

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092718\
 Data File : VW005707.D
 Acq On : 27 Sep 2018 18:18
 Operator : VA/AP
 Sample : J5118-02
 Misc : 5.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RA-092518-USTEXC-NW-R-064

Quant Time: Sep 28 01:23:02 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	7.95	168	170339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	262380	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	219671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	86974	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	116461	58.04	ug/l	0.00
Spiked Amount			Recovery	=	116.08%	
35) Dibromofluoromethane	7.89	113	91505	55.46	ug/l	0.00
Spiked Amount			Recovery	=	110.92%	
50) Toluene-d8	10.33	98	319436	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
62) 4-Bromofluorobenzene	12.62	95	99481	40.02	ug/l	0.00
Spiked Amount			Recovery	=	80.04%	

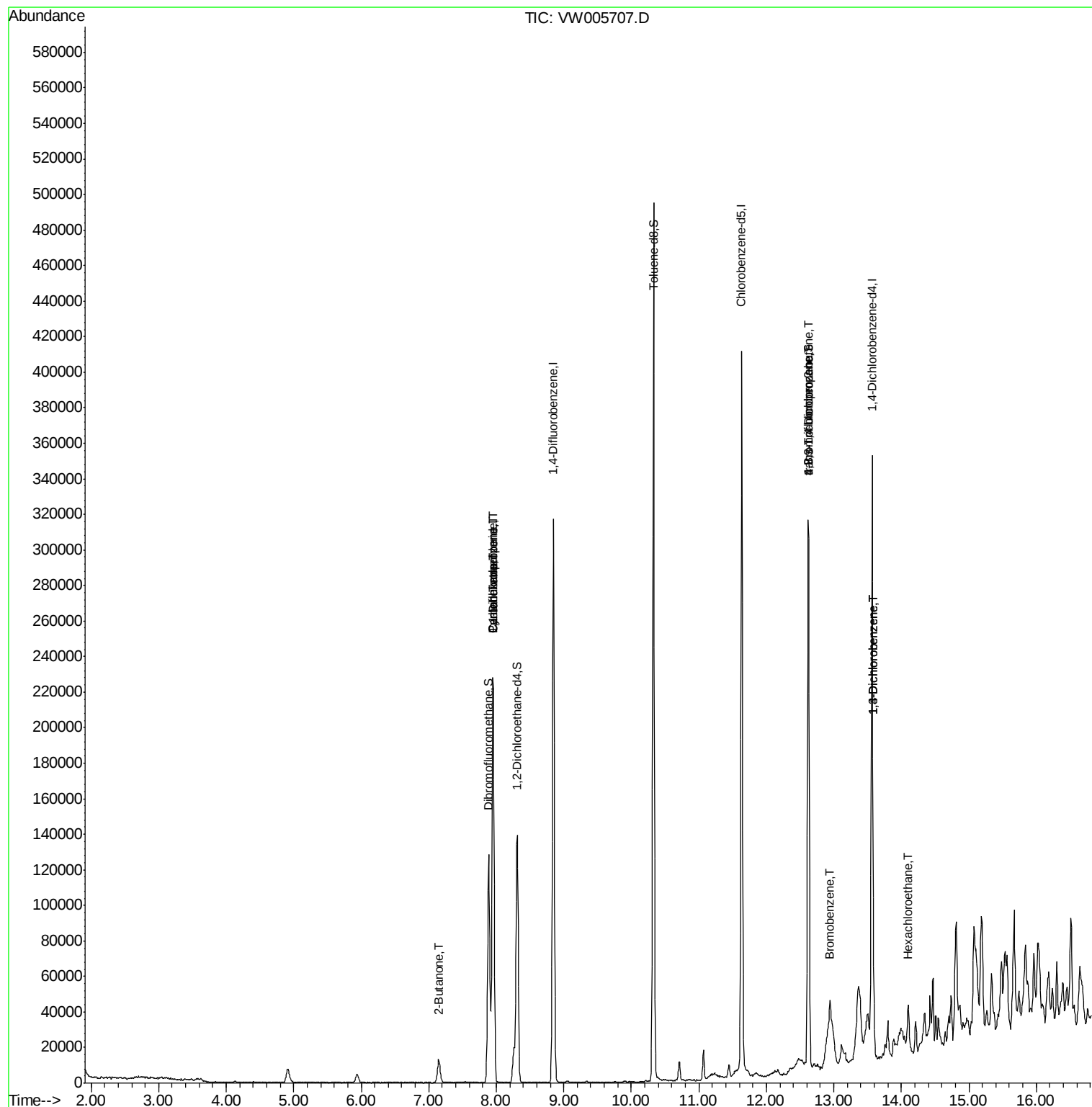
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	20	Below Cal	#	41
11) Tert butyl alcohol	5.20	59	208	Below Cal	#	72
16) Acetone	4.12	43	1342	Below Cal		97
20) Methylene Chloride	4.90	84	6204	Below Cal		87
25) 2-Butanone	7.14	43	513	1.053	ug/l #	50
31) Cyclohexane	7.96	56	3769	1.211	ug/l #	11
36) 1,1-Dichloropropene	7.95	75	12987	4.917	ug/l #	50
38) Carbon Tetrachloride	7.95	117	17057	6.026	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	52651	71.016	ug/l #	100
77) Bromobenzene	12.93	156	21248	15.031	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	52651	159.950	ug/l #	7
87) 1,3-Dichlorobenzene	13.58	146	9342	3.232	ug/l	85
88) 1,4-Dichlorobenzene	13.58	146	9342	3.250	ug/l	85
90) Hexachloroethane	14.11	117	1287	1.240	ug/l #	7

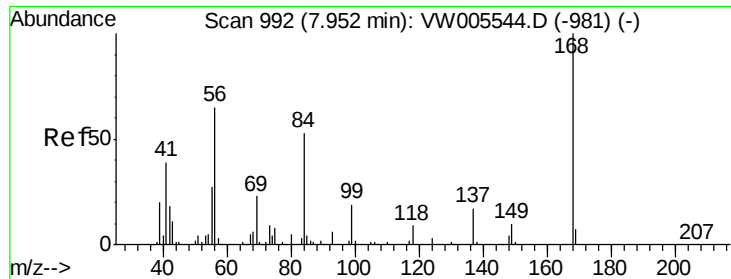
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005707.D

Acq: 27 Sep 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

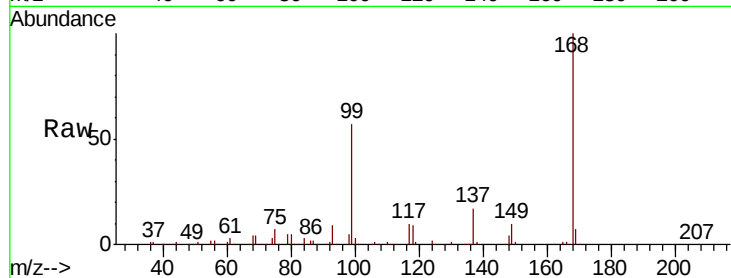
RA-092518-USTEXC-NW-R-064

Tgt Ion:168 Resp: 170339

Ion Ratio Lower Upper

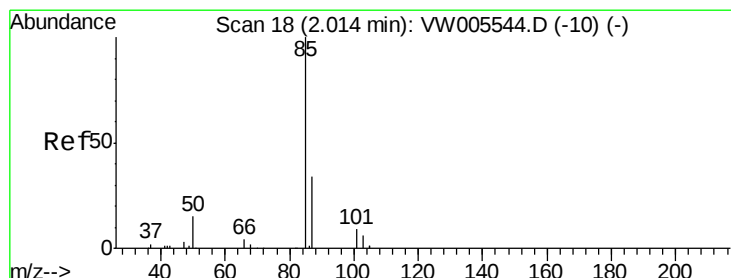
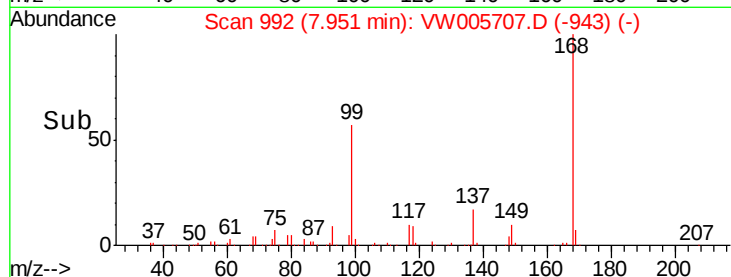
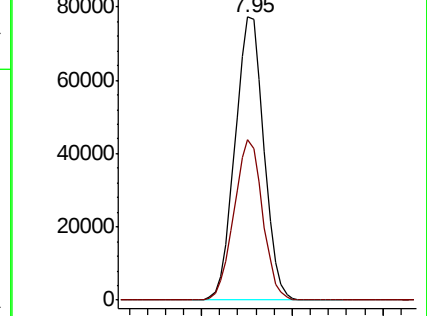
168 100

99 56.7 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# 18

Delta R.T. 0.00 min

Lab File: VW005707.D

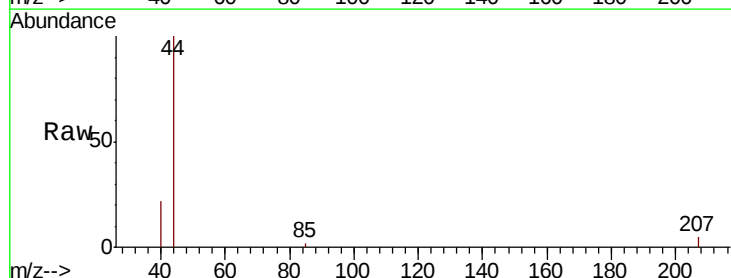
Acq: 27 Sep 2018 18:18

Tgt Ion: 85 Resp: 20

Ion Ratio Lower Upper

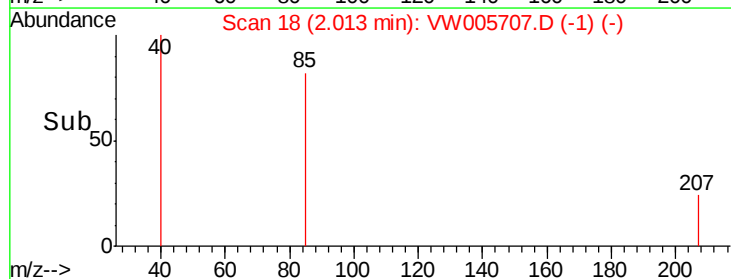
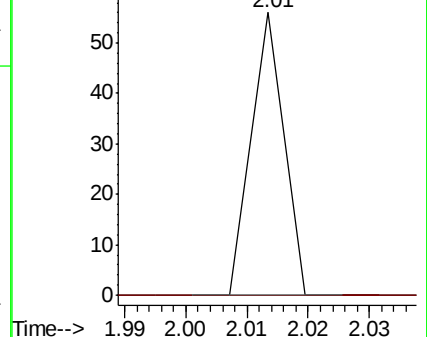
85 100

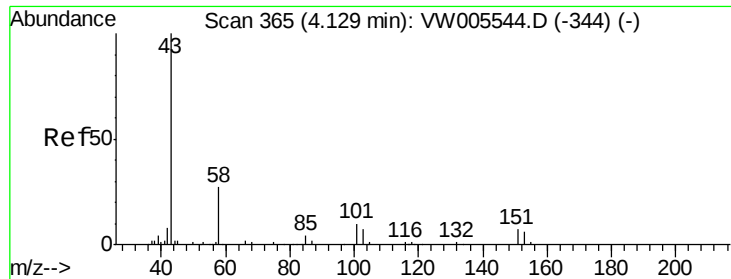
87 0.0 17.0 50.9#



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: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW005707.D

Acq: 27 Sep 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

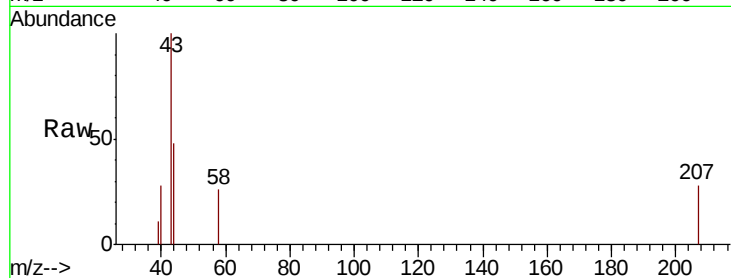
RA-092518-USTEXC-NW-R-064

Tgt Ion: 43 Resp: 1342

Ion Ratio Lower Upper

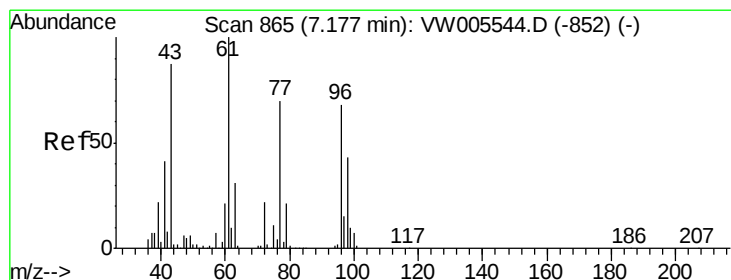
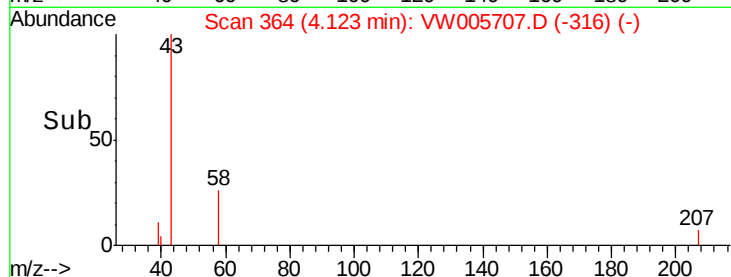
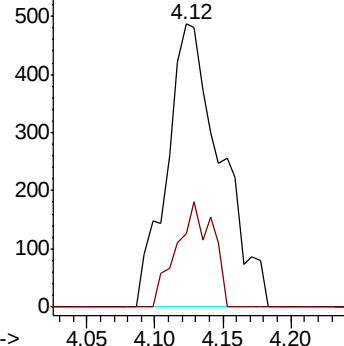
43 100

58 25.9 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#25

2-Butanone

Concen: 1.053 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.04 min

Lab File: VW005707.D

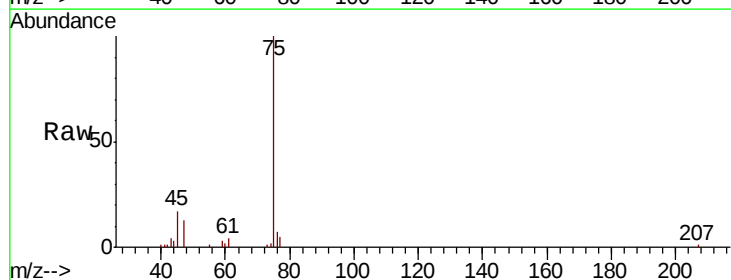
Acq: 27 Sep 2018 18:18

Tgt Ion: 43 Resp: 513

Ion Ratio Lower Upper

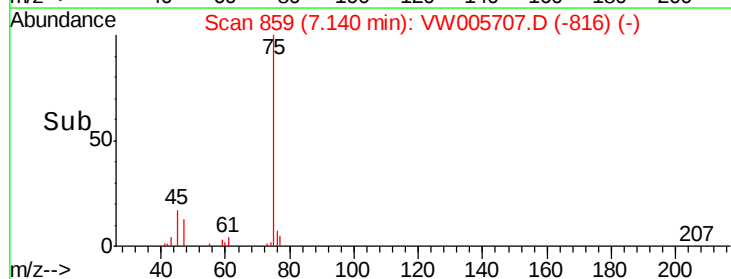
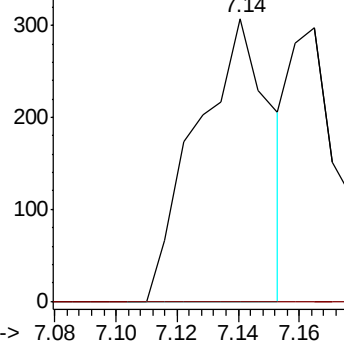
43 100

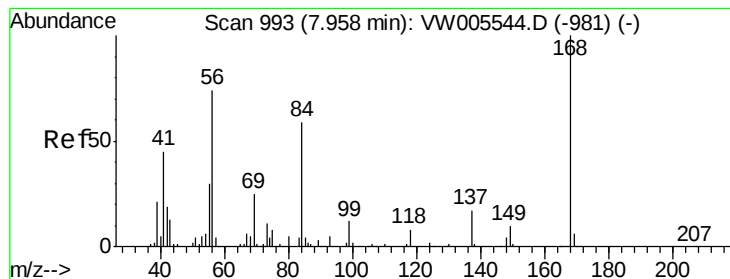
72 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.211 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005707.D

Acq: 27 Sep 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

RA-092518-USTEXC-NW-R-064

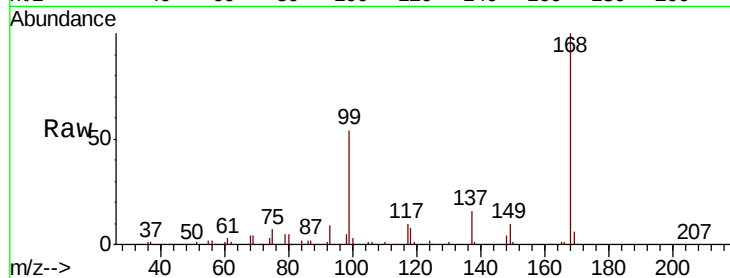
Tgt Ion: 56 Resp: 3769

Ion Ratio Lower Upper

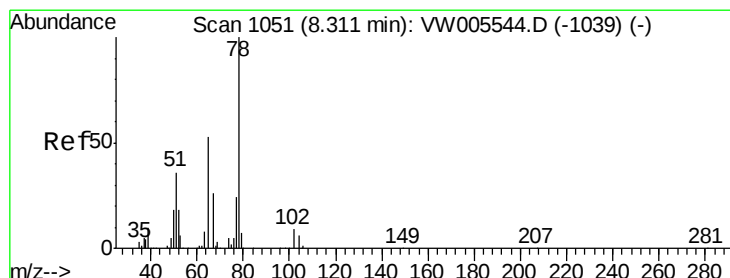
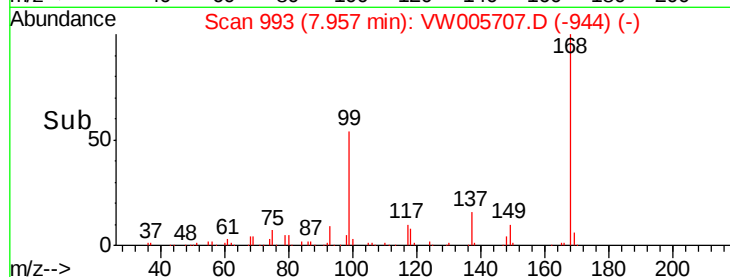
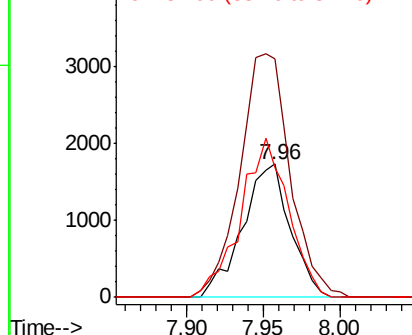
56 100

69 179.3 27.0 40.4#

84 97.5 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: 58.036 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005707.D

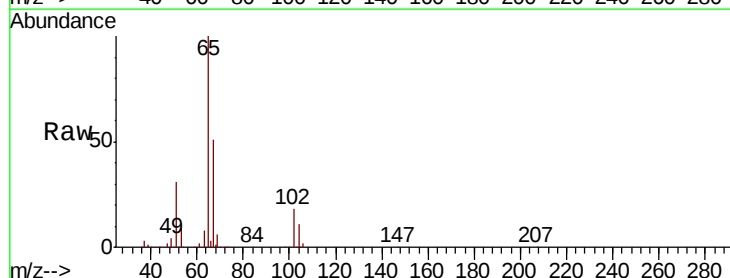
Acq: 27 Sep 2018 18:18

Tgt Ion: 65 Resp: 116461

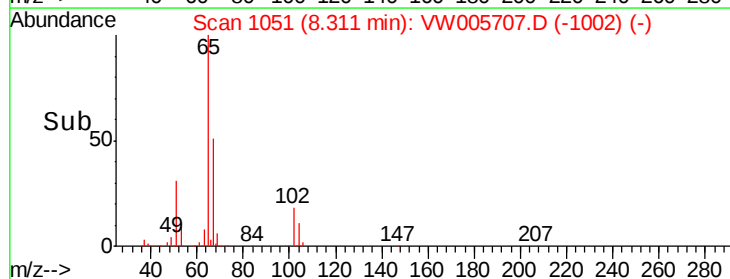
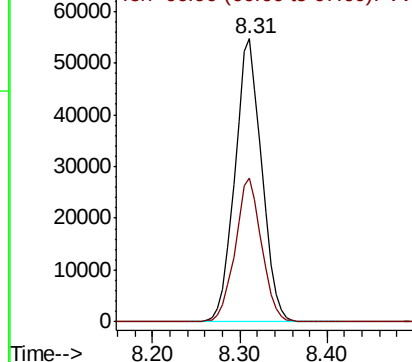
Ion Ratio Lower Upper

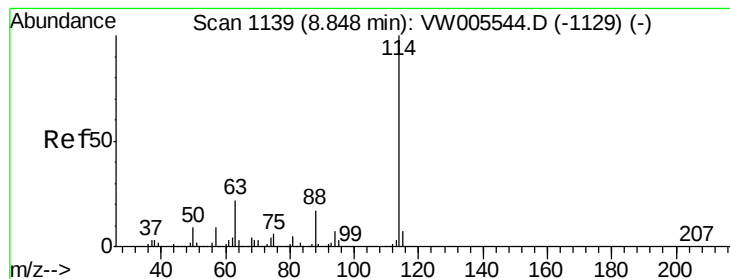
65 100

67 50.0 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: VW005707.D

Acq: 27 Sep 2018 18:18

Instrument :

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RA-092518-USTEXC-NW-R-064

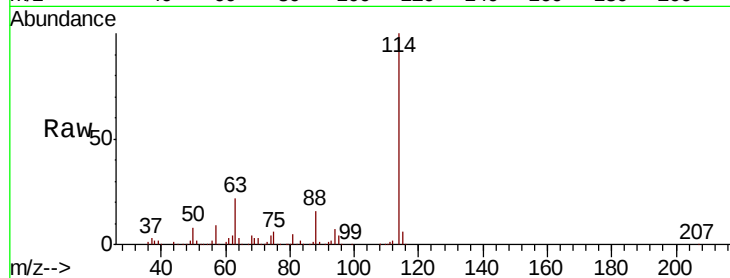
Tgt Ion:114 Resp: 262380

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.0

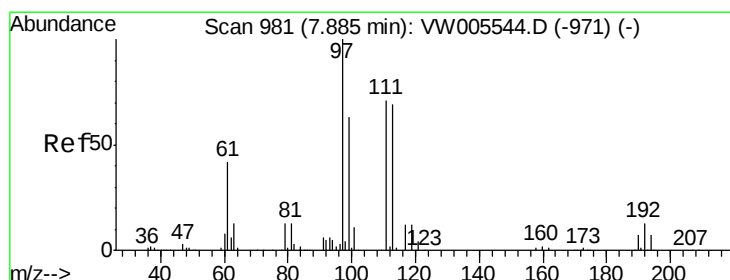
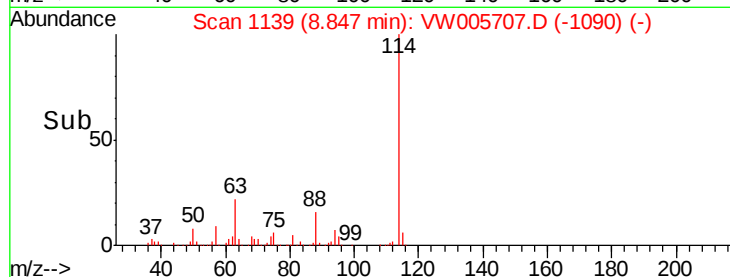
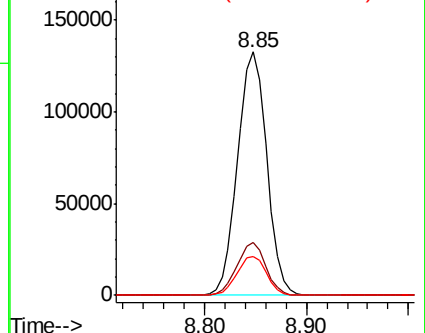
88 15.9 0.0 33.0



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: 55.457 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW005707.D

Acq: 27 Sep 2018 18:18

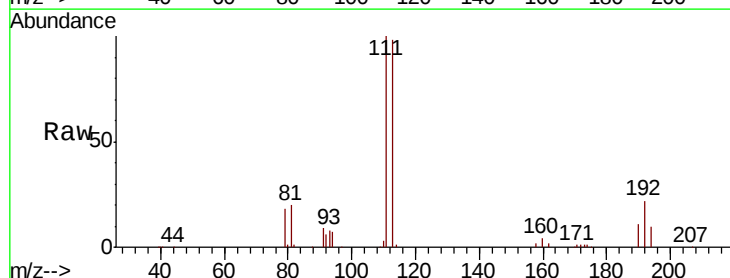
Tgt Ion:113 Resp: 91505

Ion Ratio Lower Upper

113 100

111 99.1 82.6 123.8

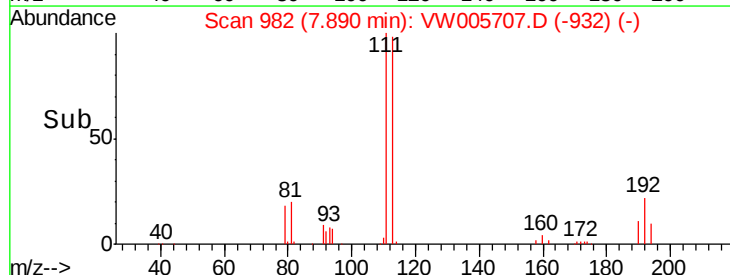
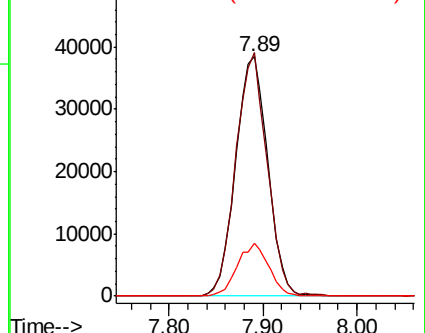
192 21.5 17.0 25.4

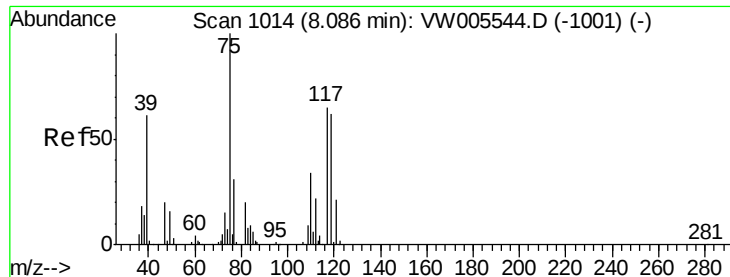


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

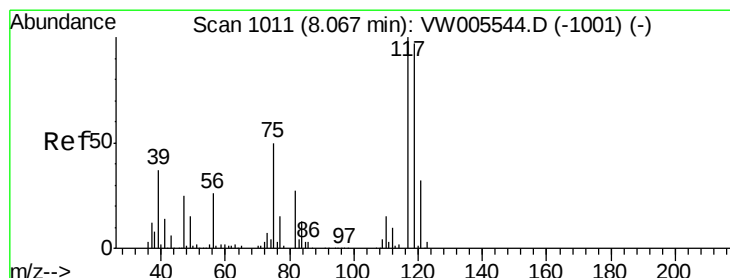
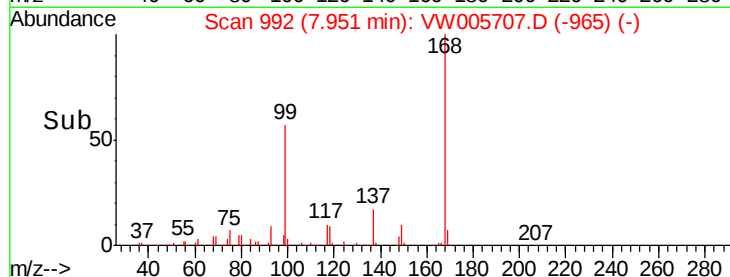
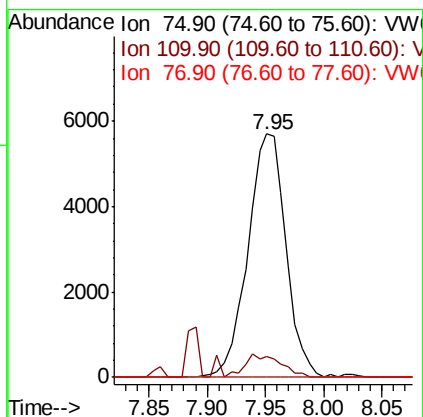
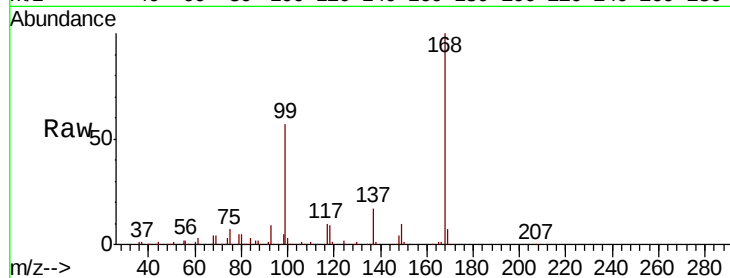




#36
 1,1-Dichloropropene
 Concen: 4.917 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005707.D
 Acq: 27 Sep 2018 18:18

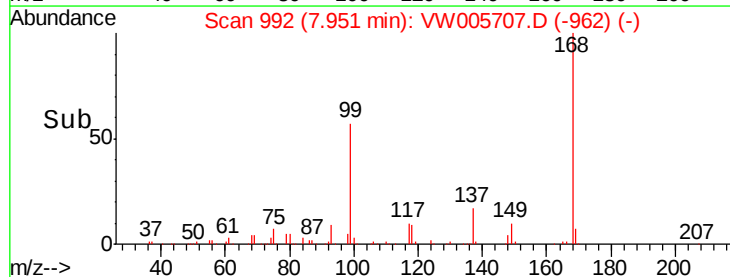
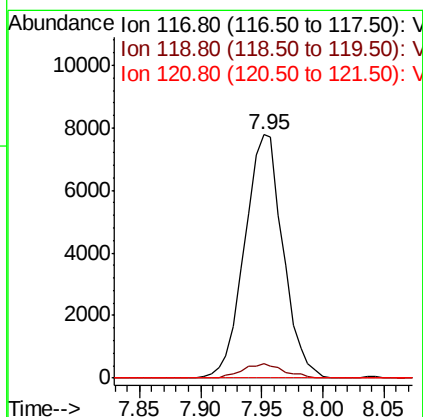
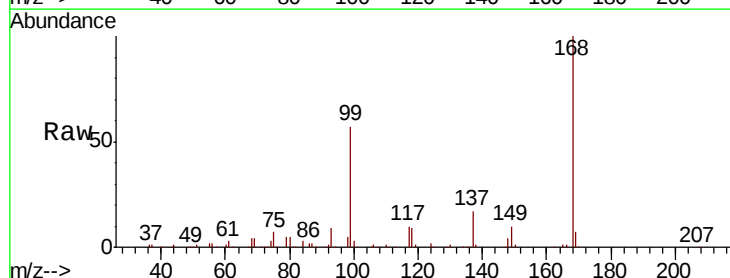
Instrument :
 MSVOA_W
 ClientSampleId :
 RA-092518-USTEXC-NW-R-064

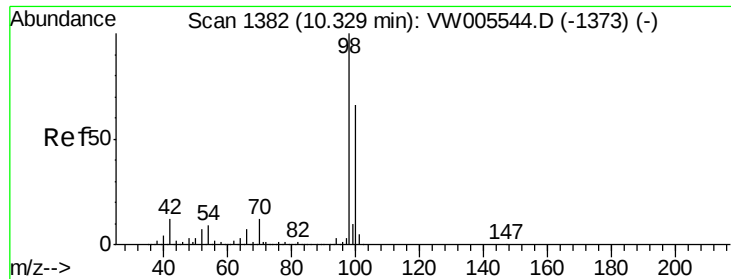
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.0	50.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.026 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW005707.D
 Acq: 27 Sep 2018 18:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	77.6	116.4#
121	0.0	25.7	38.5#





#50

Toluene-d8

Concen: 47.546 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005707.D

Acq: 27 Sep 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

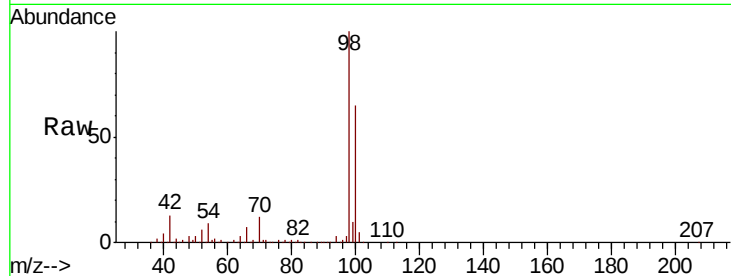
RA-092518-USTEXC-NW-R-064

Tgt Ion: 98 Resp: 319436

Ion Ratio Lower Upper

98 100

100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.33

200000

150000

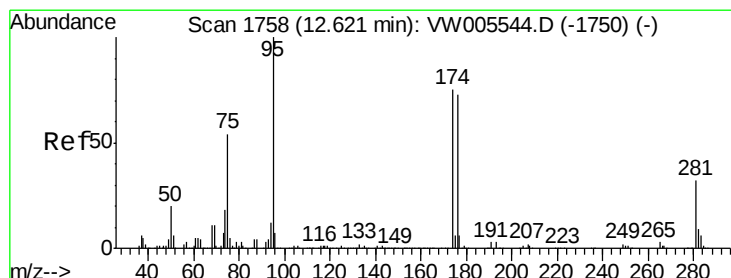
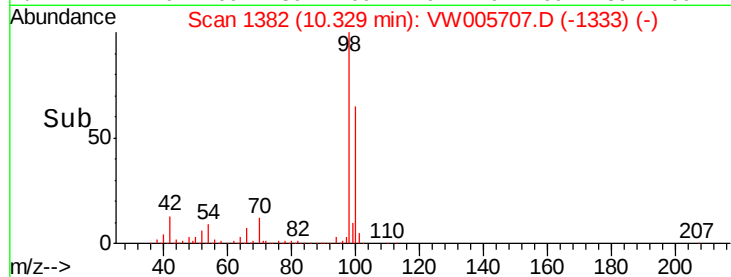
100000

50000

0

10.30 10.40

Time-->



#62

4-Bromofluorobenzene

Concen: 40.017 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005707.D

Acq: 27 Sep 2018 18:18

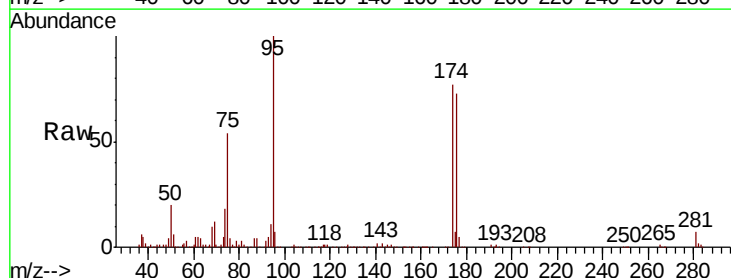
Tgt Ion: 95 Resp: 99481

Ion Ratio Lower Upper

95 100

174 81.8 0.0 163.8

176 78.6 0.0 158.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

80000

60000

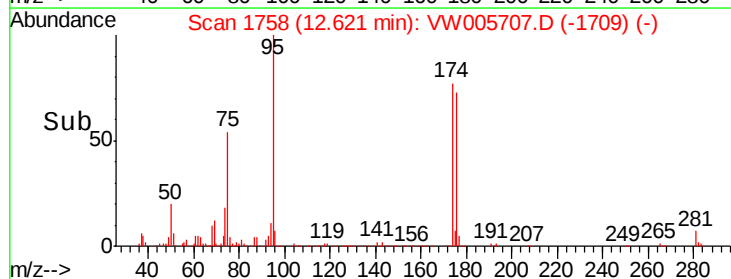
40000

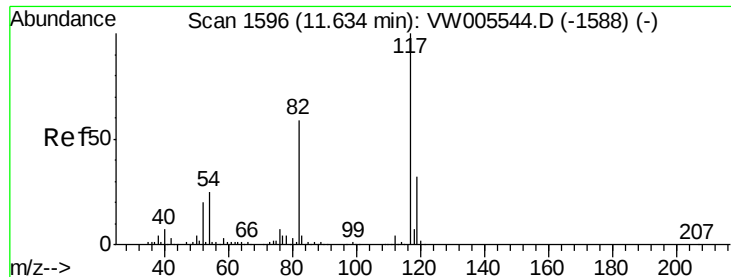
20000

0

12.55 12.60 12.65 12.70

Time-->

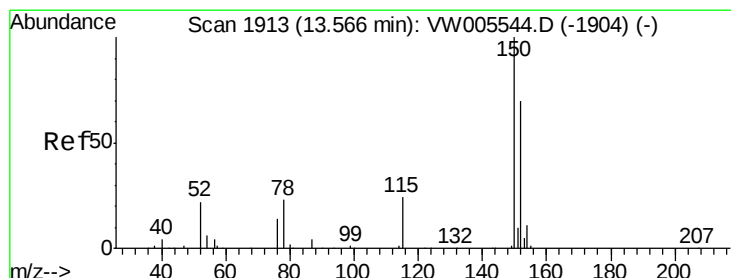
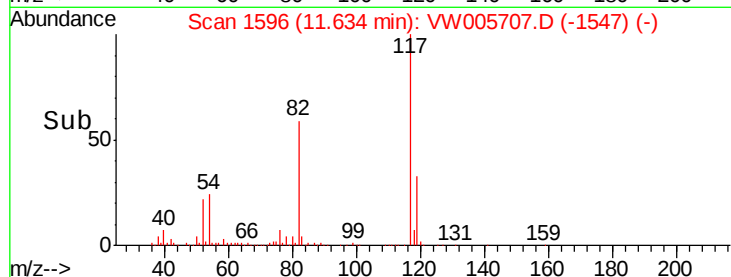
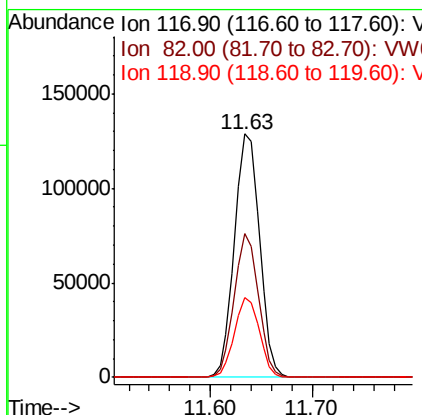
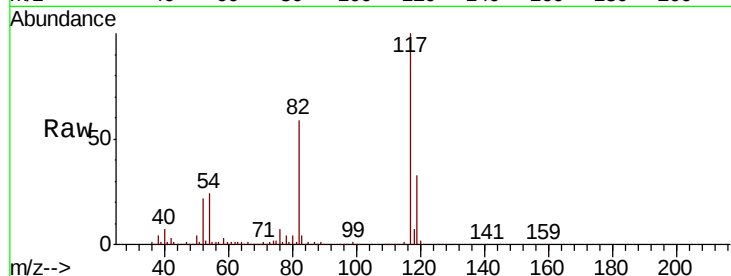




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005707.D
Acq: 27 Sep 2018 18:18

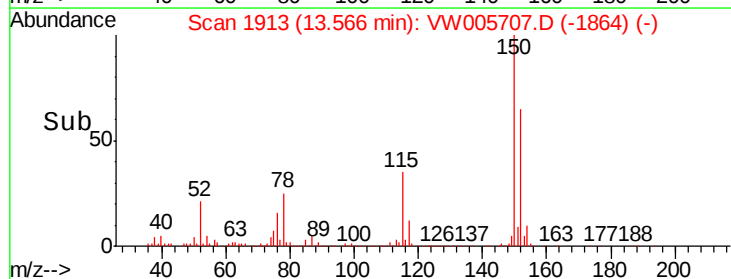
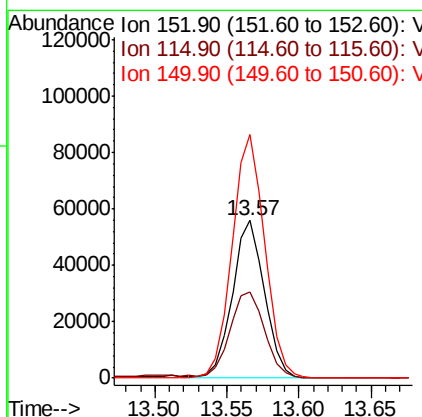
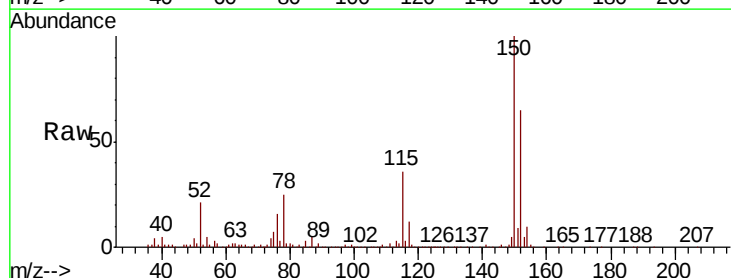
Instrument :
MSVOA_W
ClientSampleId :
RA-092518-USTEXC-NW-R-064

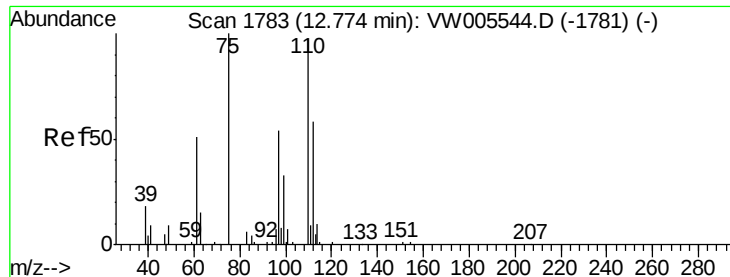
Tgt Ion:117 Resp: 219671
Ion Ratio Lower Upper
117 100
82 59.0 46.9 70.3
119 32.9 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005707.D
Acq: 27 Sep 2018 18:18

Tgt Ion:152 Resp: 86974
Ion Ratio Lower Upper
152 100
115 58.7 30.0 90.0
150 155.3 0.0 348.6

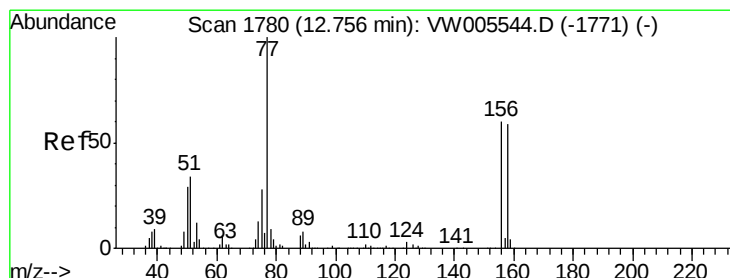
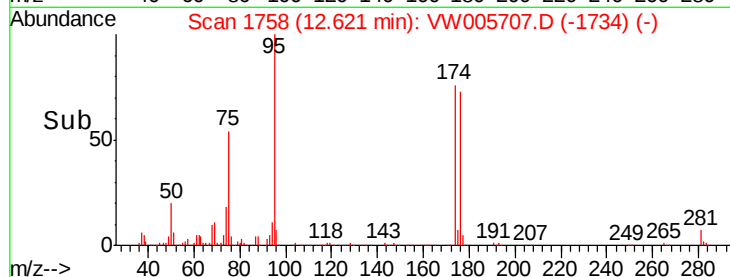
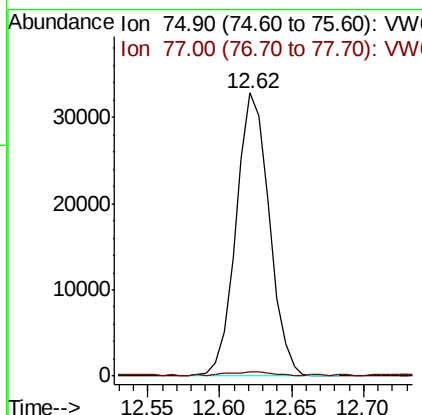
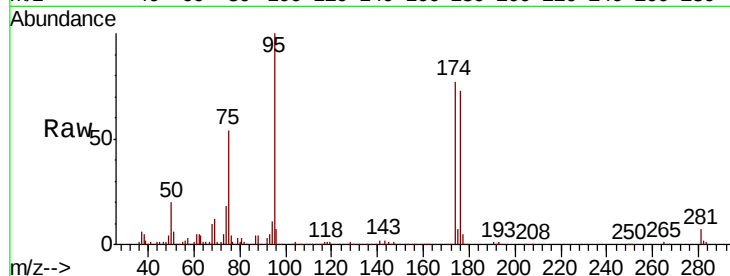




#76
 1,2,3-Trichloropropane
 Concen: 71.016 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW005707.D
 Acq: 27 Sep 2018 18:18

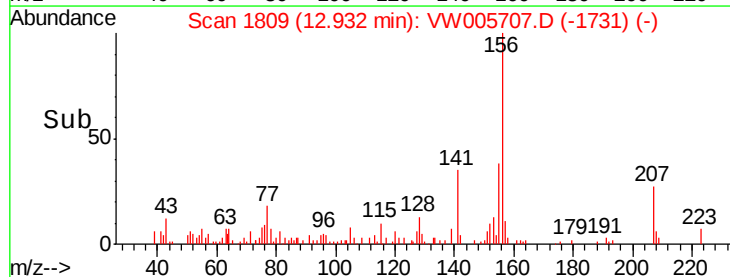
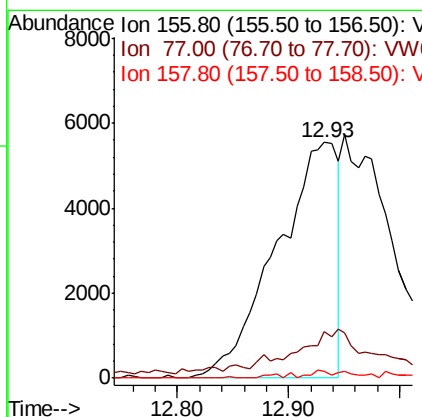
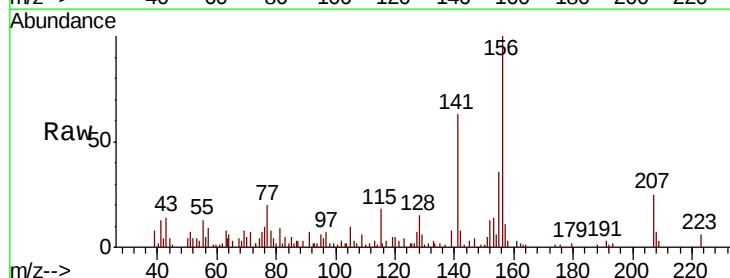
Instrument :
 MSVOA_W
 ClientSampleId :
 RA-092518-USTEXC-NW-R-064

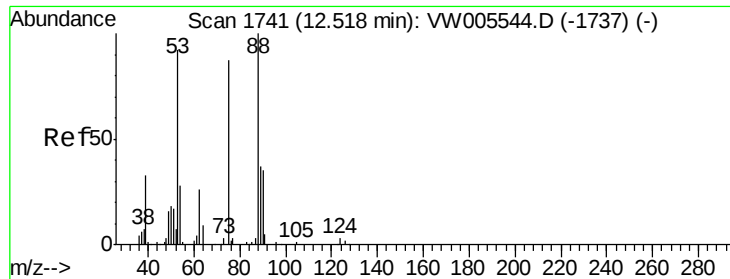
Tgt Ion: 75 Resp: 52651
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#77
 Bromobenzene
 Concen: 15.031 ug/l
 RT: 12.93 min Scan# 1809
 Delta R.T. 0.18 min
 Lab File: VW005707.D
 Acq: 27 Sep 2018 18:18

Tgt Ion: 156 Resp: 21248
 Ion Ratio Lower Upper
 156 100
 77 0.0 94.7 284.1#
 158 1.0 48.0 144.2#





#81

trans-1,4-Dichloro-2-butene

Concen: 159.950 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005707.D

Acq: 27 Sep 2018 18:18

Instrument :

MSVOA_W

ClientSampleId :

RA-092518-USTEXC-NW-R-064

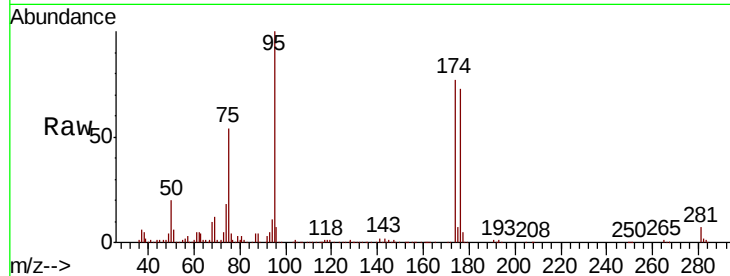
Tgt Ion: 75 Resp: 52651

Ion Ratio Lower Upper

75 100

53 0.4 85.8 128.6#

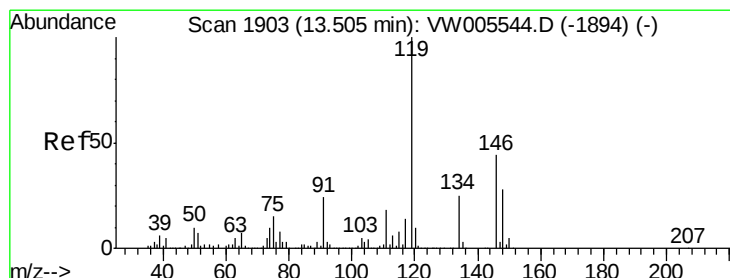
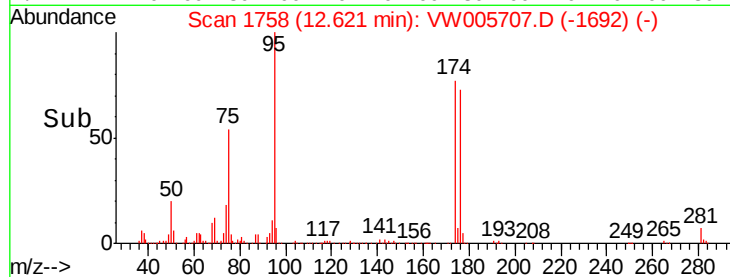
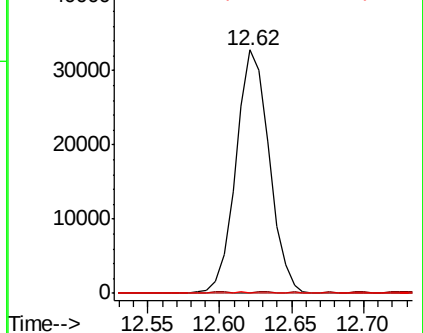
89 0.3 37.3 55.9#



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



#87

1,3-Dichlorobenzene

Concen: 3.232 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.08 min

Lab File: VW005707.D

Acq: 27 Sep 2018 18:18

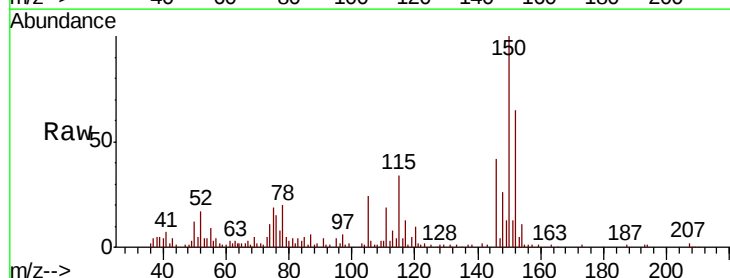
Tgt Ion: 146 Resp: 9342

Ion Ratio Lower Upper

146 100

111 54.6 20.3 60.9

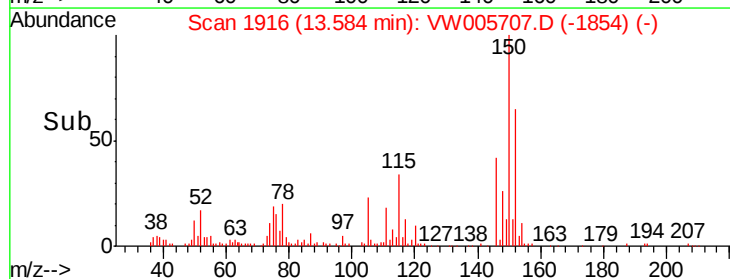
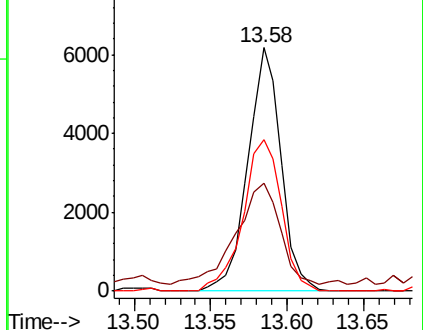
148 71.5 31.8 95.4

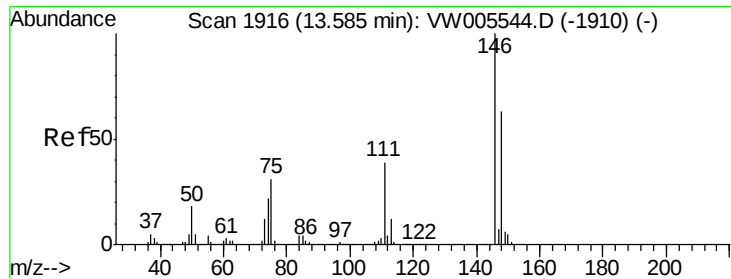


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

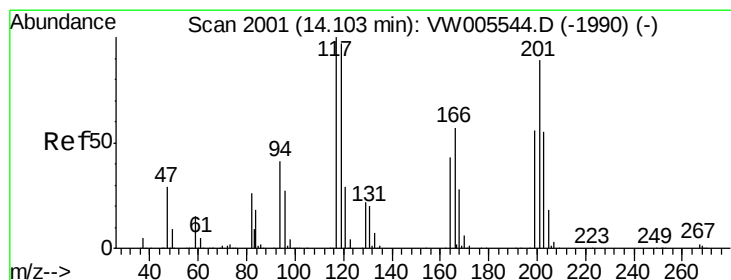
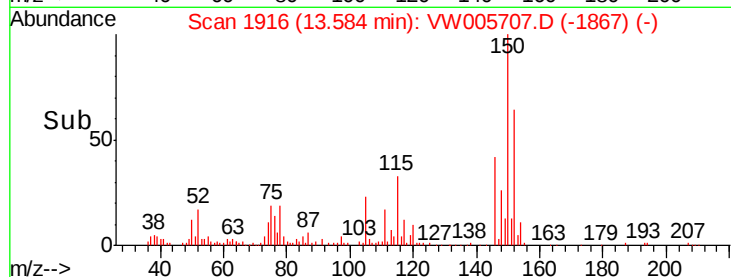
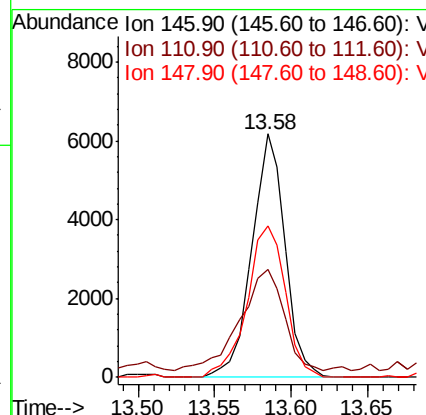
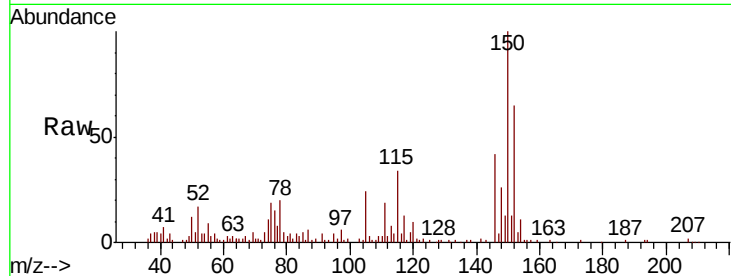




#88
 1,4-Dichlorobenzene
 Concen: 3.250 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005707.D
 Acq: 27 Sep 2018 18:18

Instrument :
 MSVOA_W
 ClientSampleId :
 RA-092518-USTEXC-NW-R-064

Tgt Ion:146 Resp: 9342
 Ion Ratio Lower Upper
 146 100
 111 54.6 19.9 59.7
 148 71.5 32.1 96.3



#90
 Hexachloroethane
 Concen: 1.240 ug/l
 RT: 14.11 min Scan# 2002
 Delta R.T. 0.01 min
 Lab File: VW005707.D
 Acq: 27 Sep 2018 18:18

Tgt Ion:117 Resp: 1287
 Ion Ratio Lower Upper
 117 100
 201 0.0 42.8 128.3#

