

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011419\
 Data File : VW008271.D
 Acq On : 15 Jan 2019 04:04
 Operator : SY/VA
 Sample : K1139-15RE
 Misc : 3.25G/5ML/MSVOA_W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S-8RE

Quant Time: Jan 15 11:02:03 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	67442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	125916	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	96375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	26029	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	44509	58.72	ug/l	0.00
Spiked Amount			Recovery	=	117.44%	
35) Dibromofluoromethane	7.88	113	42529	57.91	ug/l	0.00
Spiked Amount			Recovery	=	115.82%	
50) Toluene-d8	10.32	98	158410	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	
62) 4-Bromofluorobenzene	12.62	95	34631	31.35	ug/l	0.00
Spiked Amount			Recovery	=	62.70%	

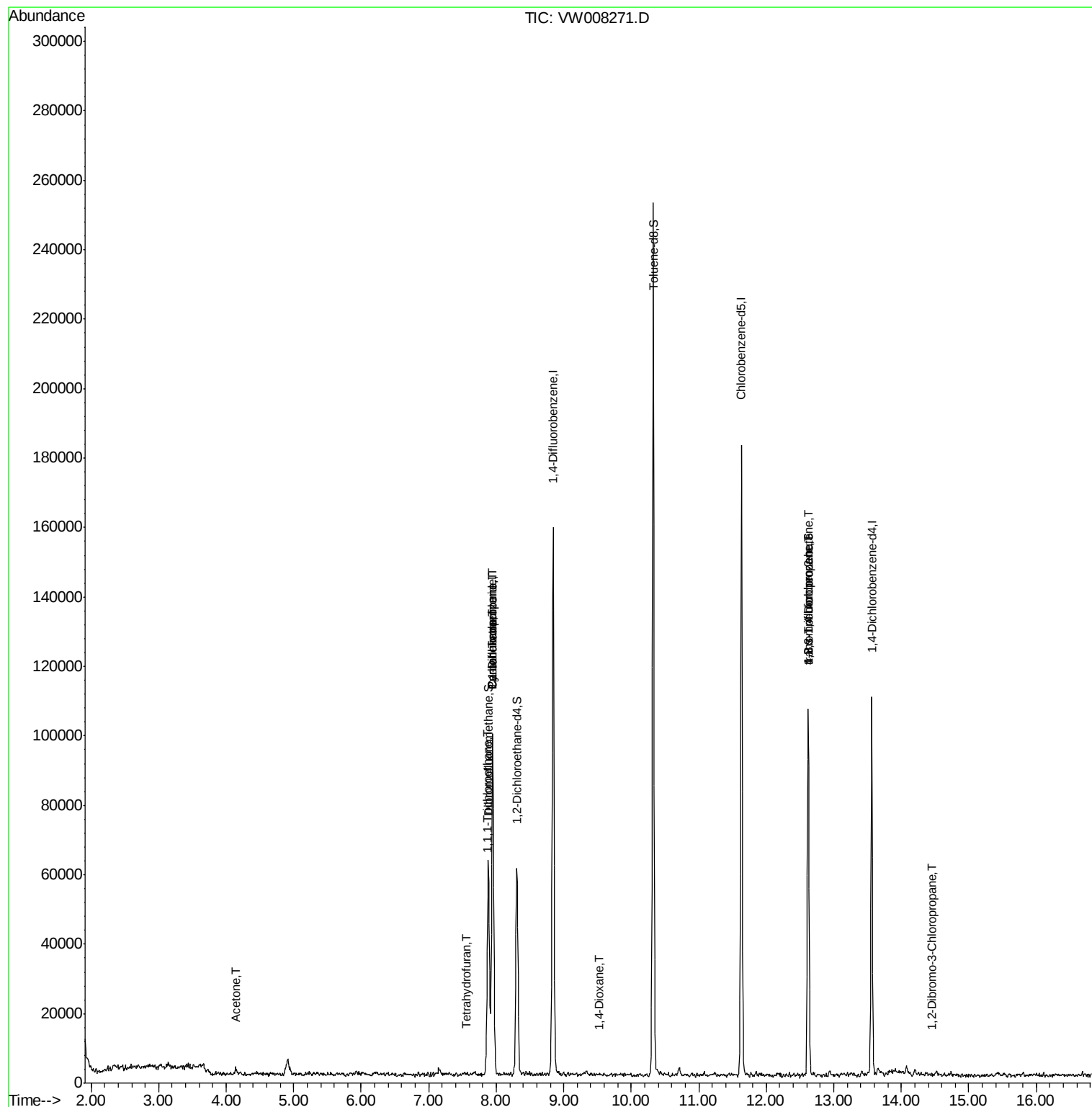
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.25	59	146	Below Cal	#	100
16) Acetone	4.14	43	3533	5.222	ug/l #	72
20) Methylene Chloride	4.91	84	2890	Below Cal	#	92
29) Tetrahydrofuran	7.56	42	263	1.867	ug/l #	70
31) Cyclohexane	7.95	56	1997	1.252	ug/l #	1
32) 1,1,1-Trichloroethane	7.87	97	1589	1.288	ug/l #	46
36) 1,1-Dichloropropene	7.95	75	5944	4.583	ug/l #	51
38) Carbon Tetrachloride	7.95	117	7541	6.352	ug/l #	18
49) 1,4-Dioxane	9.52	88	19	2.758	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	17704	74.611	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	17704	173.747	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.46	75	53	1.007	ug/l #	6

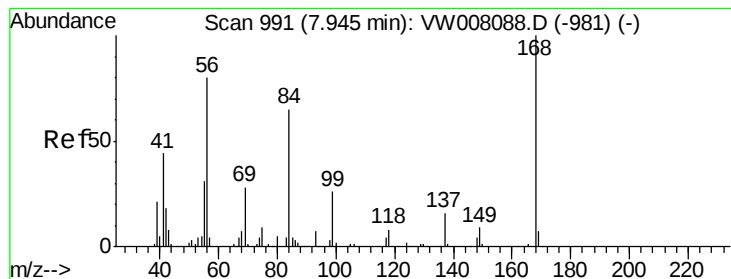
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: VW008271.D

Acq: 15 Jan 2019 04:04

Instrument :

MSVOA_W

ClientSampled :

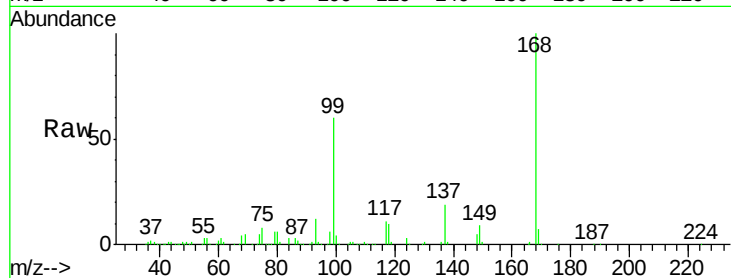
S-8RE

Tgt Ion:168 Resp: 67442

Ion Ratio Lower Upper

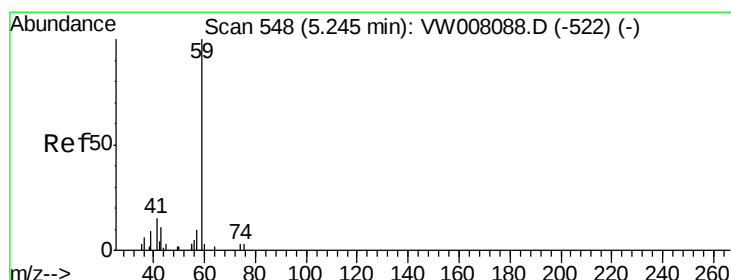
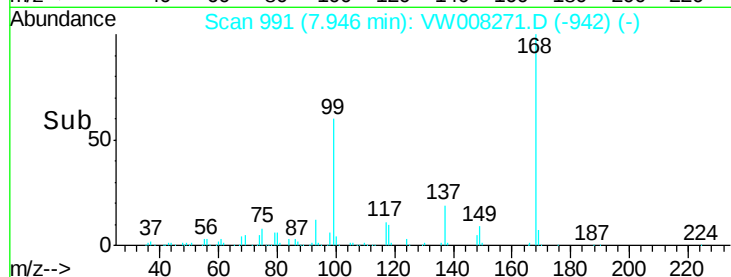
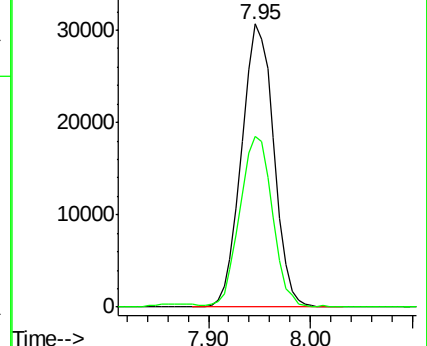
168 100

99 60.3 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.25 min Scan# 549

Delta R.T. 0.01 min

Lab File: VW008271.D

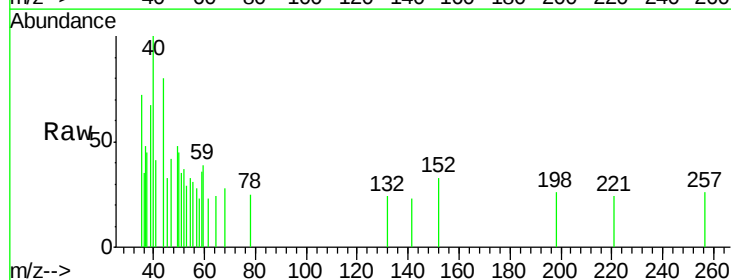
Acq: 15 Jan 2019 04:04

Tgt Ion: 59 Resp: 146

Ion Ratio Lower Upper

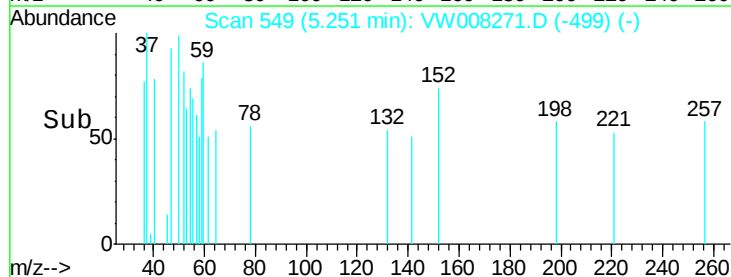
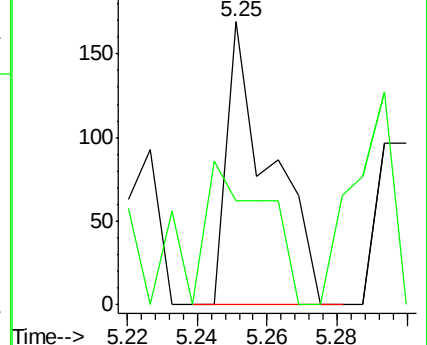
59 100

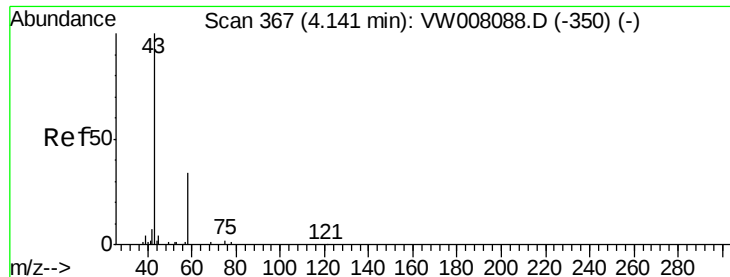
57 82.2 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 5.222 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW008271.D

Acq: 15 Jan 2019 04:04

Instrument :

MSVOA_W

ClientSampled :

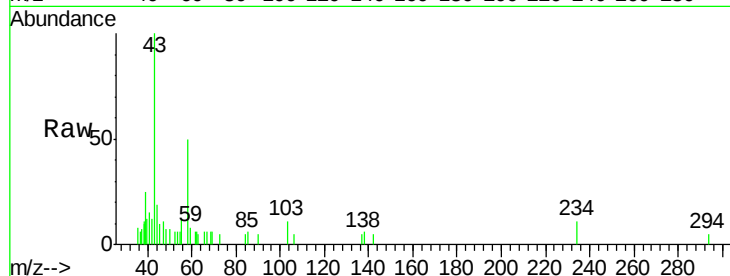
S-8RE

Tgt Ion: 43 Resp: 3533

Ion Ratio Lower Upper

43 100

58 50.4 27.5 41.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

1200

1000

800

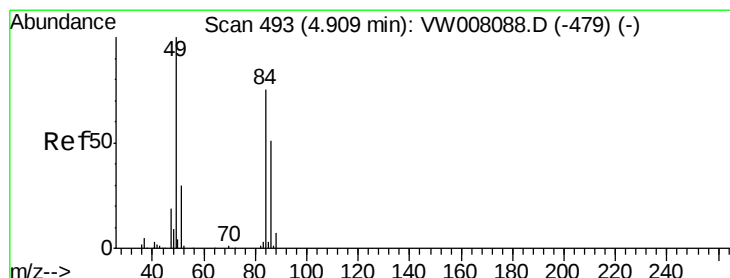
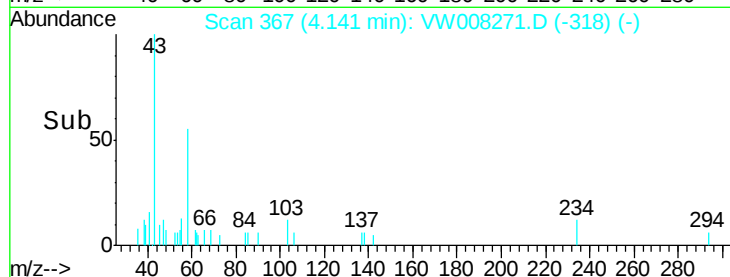
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW008271.D

Acq: 15 Jan 2019 04:04

Tgt Ion: 84 Resp: 2890

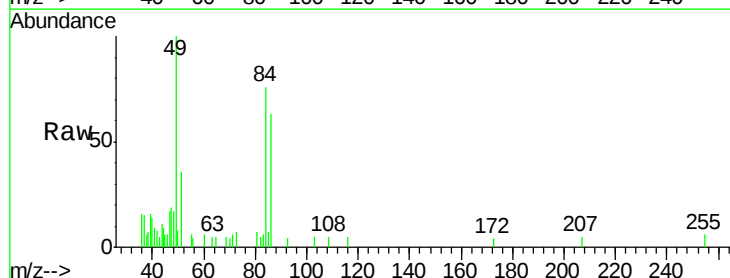
Ion Ratio Lower Upper

84 100

49 131.3 107.1 160.7

51 47.0 32.4 48.6

86 82.1 54.2 81.4#



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

2000

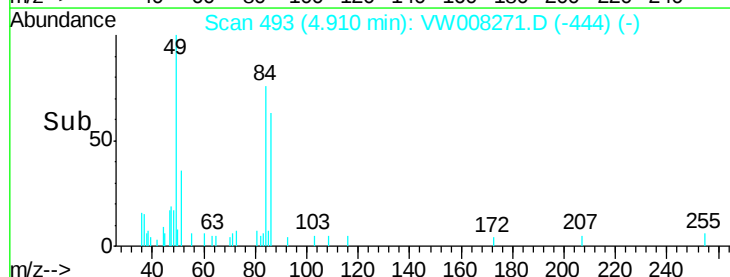
1500

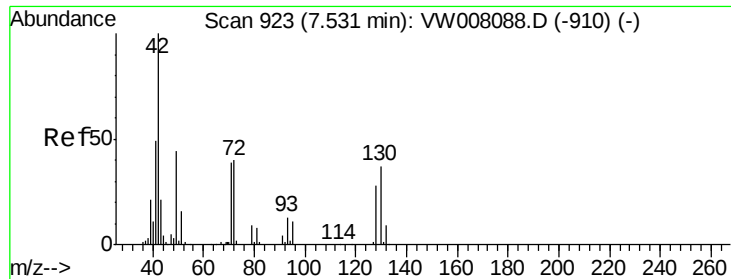
1000

500

0

Time-->

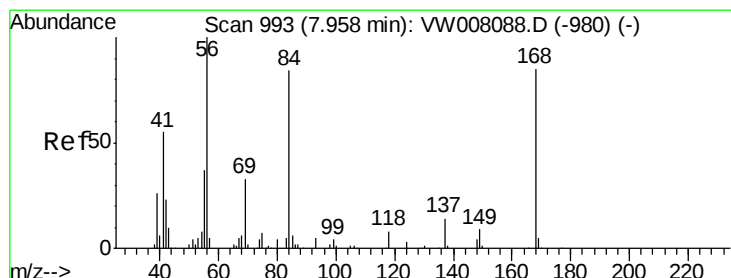
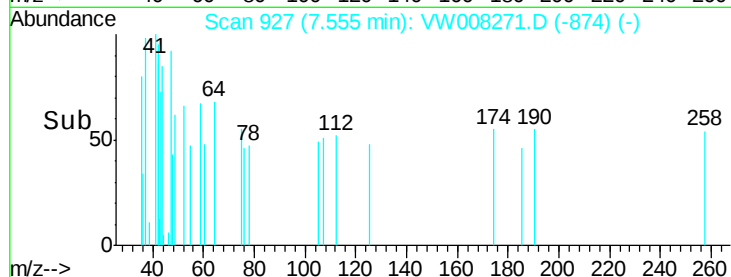
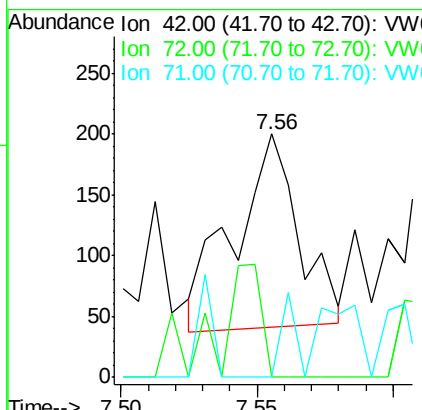
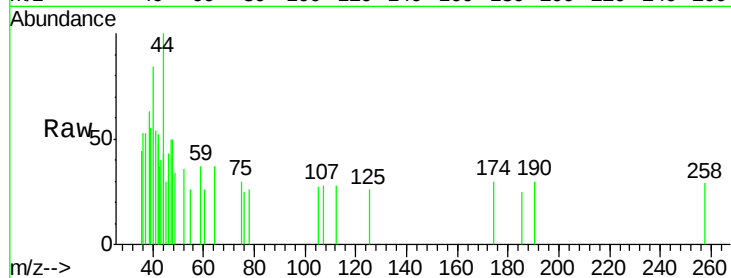




#29
Tetrahydrofuran
Concen: 1.867 ug/l
RT: 7.56 min Scan# 927
Delta R.T. 0.02 min
Lab File: VW008271.D
Acq: 15 Jan 2019 04:04

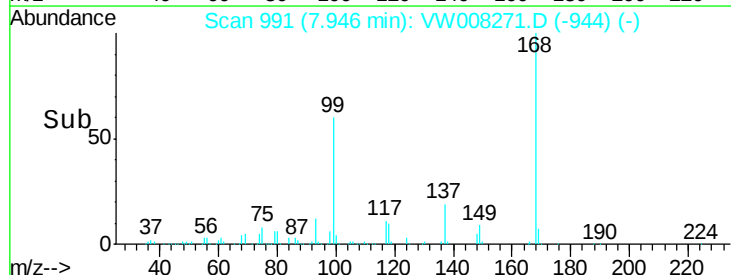
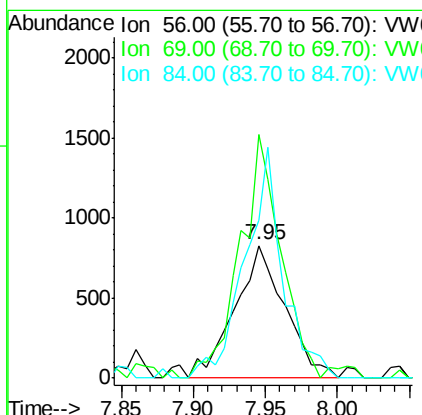
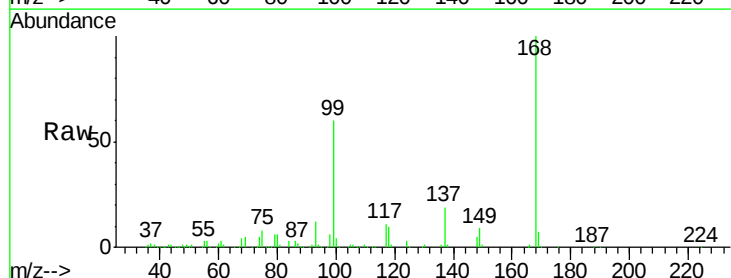
Instrument :
MSVOA_W
ClientSampled :
S-8RE

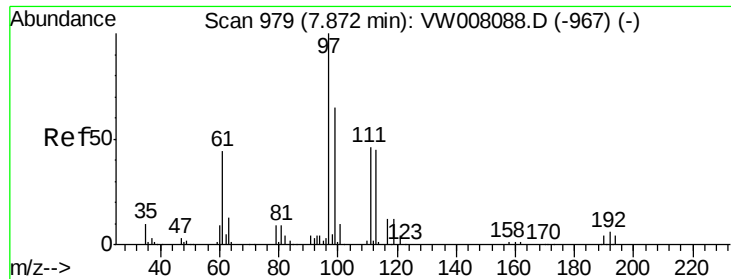
Tgt Ion: 42 Resp: 263
Ion Ratio Lower Upper
42 100
72 33.1 32.4 48.6
71 9.9 31.3 46.9#



#31
Cyclohexane
Concen: 1.252 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008271.D
Acq: 15 Jan 2019 04:04

Tgt Ion: 56 Resp: 1997
Ion Ratio Lower Upper
56 100
69 183.6 26.2 39.4#
84 119.3 67.4 101.2#





#32

1,1,1-Trichloroethane

Concen: 1.288 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW008271.D

Acq: 15 Jan 2019 04:04

Instrument :

MSVOA_W

ClientSampleId :

S-8RE

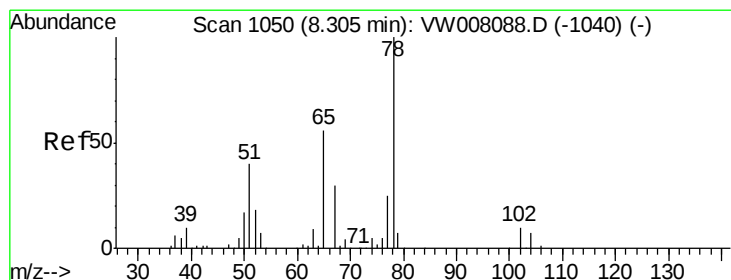
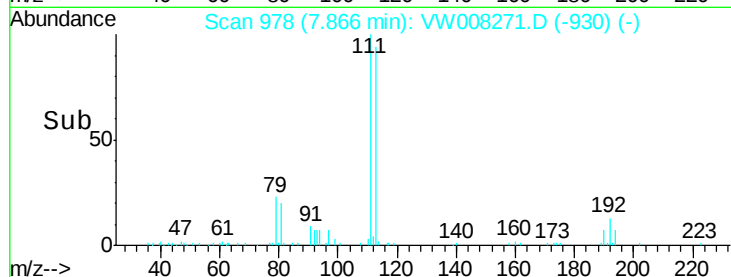
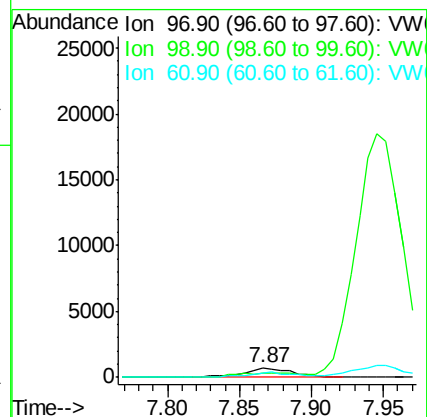
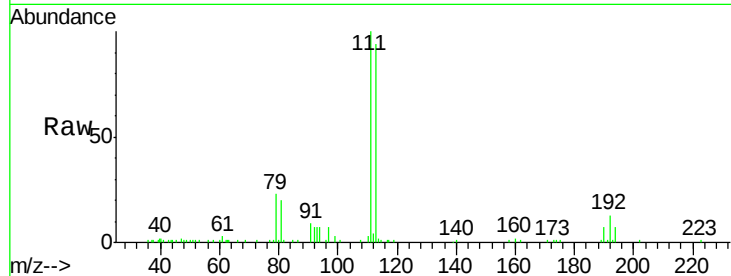
Tgt Ion: 97 Resp: 1589

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

61 53.2 35.6 53.4



#33

1,2-Dichloroethane-d4

Concen: 58.720 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008271.D

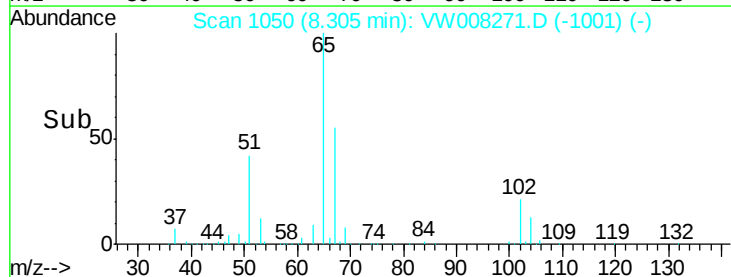
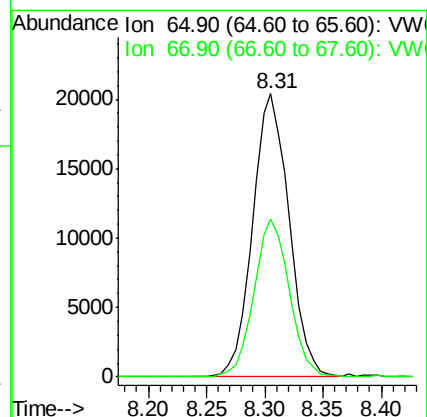
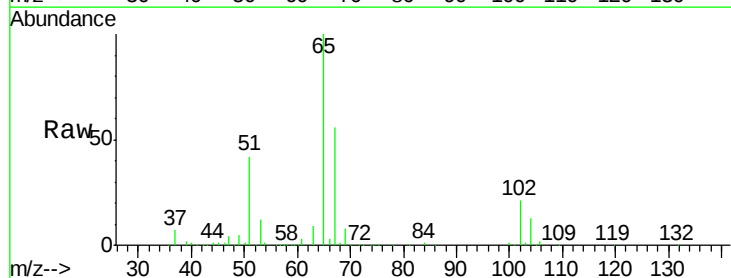
Acq: 15 Jan 2019 04:04

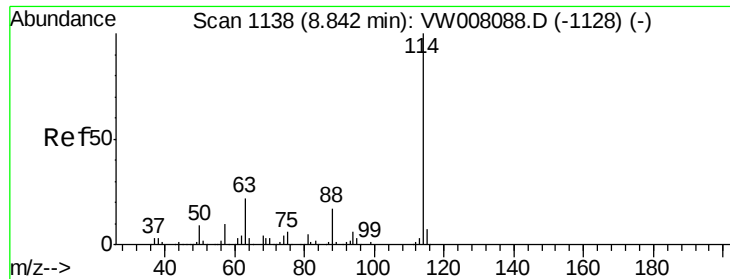
Tgt Ion: 65 Resp: 44509

Ion Ratio Lower Upper

65 100

67 54.2 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: VW008271.D

Acq: 15 Jan 2019 04:04

Instrument :

MSVOA_W

ClientSampleId :

S-8RE

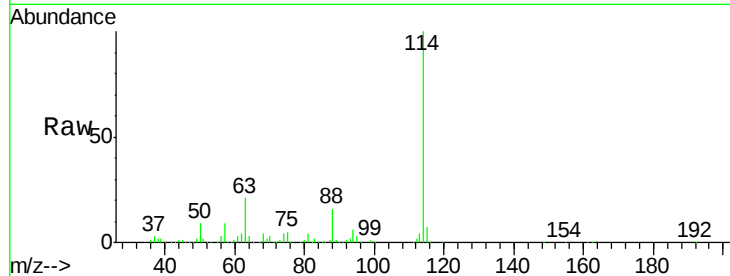
Tgt Ion:114 Resp: 125916

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.4

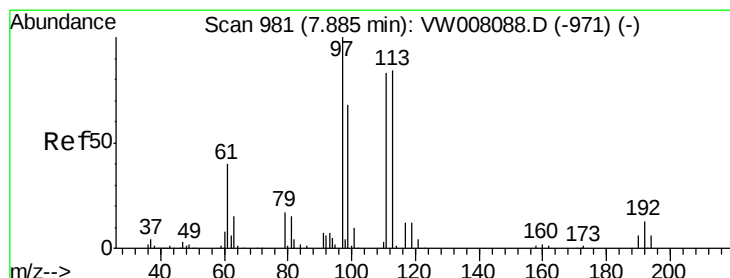
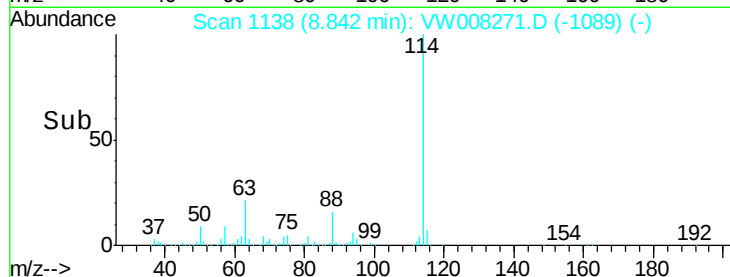
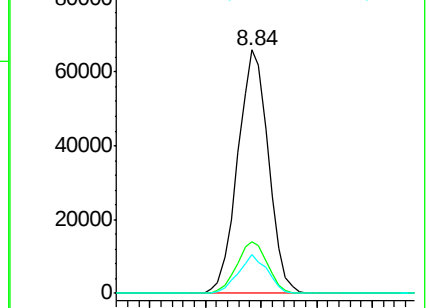
88 16.1 0.0 33.4



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: 57.911 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008271.D

Acq: 15 Jan 2019 04:04

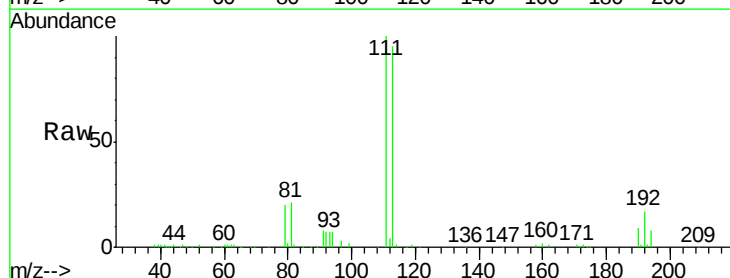
Tgt Ion:113 Resp: 42529

Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.8

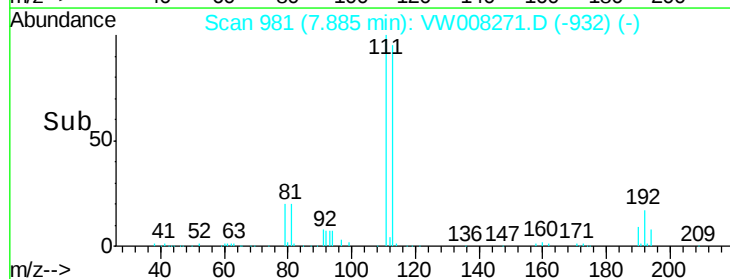
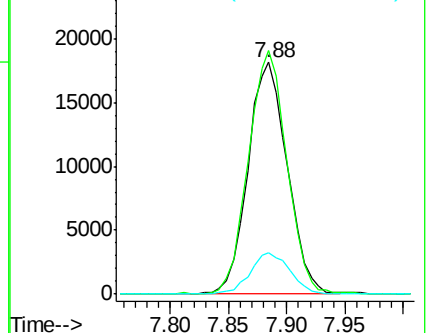
192 18.0 12.8 19.2

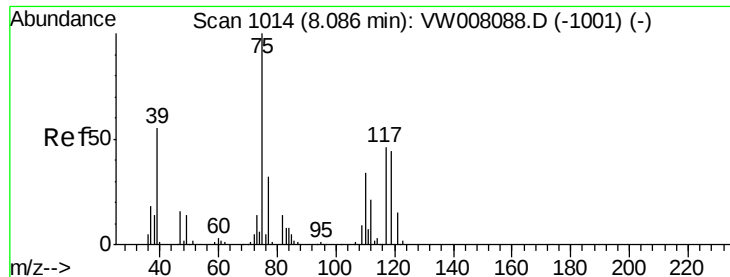


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

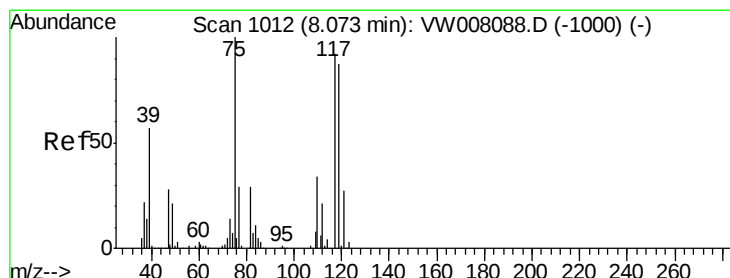
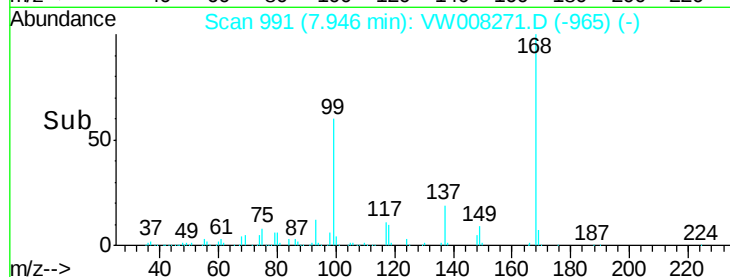
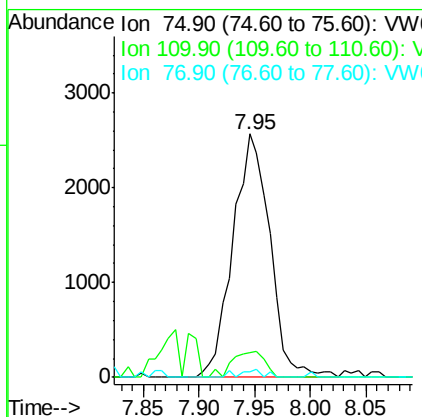
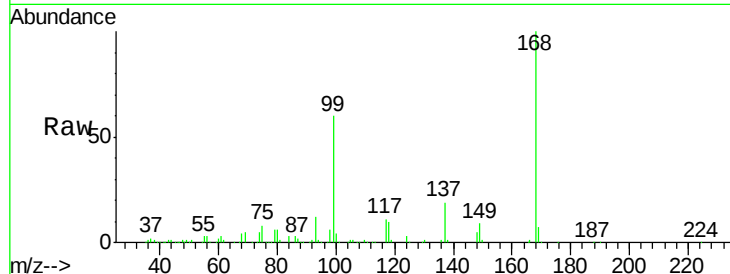




#36
 1,1-Dichloropropene
 Concen: 4.583 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW008271.D
 Acq: 15 Jan 2019 04:04

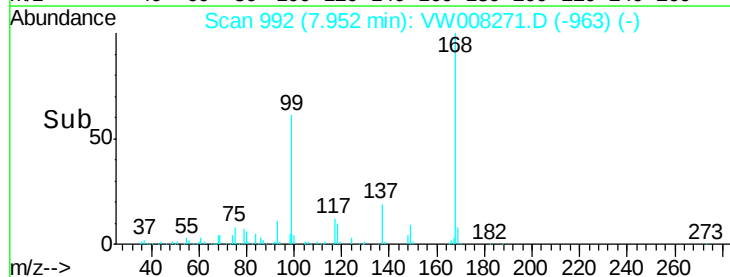
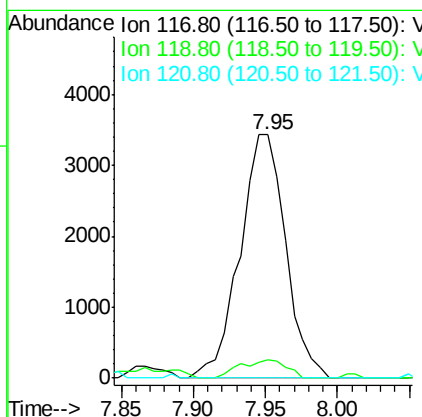
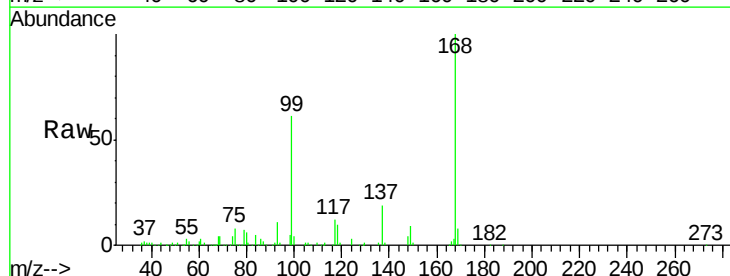
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 S-8RE

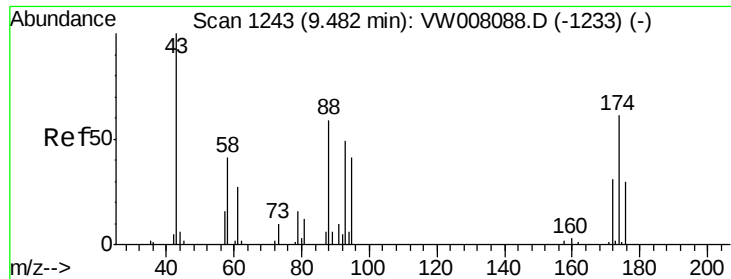
Tgt Ion: 75 Resp: 5944
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.1 51.3#
 77 1.5 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 6.352 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW008271.D
 Acq: 15 Jan 2019 04:04

Tgt Ion: 117 Resp: 7541
 Ion Ratio Lower Upper
 117 100
 119 7.6 75.8 113.8#
 121 0.0 23.7 35.5#

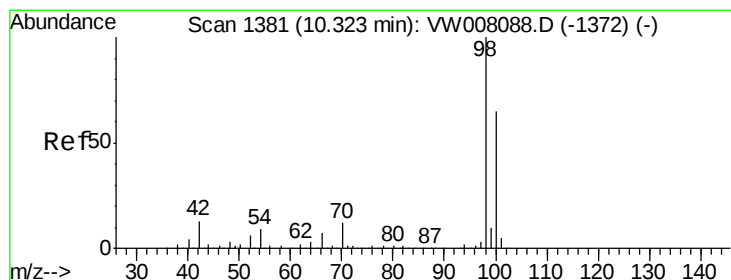
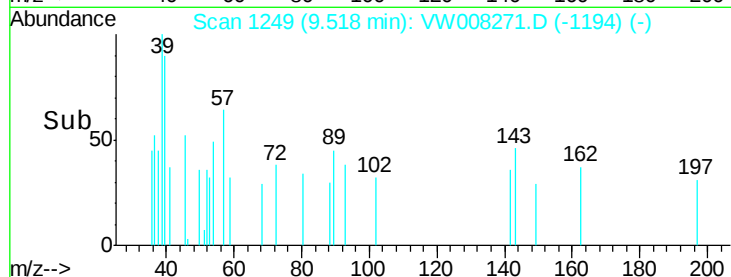
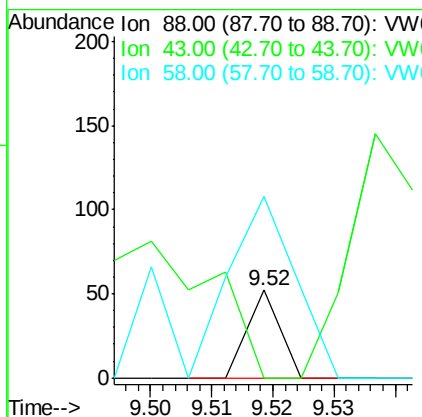
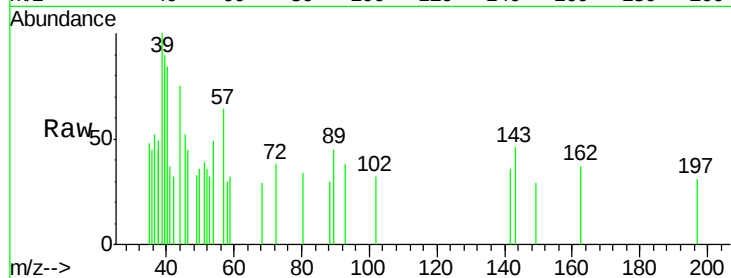




#49
1,4-Dioxane
Concen: 2.758 ug/l
RT: 9.52 min Scan# 1249
Delta R.T. 0.04 min
Lab File: VW008271.D
Acq: 15 Jan 2019 04:04

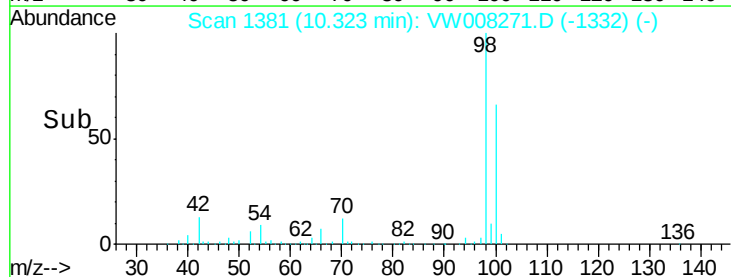
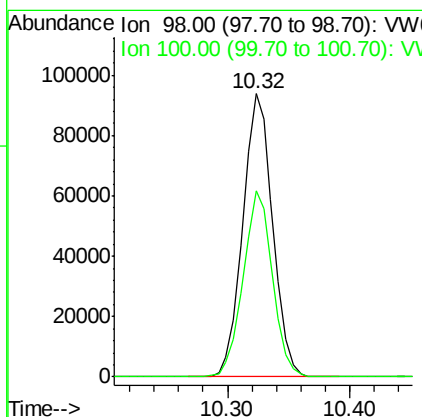
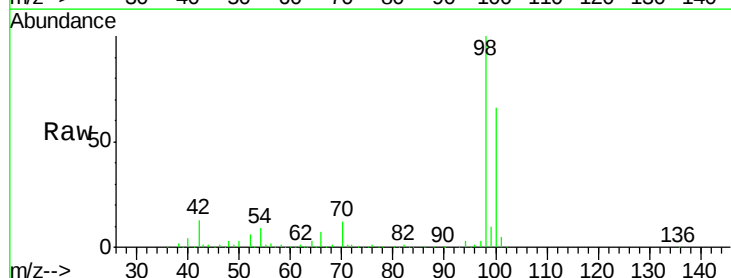
Instrument :
MSVOA_W
ClientSampleId :
S-8RE

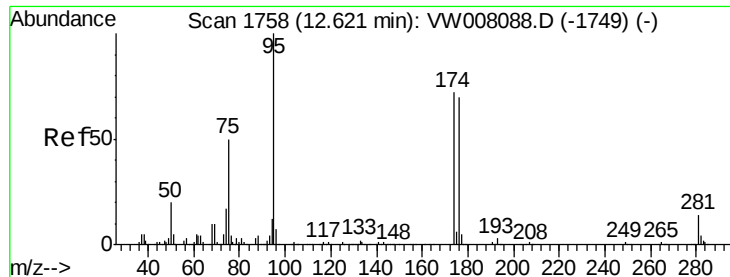
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 552.6 61.7 92.5#



#50
Toluene-d8
Concen: 51.402 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008271.D
Acq: 15 Jan 2019 04:04

Tgt Ion: 98 Resp: 158410
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5

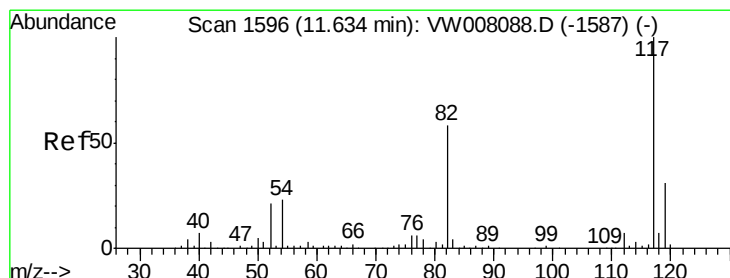
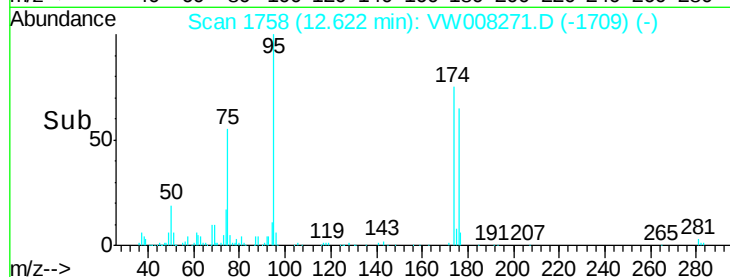
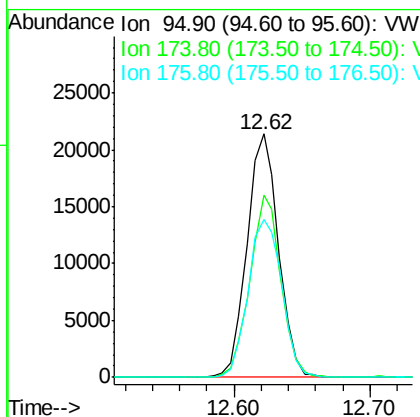
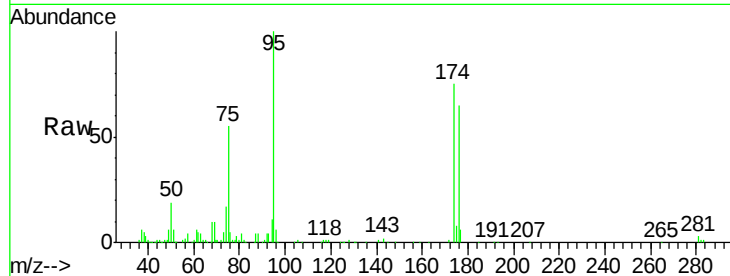




#62
4-Bromofluorobenzene
Concen: 31.346 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008271.D
Acq: 15 Jan 2019 04:04

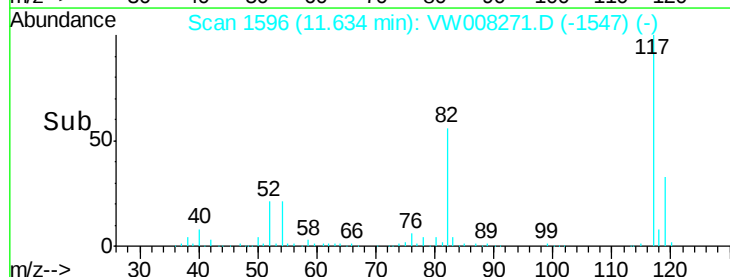
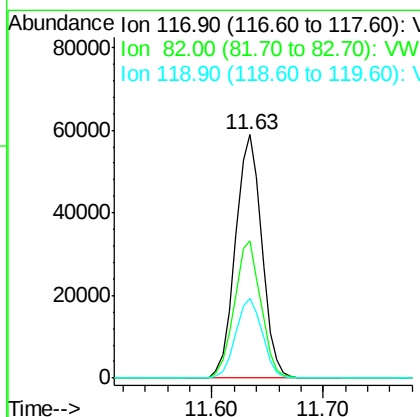
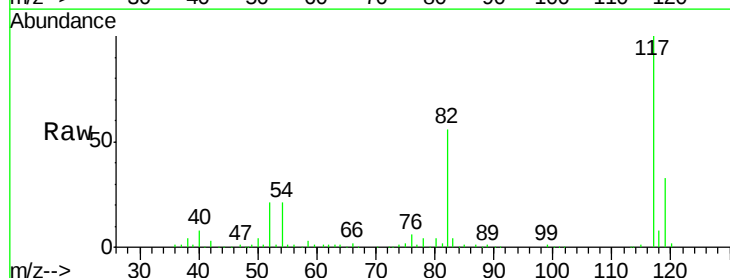
Instrument :
MSVOA_W
ClientSampleId :
S-8RE

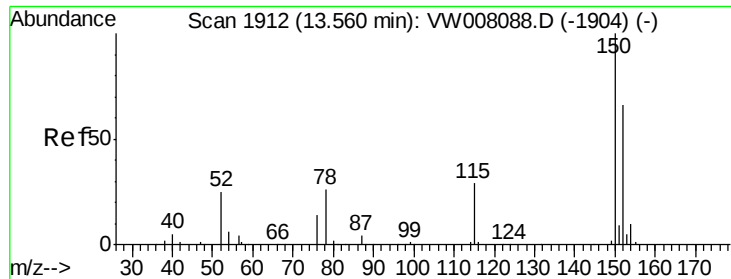
Tgt Ion: 95 Resp: 34631
Ion Ratio Lower Upper
95 100
174 73.8 0.0 143.0
176 69.9 0.0 140.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008271.D
Acq: 15 Jan 2019 04:04

Tgt Ion: 117 Resp: 96375
Ion Ratio Lower Upper
117 100
82 56.4 46.4 69.6
119 32.5 24.7 37.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW008271.D

Acq: 15 Jan 2019 04:04

Instrument :

MSVOA_W

ClientSampleId :

S-8RE

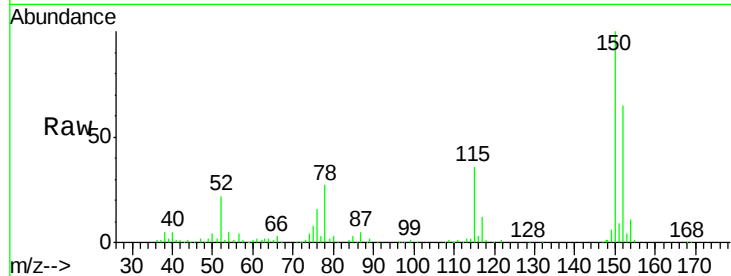
Tgt Ion:152 Resp: 26029

Ion Ratio Lower Upper

152 100

115 61.7 30.8 92.4

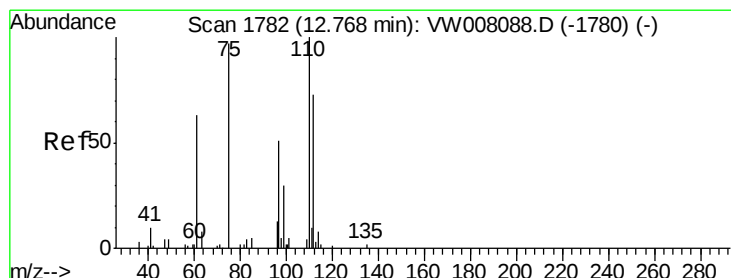
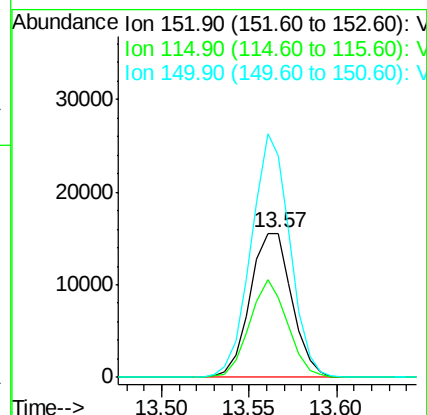
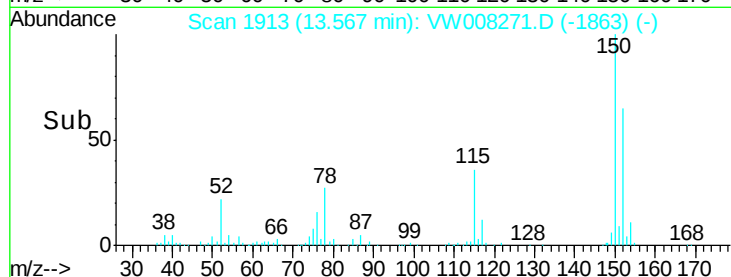
150 156.3 0.0 350.2



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: 74.611 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008271.D

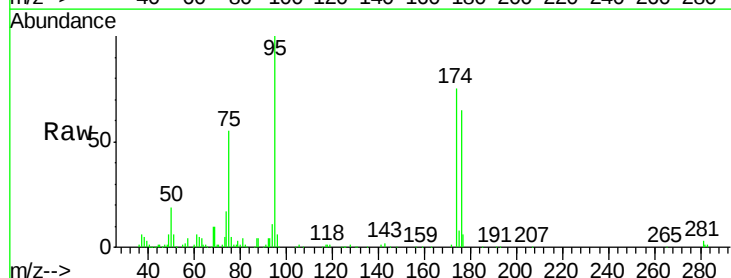
Acq: 15 Jan 2019 04:04

Tgt Ion: 75 Resp: 17704

Ion Ratio Lower Upper

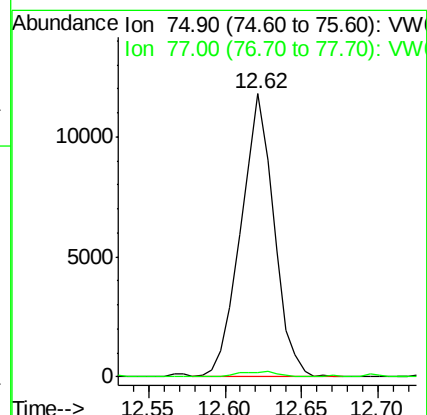
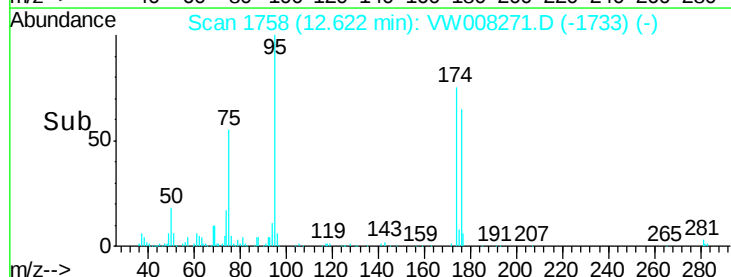
75 100

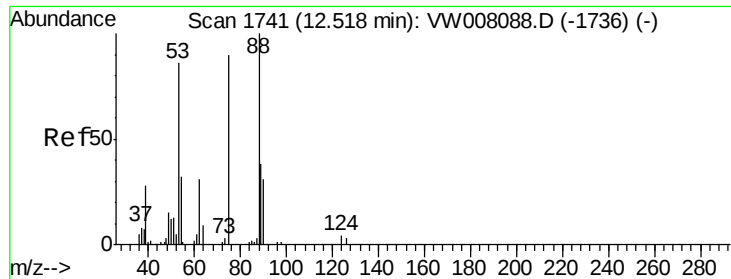
77 2.2 179.4 538.2#



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: 173.747 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008271.D

Acq: 15 Jan 2019 04:04

Instrument :

MSVOA_W

ClientSampleId :

S-8RE

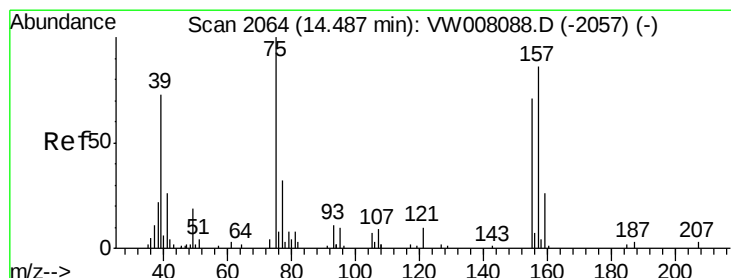
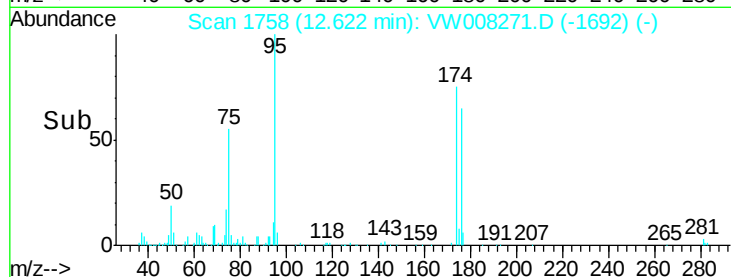
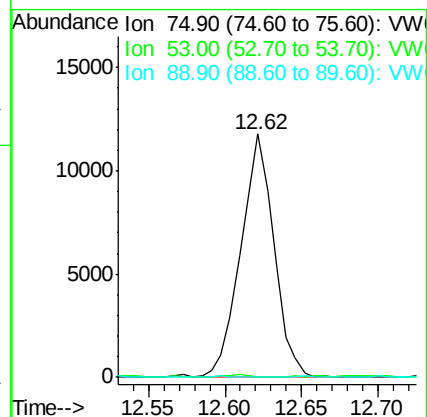
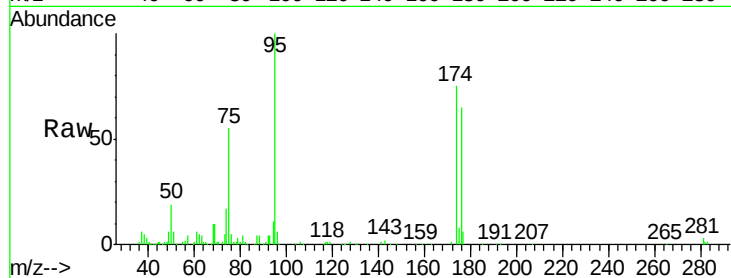
Tgt Ion: 75 Resp: 17704

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.0 35.4 53.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.007 ug/l

RT: 14.46 min Scan# 2060

Delta R.T. -0.02 min

Lab File: VW008271.D

Acq: 15 Jan 2019 04:04

Tgt Ion: 75 Resp: 53

Ion Ratio Lower Upper

75 100

155 0.0 38.6 115.7#

157 0.0 47.5 142.6#

