

Data File : VW008258.D
Acq On : 14 Jan 2019 20:11
Operator : SY/VA
Sample : K1139-01RE
Misc : 3.51G/5ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
S-1RE

Quant Time: Jan 14 21:18:26 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	81650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	140868	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	90514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	16534	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	49892	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	
35) Dibromofluoromethane	7.88	113	49551	60.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.62%	
50) Toluene-d8	10.32	98	165575	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
62) 4-Bromofluorobenzene	12.62	95	25774	20.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.70%	

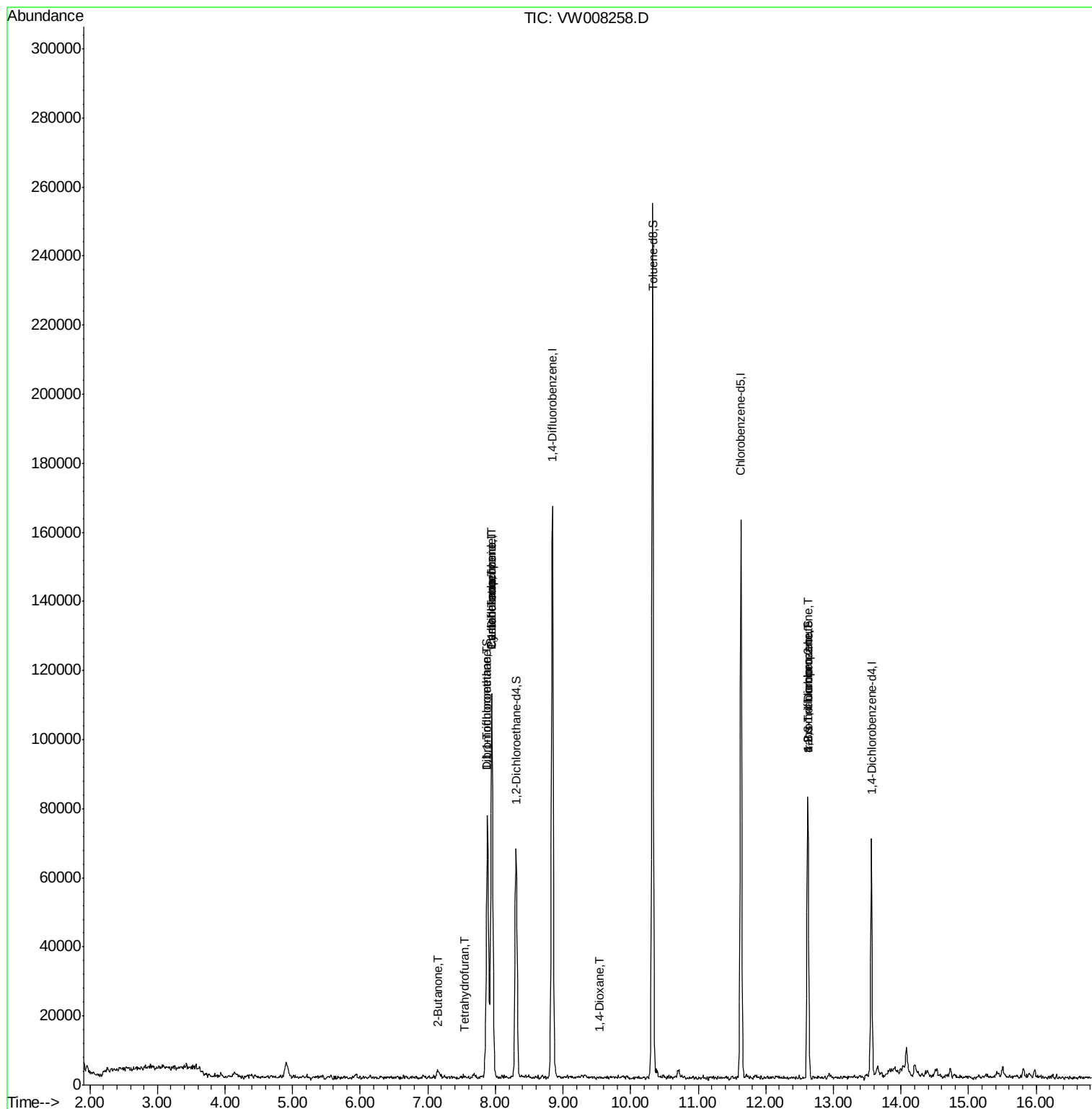
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.24	59	19	Below Cal	#	100
16) Acetone	4.13	43	3293	Below Cal	#	80
20) Methylene Chloride	4.91	84	3196	Below Cal	#	76
25) 2-Butanone	7.16	43	270	1.057	ug/l #	49
29) Tetrahydrofuran	7.54	42	305	1.788	ug/l #	60
31) Cyclohexane	7.95	56	2113	1.094	ug/l #	30
32) 1,1,1-Trichloroethane	7.87	97	4294	2.874	ug/l	94
36) 1,1-Dichloropropene	7.95	75	6541	4.508	ug/l #	49
38) Carbon Tetrachloride	7.95	117	8972	6.755	ug/l #	16
49) 1,4-Dioxane	9.54	88	45	5.838	ug/l #	11
76) 1,2,3-Trichloropropane	12.62	75	13043	86.535	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	13043	201.513	ug/l #	10

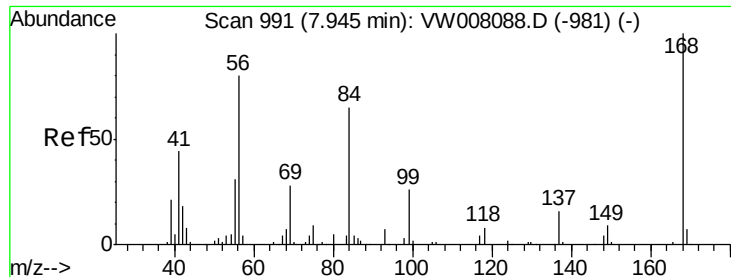
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008258.D

Acq: 14 Jan 2019 20:11

Instrument :

MSVOA_W

ClientSampled :

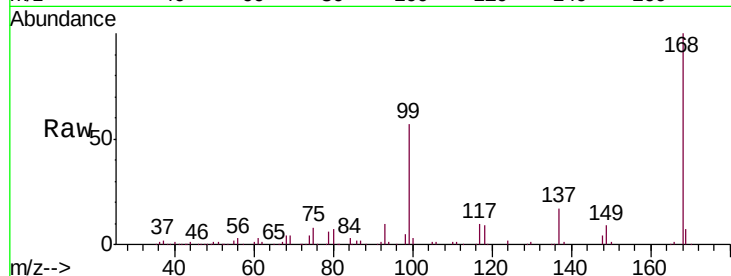
S-1RE

Tgt Ion: 168 Resp: 81650

Ion Ratio Lower Upper

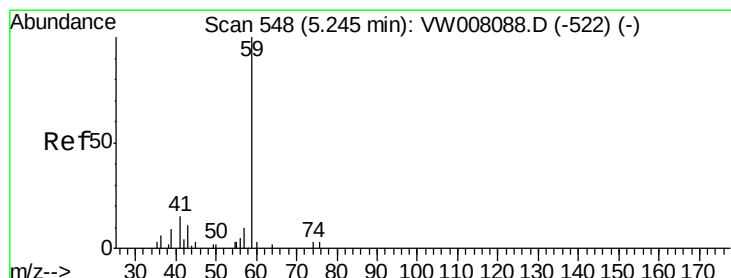
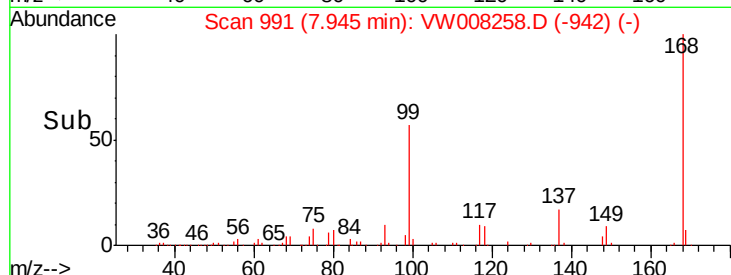
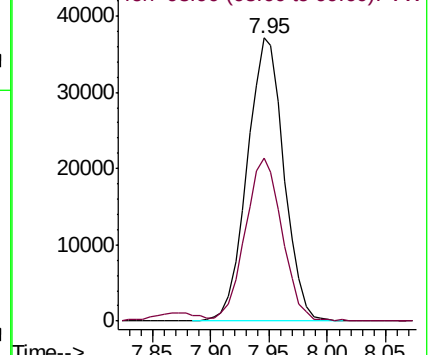
168 100

99 57.0 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: 5.24 min Scan# 547

Delta R.T. -0.01 min

Lab File: VW008258.D

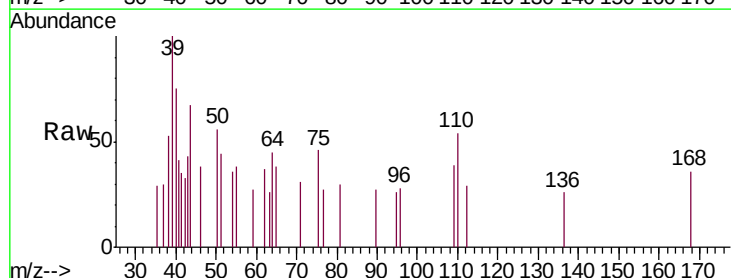
Acq: 14 Jan 2019 20:11

Tgt Ion: 59 Resp: 19

Ion Ratio Lower Upper

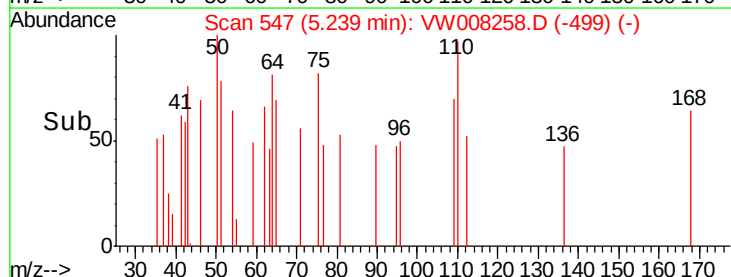
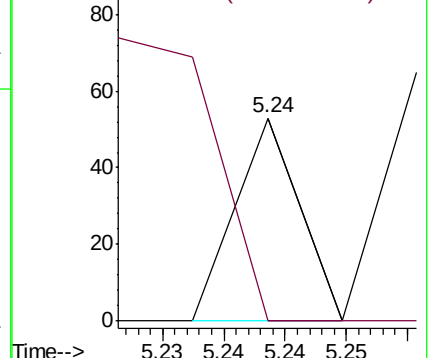
59 100

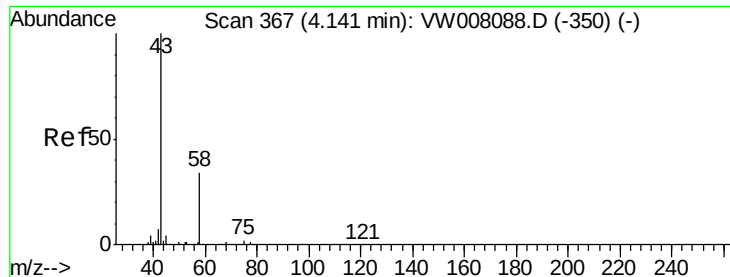
57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

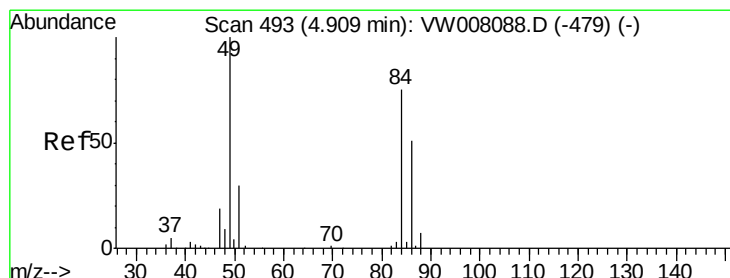
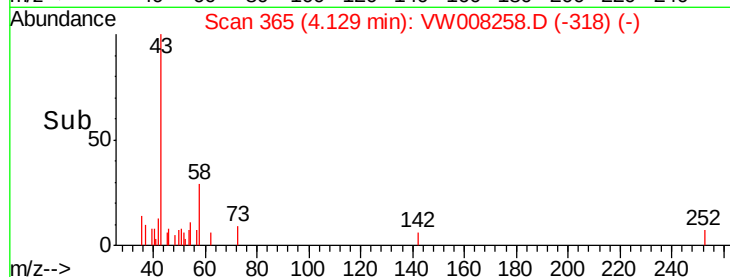
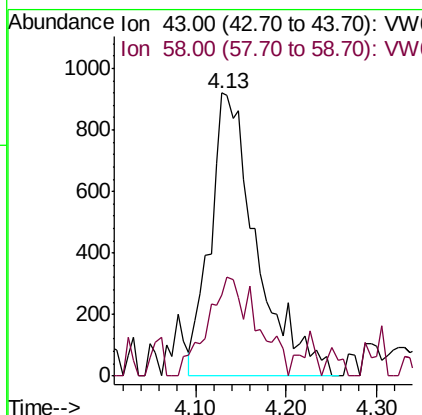
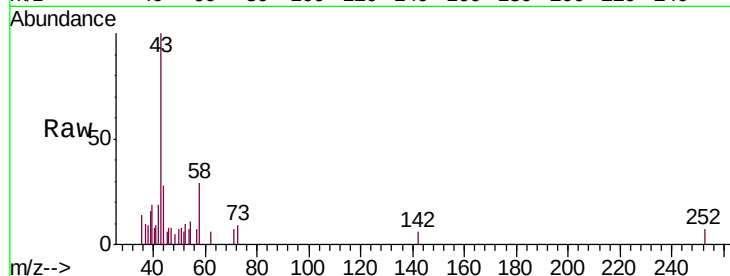




#16
Acetone
Concen: Below Cal
RT: 4.13 min Scan# 365
Delta R.T. -0.01 min
Lab File: VW008258.D
Acq: 14 Jan 2019 20:11

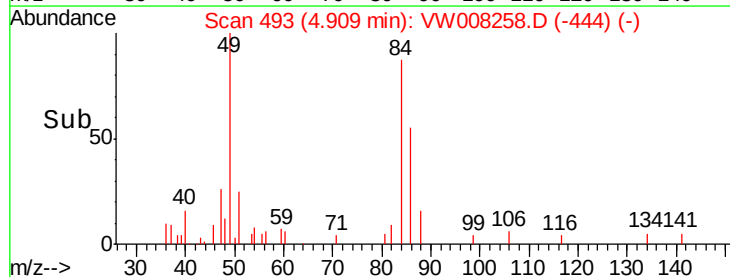
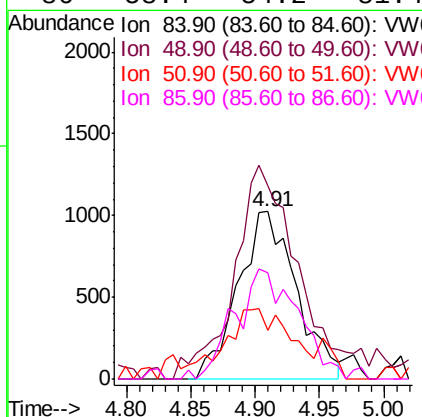
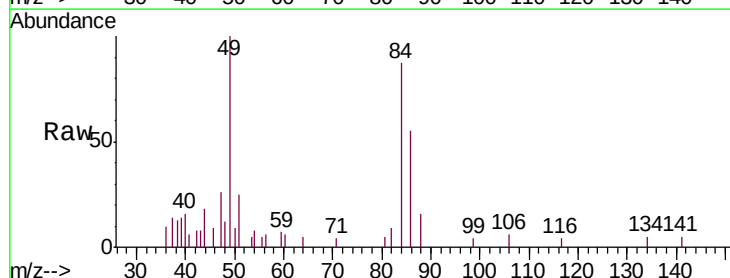
Instrument :
MSVOA_W
ClientSampled :
S-1RE

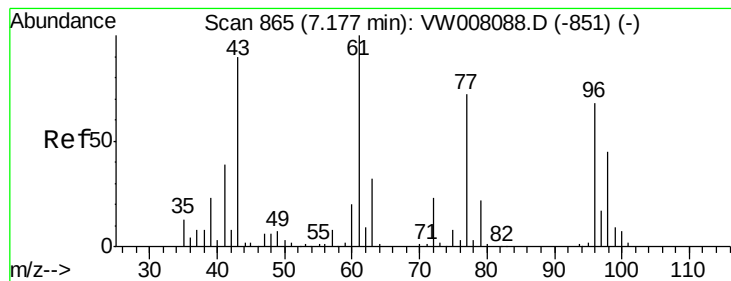
Tgt Ion: 43 Resp: 3293
Ion Ratio Lower Upper
43 100
58 23.2 27.5 41.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008258.D
Acq: 14 Jan 2019 20:11

Tgt Ion: 84 Resp: 3196
Ion Ratio Lower Upper
84 100
49 100.5 107.1 160.7#
51 20.8 32.4 48.6#
86 58.4 54.2 81.4





#25

2-Butanone

Concen: 1.057 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.02 min

Lab File: VW008258.D

Acq: 14 Jan 2019 20:11

Instrument :

MSVOA_W

ClientSampleId :

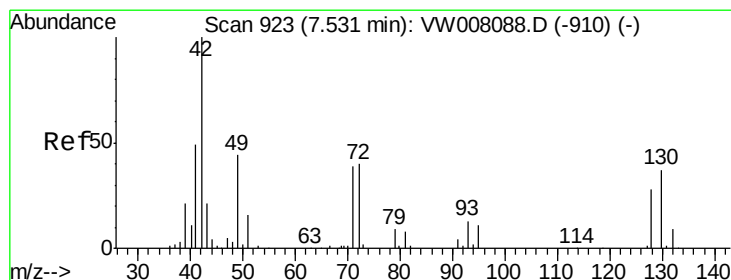
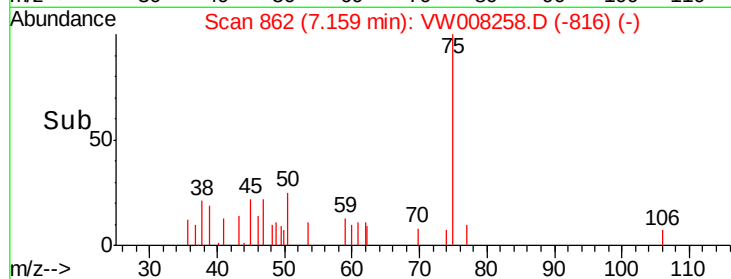
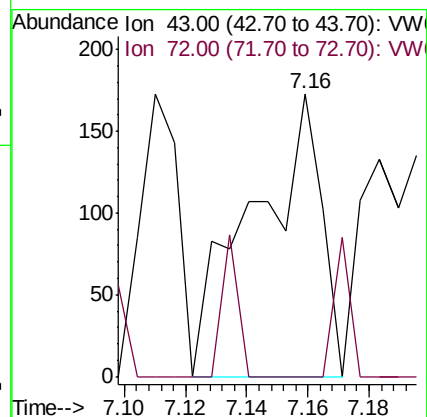
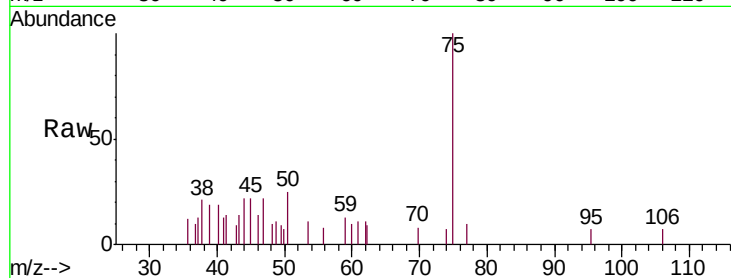
S-1RE

Tgt Ion: 43 Resp: 270

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#29

Tetrahydrofuran

Concen: 1.788 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW008258.D

Acq: 14 Jan 2019 20:11

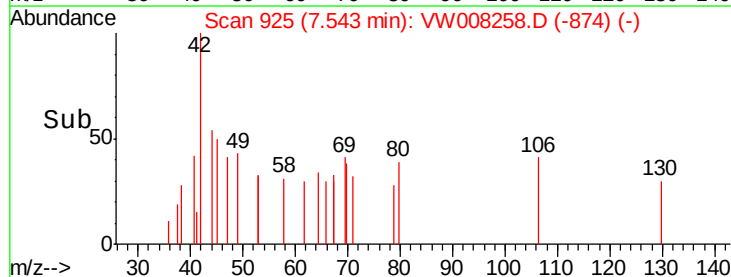
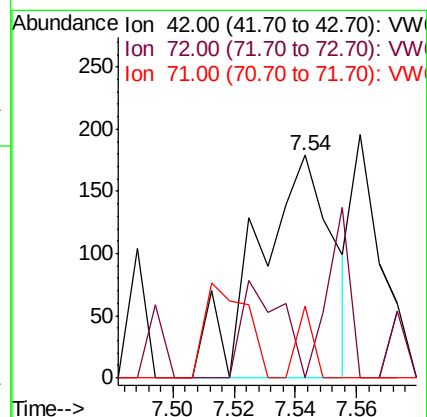
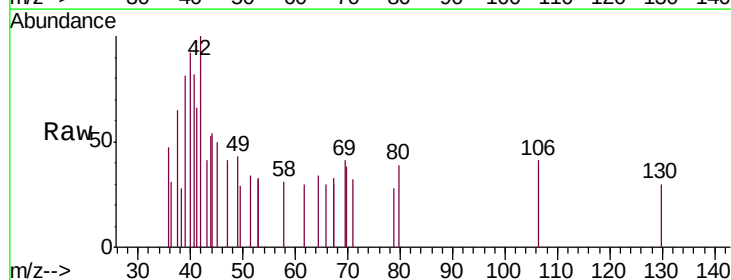
Tgt Ion: 42 Resp: 305

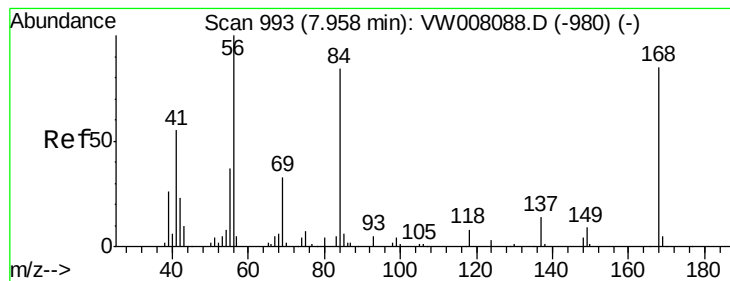
Ion Ratio Lower Upper

42 100

72 23.0 32.4 48.6#

71 6.9 31.3 46.9#





#31

Cyclohexane

Concen: 1.094 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008258.D

Acq: 14 Jan 2019 20:11

Instrument :

MSVOA_W

ClientSampleId :

S-1RE

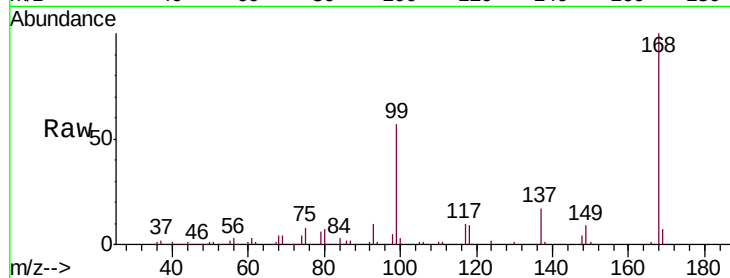
Tgt Ion: 56 Resp: 2113

Ion Ratio Lower Upper

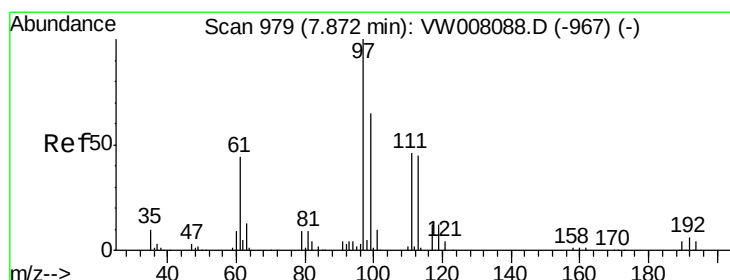
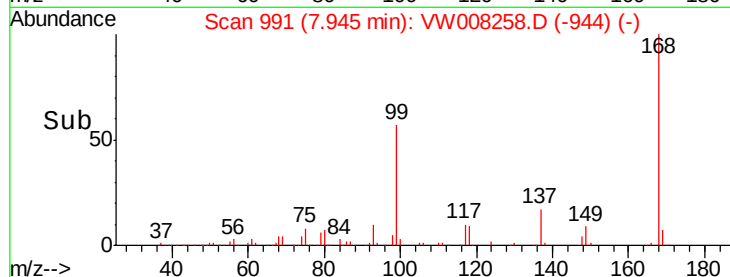
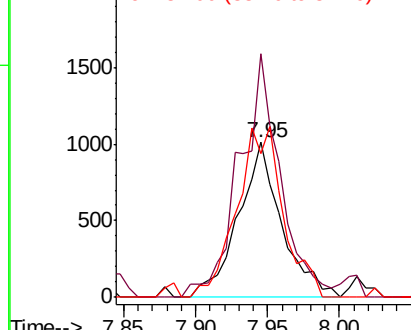
56 100

69 148.9 26.2 39.4#

84 99.6 67.4 101.2



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



#32

1,1,1-Trichloroethane

Concen: 2.874 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW008258.D

Acq: 14 Jan 2019 20:11

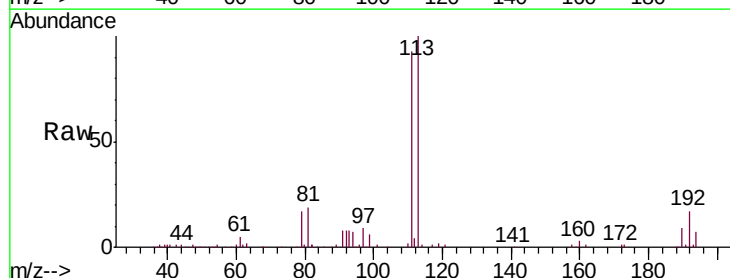
Tgt Ion: 97 Resp: 4294

Ion Ratio Lower Upper

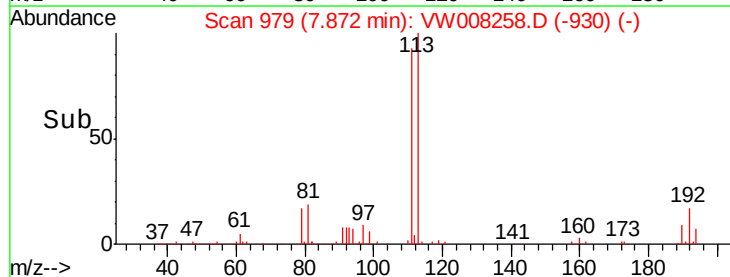
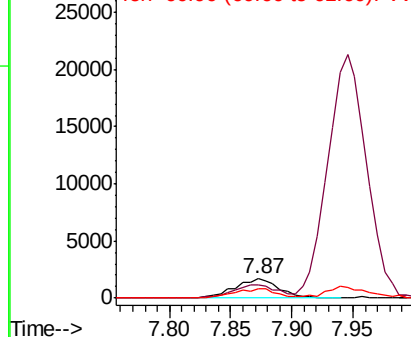
97 100

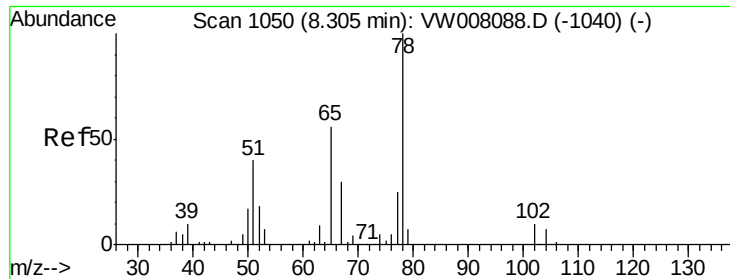
99 67.8 51.4 77.0

61 49.3 35.6 53.4



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

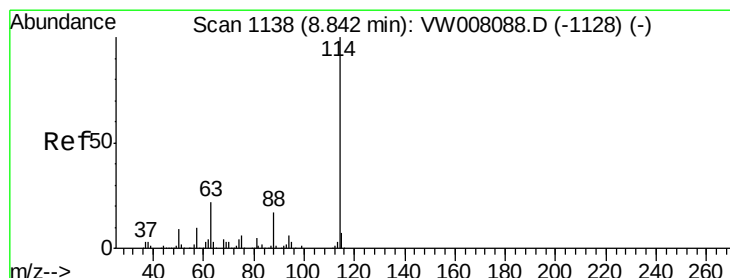
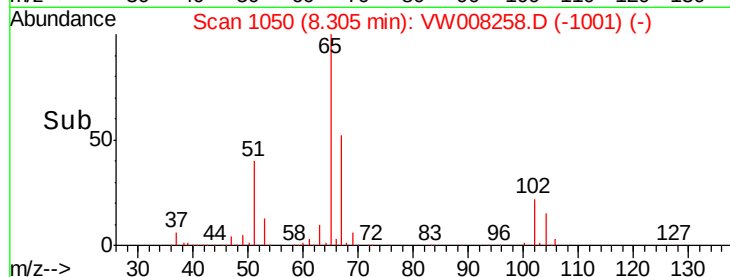
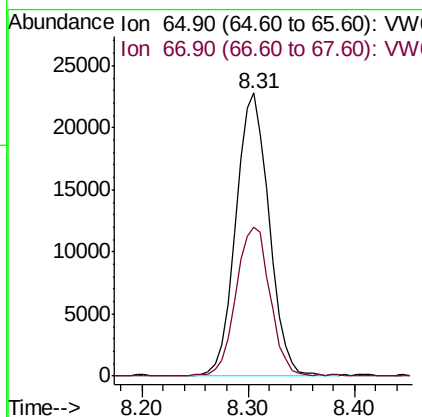
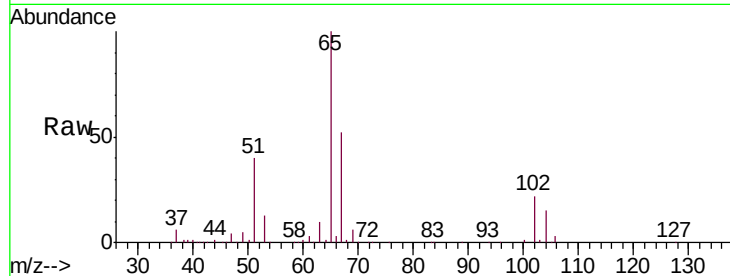




#33
 1,2-Dichloroethane-d4
 Concen: 54.368 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008258.D
 Acq: 14 Jan 2019 20:11

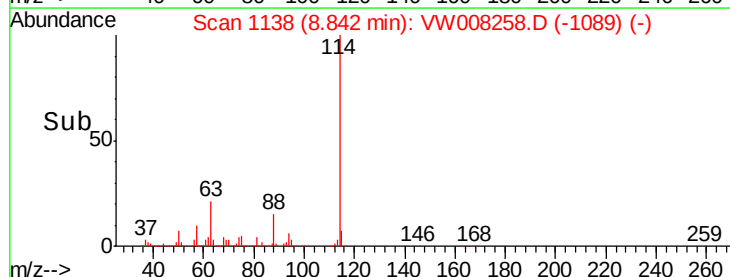
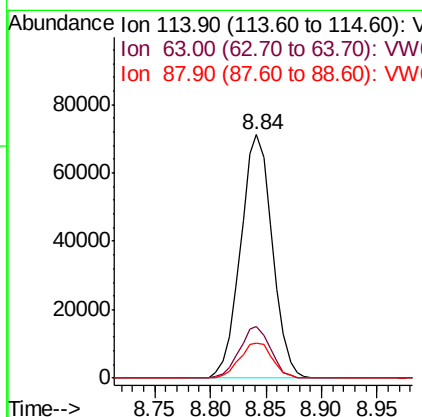
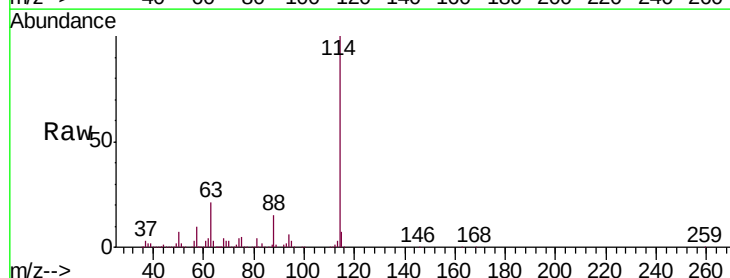
Instrument :
 MSVOA_W
 ClientSampled :
 S-1RE

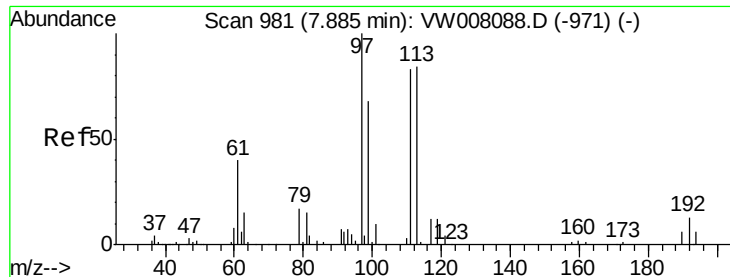
Tgt Ion: 65 Resp: 49892
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008258.D
 Acq: 14 Jan 2019 20:11

Tgt Ion: 114 Resp: 140868
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.4
 88 14.6 0.0 33.4

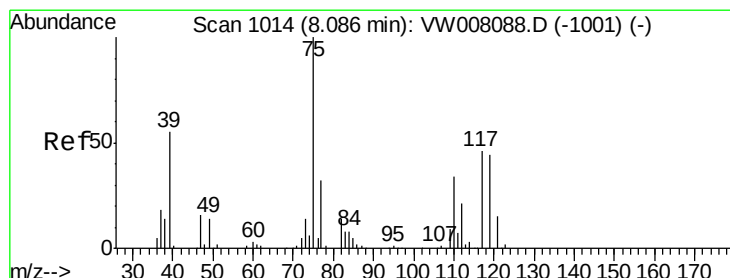
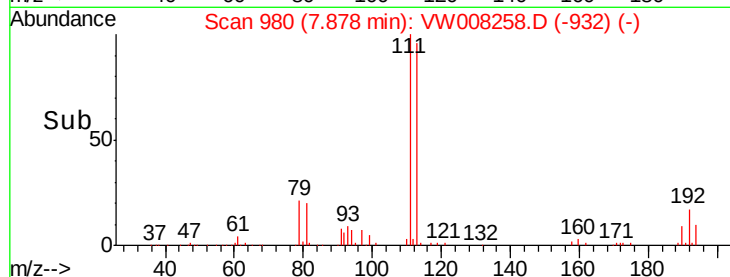
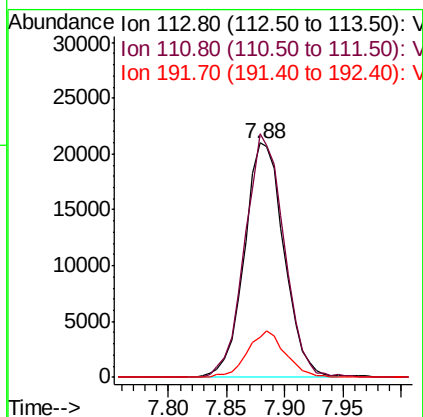
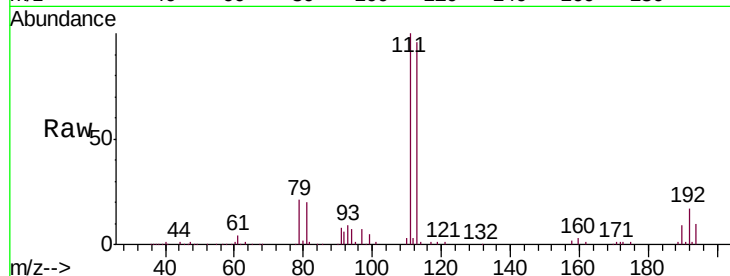




#35
 Dibromofluoromethane
 Concen: 60.311 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008258.D
 Acq: 14 Jan 2019 20:11

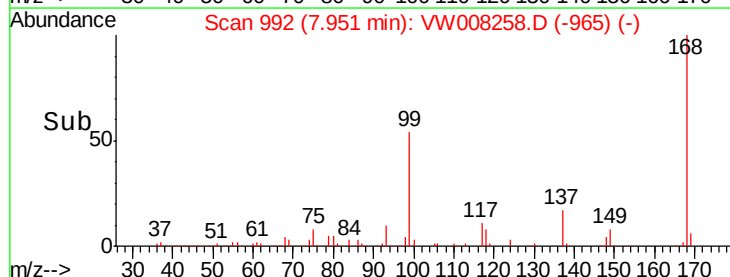
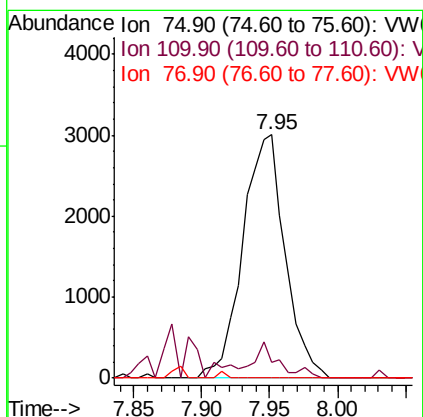
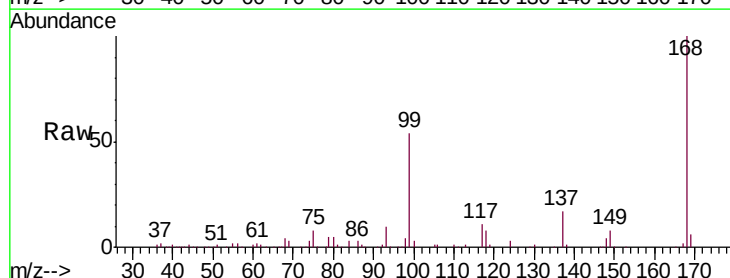
Instrument :
 MSVOA_W
 ClientSampleId :
 S-1RE

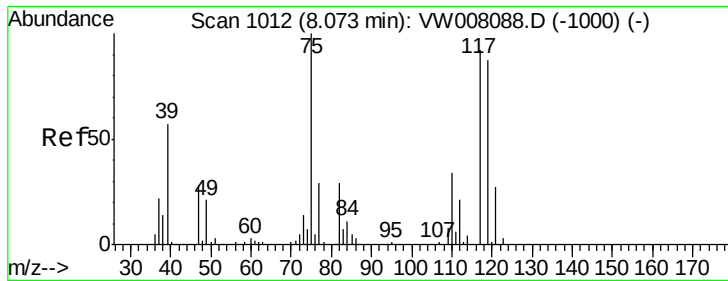
Tgt Ion: 113 Resp: 49551
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.8 122.8
 192 19.0 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.508 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW008258.D
 Acq: 14 Jan 2019 20:11

Tgt Ion: 75 Resp: 6541
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.1 51.3#
 77 0.0 25.5 38.3#

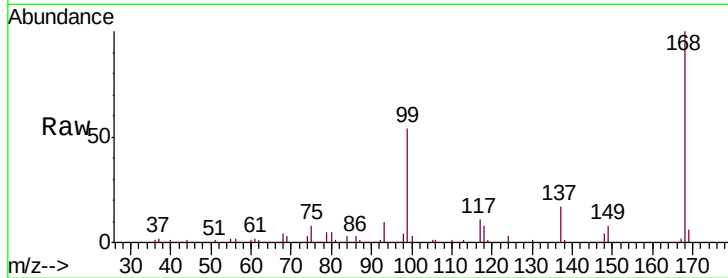




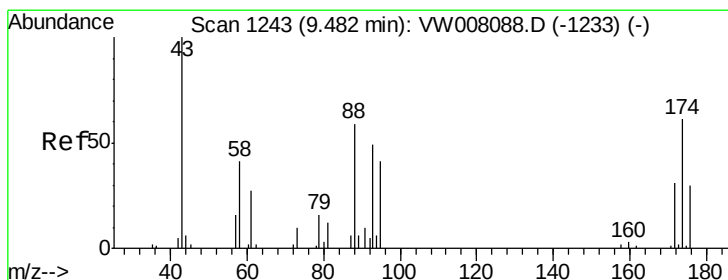
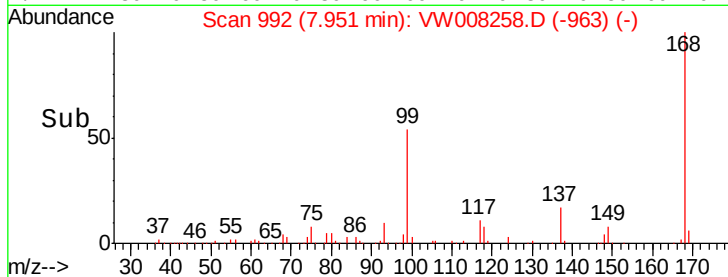
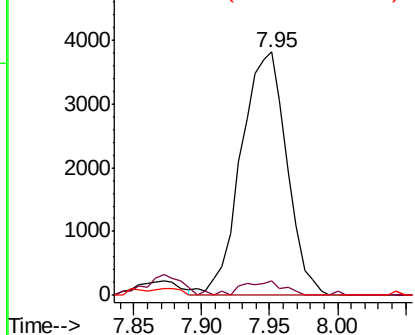
#38
Carbon Tetrachloride
Concen: 6.755 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW008258.D
Acq: 14 Jan 2019 20:11

Instrument :
MSVOA_W
ClientSampled :
S-1RE

Tgt Ion: 117 Resp: 8972
Ion Ratio Lower Upper
117 100
119 4.2 75.8 113.8#
121 0.0 23.7 35.5#

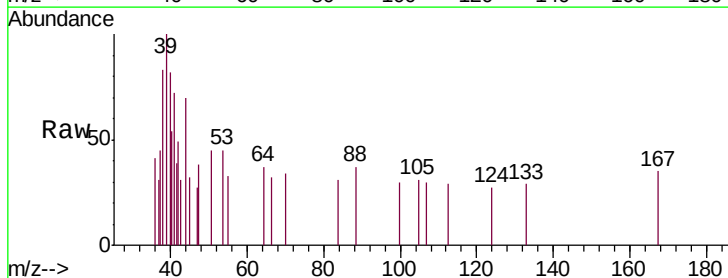


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

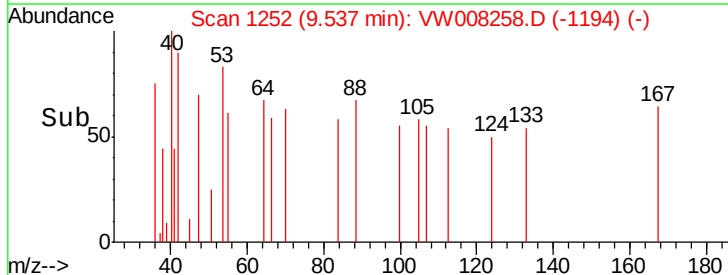
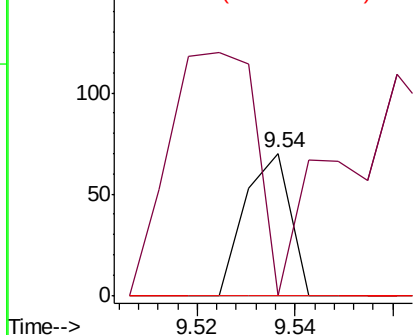


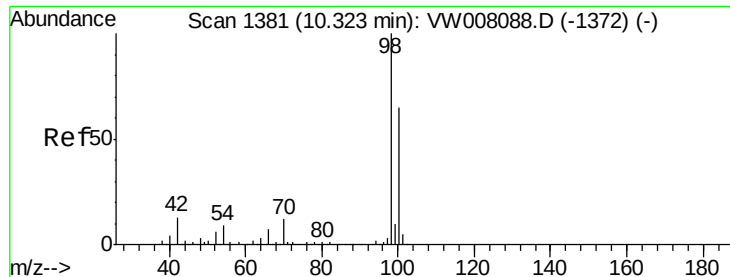
#49
1,4-Dioxane
Concen: 5.838 ug/l
RT: 9.54 min Scan# 1252
Delta R.T. 0.05 min
Lab File: VW008258.D
Acq: 14 Jan 2019 20:11

Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 328.9 0.0 0.0#
58 0.0 61.7 92.5#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

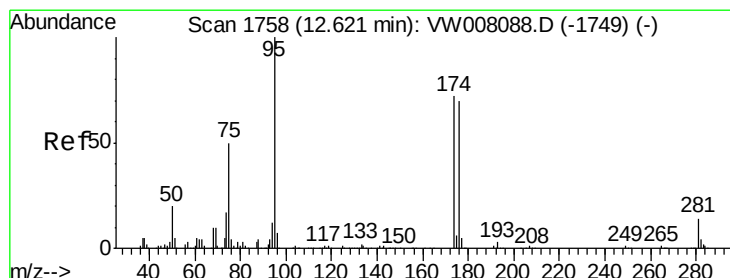
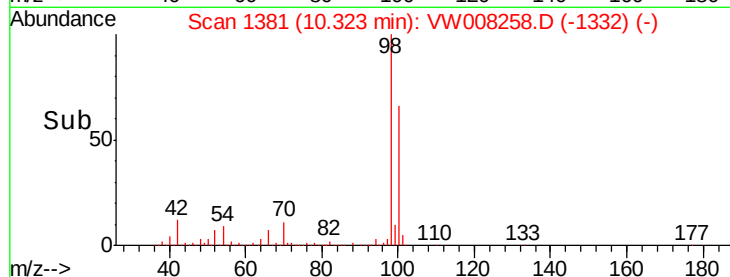
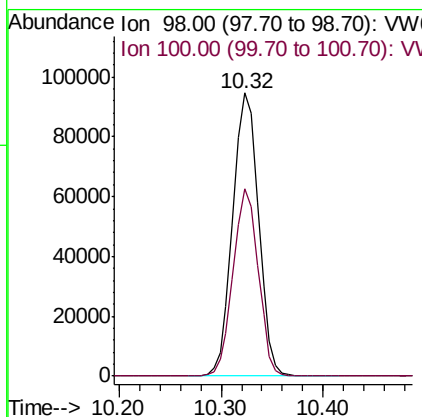
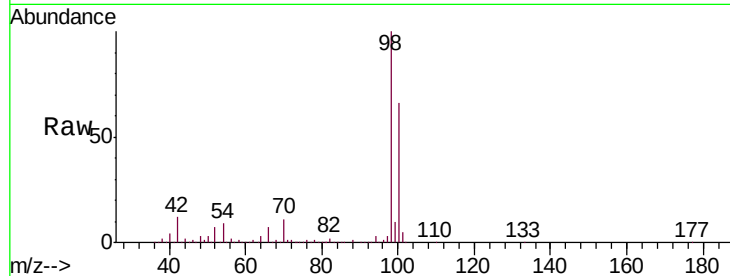




#50
Toluene-d8
Concen: 48.024 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008258.D
Acq: 14 Jan 2019 20:11

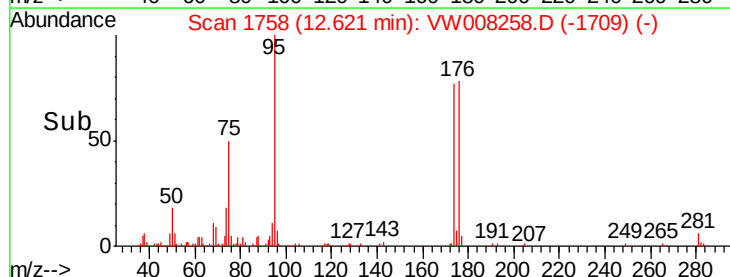
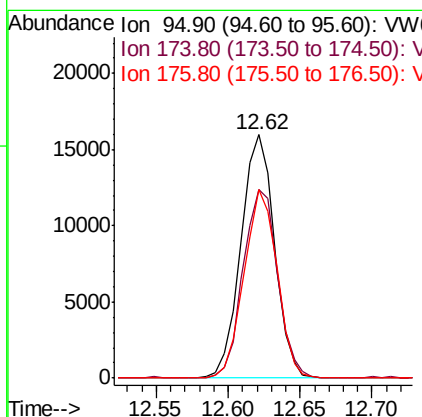
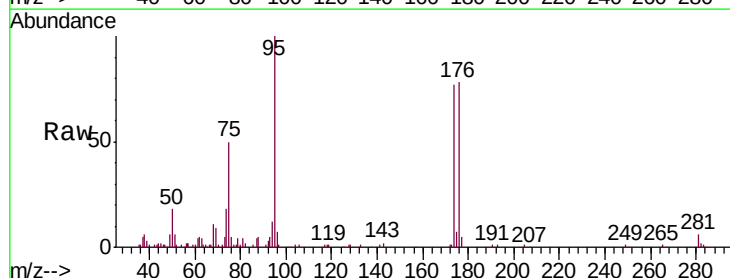
Instrument :
MSVOA_W
ClientSampled :
S-1RE

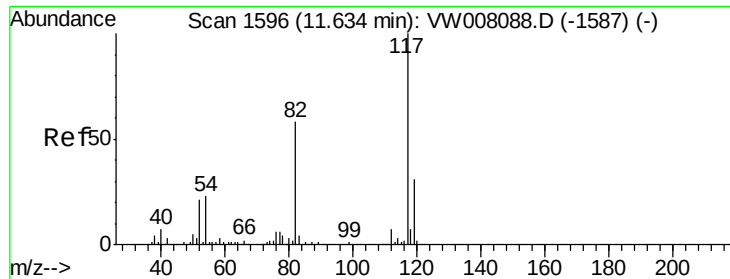
Tgt Ion: 98 Resp: 165575
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 20.853 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008258.D
Acq: 14 Jan 2019 20:11

Tgt Ion: 95 Resp: 25774
Ion Ratio Lower Upper
95 100
174 79.5 0.0 143.0
176 76.1 0.0 140.2

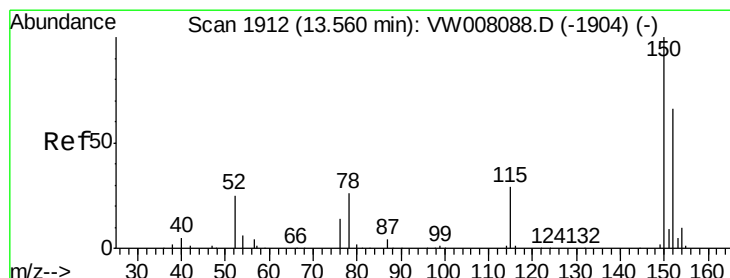
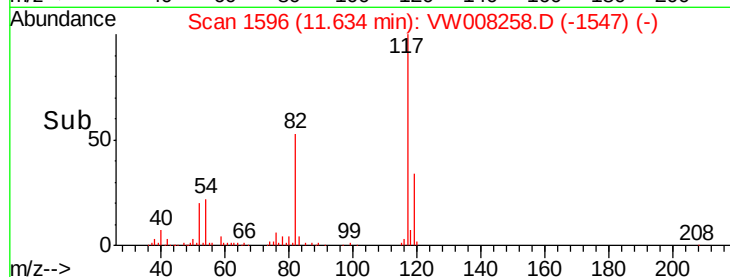
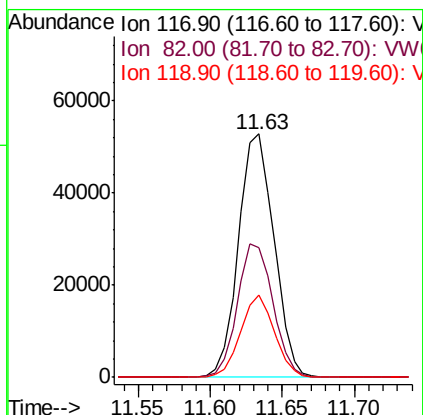
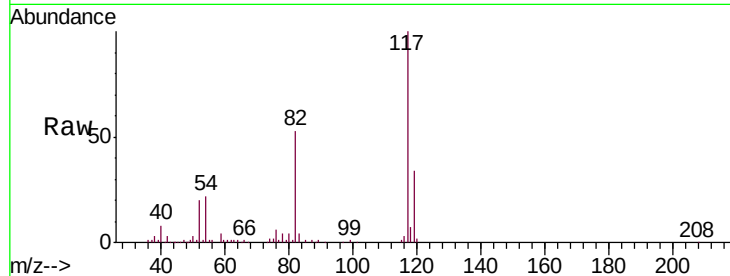




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008258.D
Acq: 14 Jan 2019 20:11

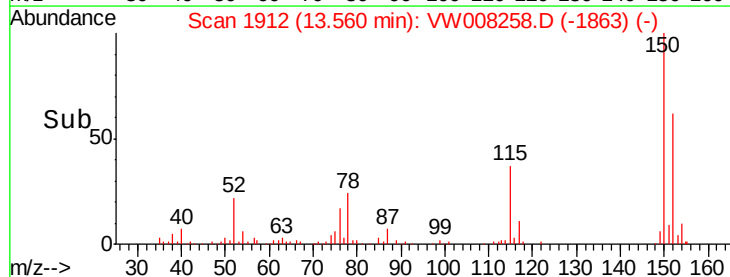
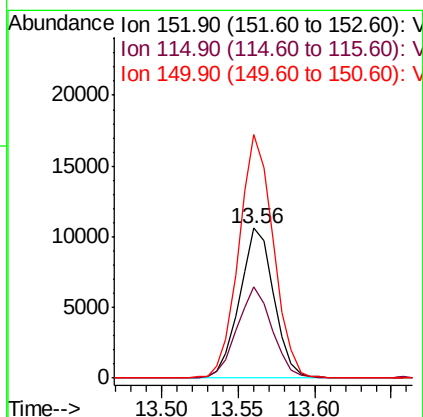
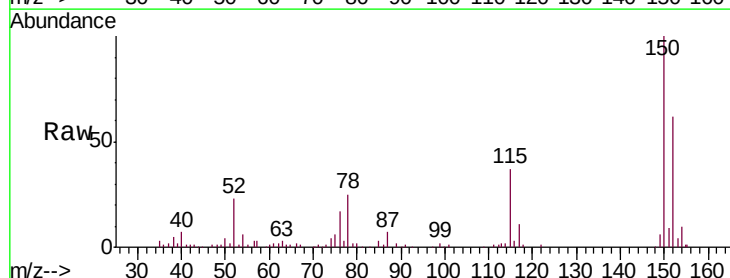
Instrument :
MSVOA_W
ClientSampleId :
S-1RE

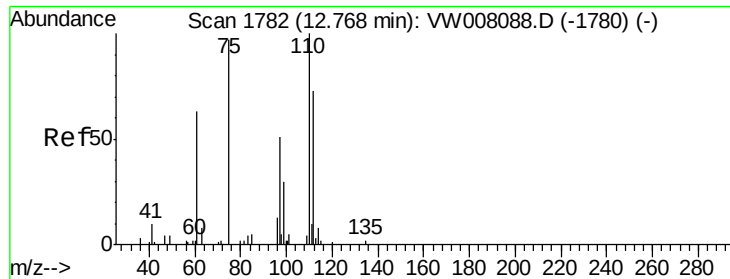
Tgt Ion:117 Resp: 90514
Ion Ratio Lower Upper
117 100
82 53.4 46.4 69.6
119 34.0 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008258.D
Acq: 14 Jan 2019 20:11

Tgt Ion:152 Resp: 16534
Ion Ratio Lower Upper
152 100
115 62.0 30.8 92.4
150 163.4 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 86.535 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008258.D

Acq: 14 Jan 2019 20:11

Instrument :

MSVOA_W

ClientSampleId :

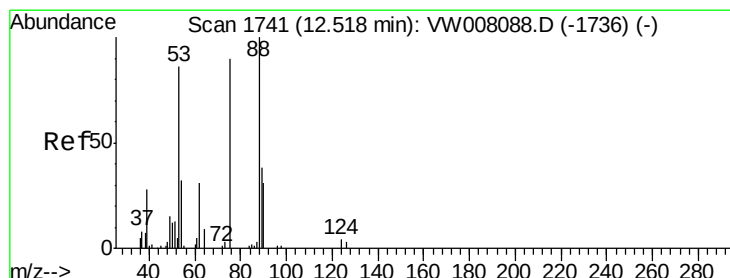
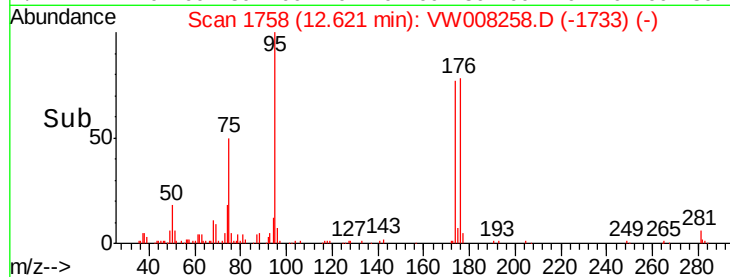
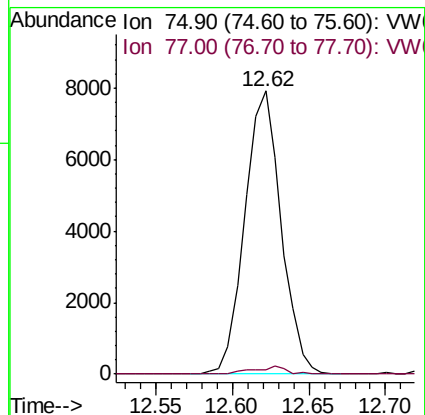
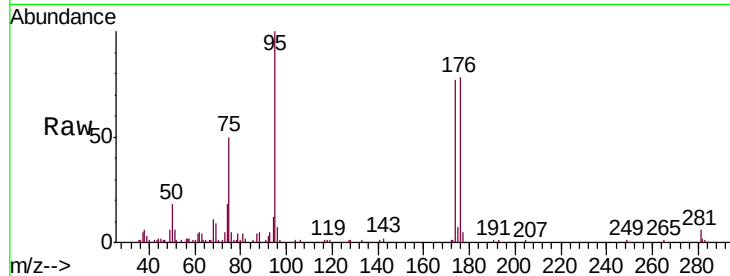
S-1RE

Tgt Ion: 75 Resp: 13043

Ion Ratio Lower Upper

75 100

77 2.4 179.4 538.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 201.513 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008258.D

Acq: 14 Jan 2019 20:11

Tgt Ion: 75 Resp: 13043

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.0 35.4 53.2#

