

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092718\
 Data File : VW005706.D
 Acq On : 27 Sep 2018 17:52
 Operator : VA/AP
 Sample : J5118-01
 Misc : 5.17G/5ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RA-092518-USTEXC-NW-L-063

Quant Time: Sep 28 01:22:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	174499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	285486	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	246082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	103863	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	132574	64.49	ug/l	0.00
Spiked Amount			Recovery	=	128.98%	
35) Dibromofluoromethane	7.88	113	105137	58.56	ug/l	0.00
Spiked Amount			Recovery	=	117.12%	
50) Toluene-d8	10.33	98	378420	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.63	95	119519	44.19	ug/l	0.00
Spiked Amount			Recovery	=	88.38%	

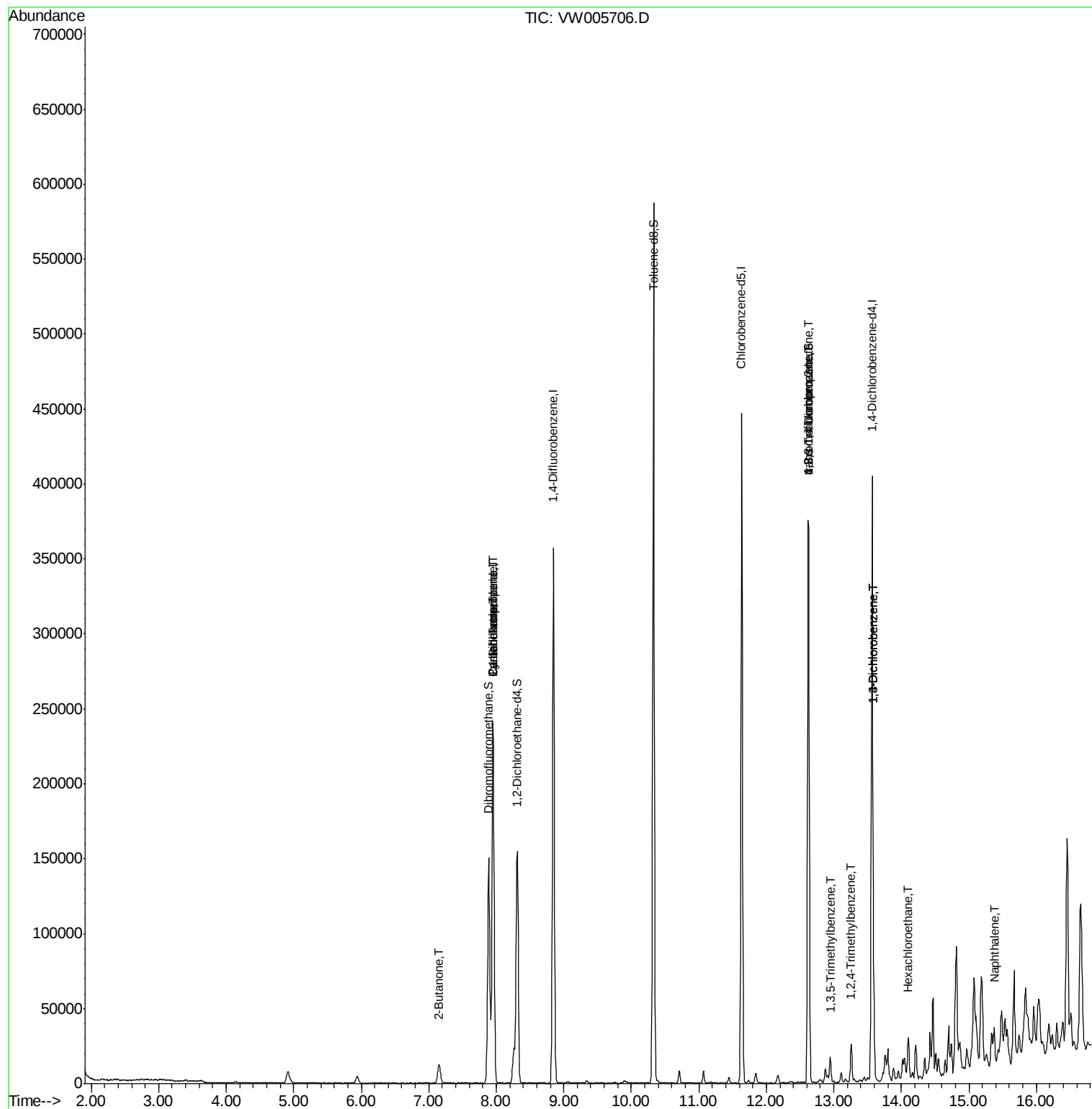
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	34	Below Cal	#	41
11) Tert butyl alcohol	5.21	59	182	Below Cal	#	72
16) Acetone	4.13	43	855	Below Cal		97
20) Methylene Chloride	4.92	84	6531	Below Cal		95
25) 2-Butanone	7.15	43	929	1.861	ug/l	94
31) Cyclohexane	7.95	56	3977	1.248	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	13551	4.715	ug/l #	51
38) Carbon Tetrachloride	7.95	117	17341	5.631	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	62851	70.989	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	6622	1.057	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	62851	159.889	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.26	105	13771	2.179	ug/l	100
87) 1,3-Dichlorobenzene	13.58	146	17115	4.958	ug/l	91
88) 1,4-Dichlorobenzene	13.58	146	17115	4.985	ug/l	91
90) Hexachloroethane	14.11	117	1924	1.552	ug/l #	7
95) Naphthalene	15.38	128	16293	4.456	ug/l	97

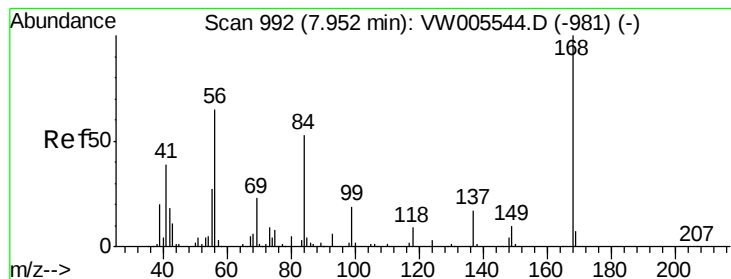
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW005706.D

Acq: 27 Sep 2018 17:52

Instrument :

MSVOA_W

ClientSampleId :

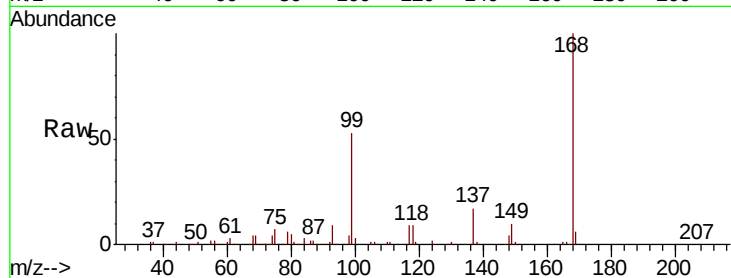
RA-092518-USTEXC-NW-L-063

Tgt Ion:168 Resp: 174499

Ion Ratio Lower Upper

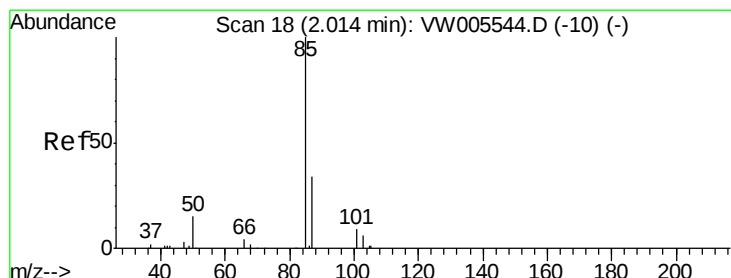
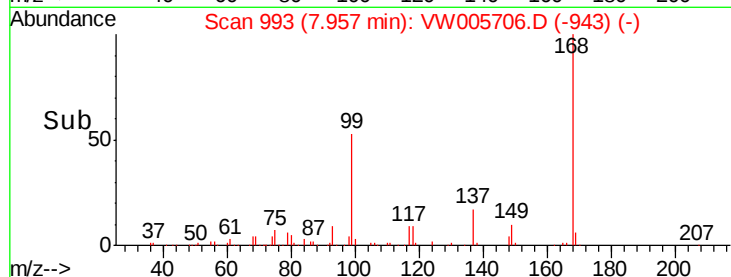
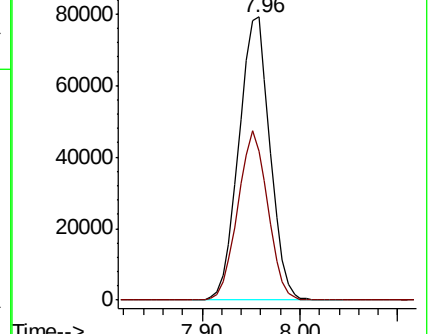
168 100

99 52.8 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW005706.D

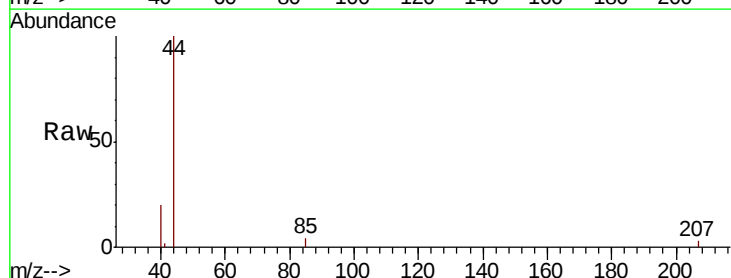
Acq: 27 Sep 2018 17:52

Tgt Ion: 85 Resp: 34

Ion Ratio Lower Upper

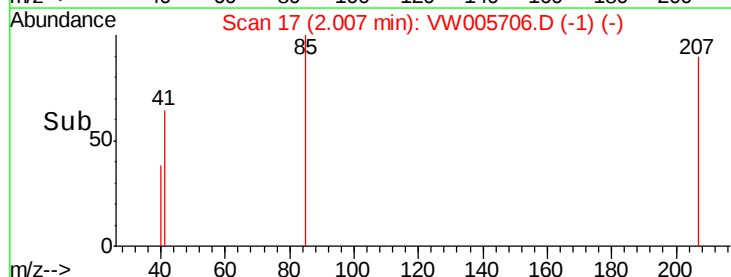
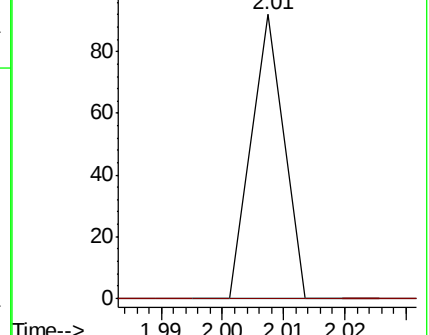
85 100

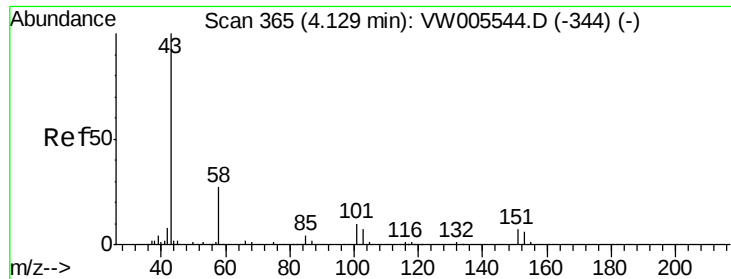
87 0.0 17.0 50.9#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

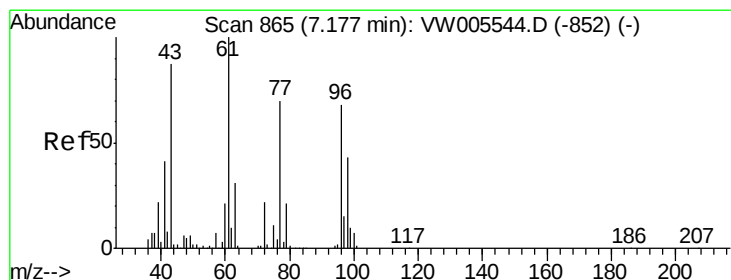
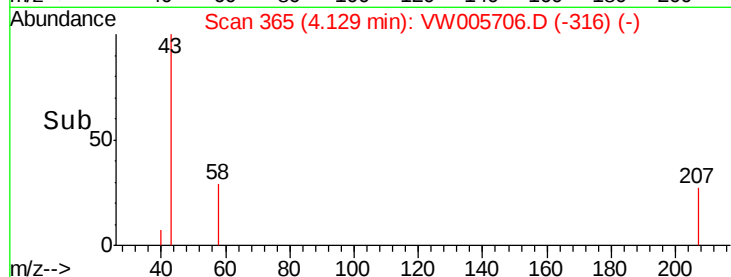
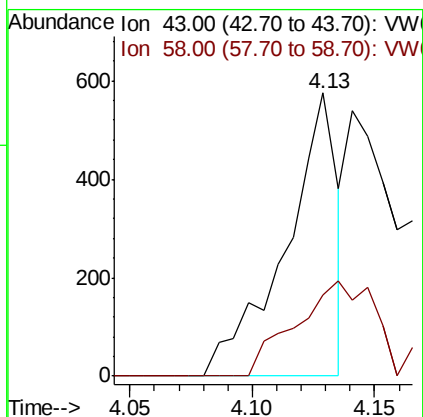
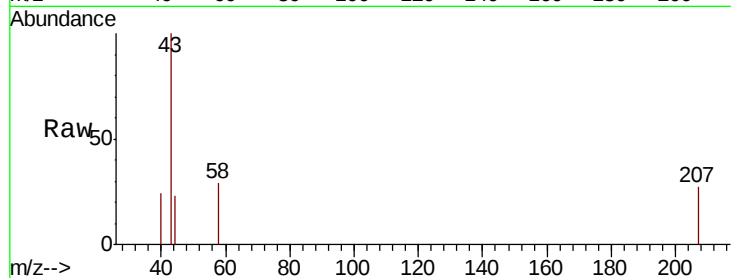




#16
Acetone
Concen: Below Cal
RT: 4.13 min Scan# 365
Delta R.T. -0.00 min
Lab File: VW005706.D
Acq: 27 Sep 2018 17:52

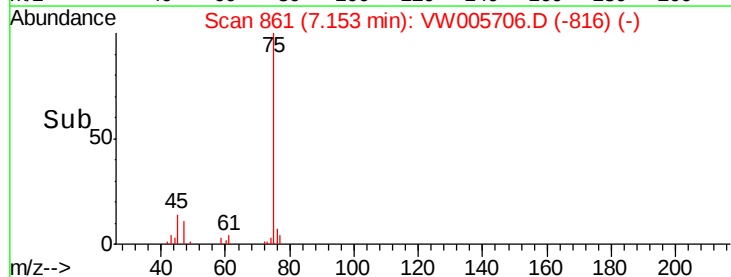
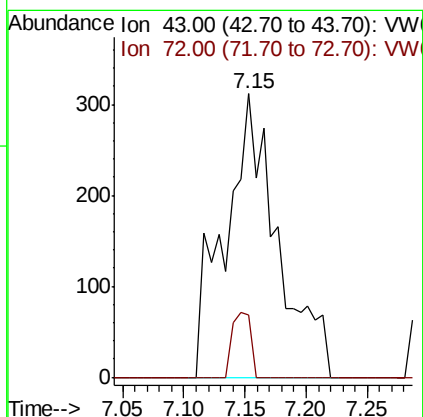
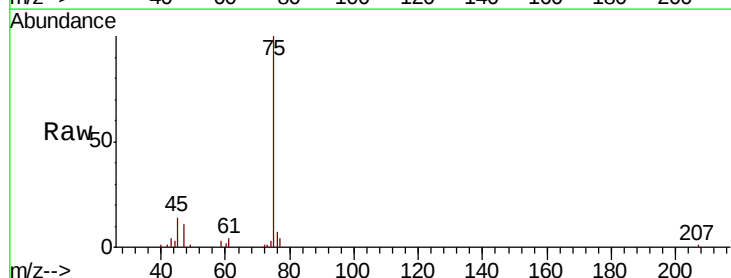
Instrument :
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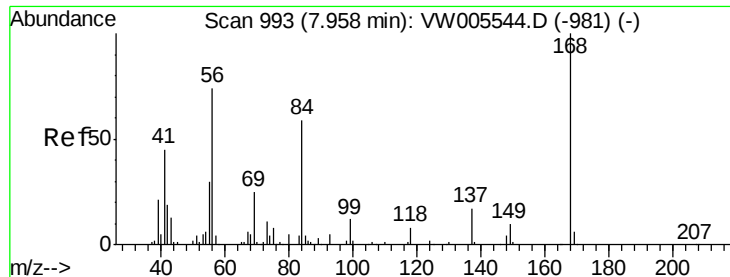
Tgt Ion: 43 Resp: 855
Ion Ratio Lower Upper
43 100
58 28.7 21.8 32.8



#25
2-Butanone
Concen: 1.861 ug/l
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: VW005706.D
Acq: 27 Sep 2018 17:52

Tgt Ion: 43 Resp: 929
Ion Ratio Lower Upper
43 100
72 21.8 19.9 29.9

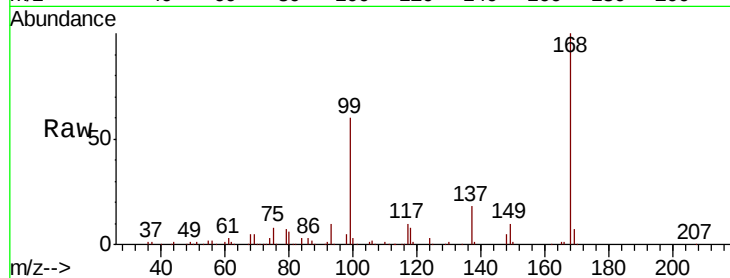




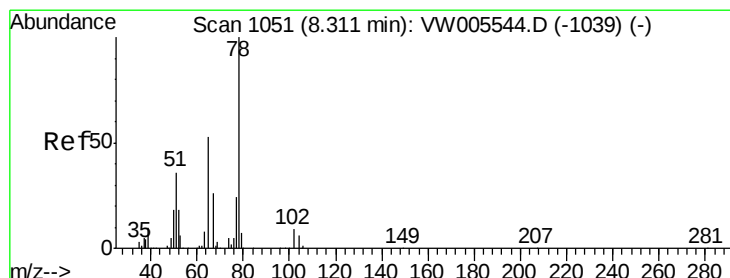
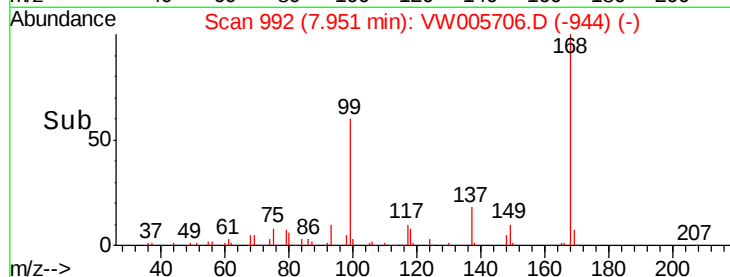
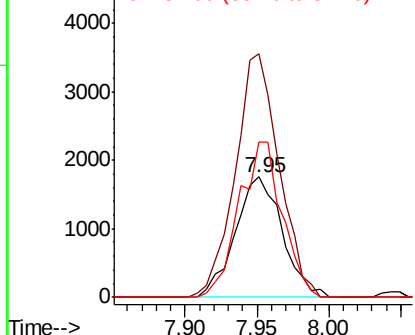
#31
Cyclohexane
Concen: 1.248 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005706.D
Acq: 27 Sep 2018 17:52

Instrument :
MSVOA_W
ClientSampleId :
RA-092518-USTEXC-NW-L-063

Tgt Ion: 56 Resp: 3977
Ion Ratio Lower Upper
56 100
69 202.6 27.0 40.4#
84 129.1 64.2 96.4#

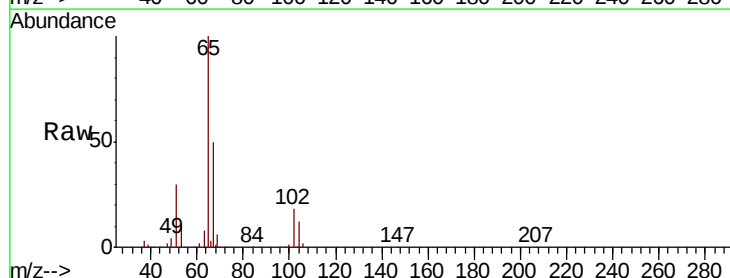


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

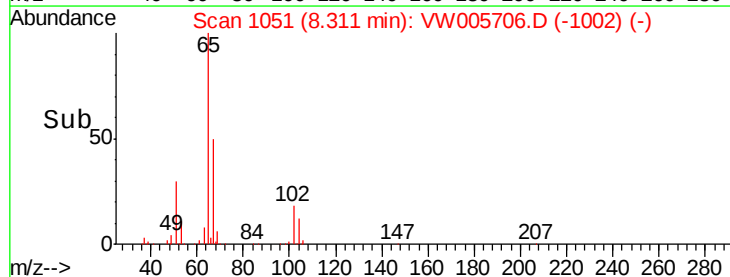
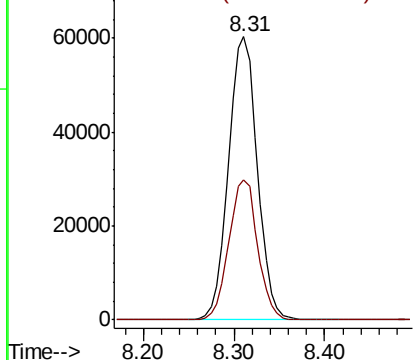


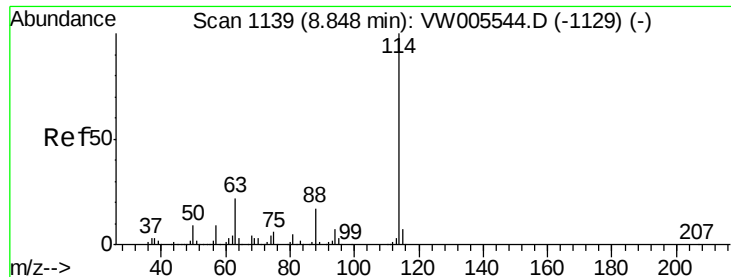
#33
1,2-Dichloroethane-d4
Concen: 64.490 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005706.D
Acq: 27 Sep 2018 17:52

Tgt Ion: 65 Resp: 132574
Ion Ratio Lower Upper
65 100
67 49.6 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: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW005706.D

Acq: 27 Sep 2018 17:52

Instrument :

MSVOA_W

ClientSampleId :

RA-092518-USTEXC-NW-L-063

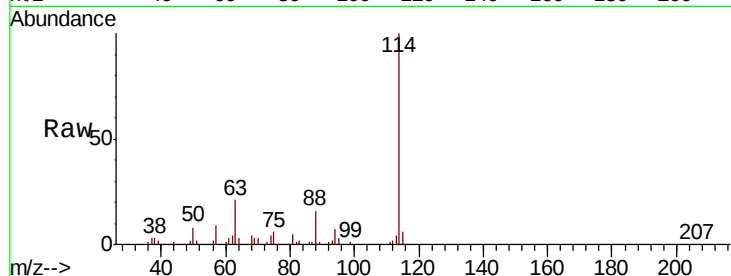
Tgt Ion:114 Resp: 285486

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.0

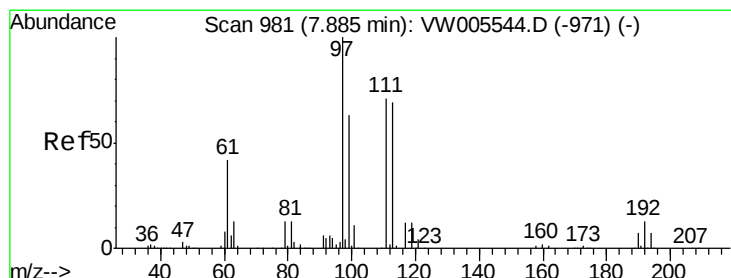
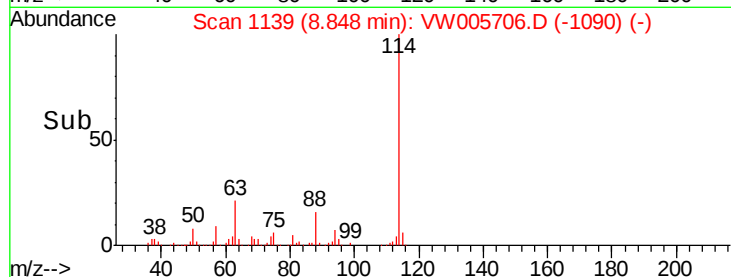
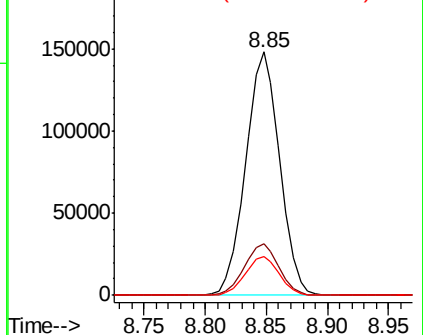
88 15.7 0.0 33.0



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: 58.562 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW005706.D

Acq: 27 Sep 2018 17:52

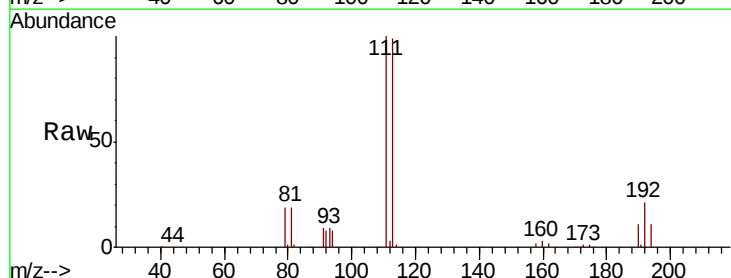
Tgt Ion:113 Resp: 105137

Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

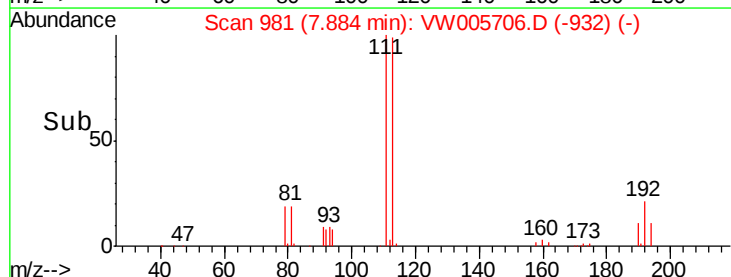
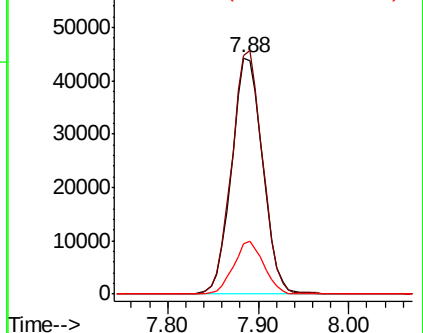
192 21.6 17.0 25.4

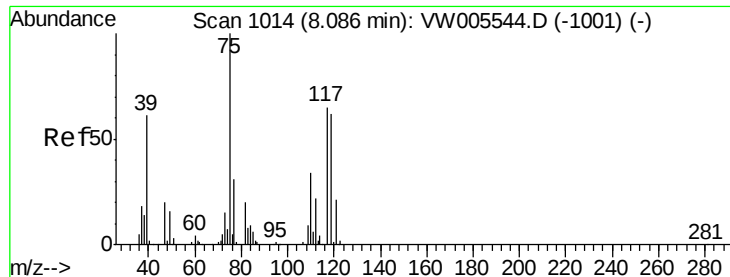


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

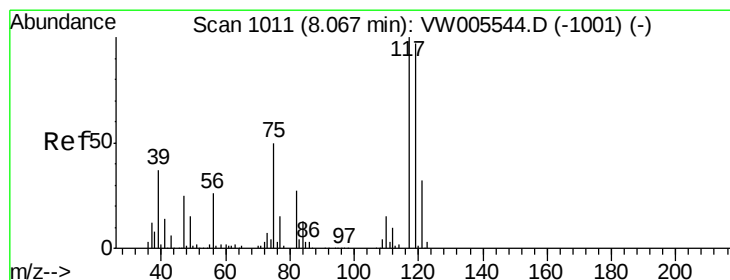
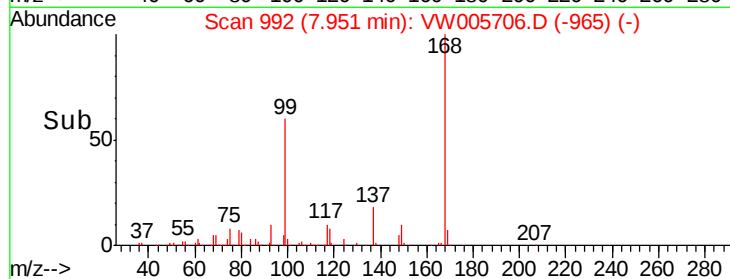
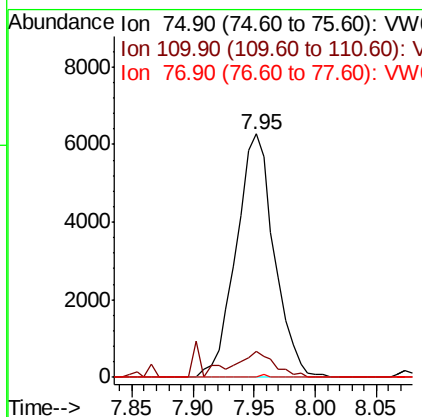
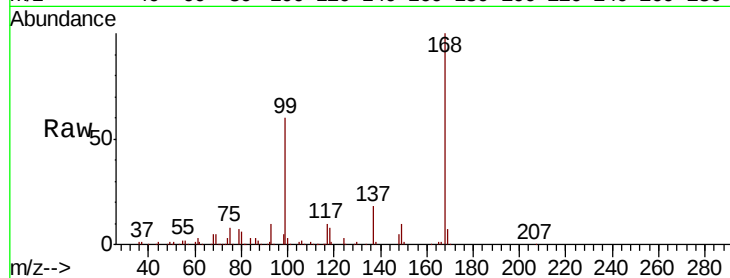




#36
 1,1-Dichloropropene
 Concen: 4.715 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005706.D
 Acq: 27 Sep 2018 17:52

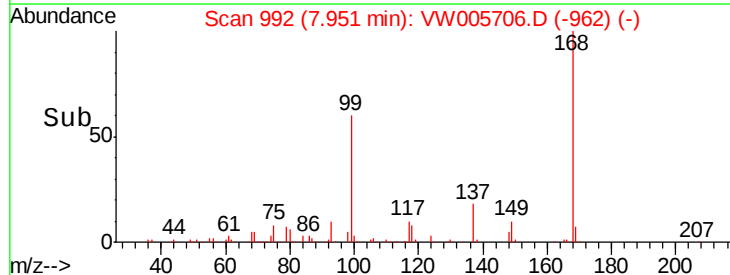
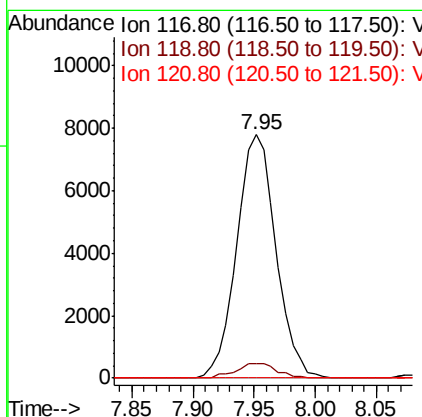
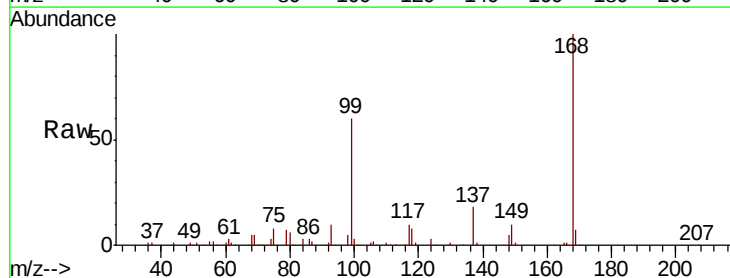
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 RA-092518-USTEXC-NW-L-063

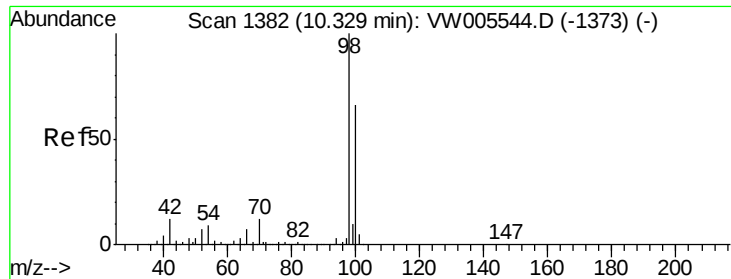
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.0	50.9#
77	0.2	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.631 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW005706.D
 Acq: 27 Sep 2018 17:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	77.6	116.4#
121	0.0	25.7	38.5#





#50

Toluene-d8

Concen: 51.767 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005706.D

Acq: 27 Sep 2018 17:52

Instrument :

MSVOA_W

ClientSampleId :

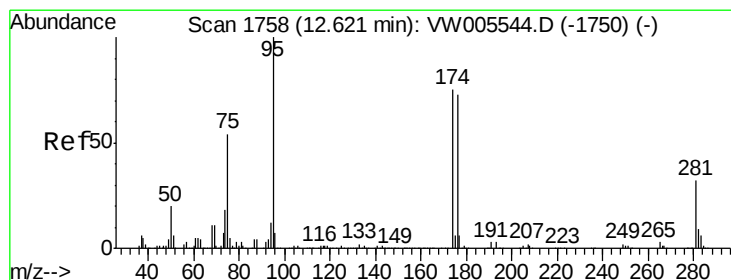
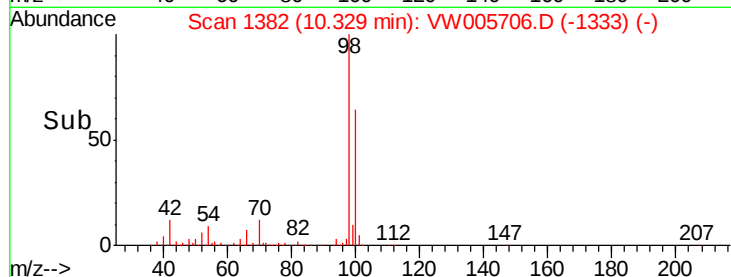
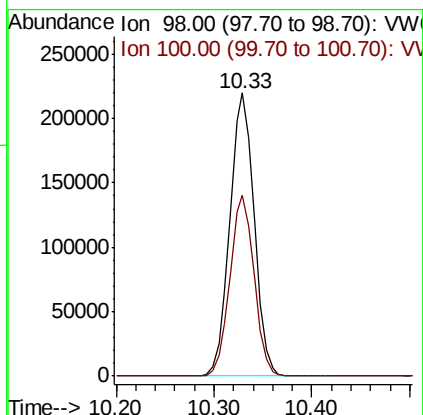
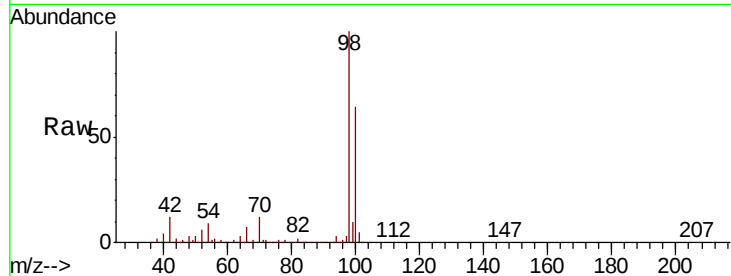
RA-092518-USTEXC-NW-L-063

Tgt Ion: 98 Resp: 378420

Ion Ratio Lower Upper

98 100

100 63.3 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 44.186 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005706.D

Acq: 27 Sep 2018 17:52

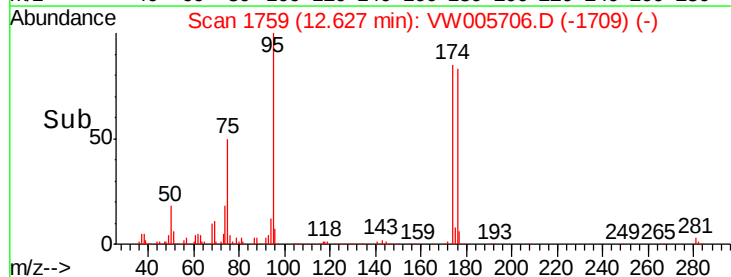
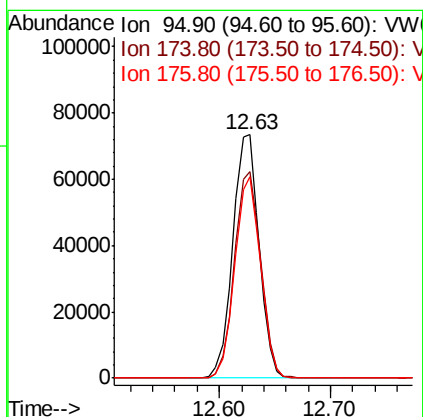
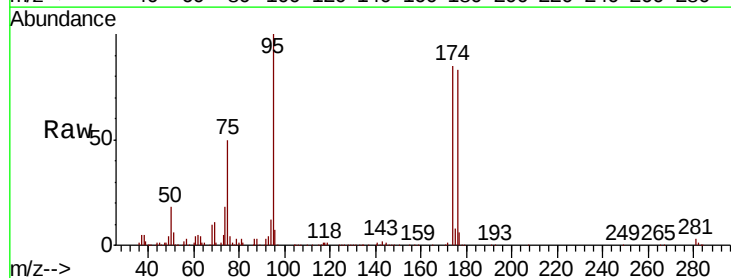
Tgt Ion: 95 Resp: 119519

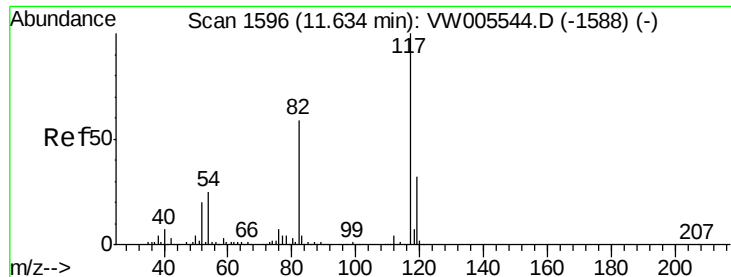
Ion Ratio Lower Upper

95 100

174 85.3 0.0 163.8

176 81.2 0.0 158.0

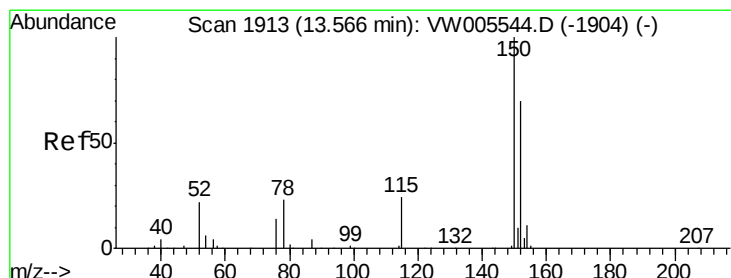
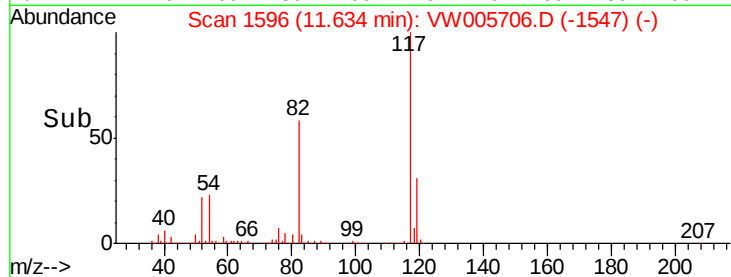
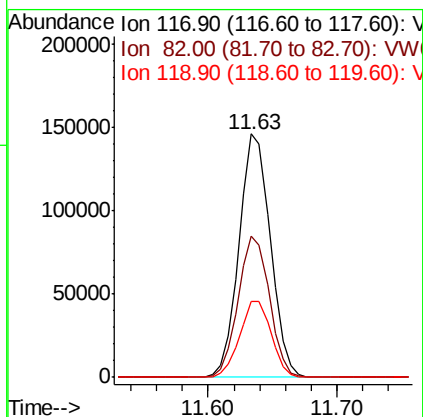
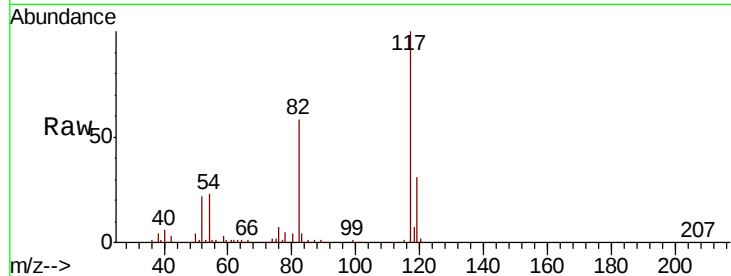




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005706.D
Acq: 27 Sep 2018 17:52

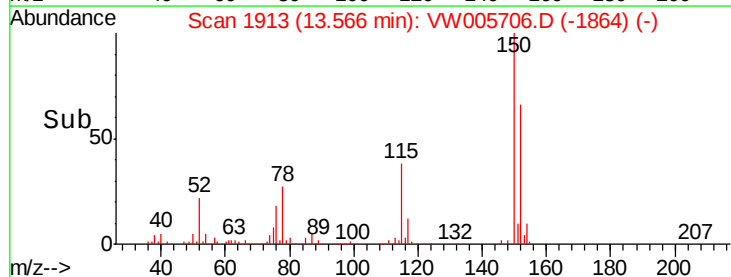
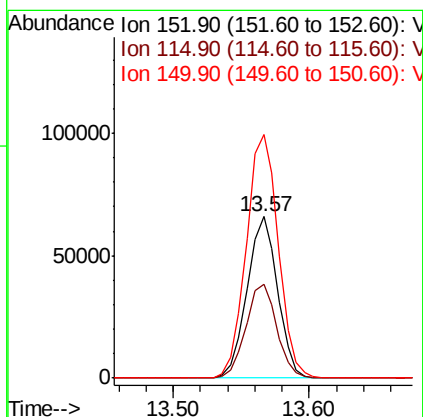
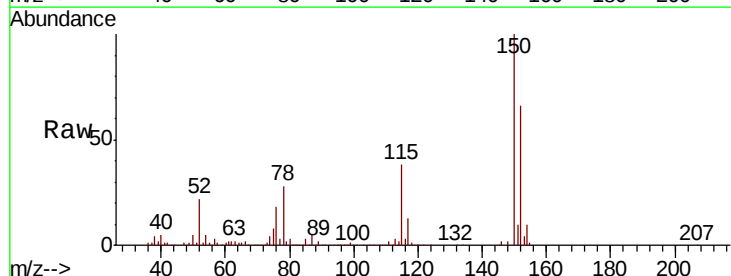
Instrument :
MSVOA_W
ClientSampleId :
RA-092518-USTEXC-NW-L-063

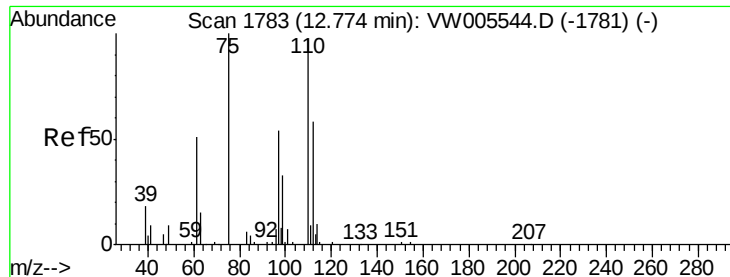
Tgt Ion:117 Resp: 246082
Ion Ratio Lower Upper
117 100
82 57.8 46.9 70.3
119 31.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005706.D
Acq: 27 Sep 2018 17:52

Tgt Ion:152 Resp: 103863
Ion Ratio Lower Upper
152 100
115 59.2 30.0 90.0
150 157.8 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 70.989 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW005706.D

Acq: 27 Sep 2018 17:52

Instrument :

MSVOA_W

ClientSampleId :

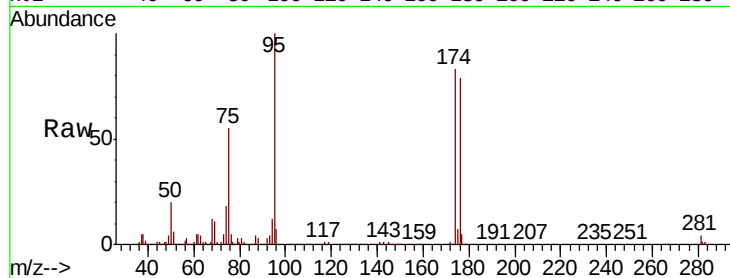
RA-092518-USTEXC-NW-L-063

Tgt Ion: 75 Resp: 62851

Ion Ratio Lower Upper

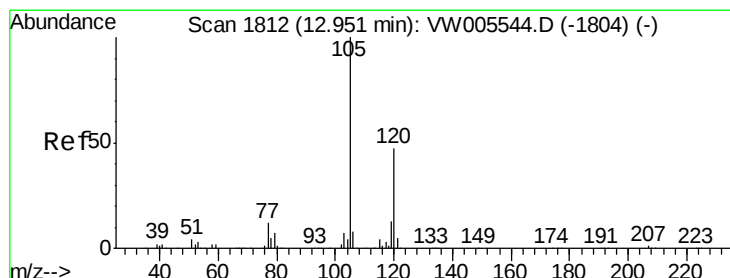
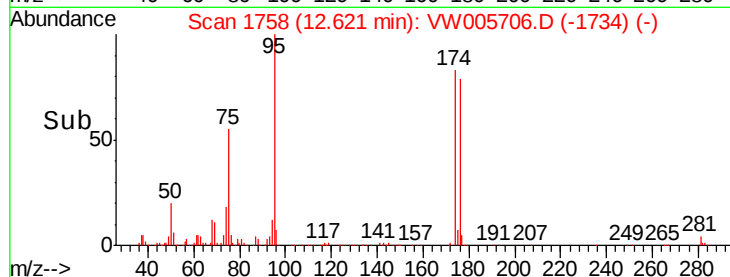
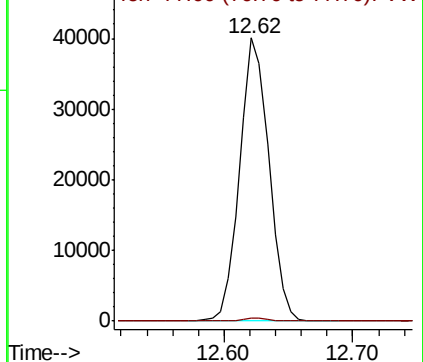
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#80

1,3,5-Trimethylbenzene

Concen: 1.057 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005706.D

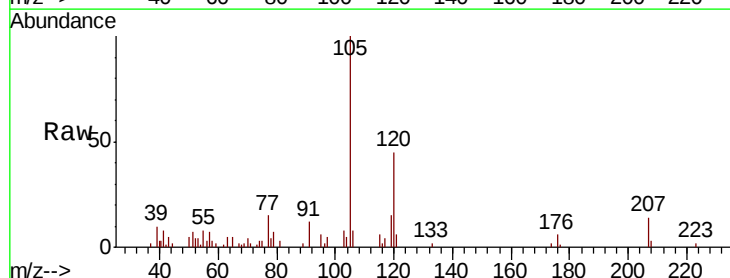
Acq: 27 Sep 2018 17:52

Tgt Ion: 105 Resp: 6622

Ion Ratio Lower Upper

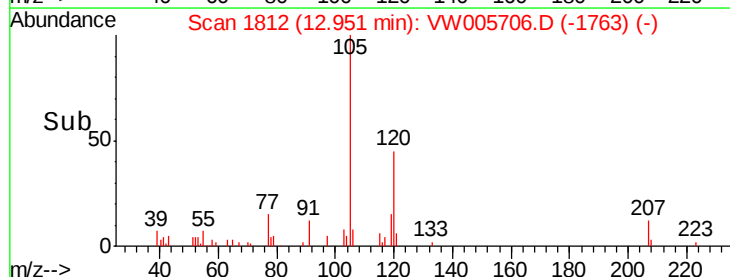
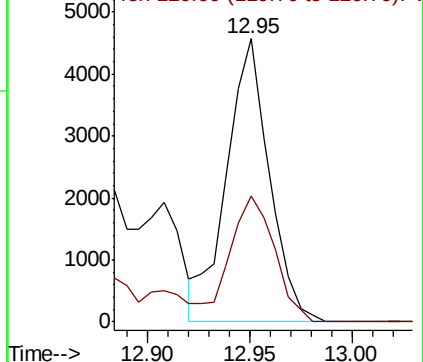
105 100

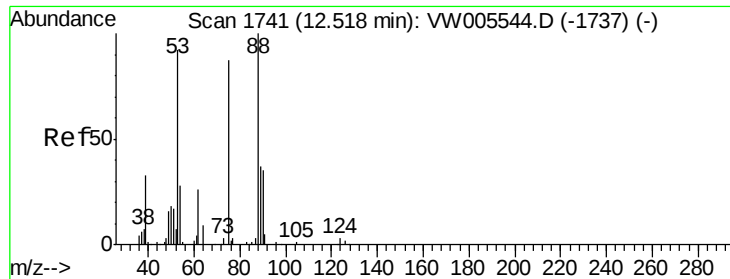
120 47.3 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

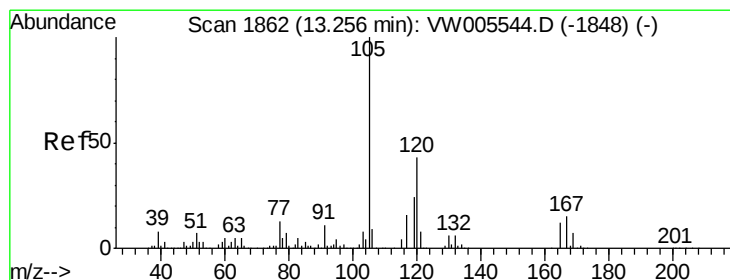
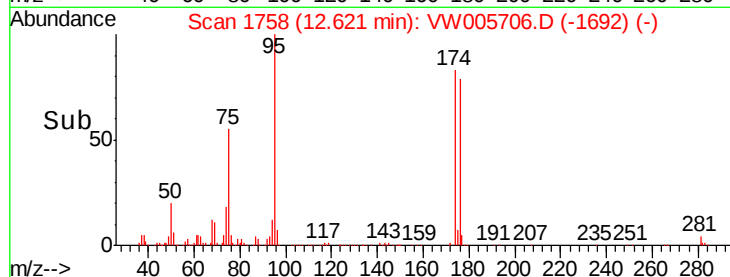
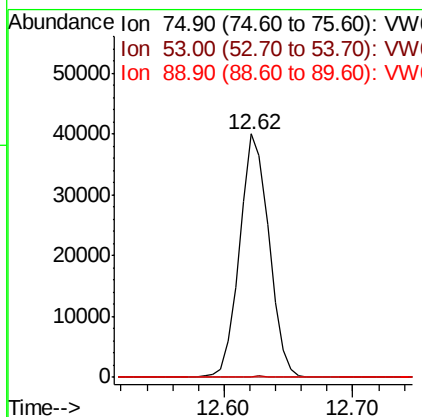
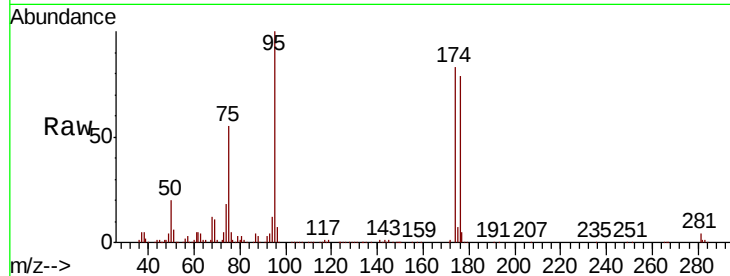




#81
trans-1,4-Dichloro-2-butene
Concen: 159.889 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.10 min
Lab File: VW005706.D
Acq: 27 Sep 2018 17:52

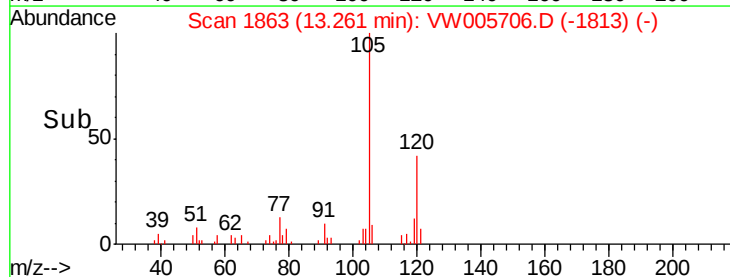
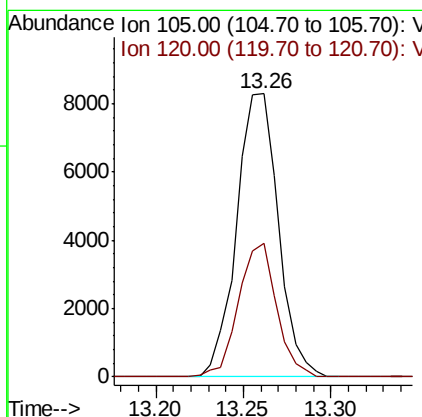
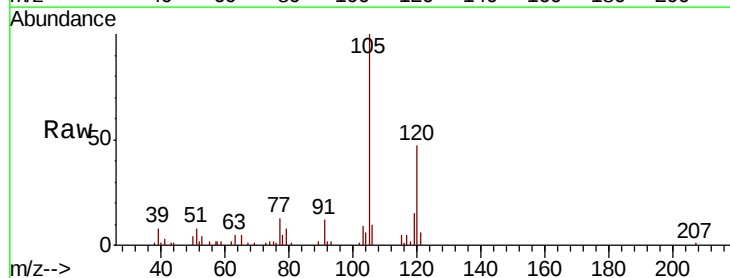
Instrument :
MSVOA_W
ClientSampleId :
RA-092518-USTEXC-NW-L-063

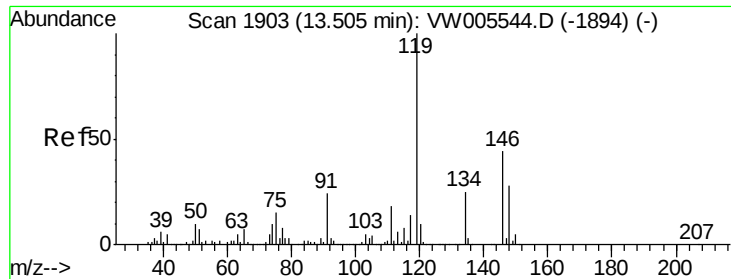
Tgt Ion: 75 Resp: 62851
Ion Ratio Lower Upper
75 100
53 0.2 85.8 128.6#
89 0.1 37.3 55.9#



#84
1,2,4-Trimethylbenzene
Concen: 2.179 ug/l
RT: 13.26 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VW005706.D
Acq: 27 Sep 2018 17:52

Tgt Ion: 105 Resp: 13771
Ion Ratio Lower Upper
105 100
120 43.1 21.5 64.5

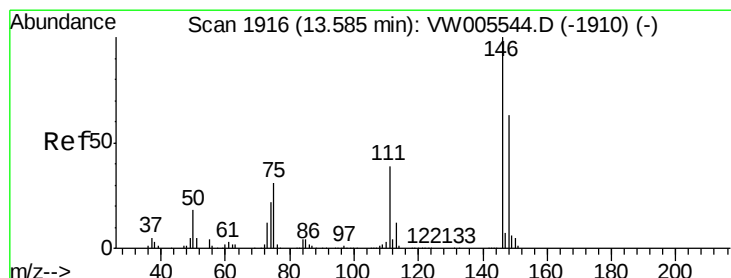
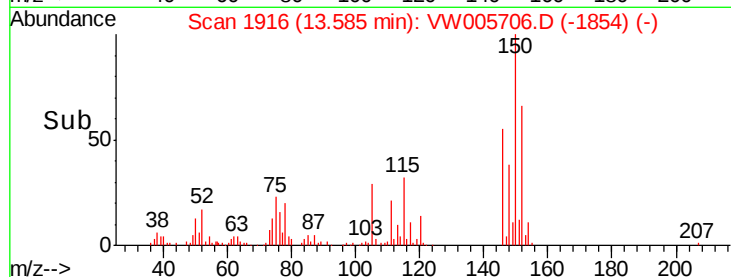
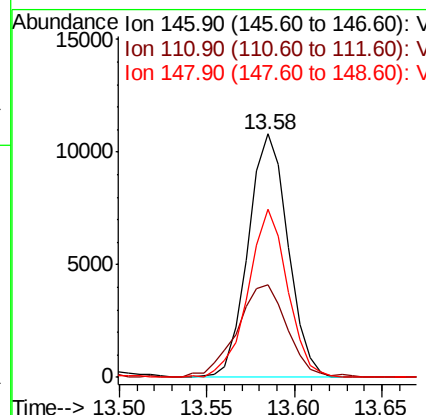
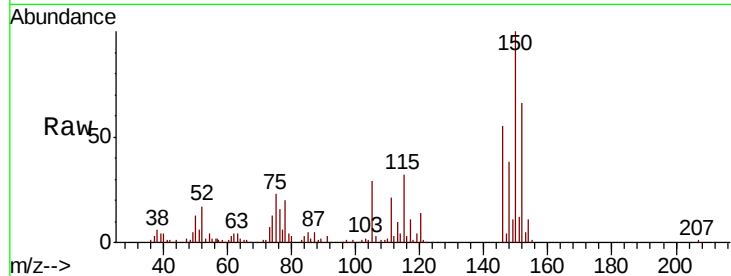




#87
 1,3-Dichlorobenzene
 Concen: 4.958 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.08 min
 Lab File: VW005706.D
 Acq: 27 Sep 2018 17:52

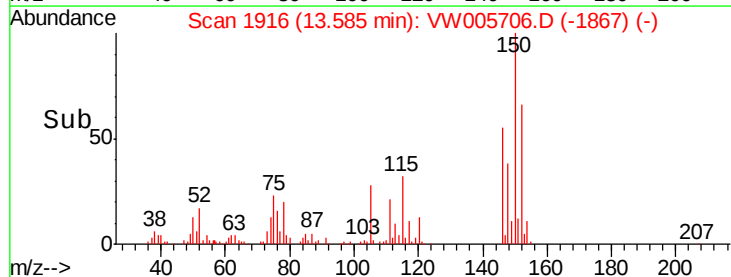
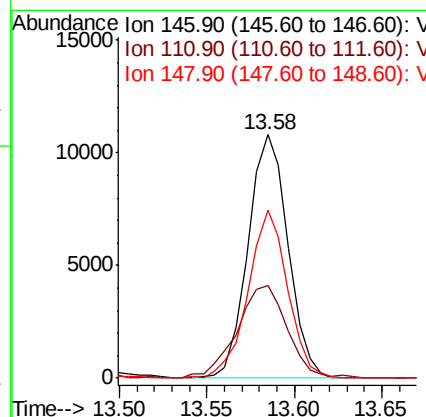
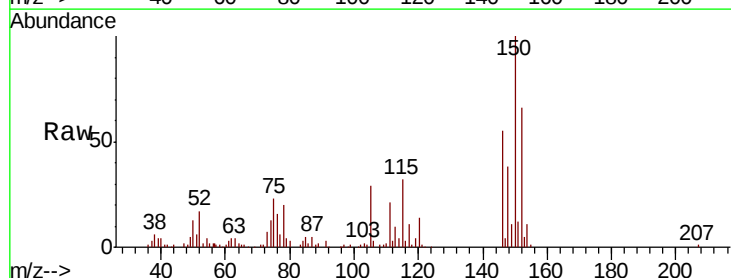
Instrument :
 MSVOA_W
 ClientSampleId :
 RA-092518-USTEXC-NW-L-063

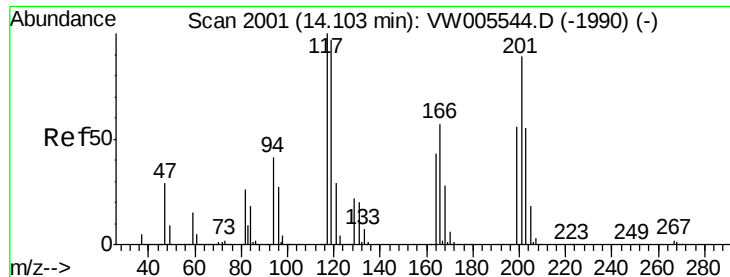
Tgt Ion:146 Resp: 17115
 Ion Ratio Lower Upper
 146 100
 111 48.3 20.3 60.9
 148 68.4 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 4.985 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005706.D
 Acq: 27 Sep 2018 17:52

Tgt Ion:146 Resp: 17115
 Ion Ratio Lower Upper
 146 100
 111 48.3 19.9 59.7
 148 68.4 32.1 96.3





#90

Hexachloroethane

Concen: 1.552 ug/l

RT: 14.11 min Scan# 2002

Delta R.T. 0.01 min

Lab File: VW005706.D

Acq: 27 Sep 2018 17:52

Instrument :

MSVOA_W

ClientSampleId :

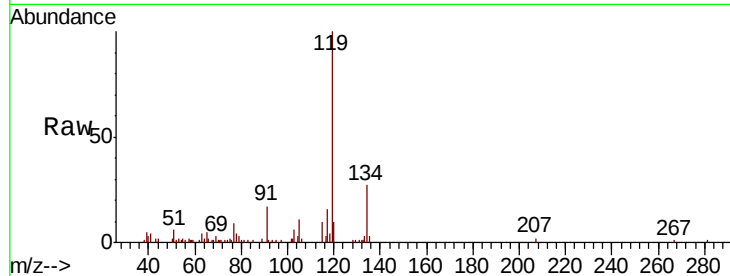
RA-092518-USTEXC-NW-L-063

Tgt Ion:117 Resp: 1924

Ion Ratio Lower Upper

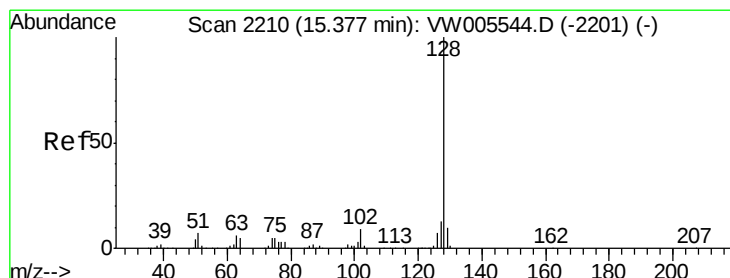
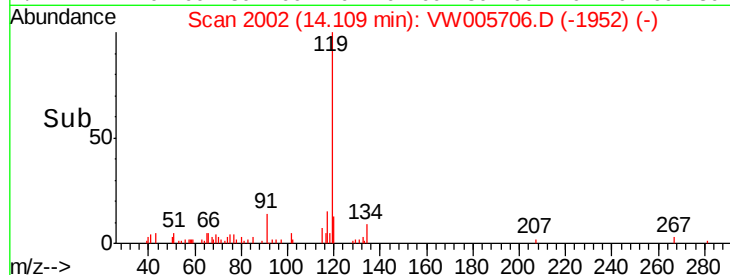
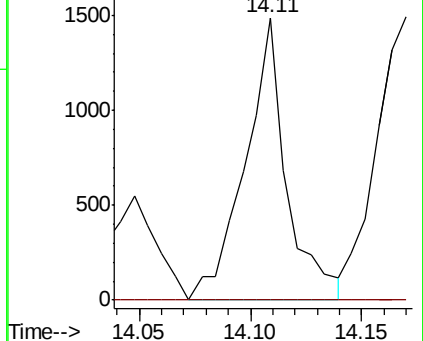
117 100

201 0.0 42.8 128.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 4.456 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005706.D

Acq: 27 Sep 2018 17:52

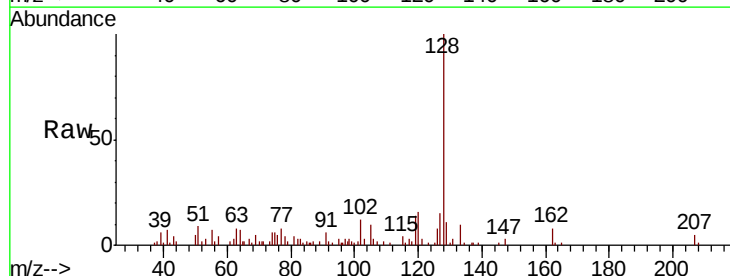
Tgt Ion:128 Resp: 16293

Ion Ratio Lower Upper

128 100

127 15.4 10.9 16.3

129 10.2 8.6 13.0



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

