

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011419\
 Data File : VW008269.D
 Acq On : 15 Jan 2019 03:10
 Operator : SY/VA
 Sample : K1139-11RE
 Misc : 5.08G/5ML/MSVOA_W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S-6RE

Quant Time: Jan 15 11:01:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	76186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	141110	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	114442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	33754	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	47298	55.24	ug/l	0.00
Spiked Amount			Recovery	=	110.48%	
35) Dibromofluoromethane	7.88	113	45494	55.28	ug/l	0.00
Spiked Amount			Recovery	=	110.56%	
50) Toluene-d8	10.32	98	178331	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.62	95	43148	34.85	ug/l	0.00
Spiked Amount			Recovery	=	69.70%	

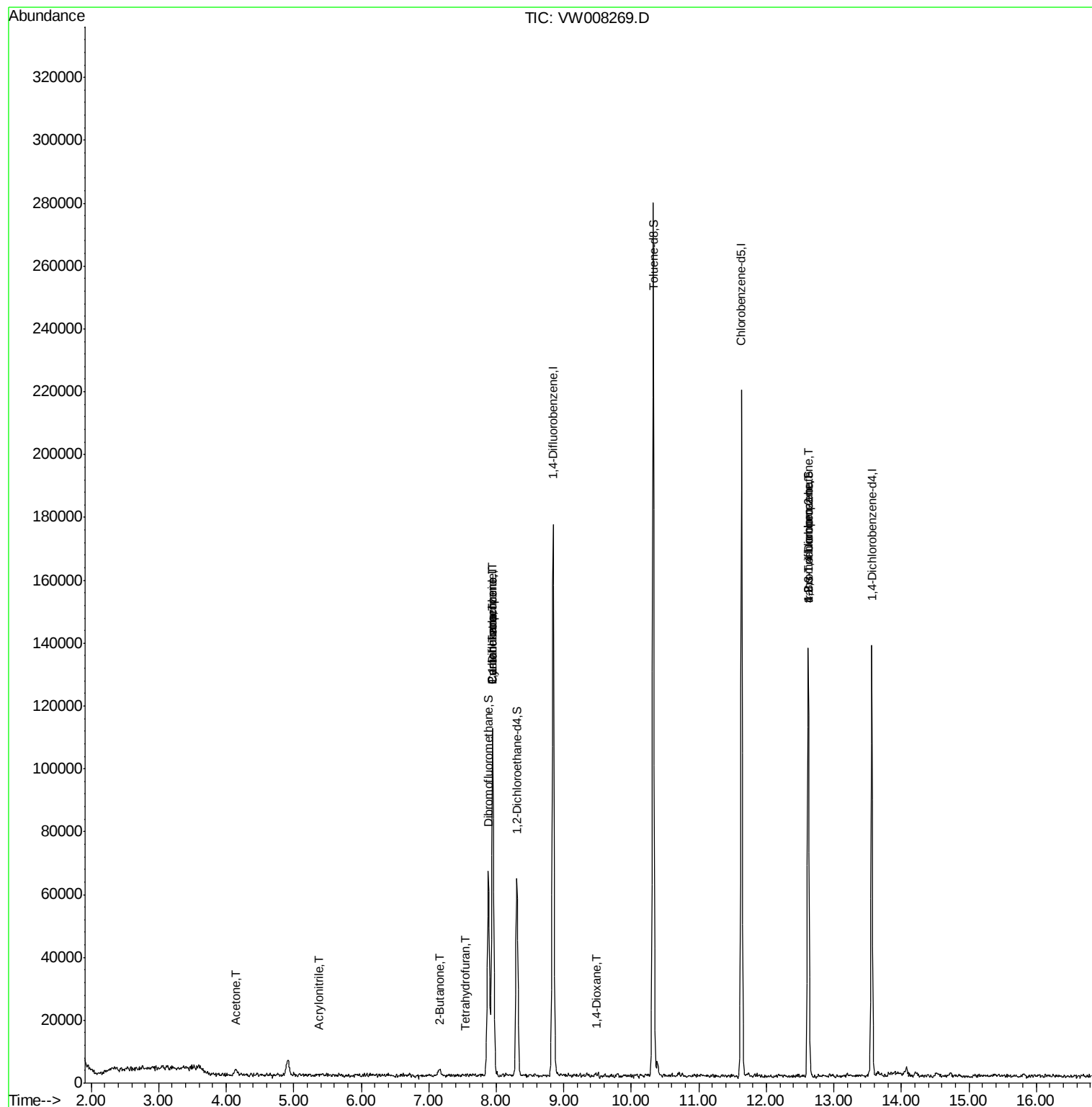
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	26	Below Cal	#	100
15) Acrylonitrile	5.38	53	199	1.080	ug/l #	35
16) Acetone	4.14	43	3607	2.496	ug/l #	87
20) Methylene Chloride	4.92	84	3628	Below Cal	#	75
25) 2-Butanone	7.17	43	289	1.213	ug/l #	49
29) Tetrahydrofuran	7.53	42	217	1.364	ug/l #	61
31) Cyclohexane	7.94	56	2122	1.178	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	6832	4.700	ug/l #	55
38) Carbon Tetrachloride	7.95	117	8151	6.127	ug/l #	17
49) 1,4-Dioxane	9.48	88	90	11.657	ug/l #	80
76) 1,2,3-Trichloropropane	12.62	75	22222	72.219	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	22222	168.175	ug/l #	11

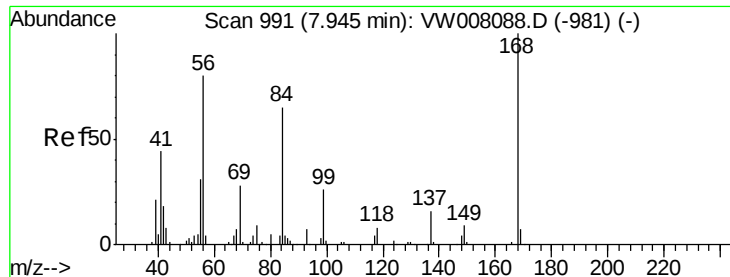
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW011419\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008269.D

Acq: 15 Jan 2019 03:10

Instrument :

MSVOA_W

ClientSampled :

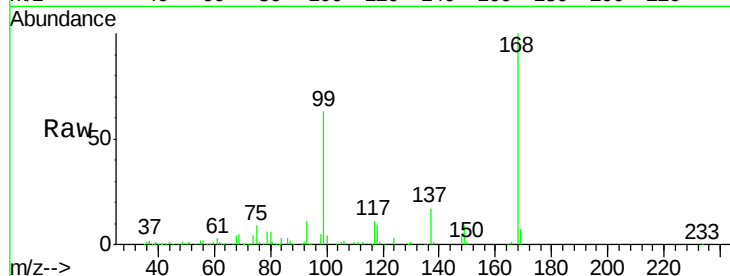
S-6RE

Tgt Ion:168 Resp: 76186

Ion Ratio Lower Upper

168 100

99 62.9 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

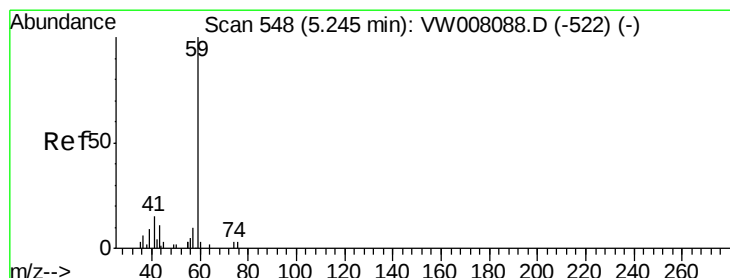
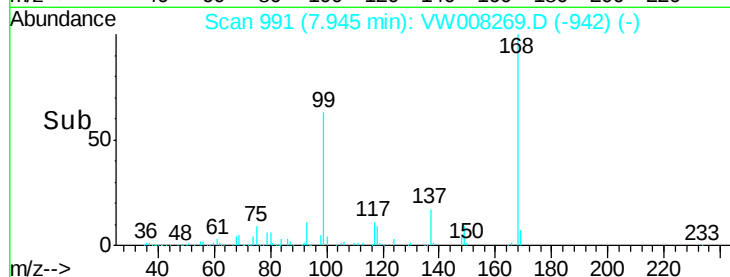
20000

10000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 546

Delta R.T. -0.01 min

Lab File: VW008269.D

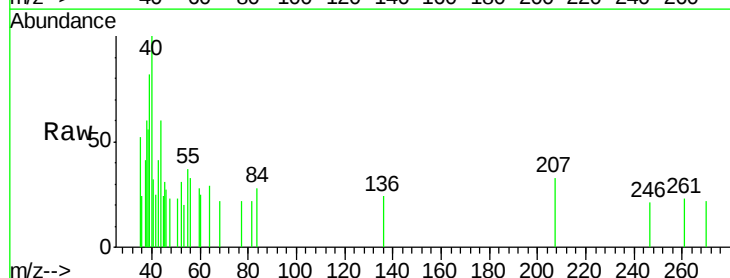
Acq: 15 Jan 2019 03:10

Tgt Ion: 59 Resp: 26

Ion Ratio Lower Upper

59 100

57 165.4 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.23

80

60

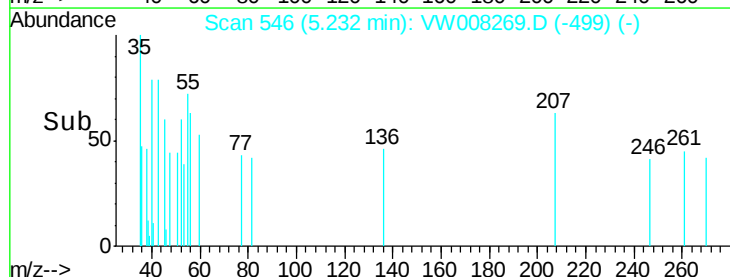
40

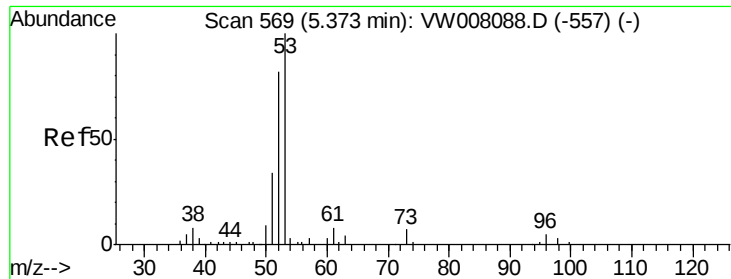
20

0

5.22 5.23 5.24 5.24

Time-->





#15

Acrylonitrile

Concen: 1.080 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW008269.D

Acq: 15 Jan 2019 03:10

Instrument :

MSVOA_W

ClientSampleId :

S-6RE

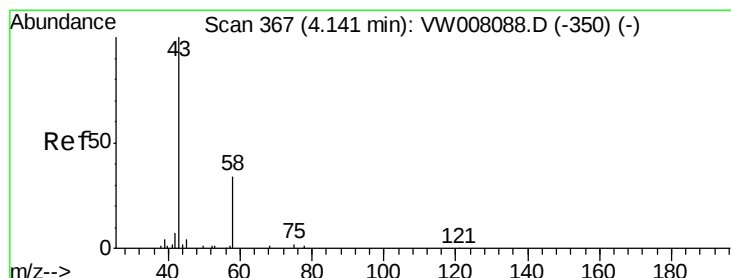
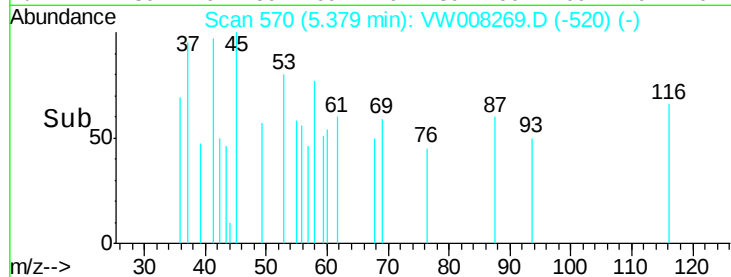
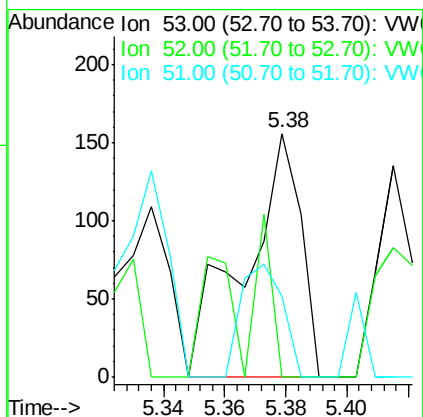
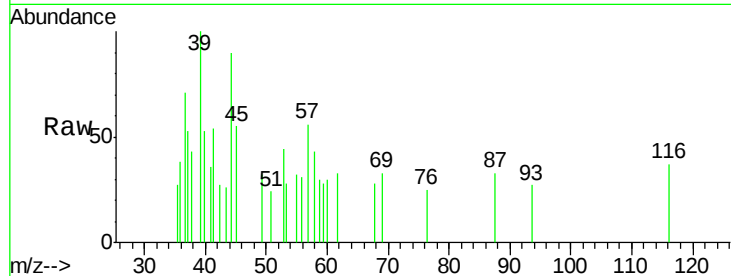
Tgt Ion: 53 Resp: 199

Ion Ratio Lower Upper

53 100

52 0.0 66.8 100.2#

51 34.2 29.7 44.5



#16

Acetone

Concen: 2.496 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW008269.D

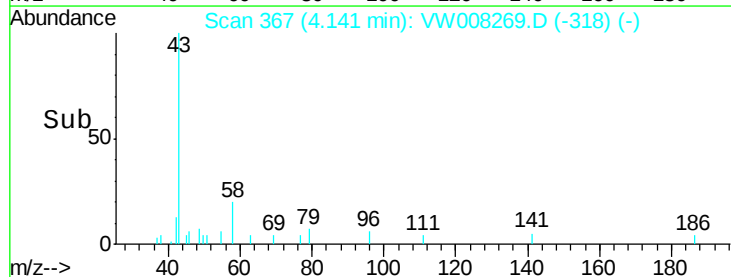
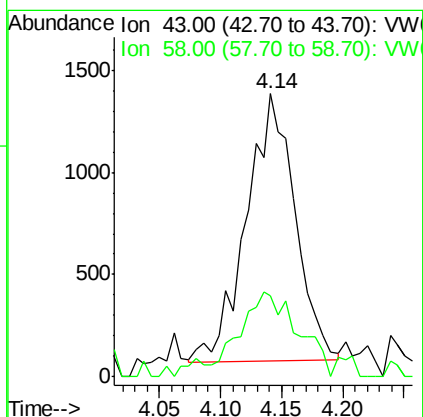
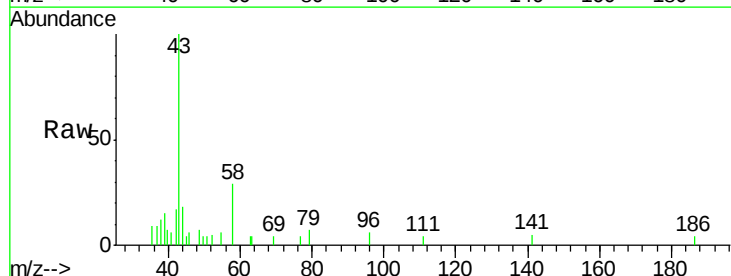
Acq: 15 Jan 2019 03:10

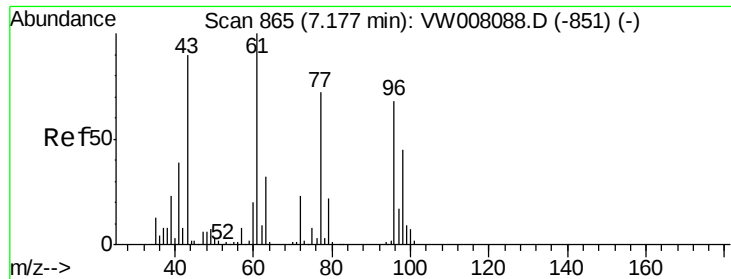
Tgt Ion: 43 Resp: 3607

Ion Ratio Lower Upper

43 100

58 26.7 27.5 41.3#





#25

2-Butanone

Concen: 1.213 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008269.D

Acq: 15 Jan 2019 03:10

Instrument :

MSVOA_W

ClientSampled :

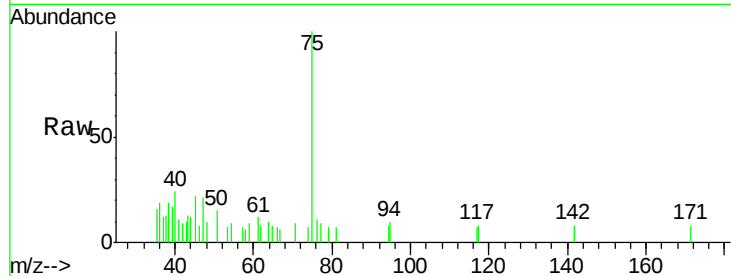
S-6RE

Tgt Ion: 43 Resp: 289

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.17

200

150

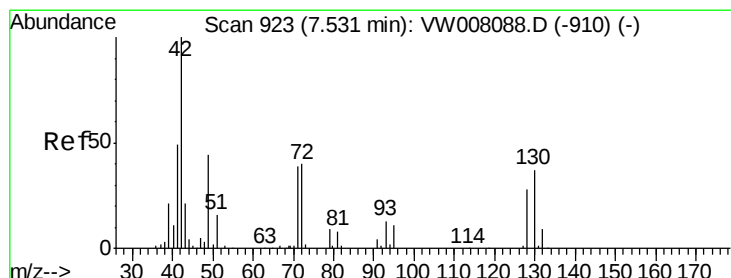
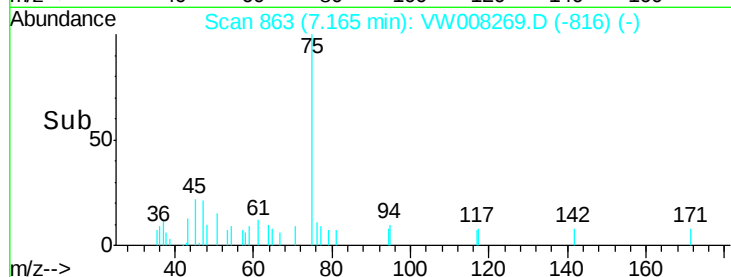
100

50

0

7.14 7.16 7.18

Time-->



#29

Tetrahydrofuran

Concen: 1.364 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW008269.D

Acq: 15 Jan 2019 03:10

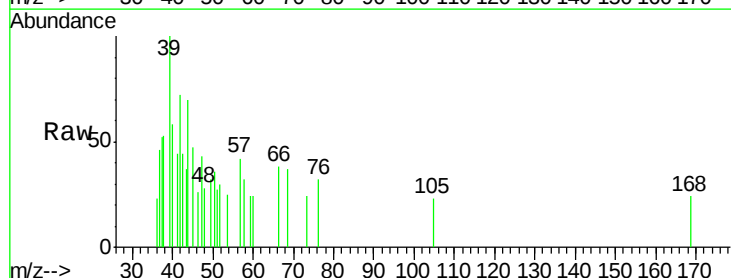
Tgt Ion: 42 Resp: 217

Ion Ratio Lower Upper

42 100

72 20.3 32.4 48.6#

71 11.1 31.3 46.9#



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

7.53

300

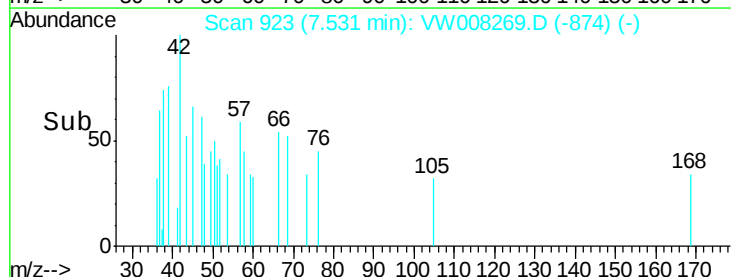
200

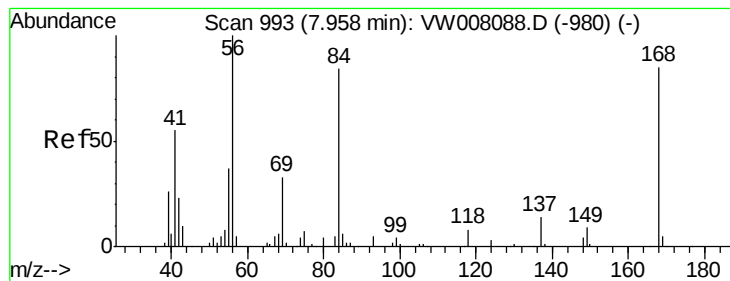
100

0

7.50 7.52 7.54

Time-->





#31

Cyclohexane

Concen: 1.178 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW008269.D

Acq: 15 Jan 2019 03:10

Instrument :

MSVOA_W

ClientSampled :

S-6RE

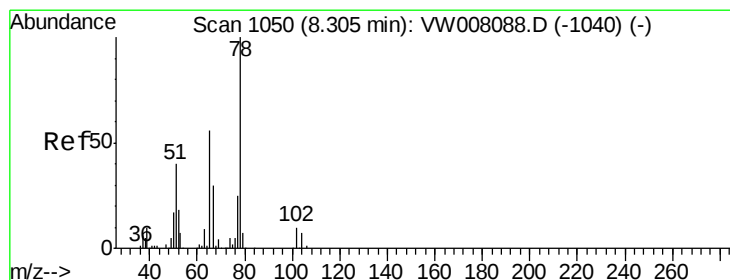
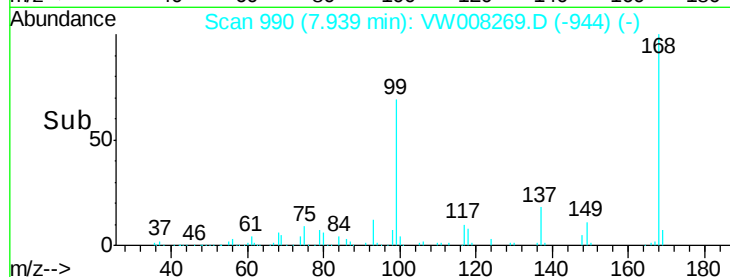
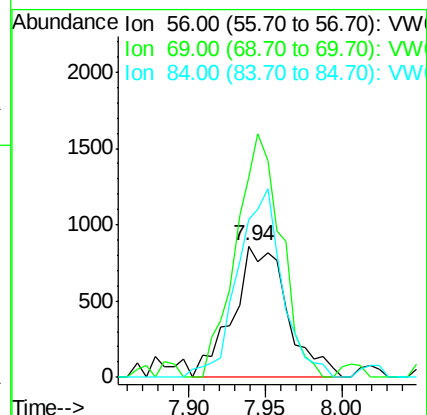
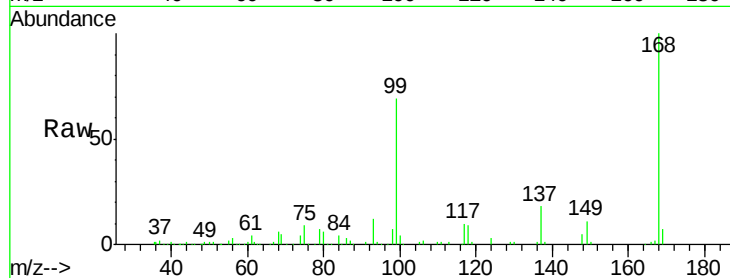
Tgt Ion: 56 Resp: 2122

Ion Ratio Lower Upper

56 100

69 152.4 26.2 39.4#

84 128.3 67.4 101.2#



#33

1,2-Dichloroethane-d4

Concen: 55.238 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008269.D

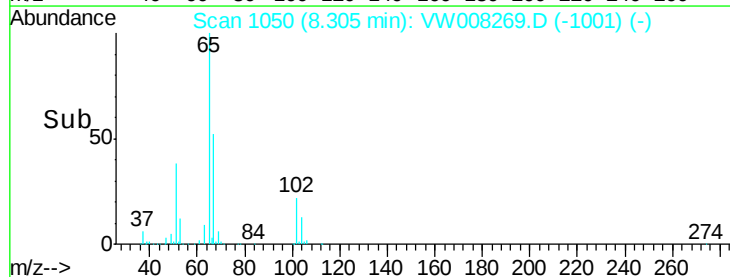
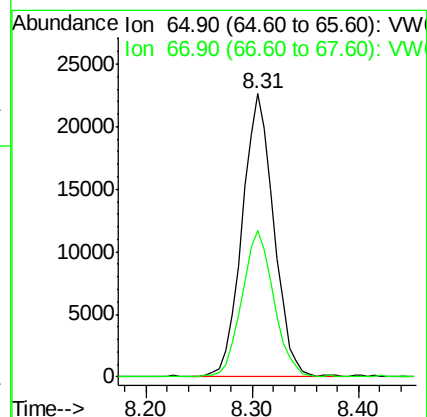
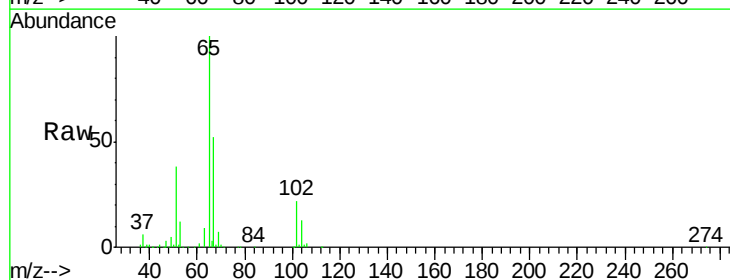
Acq: 15 Jan 2019 03:10

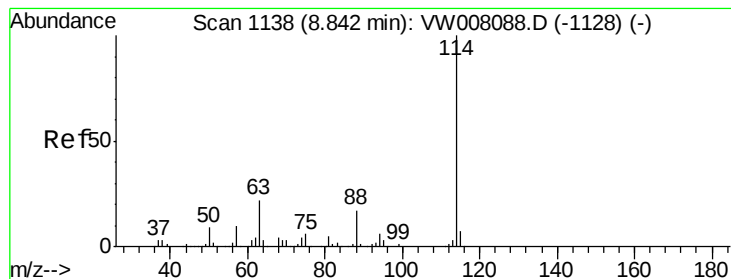
Tgt Ion: 65 Resp: 47298

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008269.D

Acq: 15 Jan 2019 03:10

Instrument :

MSVOA_W

ClientSampleId :

S-6RE

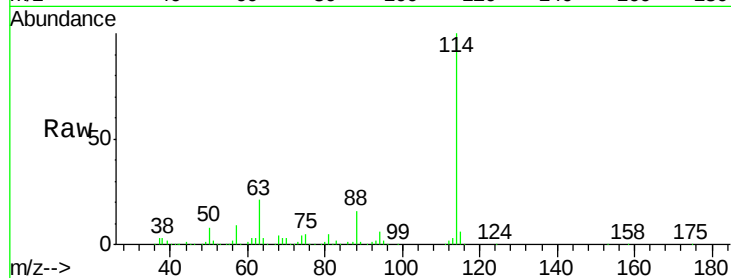
Tgt Ion:114 Resp: 141110

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.4

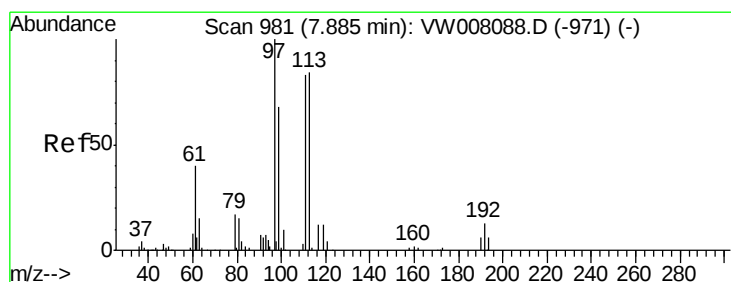
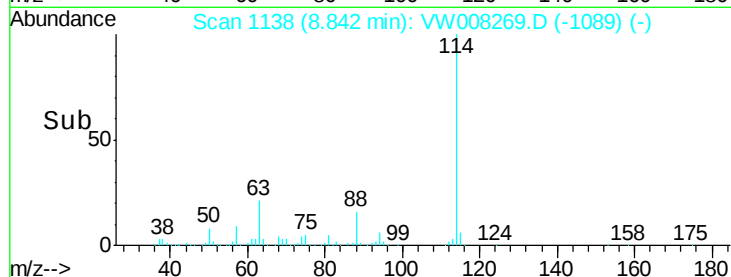
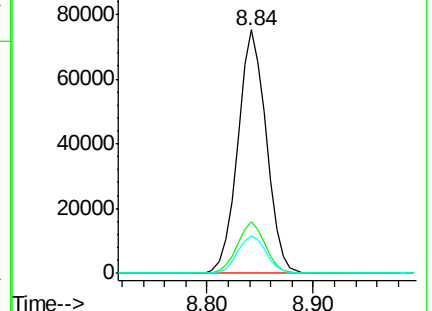
88 15.7 0.0 33.4



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: 55.278 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008269.D

Acq: 15 Jan 2019 03:10

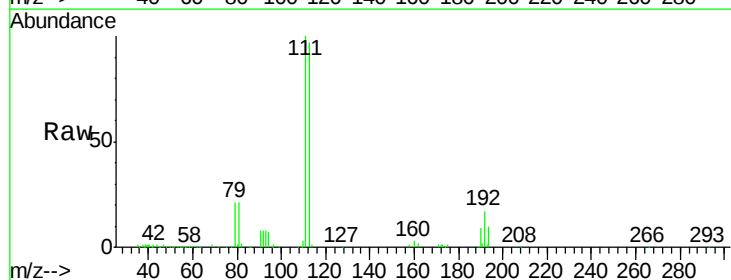
Tgt Ion:113 Resp: 45494

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.8

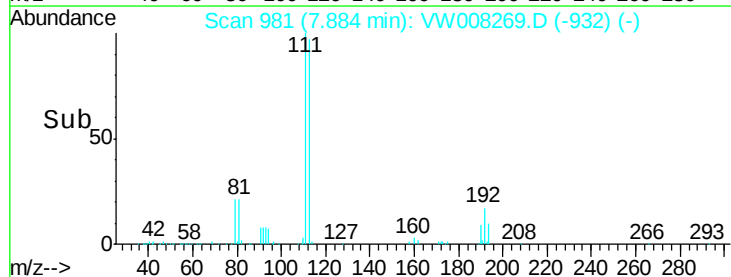
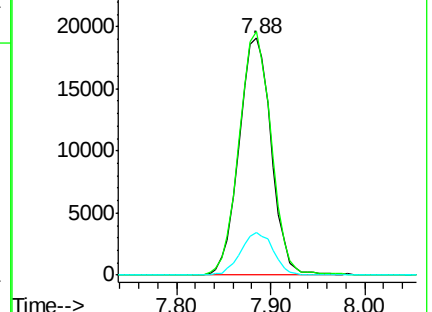
192 18.3 12.8 19.2

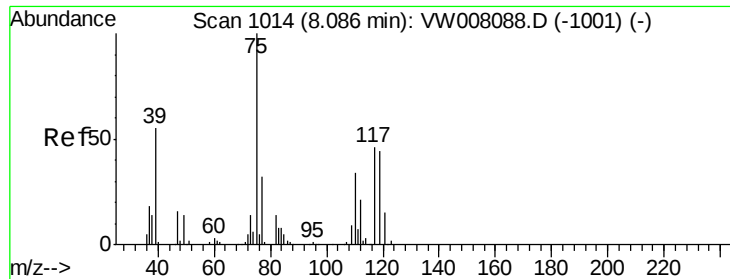


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

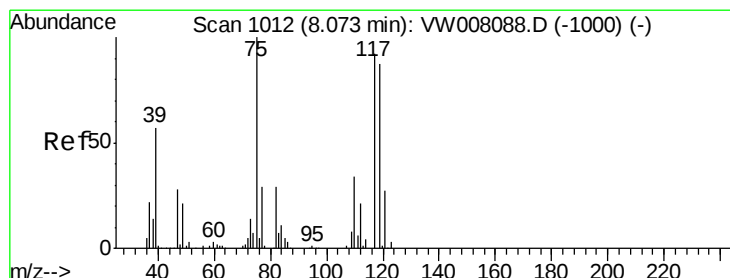
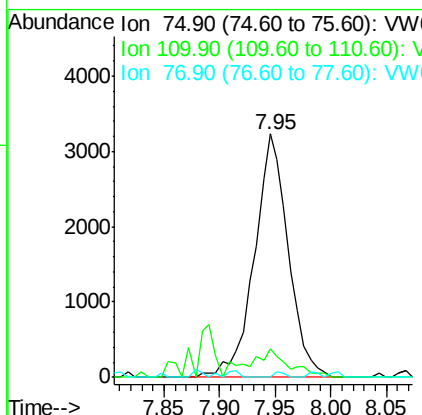
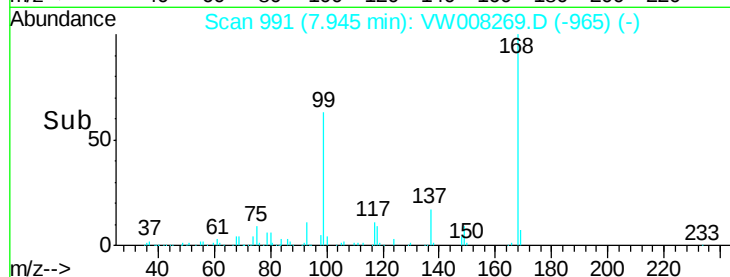
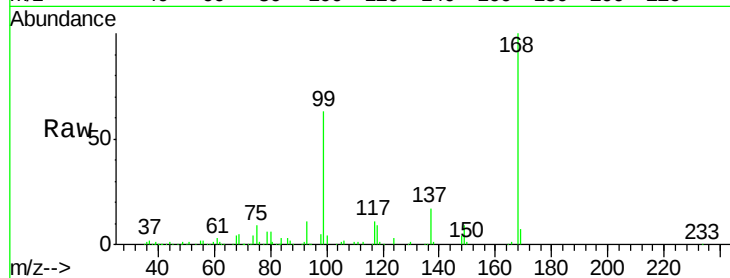




#36
 1,1-Dichloropropene
 Concen: 4.700 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008269.D
 Acq: 15 Jan 2019 03:10

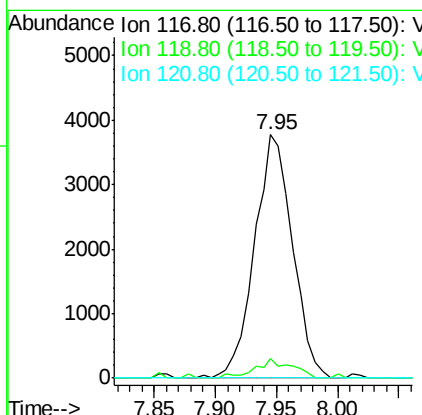
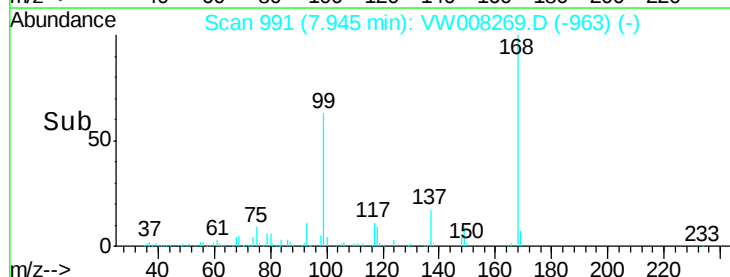
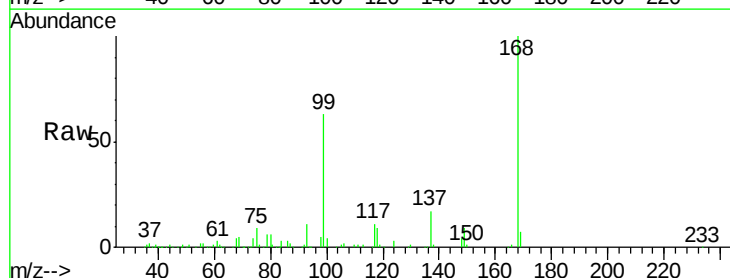
Instrument :
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 S-6RE

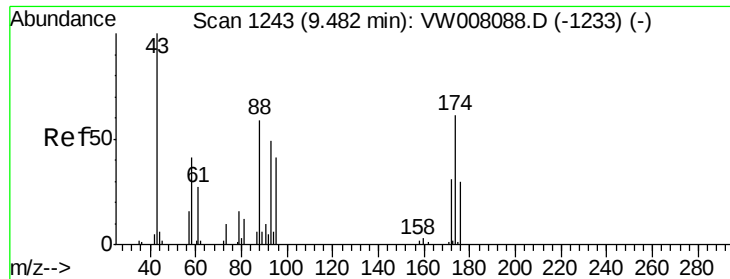
Tgt Ion: 75 Resp: 6832
 Ion Ratio Lower Upper
 75 100
 110 14.0 17.1 51.3#
 77 0.7 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 6.127 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW008269.D
 Acq: 15 Jan 2019 03:10

Tgt Ion: 117 Resp: 8151
 Ion Ratio Lower Upper
 117 100
 119 6.4 75.8 113.8#
 121 0.0 23.7 35.5#

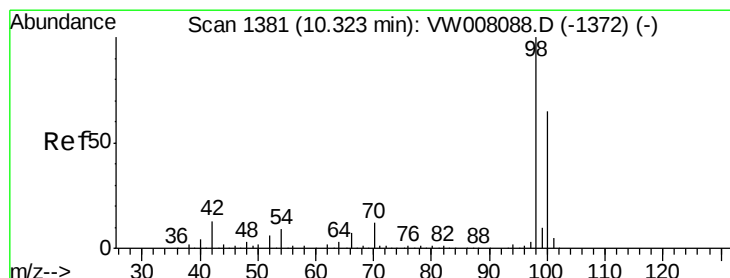
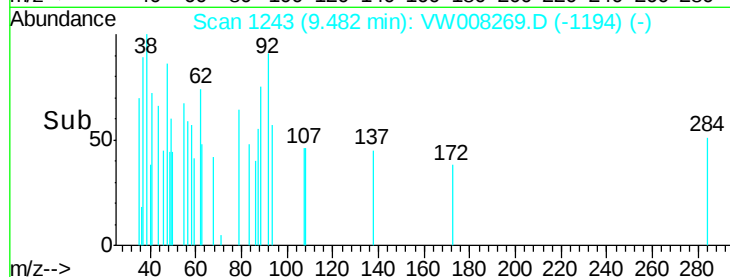
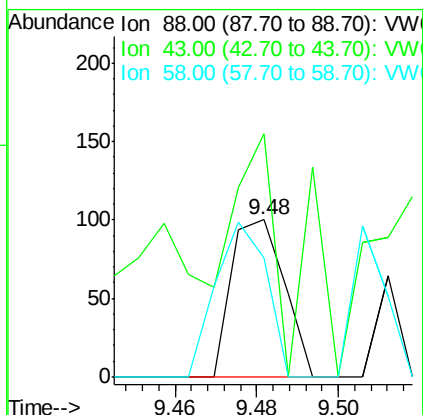
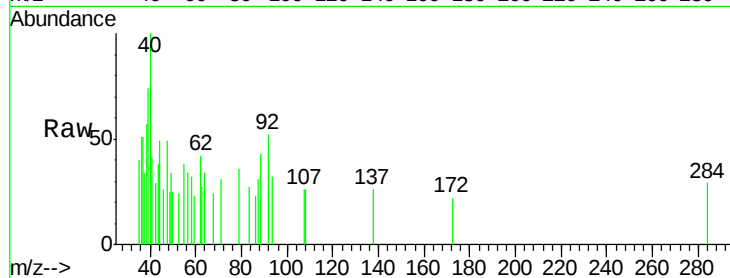




#49
1,4-Dioxane
Concen: 11.657 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VW008269.D
Acq: 15 Jan 2019 03:10

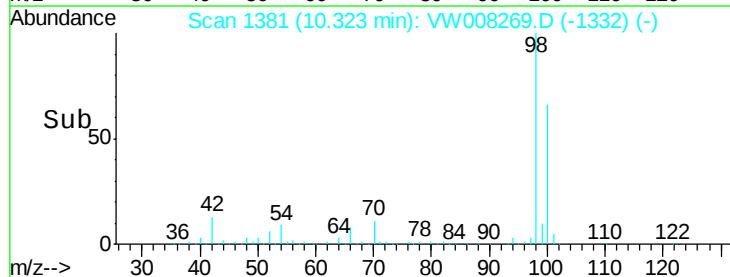
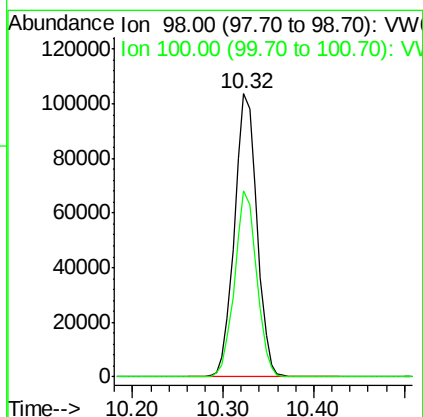
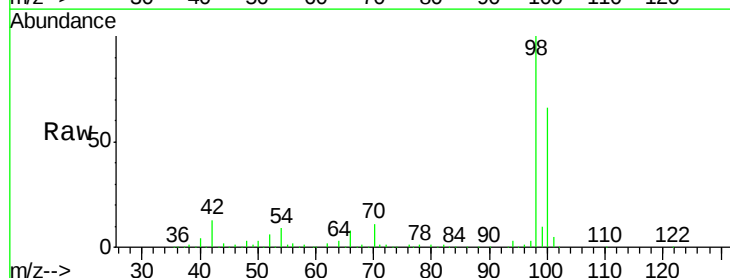
Instrument :
MSVOA_W
ClientSampled :
S-6RE

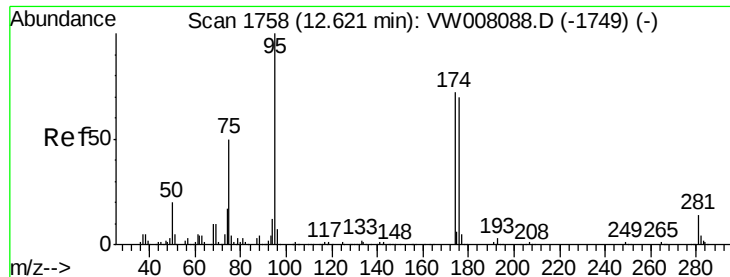
Tgt Ion: 88 Resp: 90
Ion Ratio Lower Upper
88 100
43 112.2 0.0 0.0#
58 94.4 61.7 92.5#



#50
Toluene-d8
Concen: 51.635 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008269.D
Acq: 15 Jan 2019 03:10

Tgt Ion: 98 Resp: 178331
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 34.849 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008269.D

Acq: 15 Jan 2019 03:10

Instrument :

MSVOA_W

ClientSampled :

S-6RE

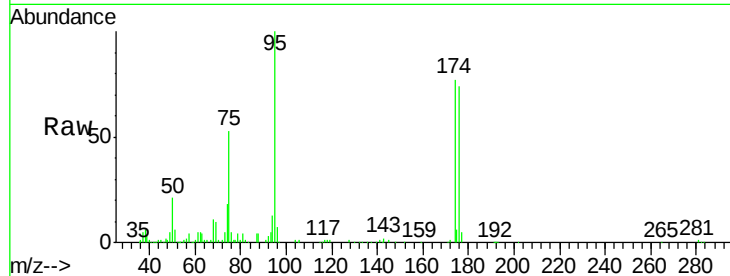
Tgt Ion: 95 Resp: 43148

Ion Ratio Lower Upper

95 100

174 75.9 0.0 143.0

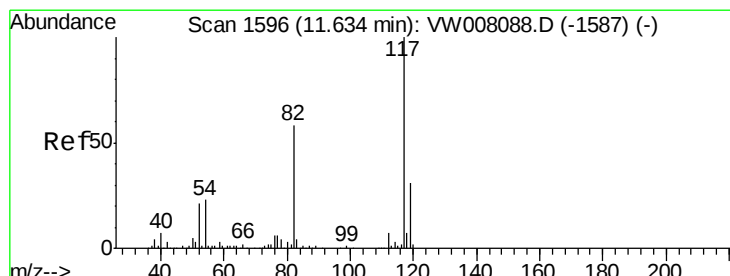
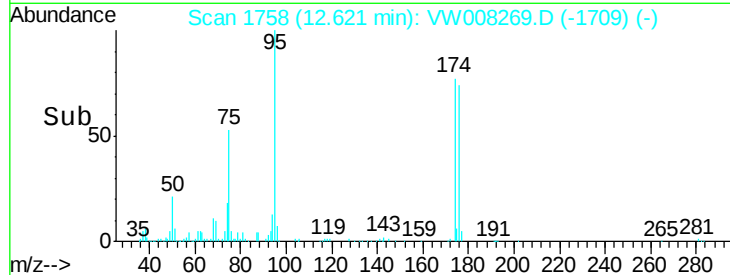
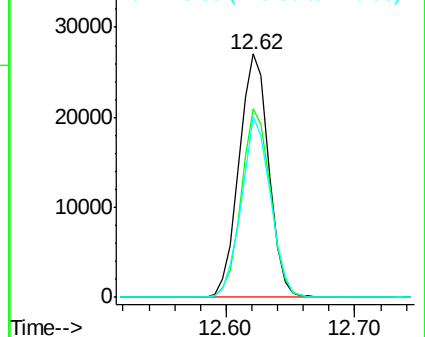
176 72.5 0.0 140.2



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: VW008269.D

Acq: 15 Jan 2019 03:10

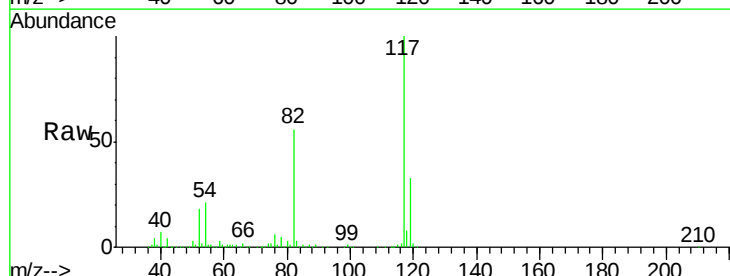
Tgt Ion: 117 Resp: 114442

Ion Ratio Lower Upper

117 100

82 56.0 46.4 69.6

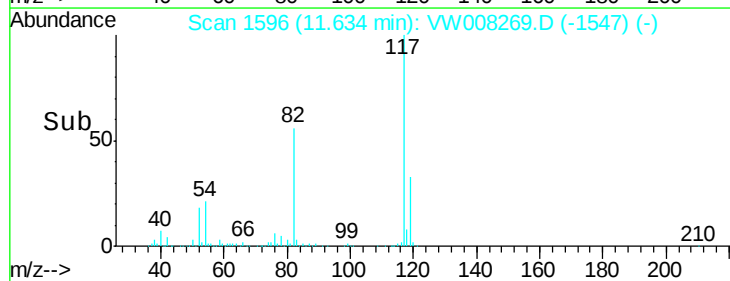
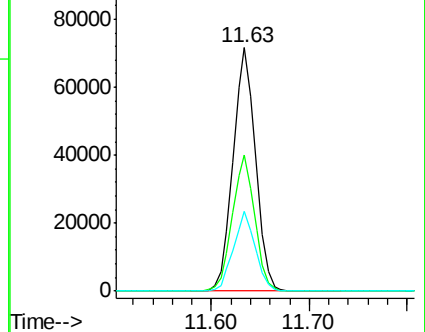
119 32.7 24.7 37.1

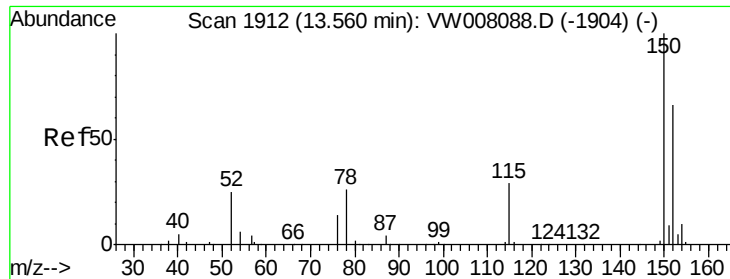


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW008269.D

Acq: 15 Jan 2019 03:10

Instrument :

MSVOA_W

ClientSampled :

S-6RE

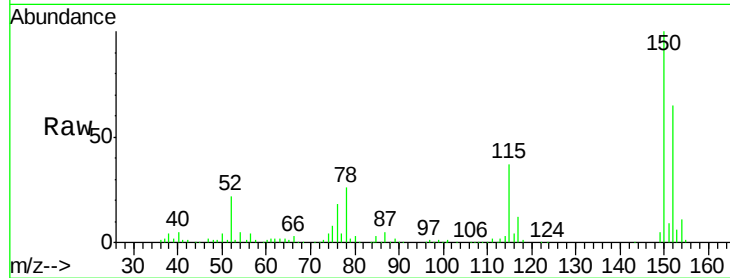
Tgt Ion:152 Resp: 33754

Ion Ratio Lower Upper

152 100

115 64.0 30.8 92.4

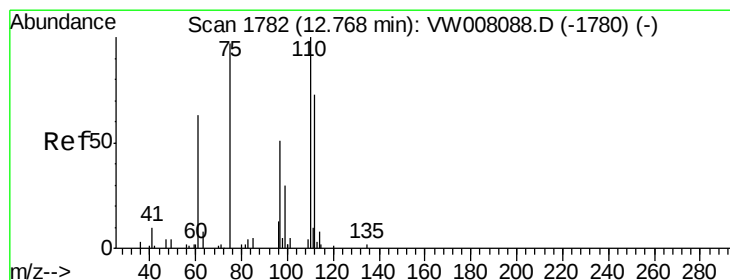
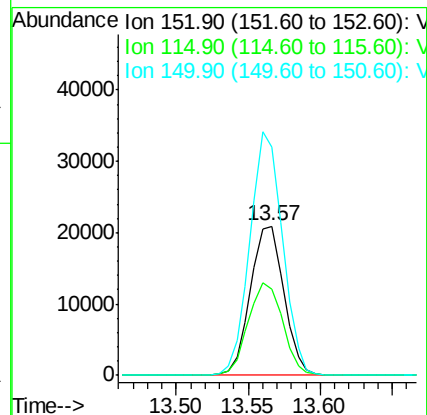
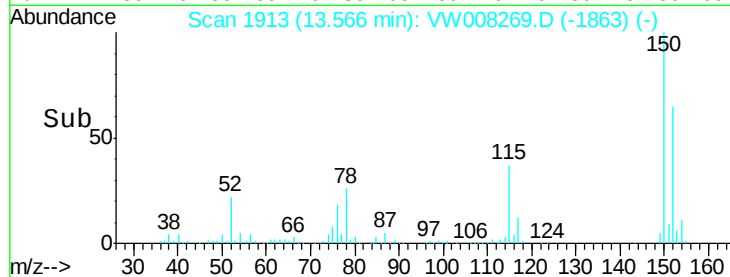
150 158.2 0.0 350.2



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: 72.219 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008269.D

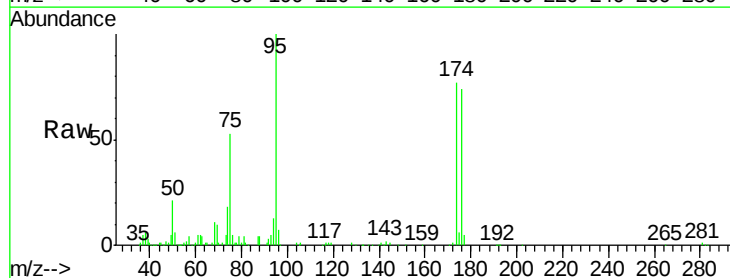
Acq: 15 Jan 2019 03:10

Tgt Ion: 75 Resp: 22222

Ion Ratio Lower Upper

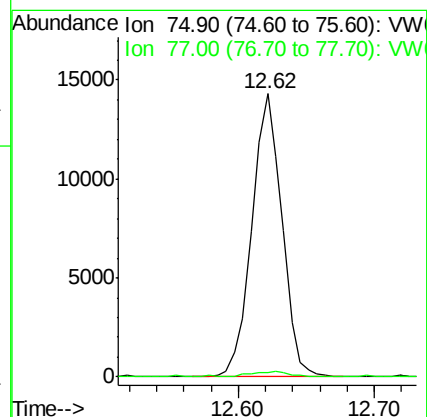
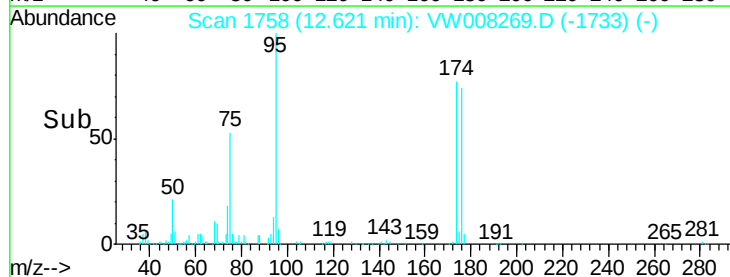
75 100

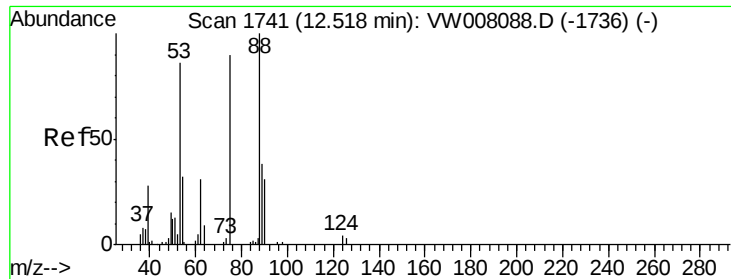
77 2.2 179.4 538.2#



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: 168.175 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008269.D

Acq: 15 Jan 2019 03:10

Instrument :

MSVOA_W

ClientSampleId :

S-6RE

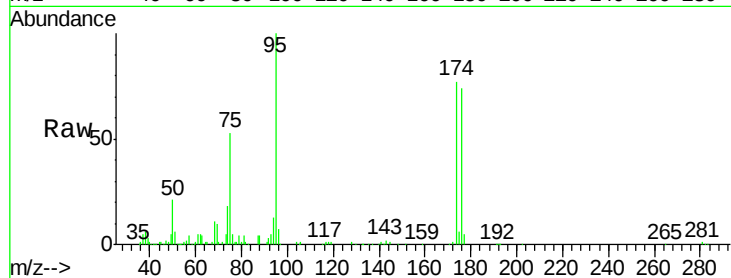
Tgt Ion: 75 Resp: 22222

Ion Ratio Lower Upper

75 100

53 1.0 78.8 118.2#

89 0.2 35.4 53.2#



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

