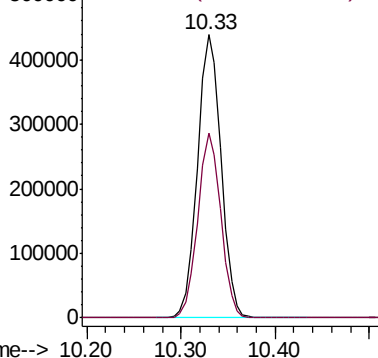
98 100

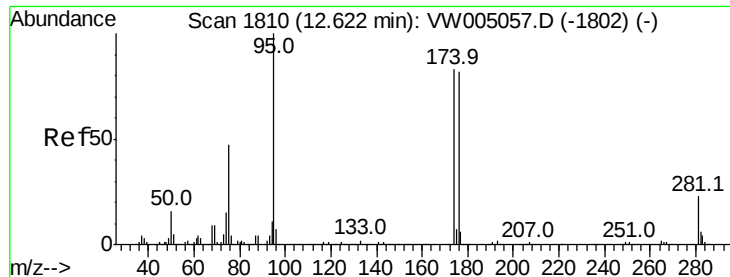
100 63.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

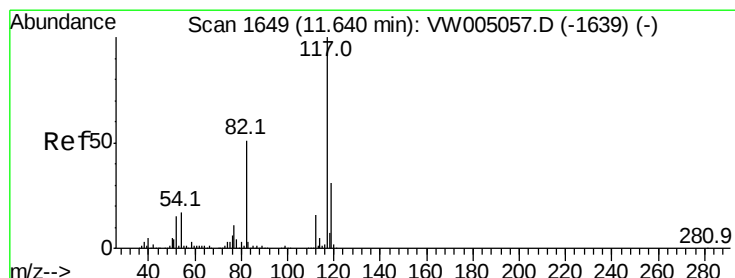
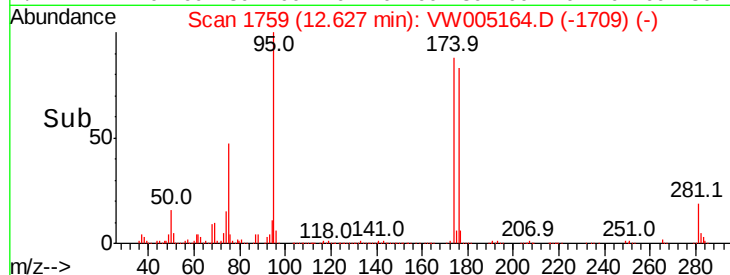
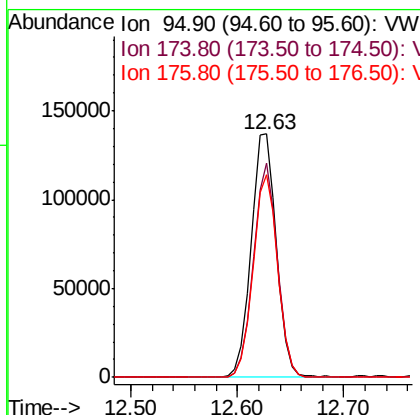
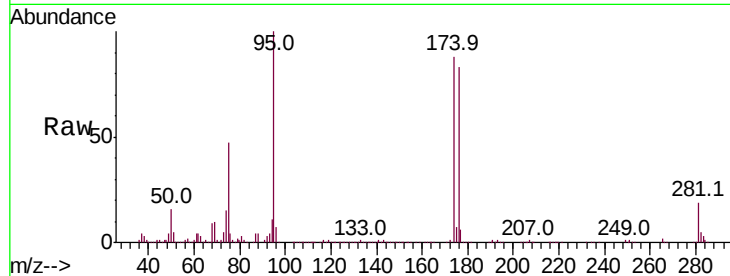




#62
4-Bromofluorobenzene
Concen: 40.262 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. 0.01 min
Lab File: VW005164.D
Acq: 06 Sep 2018 15:25

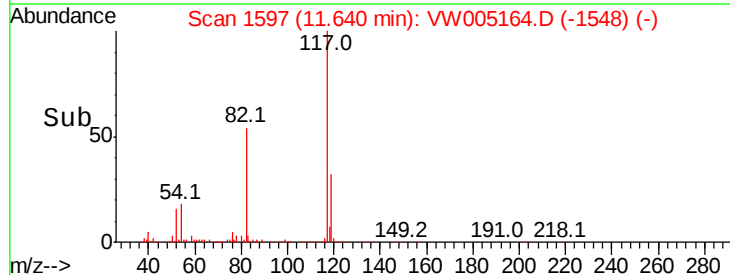
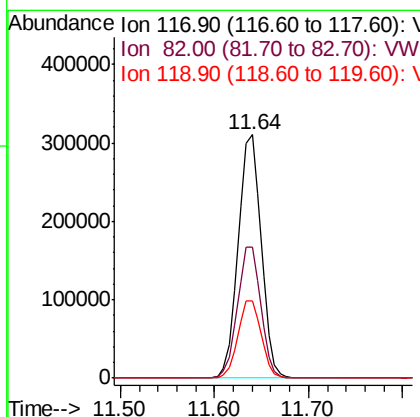
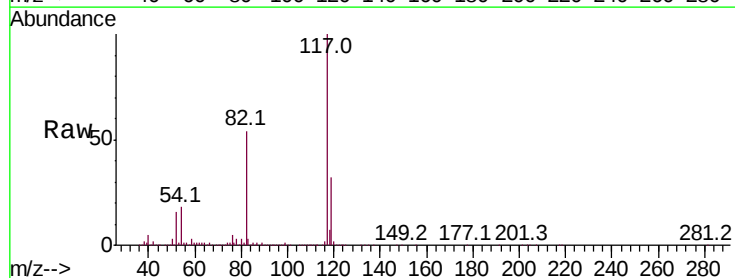
Instrument :
MSVOA_W
ClientSampleId :
BZTRANS-3RE

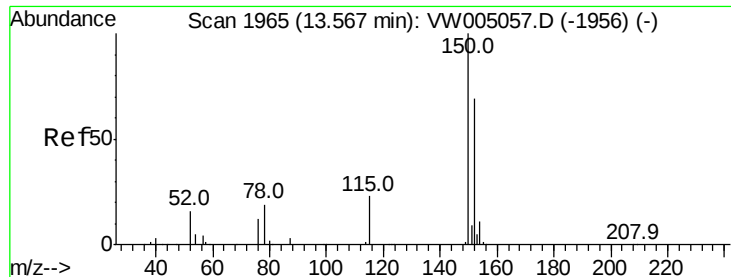
Tot Ion: 95 Resp: 227064
Ion Ratio Lower Upper
95 100
174 83.9 0.0 173.4
176 80.8 0.0 167.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005164.D
Acq: 06 Sep 2018 15:25

Tgt Ion: 117 Resp: 528824
Ion Ratio Lower Upper
117 100
82 54.0 40.9 61.3
119 31.7 24.9 37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005164.D

Acq: 06 Sep 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

BZTRANS-3RE

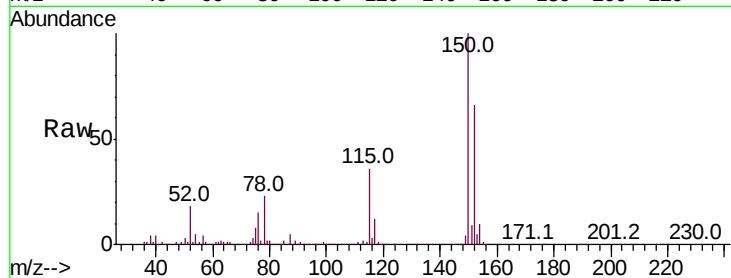
Tot Ion:152 Resp: 200815

Ion Ratio Lower Upper

152 100

115 56.3 27.8 83.4

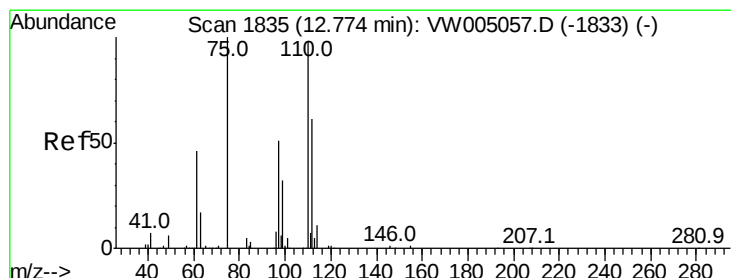
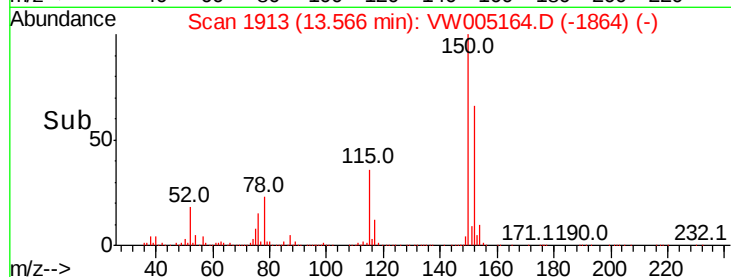
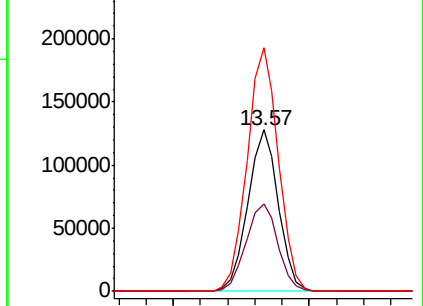
150 154.2 0.0 351.4



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: 69.896 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.15 min

Lab File: VW005164.D

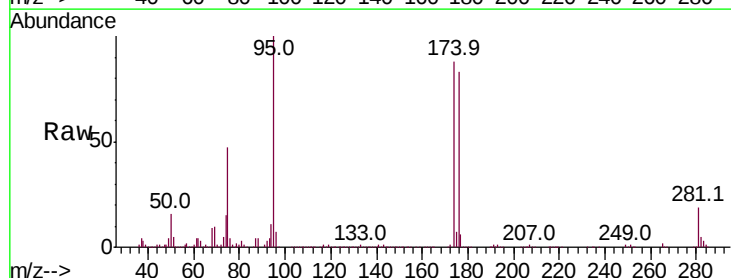
Acq: 06 Sep 2018 15:25

Tgt Ion: 75 Resp: 105359

Ion Ratio Lower Upper

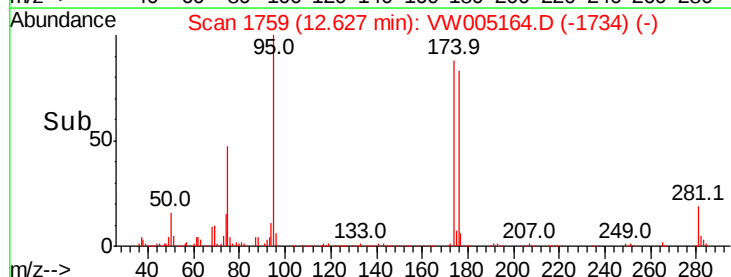
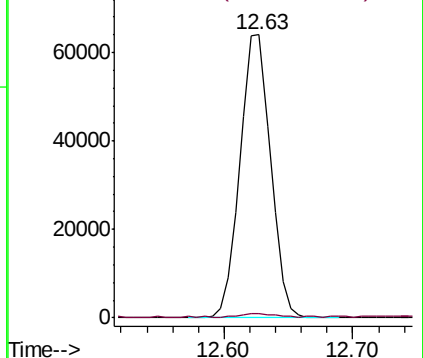
75 100

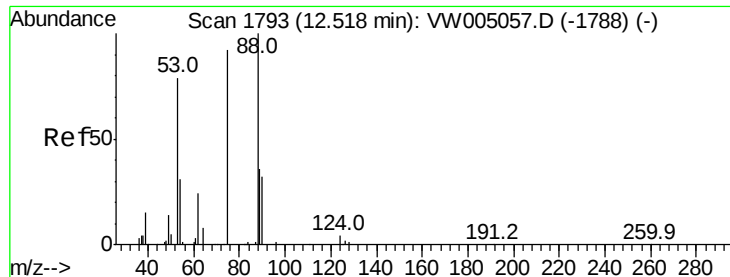
77 1.5 0.0 0.0#



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: 168.232 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.11 min

Lab File: VW005164.D

Acq: 06 Sep 2018 15:25

Instrument :

MSVOA_W

ClientSampleId :

BZTRANS-3RE

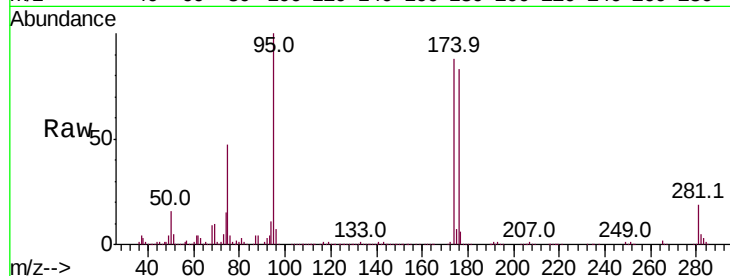
Tot Ion: 75 Resp: 105359

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.8#

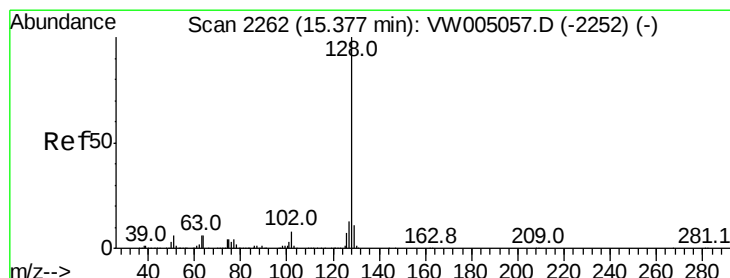
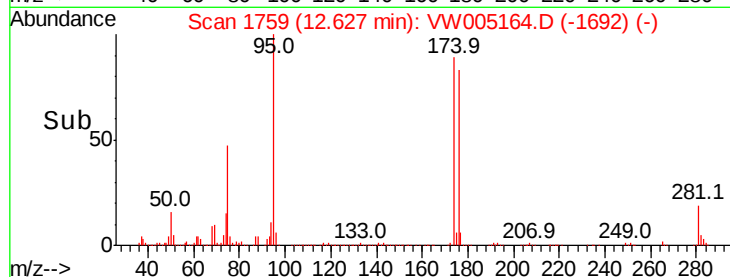
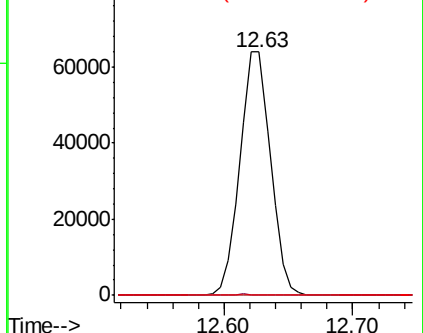
89 0.2 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#95

Naphthalene

Concen: 4.274 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005164.D

Acq: 06 Sep 2018 15:25

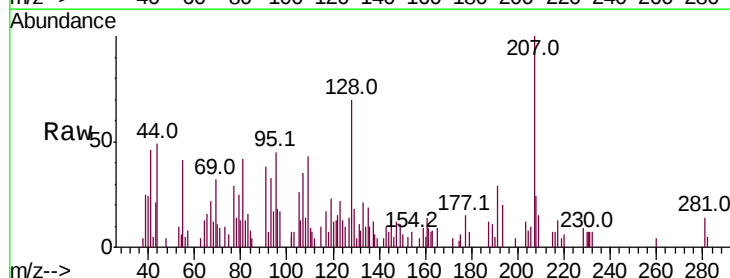
Tgt Ion:128 Resp: 2318

Ion Ratio Lower Upper

128 100

127 16.5 10.4 15.6#

129 4.1 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

