

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110218\
 Data File : VW006571.D
 Acq On : 01 Nov 2018 20:25
 Operator : SY/AP
 Sample : J5700-03
 Misc : 5.96G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SI-3

Quant Time: Nov 02 04:01:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	189037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	312256	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	283631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	136828	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	111006	68.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	136.62%	
35) Dibromofluoromethane	7.88	113	113549	57.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.88%	
50) Toluene-d8	10.33	98	396558	53.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.32%	
62) 4-Bromofluorobenzene	12.62	95	130473	48.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.48%	

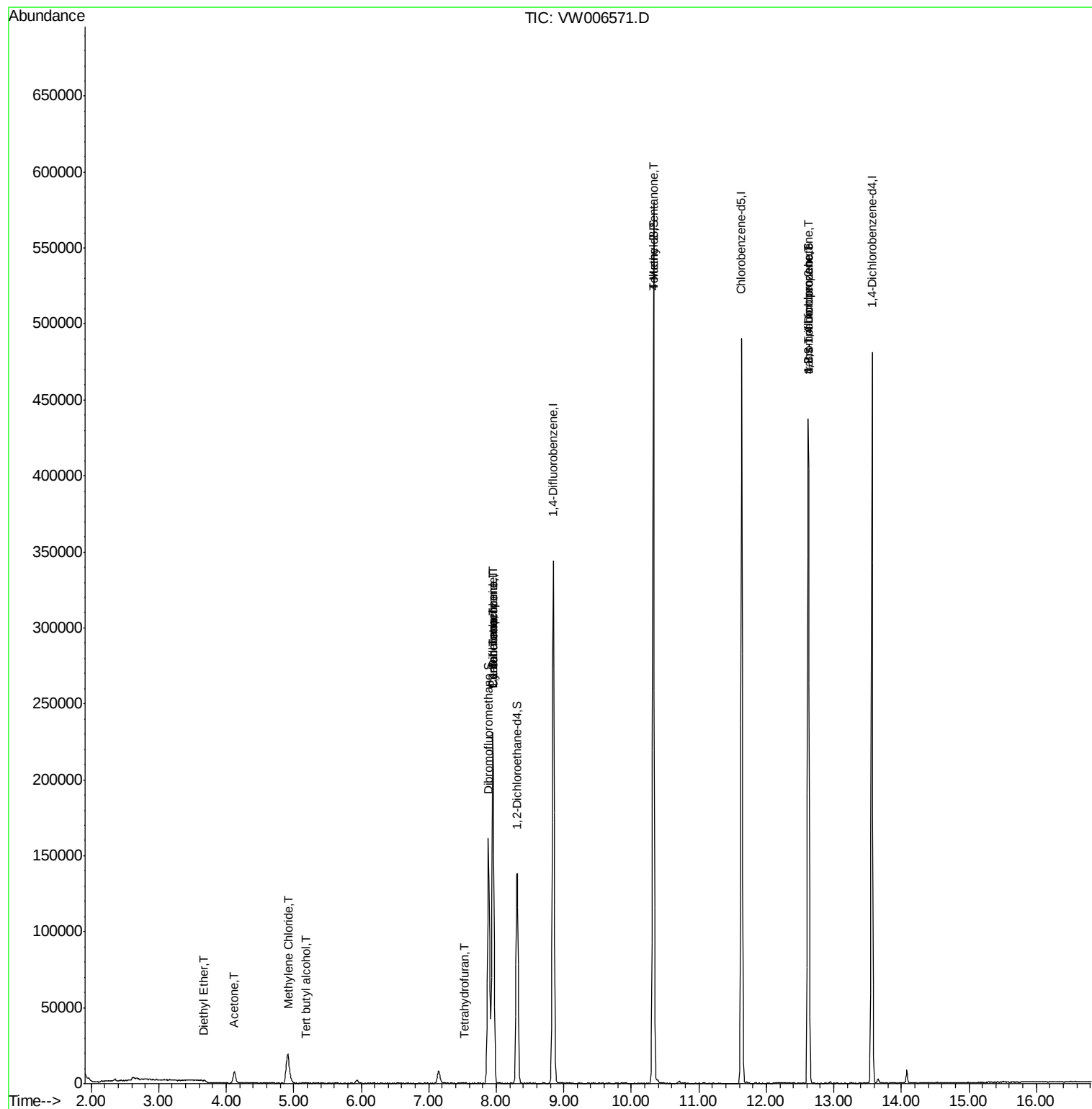
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	848	1.038	ug/l	82
11) Tert butyl alcohol	5.18	59	147	1.679	ug/l #	84
16) Acetone	4.12	43	12935	49.305	ug/l	94
20) Methylene Chloride	4.92	84	17525	4.922	ug/l	96
29) Tetrahydrofuran	7.54	42	238	1.011	ug/l #	35
31) Cyclohexane	7.95	56	3151	1.217	ug/l #	26
36) 1,1-Dichloropropene	7.95	75	11817	4.303	ug/l #	48
38) Carbon Tetrachloride	7.95	117	16224	5.654	ug/l #	16
51) 4-Methyl-2-Pentanone	10.33	43	1604	1.645	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	65613	61.460	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	65613	153.355	ug/l #	11

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006571.D

Acq: 01 Nov 2018 20:25

Instrument :

MSVOA_W

ClientSampleId :

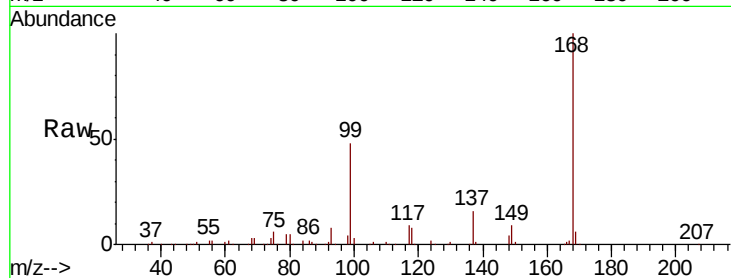
SI-3

Tgt Ion:168 Resp: 189037

Ion Ratio Lower Upper

168 100

99 47.7 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

40000

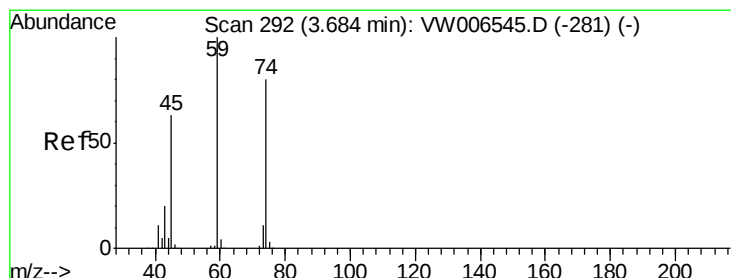
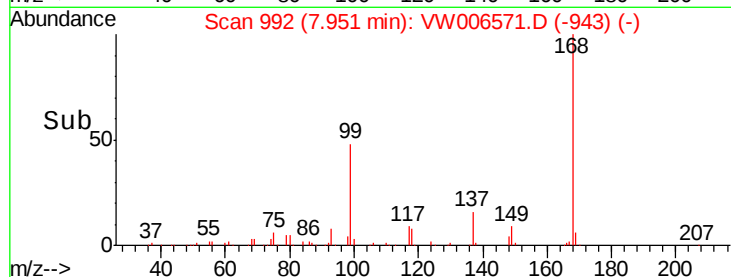
20000

0

7.90

8.00

Time-->



#8

Diethyl Ether

Concen: 1.038 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW006571.D

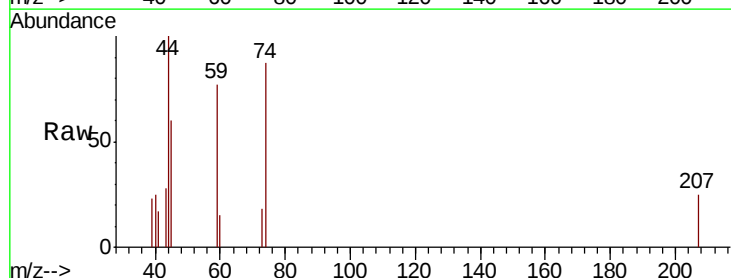
Acq: 01 Nov 2018 20:25

Tgt Ion: 74 Resp: 848

Ion Ratio Lower Upper

74 100

45 98.8 41.1 123.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

400

300

200

100

0

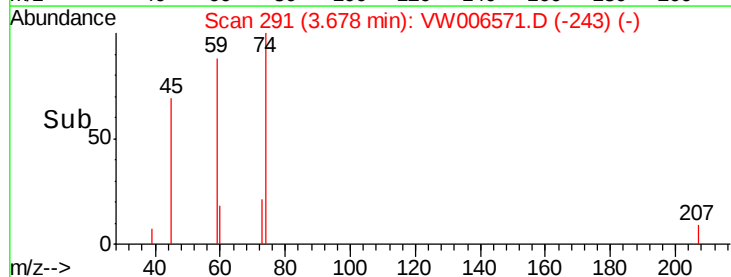
3.60

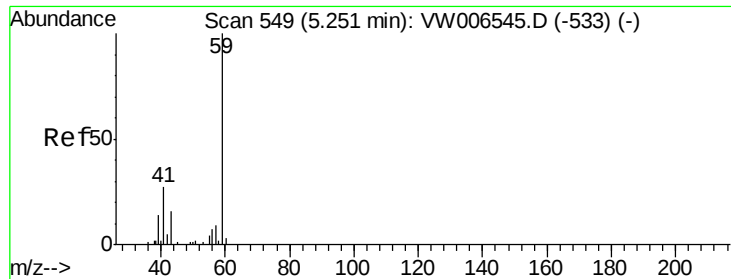
3.65

3.70

3.75

Time-->

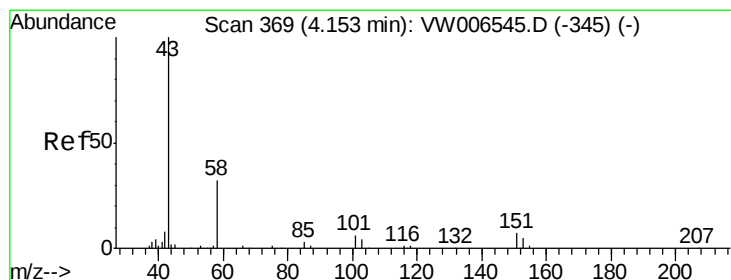
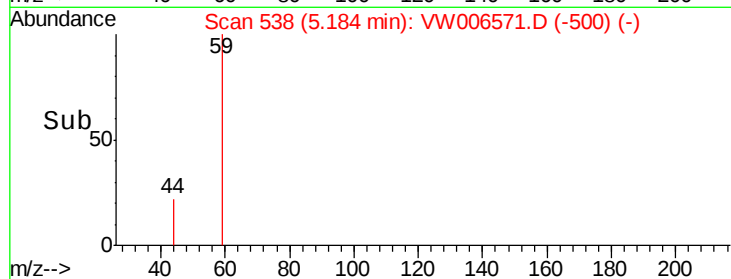
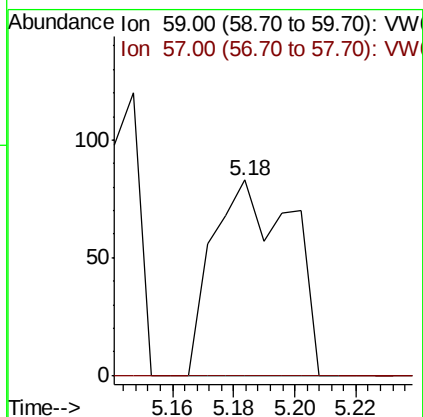
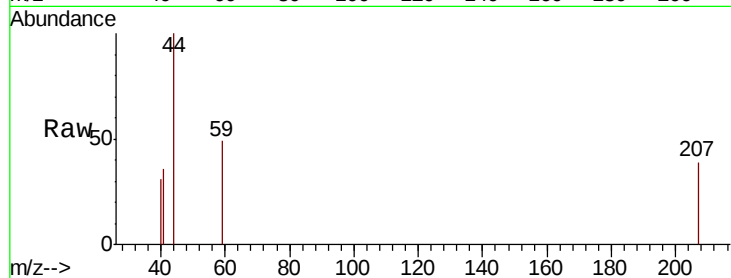




#11
Tert butyl alcohol
Concen: 1.679 ug/l
RT: 5.18 min Scan# 538
Delta R.T. -0.07 min
Lab File: VW006571.D
Acq: 01 Nov 2018 20:25

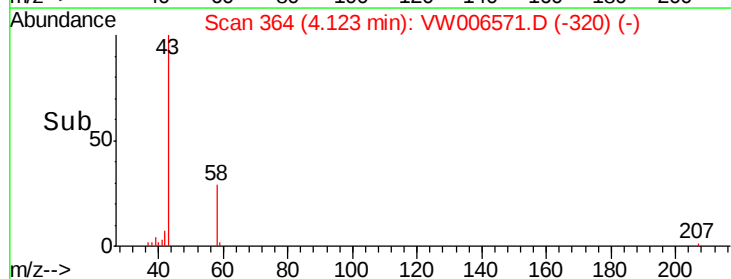
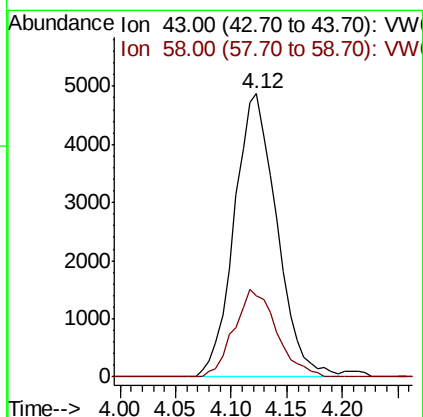
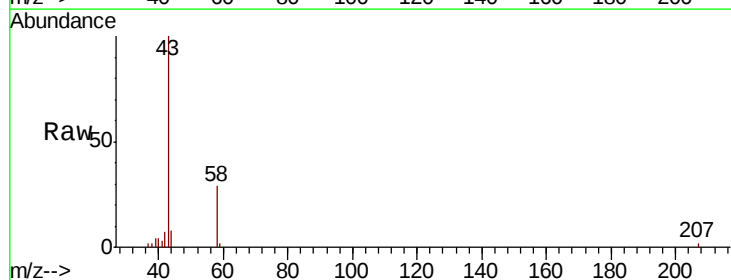
Instrument :
MSVOA_W
ClientSampleId :
SI-3

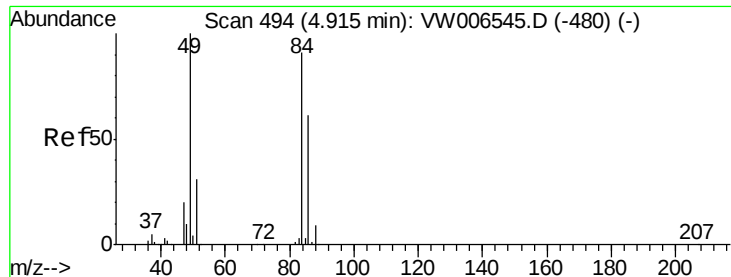
Tgt Ion: 59 Resp: 147
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#



#16
Acetone
Concen: 49.305 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.03 min
Lab File: VW006571.D
Acq: 01 Nov 2018 20:25

Tgt Ion: 43 Resp: 12935
Ion Ratio Lower Upper
43 100
58 28.9 25.8 38.8





#20

Methylene Chloride

Concen: 4.922 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006571.D

Acq: 01 Nov 2018 20:25

Instrument :

MSVOA_W

ClientSampleId :

SI-3

Tgt Ion: 84 Resp: 17525

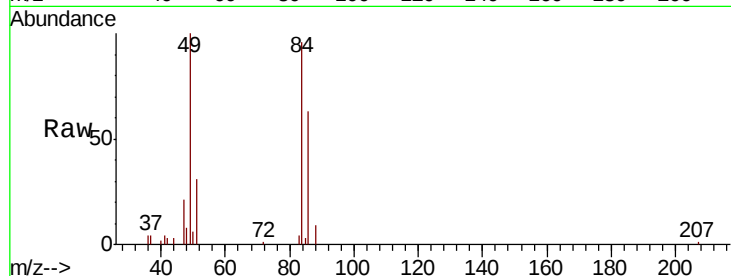
Ion Ratio Lower Upper

84 100

49 104.3 88.2 132.4

51 32.3 27.0 40.6

86 65.6 53.8 80.8



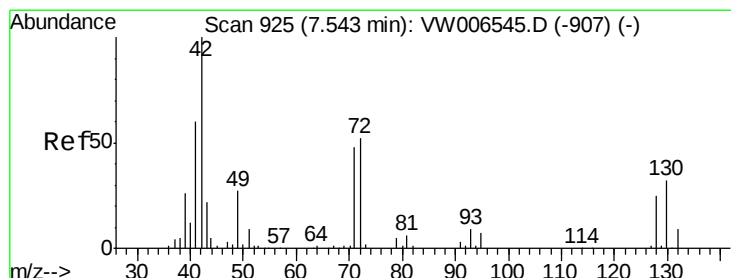
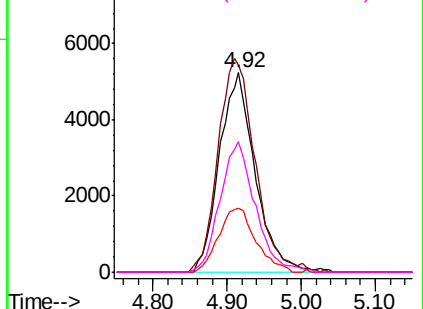
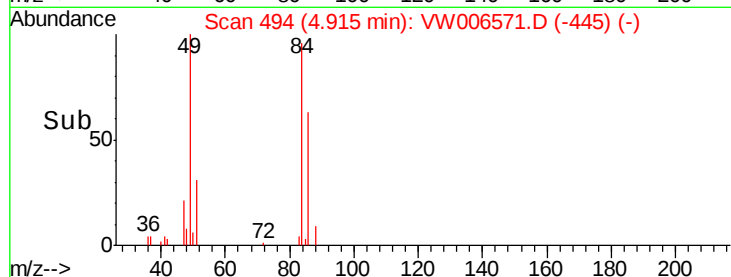
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#29

Tetrahydrofuran

Concen: 1.011 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006571.D

Acq: 01 Nov 2018 20:25

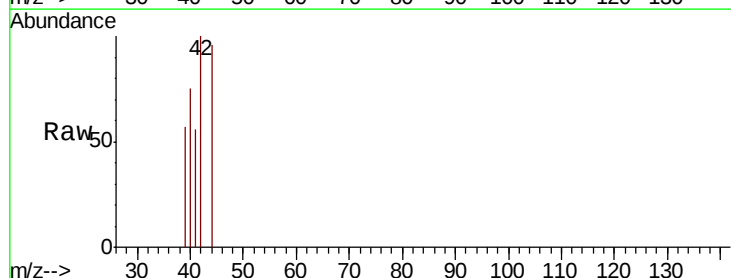
Tgt Ion: 42 Resp: 238

Ion Ratio Lower Upper

42 100

72 0.0 39.2 58.8#

71 8.4 37.6 56.4#

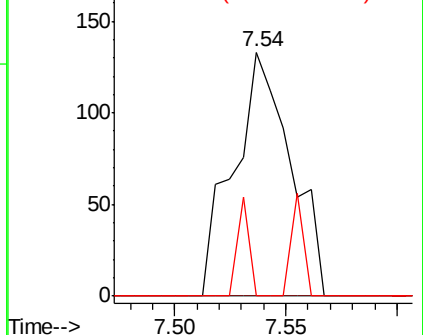
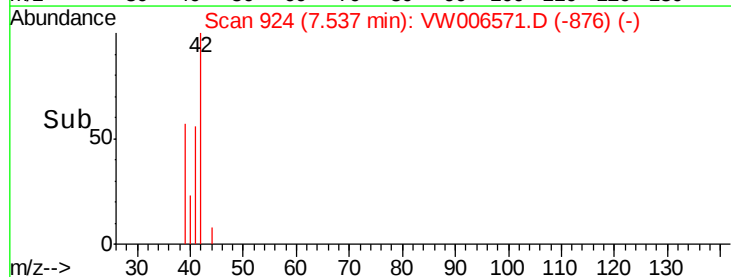


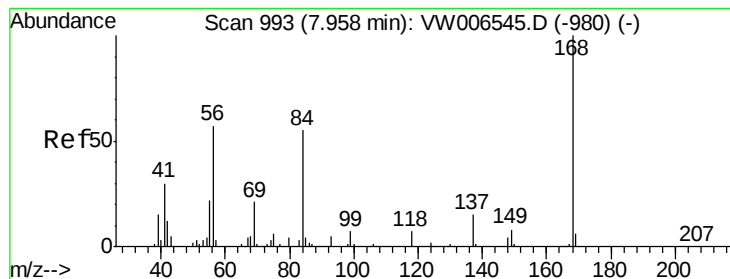
Abundance

Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.217 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW006571.D

Acq: 01 Nov 2018 20:25

Instrument :

MSVOA_W

ClientSampled :

SI-3

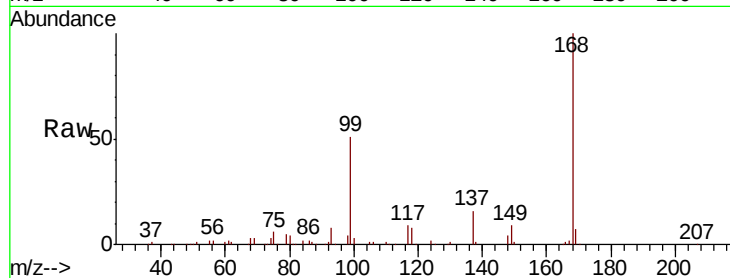
Tgt Ion: 56 Resp: 3151

Ion Ratio Lower Upper

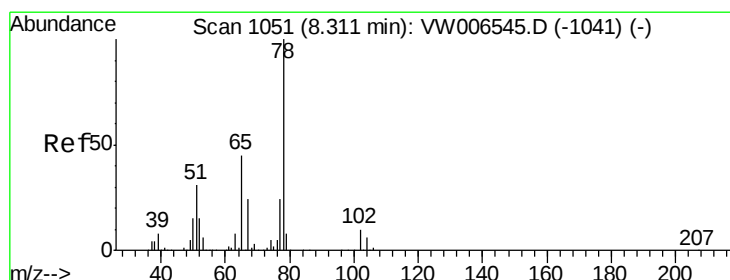
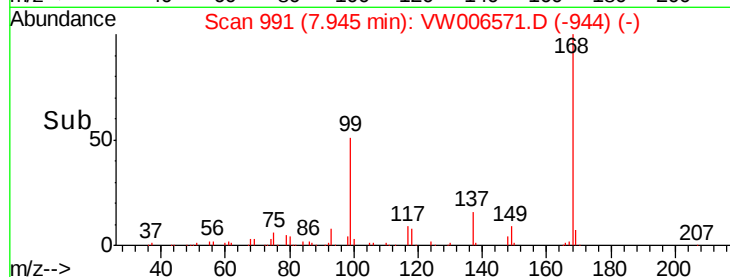
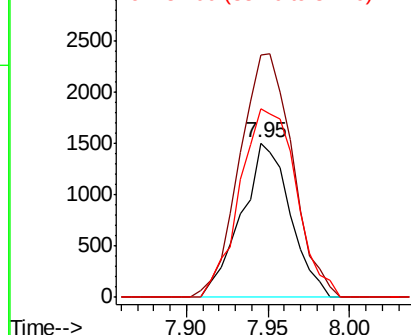
56 100

69 156.6 29.0 43.4#

84 122.3 77.8 116.6#



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



#33

1,2-Dichloroethane-d4

Concen: 68.313 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006571.D

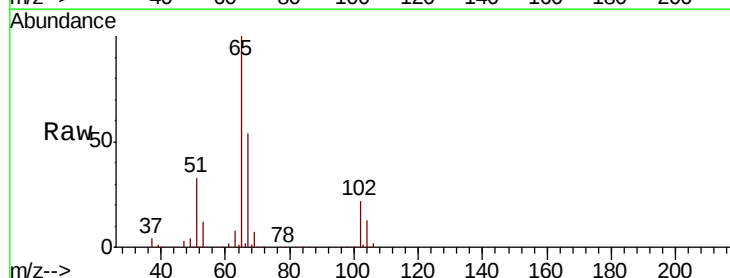
Acq: 01 Nov 2018 20:25

Tgt Ion: 65 Resp: 111006

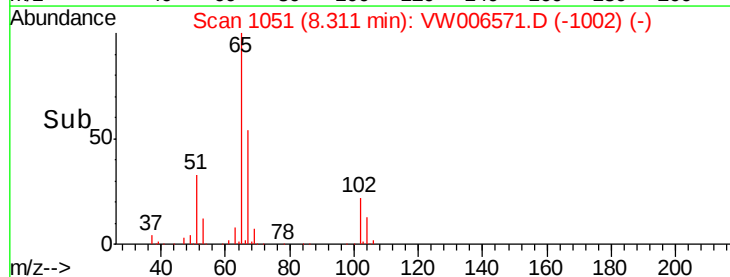
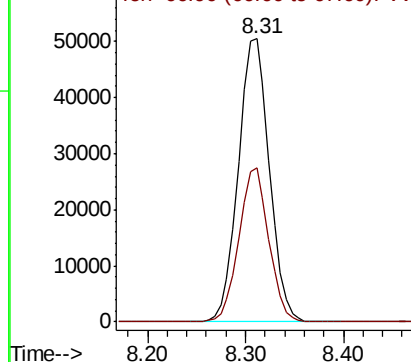
Ion Ratio Lower Upper

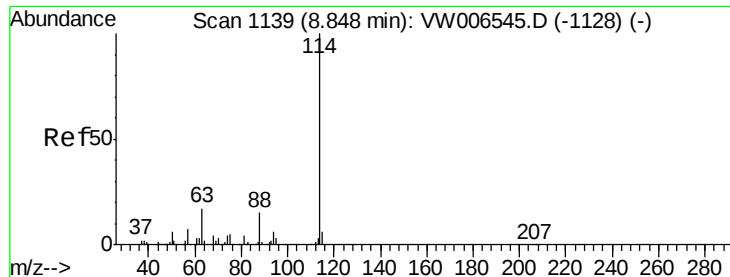
65 100

67 52.4 0.0 104.4



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

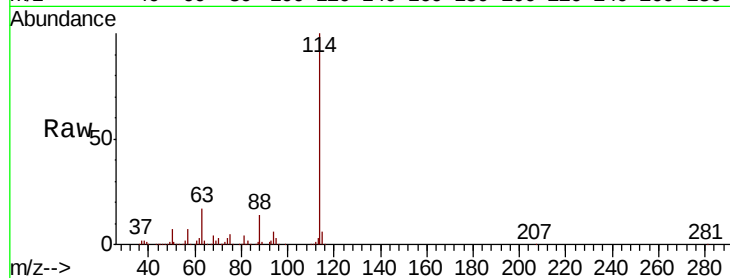




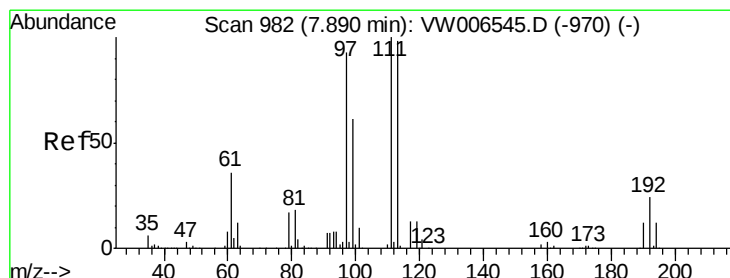
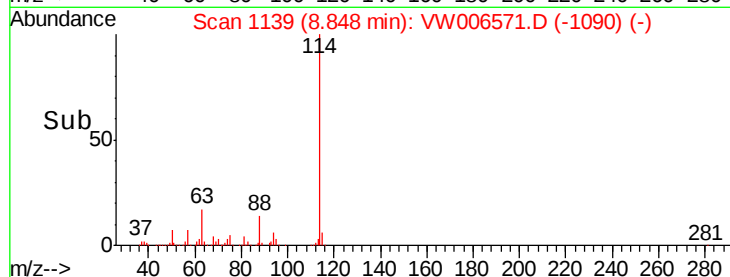
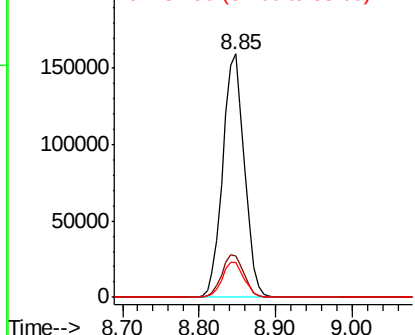
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006571.D
 Acq: 01 Nov 2018 20:25

Instrument :
 MSVOA_W
 ClientSampleId :
 SI-3

Tgt Ion:114 Resp: 312256
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 34.4
 88 14.3 0.0 29.0

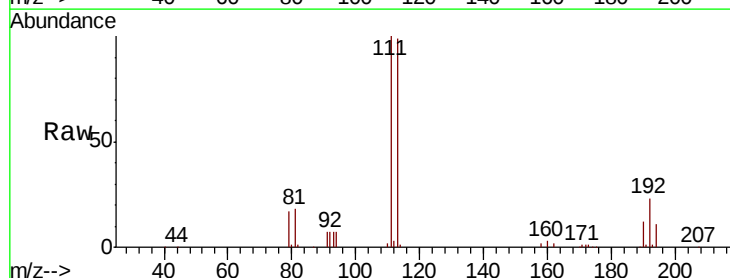


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

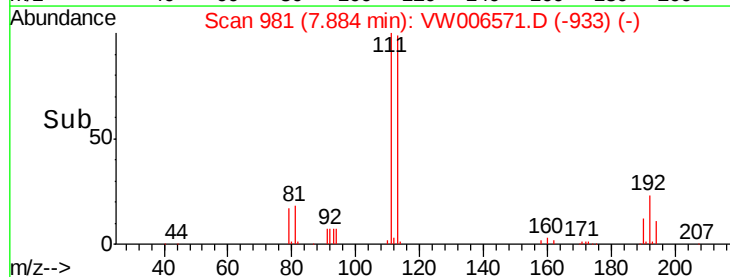
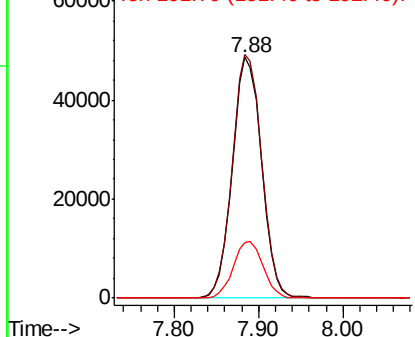


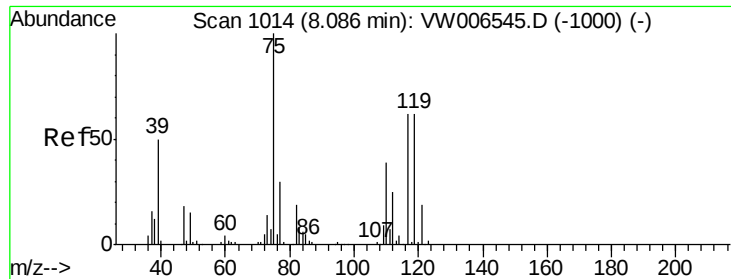
#35
 Dibromofluoromethane
 Concen: 57.943 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006571.D
 Acq: 01 Nov 2018 20:25

Tgt Ion:113 Resp: 113549
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.2 123.2
 192 23.9 19.0 28.6



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

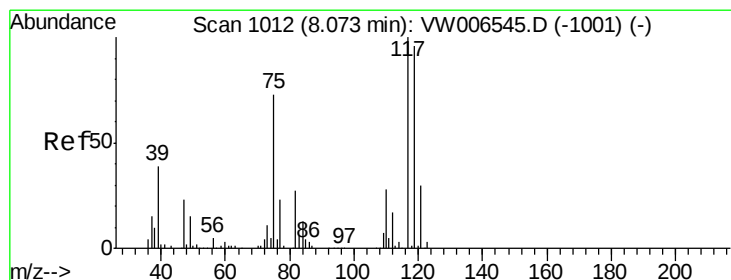
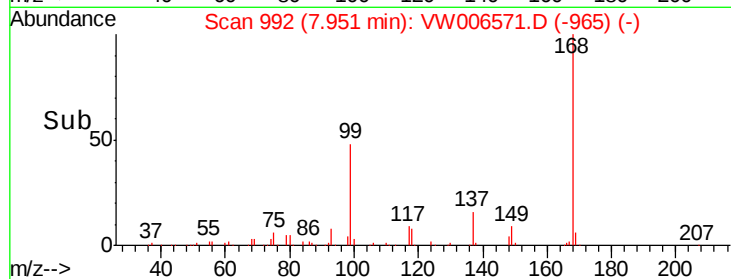
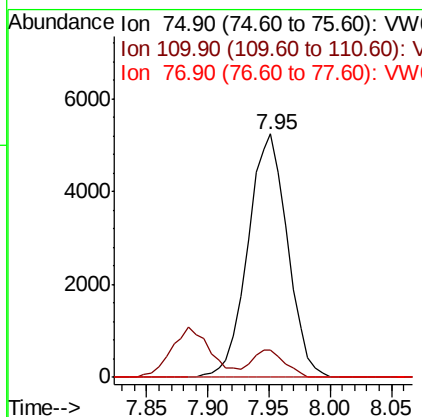
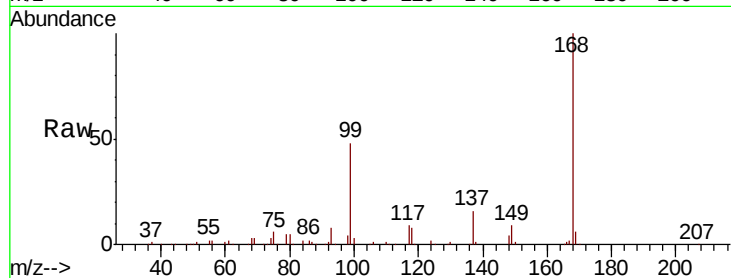




#36
 1,1-Dichloropropene
 Concen: 4.303 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006571.D
 Acq: 01 Nov 2018 20:25

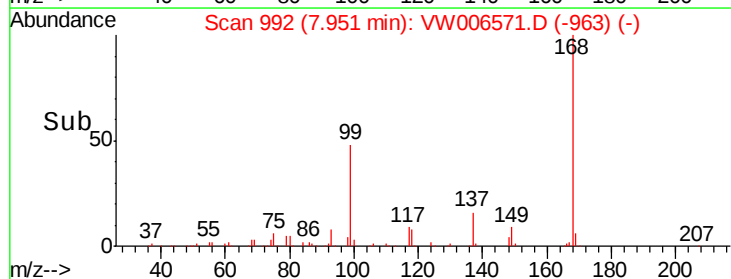
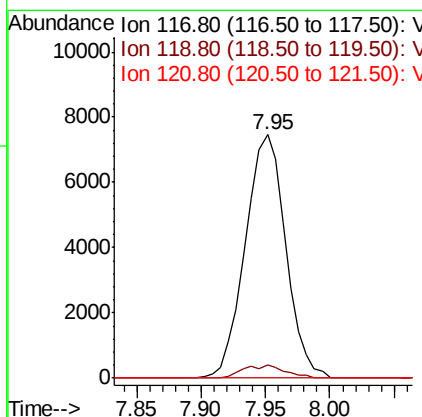
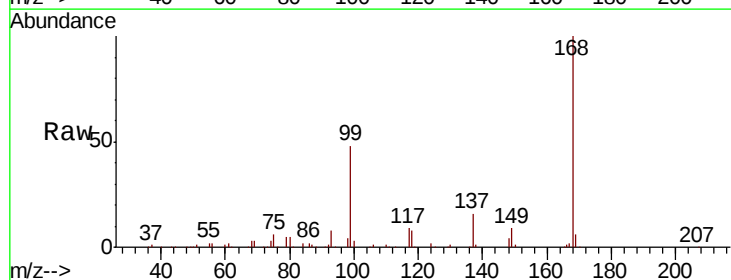
Instrument :
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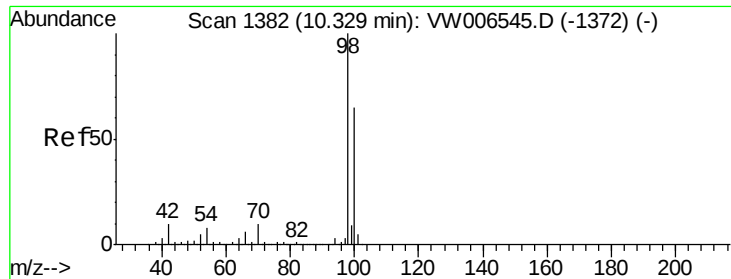
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	19.5	58.5#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.654 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW006571.D
 Acq: 01 Nov 2018 20:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.3	114.5#
121	0.0	24.1	36.1#

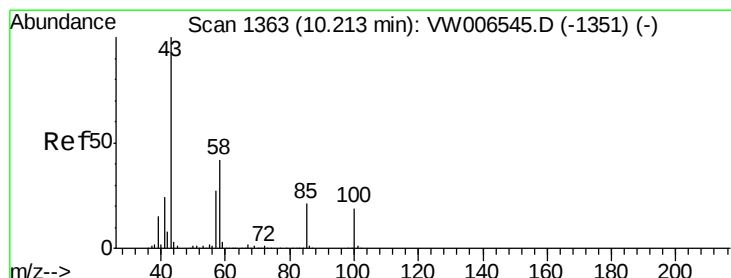
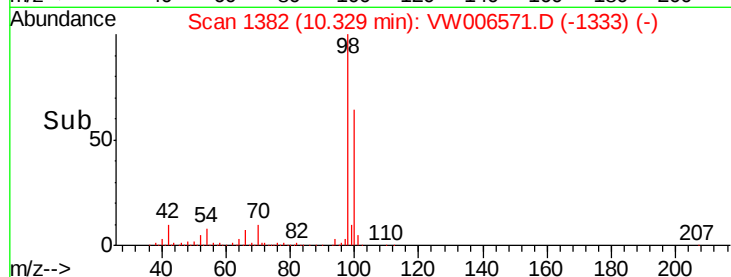
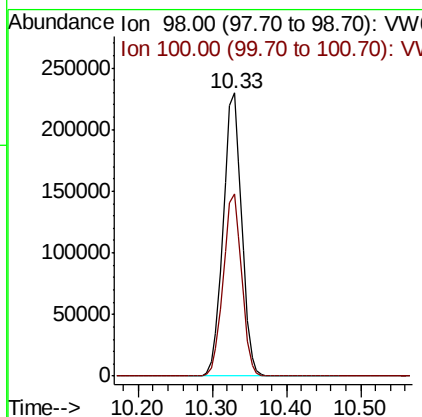
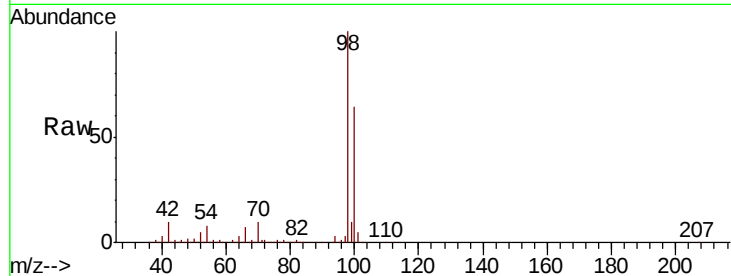




#50
Toluene-d8
Concen: 53.158 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006571.D
Acq: 01 Nov 2018 20:25

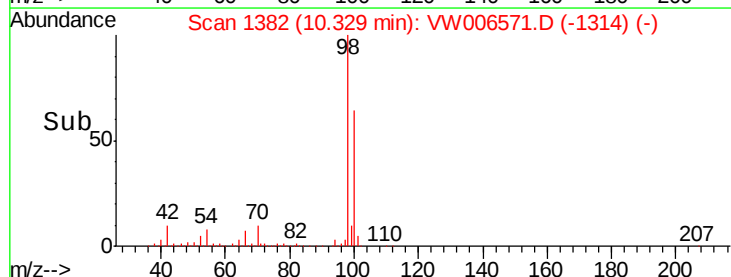
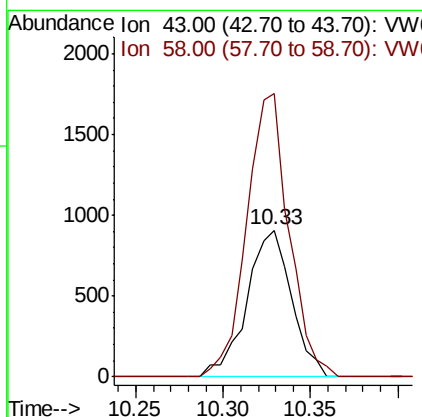
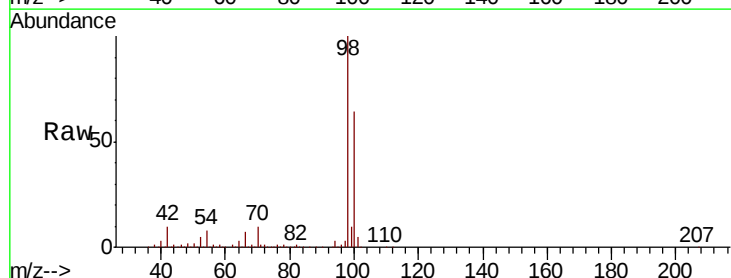
Instrument :
MSVOA_W
ClientSampled :
SI-3

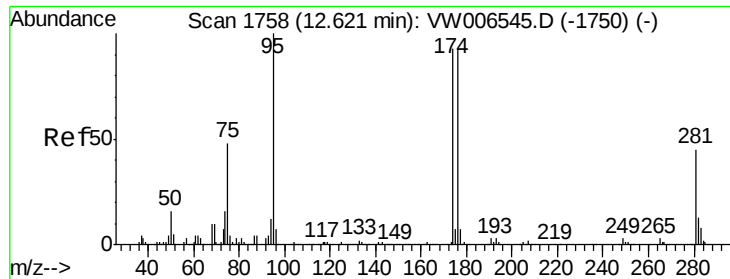
Tgt Ion: 98 Resp: 396558
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.645 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.12 min
Lab File: VW006571.D
Acq: 01 Nov 2018 20:25

Tgt Ion: 43 Resp: 1604
Ion Ratio Lower Upper
43 100
58 183.2 33.4 50.0#

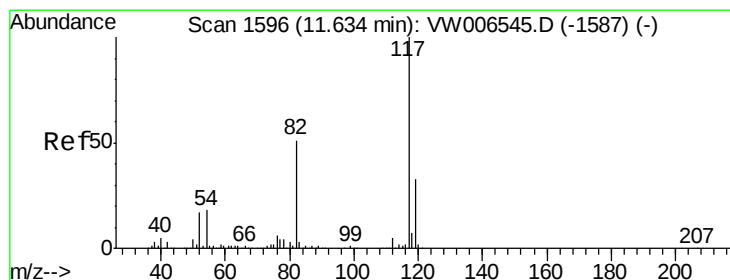
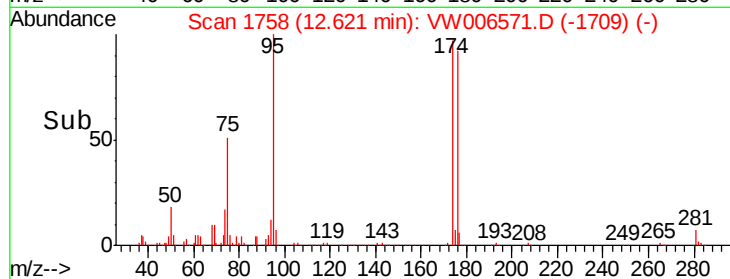
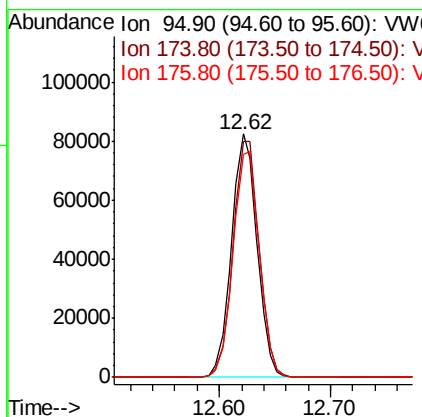
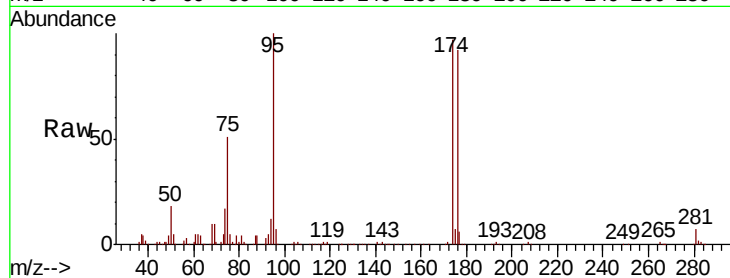




#62
4-Bromofluorobenzene
Concen: 48.242 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW006571.D
Acq: 01 Nov 2018 20:25

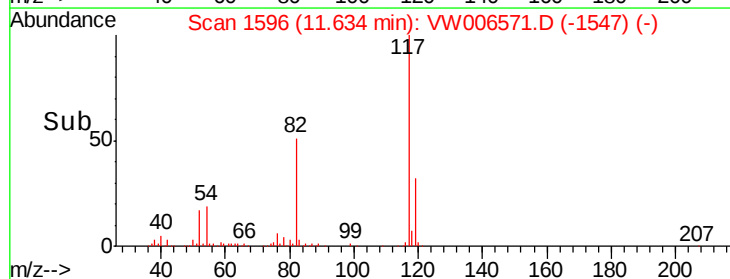
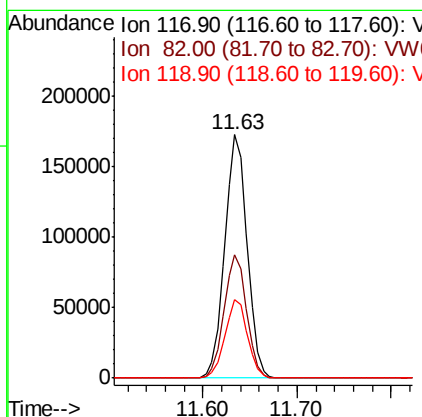
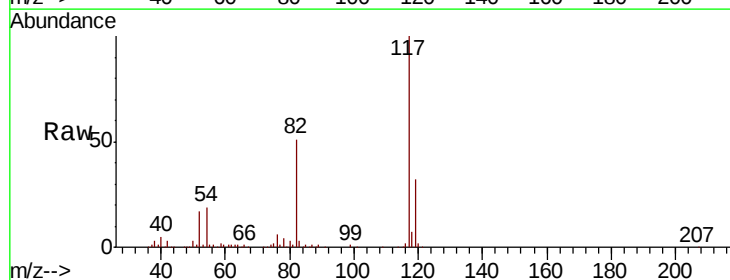
Instrument :
MSVOA_W
ClientSampled :
SI-3

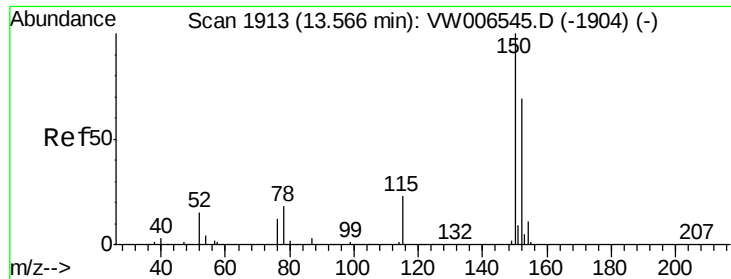
Tgt Ion: 95 Resp: 130473
Ion Ratio Lower Upper
95 100
174 99.6 0.0 192.4
176 96.0 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006571.D
Acq: 01 Nov 2018 20:25

Tgt Ion: 117 Resp: 283631
Ion Ratio Lower Upper
117 100
82 50.7 40.8 61.2
119 32.3 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006571.D

Acq: 01 Nov 2018 20:25

Instrument :

MSVOA_W

ClientSampleId :

SI-3

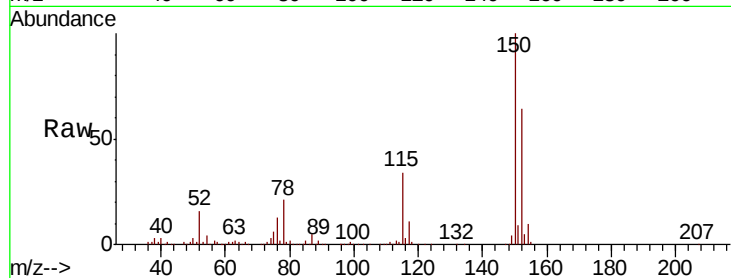
Tgt Ion:152 Resp: 136828

Ion Ratio Lower Upper

152 100

115 53.8 26.6 79.8

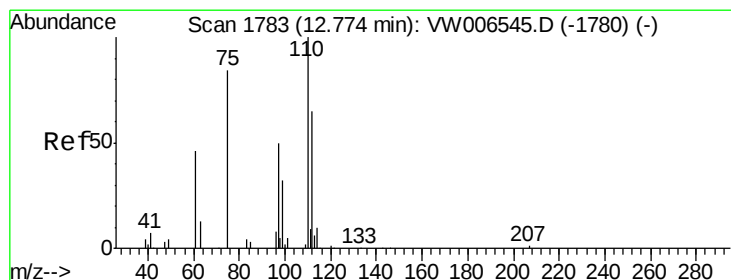
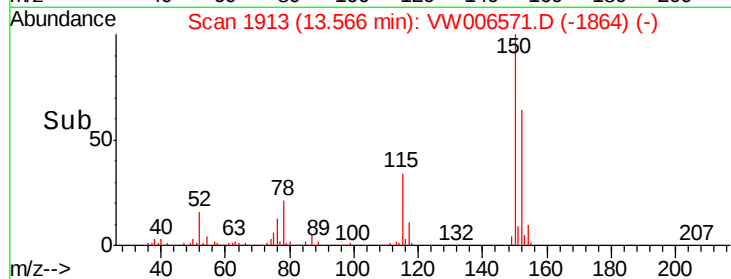
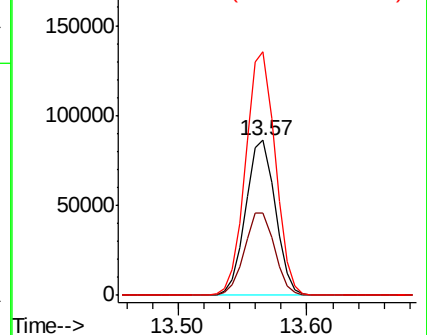
150 156.6 0.0 344.6



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: 61.460 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006571.D

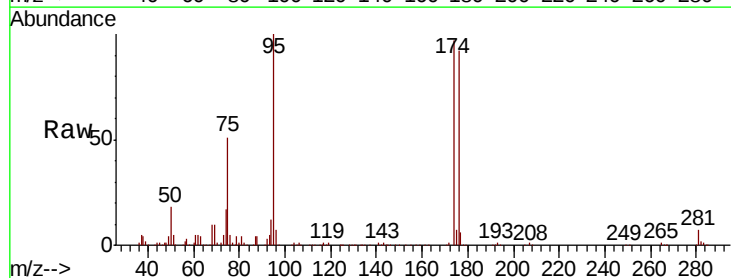
Acq: 01 Nov 2018 20:25

Tgt Ion: 75 Resp: 65613

Ion Ratio Lower Upper

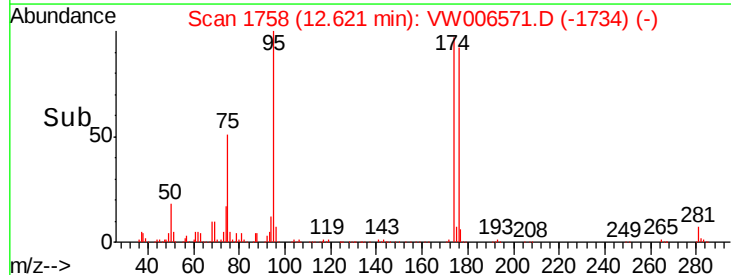
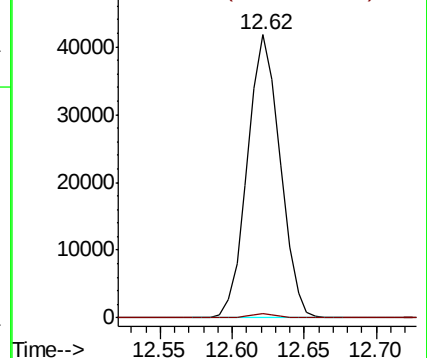
75 100

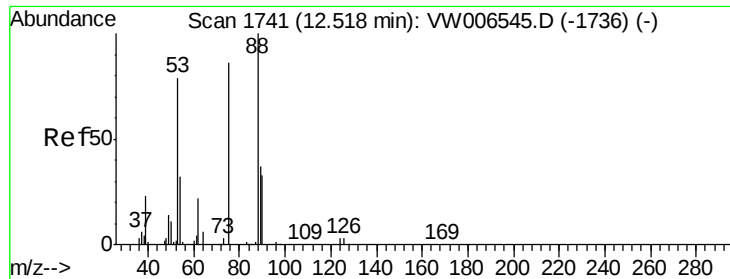
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 153.355 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006571.D

Acq: 01 Nov 2018 20:25

Instrument :

MSVOA_W

ClientSampleId :

SI-3

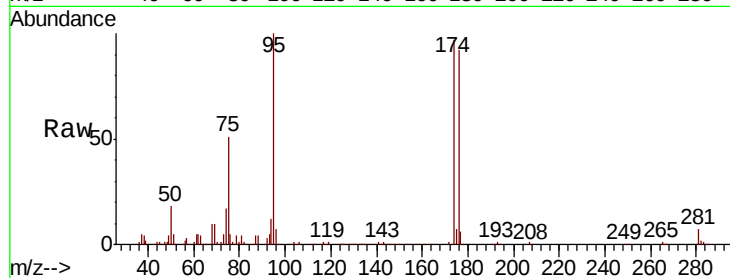
Tgt Ion: 75 Resp: 65613

Ion Ratio Lower Upper

75 100

53 0.0 77.2 115.8#

89 0.0 38.6 58.0#



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

