

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091119\
 Data File : VW012913.D
 Acq On : 11 Sep 2019 13:24
 Operator : SY/VA
 Sample : K4692-15
 Misc : 5.04G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-27-8.5-9.0

Quant Time: Sep 11 13:46:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	186318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	282512	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	237570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	101164	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	106029	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
35) Dibromofluoromethane	7.88	113	84897	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
50) Toluene-d8	10.32	98	333195	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.62	95	107112	44.84	ug/l	0.00
Spiked Amount			Recovery	=	89.68%	

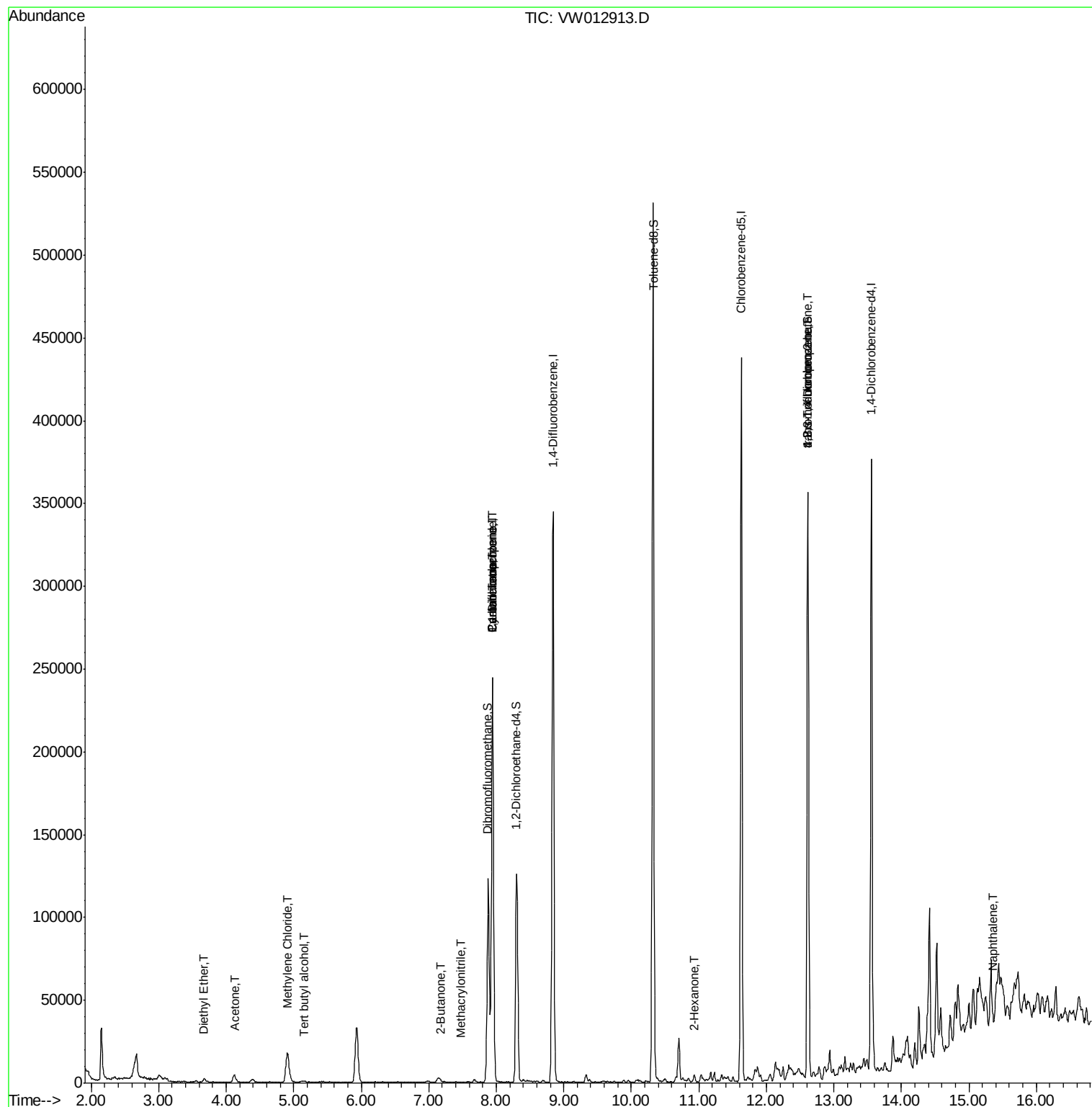
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	1150	1.317	ug/l	67
11) Tert butyl alcohol	5.15	59	390	2.449	ug/l	96
16) Acetone	4.12	43	8957	15.782	ug/l	94
20) Methylene Chloride	4.90	84	14384	8.101	ug/l	86
25) 2-Butanone	7.18	43	1372	21.193	ug/l	91
31) Cyclohexane	7.94	56	4310	1.408	ug/l #	3
36) 1,1-Dichloropropene	7.95	75	14205	5.659	ug/l #	51
38) Carbon Tetrachloride	7.95	117	17968	7.261	ug/l #	16
41) Methacrylonitrile	7.47	41	81	3.908	ug/l #	27
59) 2-Hexanone	10.94	43	1787	1.538	ug/l #	31
76) 1,2,3-Trichloropropane	12.62	75	56640	54.754	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	56640	115.808	ug/l #	6
95) Naphthalene	15.36	128	3387	5.166	ug/l #	75

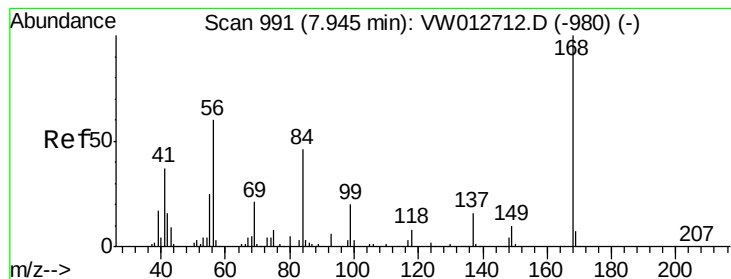
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012913.D

Acq: 11 Sep 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

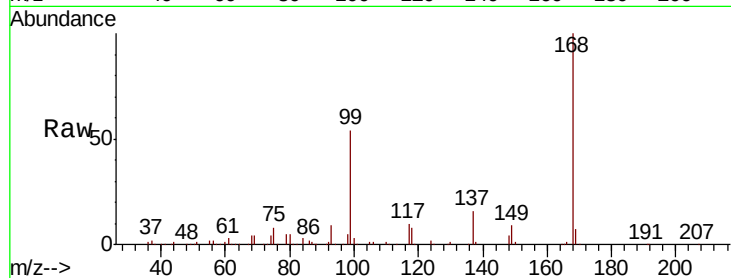
SB-27-8.5-9.0

Tgt Ion:168 Resp: 186318

Ion Ratio Lower Upper

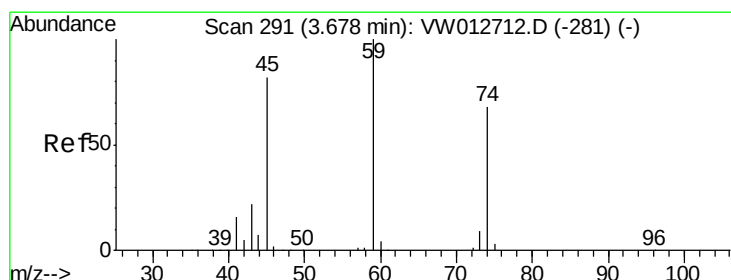
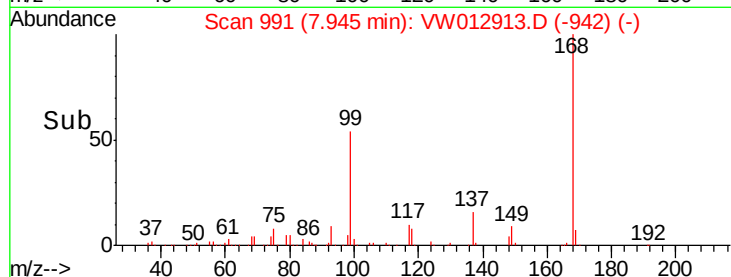
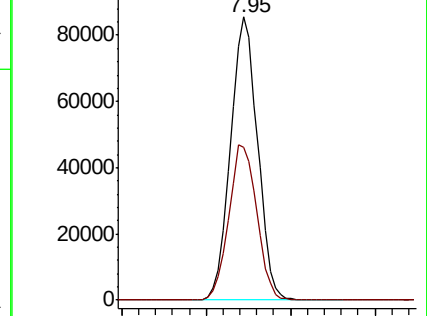
168 100

99 53.8 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.317 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012913.D

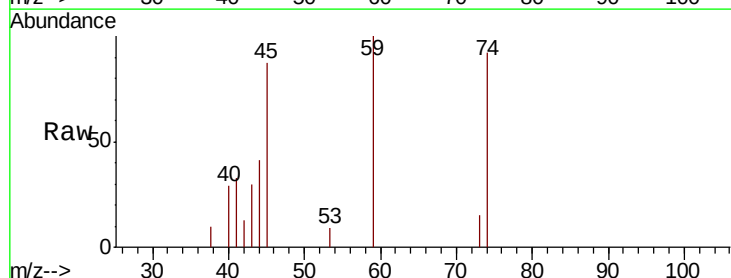
Acq: 11 Sep 2019 13:24

Tgt Ion: 74 Resp: 1150

Ion Ratio Lower Upper

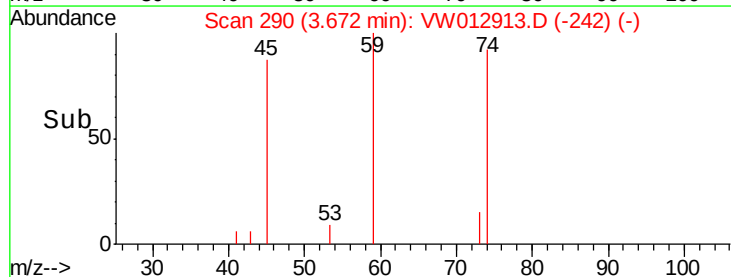
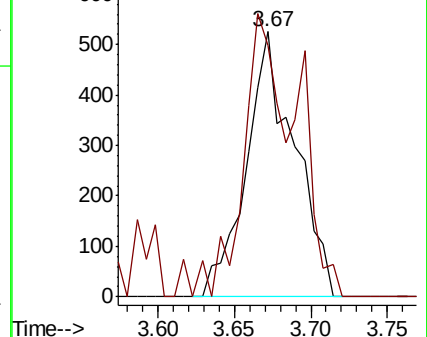
74 100

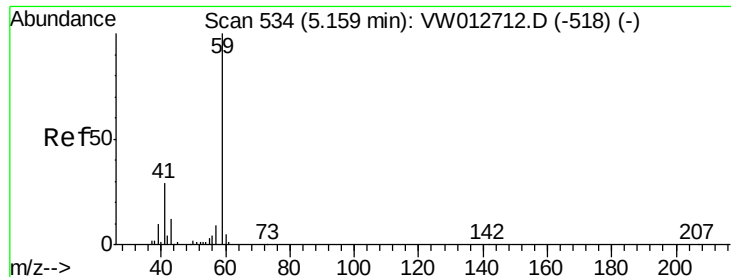
45 81.0 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

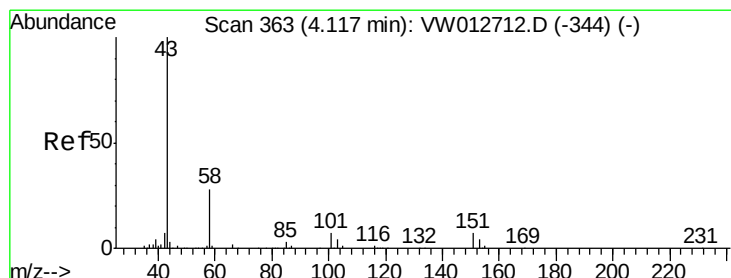
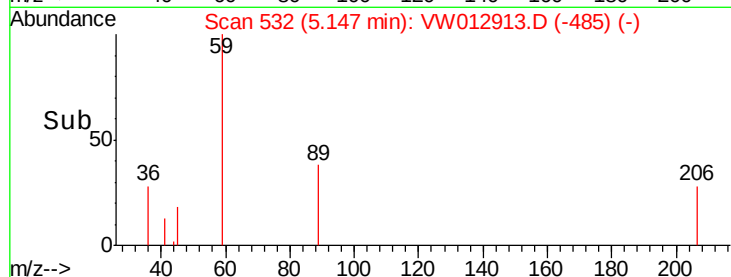
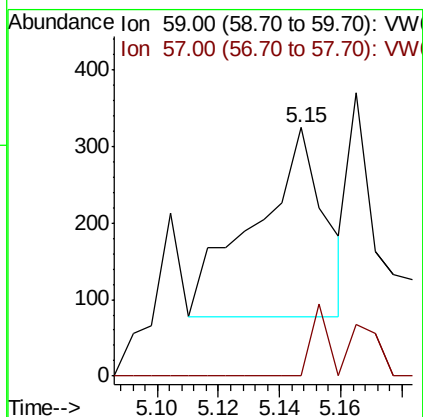
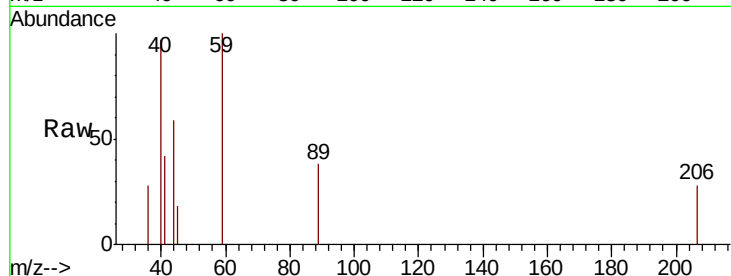




#11
Tert butyl alcohol
Concen: 2.449 ug/l
RT: 5.15 min Scan# 532
Delta R.T. -0.01 min
Lab File: VW012913.D
Acq: 11 Sep 2019 13:24

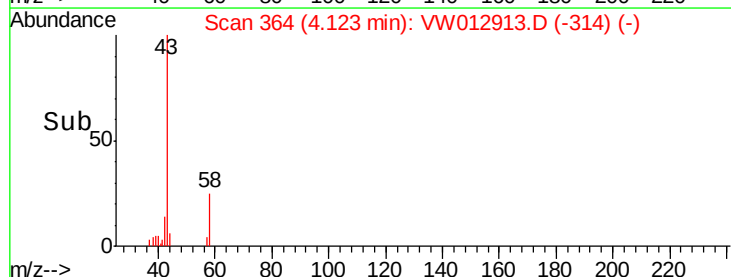
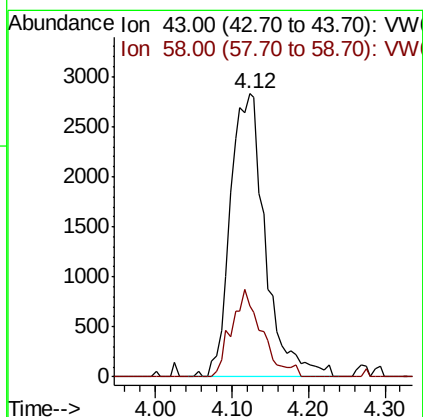
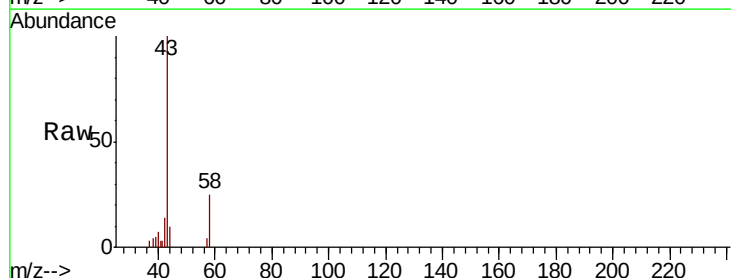
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SB-27-8.5-9.0

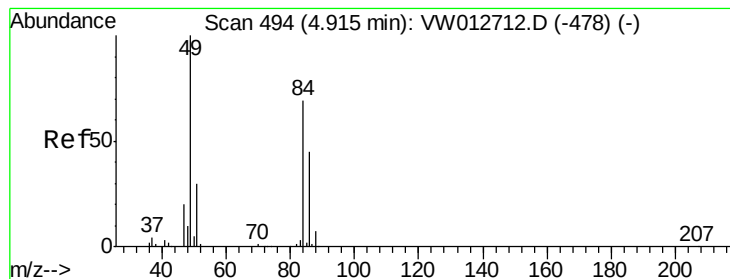
Tgt Ion: 59 Resp: 390
Ion Ratio Lower Upper
59 100
57 9.0 8.2 12.4



#16
Acetone
Concen: 15.782 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW012913.D
Acq: 11 Sep 2019 13:24

Tgt Ion: 43 Resp: 8957
Ion Ratio Lower Upper
43 100
58 25.3 22.6 33.8





#20

Methylene Chloride

Concen: 8.101 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW012913.D

Acq: 11 Sep 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

SB-27-8.5-9.0

Tgt Ion: 84 Resp: 14384

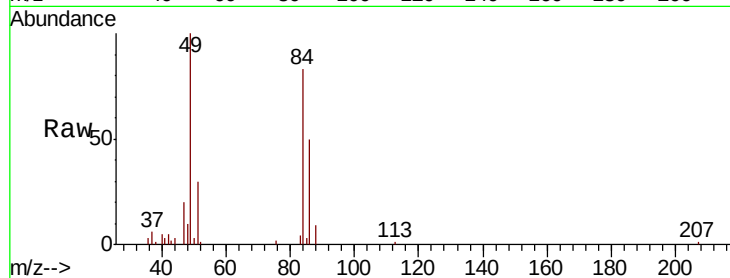
Ion Ratio Lower Upper

84 100

49 121.1 115.4 173.0

51 36.7 34.9 52.3

86 60.1 52.2 78.4



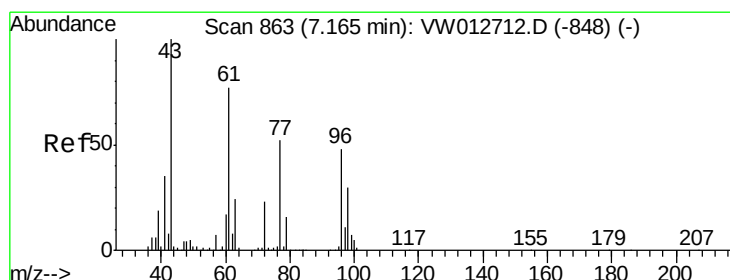
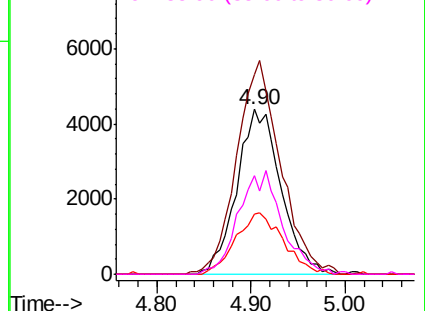
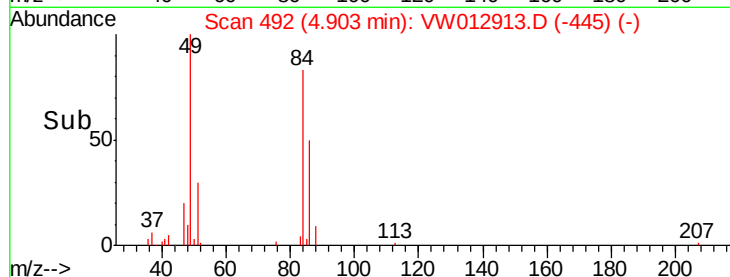
Abundance

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



#25

2-Butanone

Concen: 21.193 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW012913.D

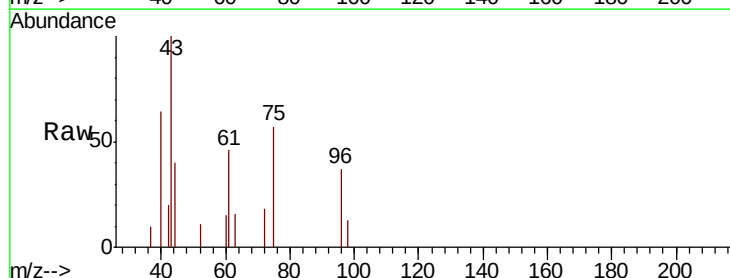
Acq: 11 Sep 2019 13:24

Tgt Ion: 43 Resp: 1372

Ion Ratio Lower Upper

43 100

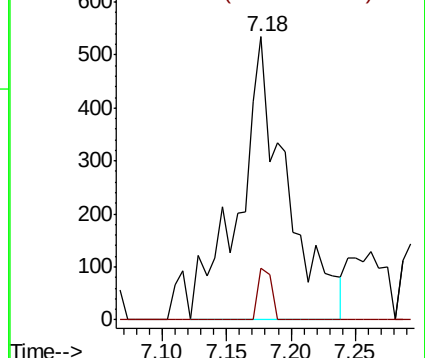
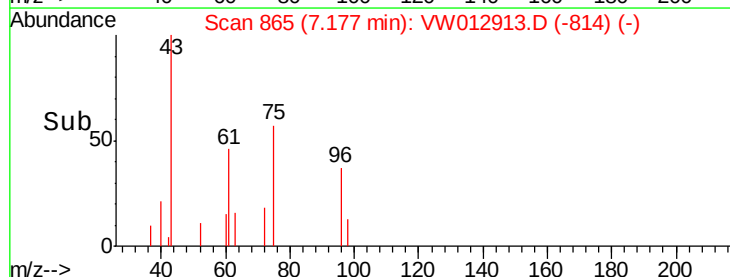
72 18.2 18.0 27.0

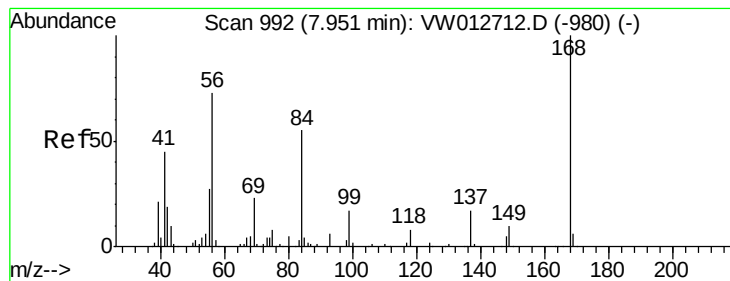


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.408 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012913.D

Acq: 11 Sep 2019 13:24

Instrument :

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ClientSampleId :

SB-27-8.5-9.0

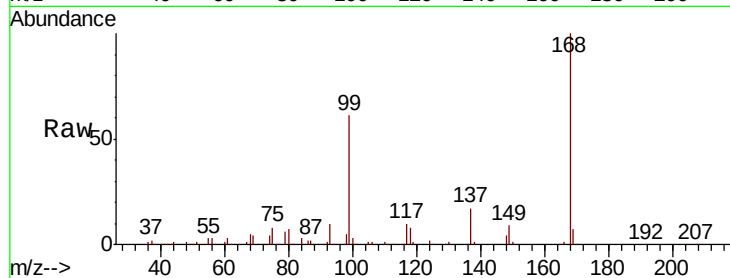
Tgt Ion: 56 Resp: 4310

Ion Ratio Lower Upper

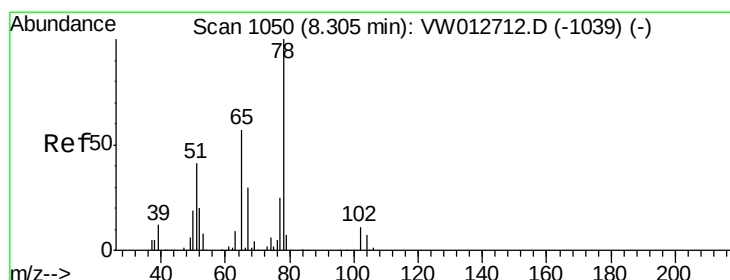
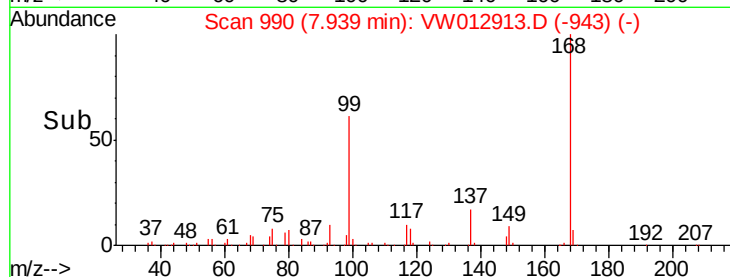
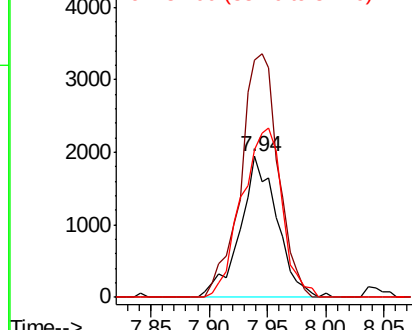
56 100

69 168.1 25.7 38.5#

84 104.6 60.4 90.6#



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: 50.932 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012913.D

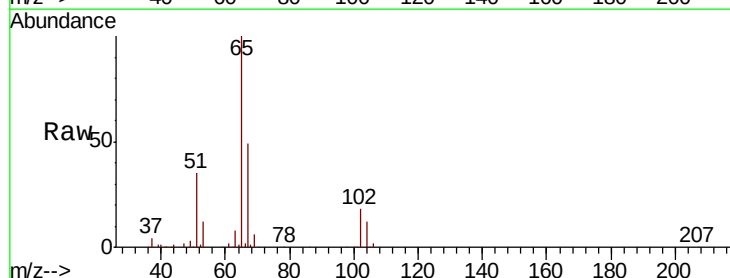
Acq: 11 Sep 2019 13:24

Tgt Ion: 65 Resp: 106029

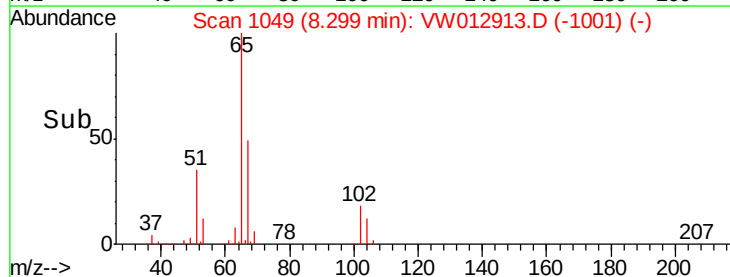
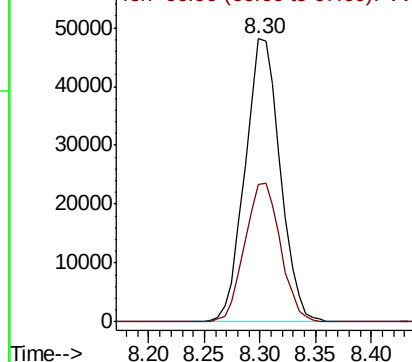
Ion Ratio Lower Upper

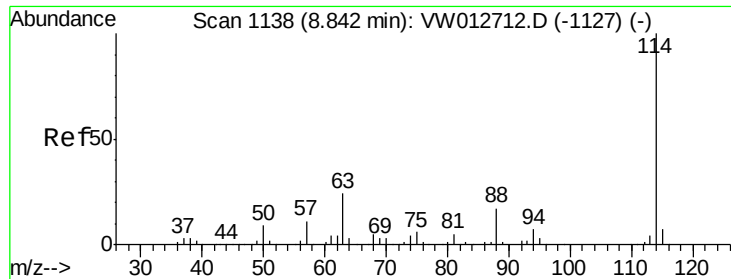
65 100

67 49.8 0.0 101.8



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

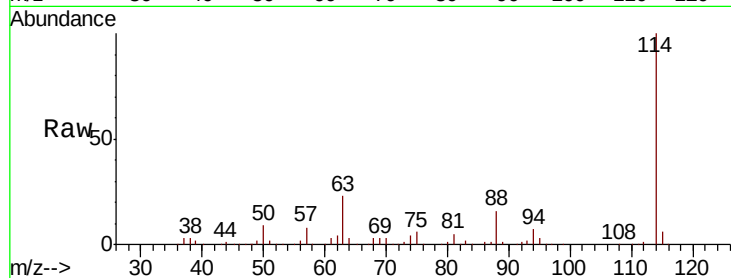




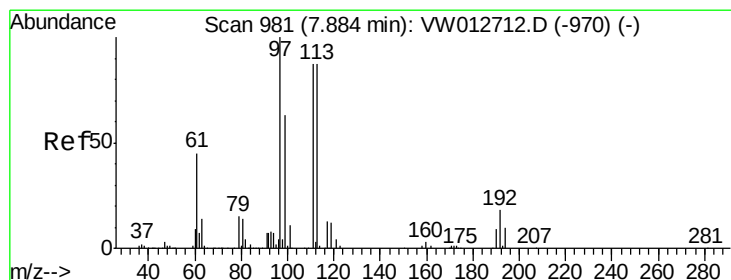
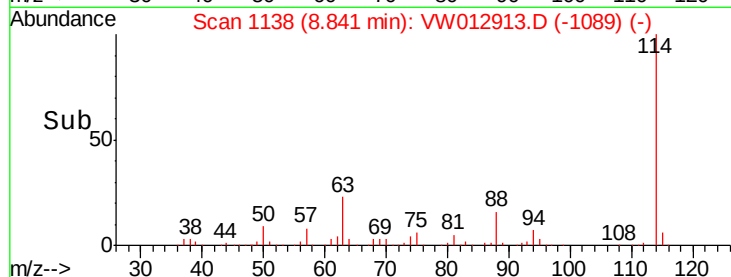
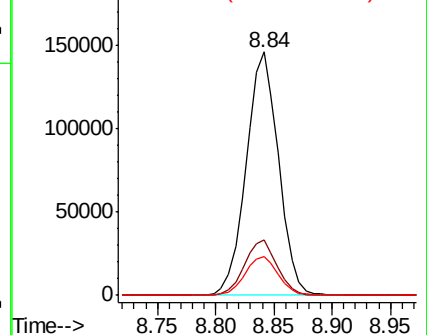
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012913.D
 Acq: 11 Sep 2019 13:24

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-27-8.5-9.0

Tgt Ion:114 Resp: 282512
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 47.2
 88 15.8 0.0 34.0

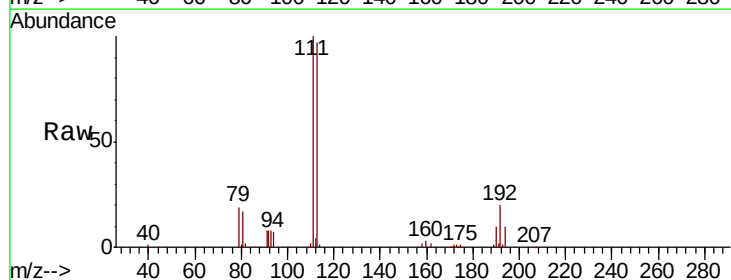


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

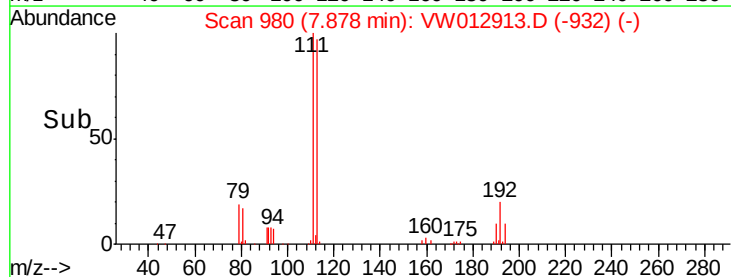
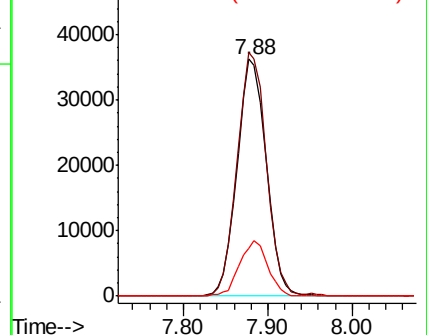


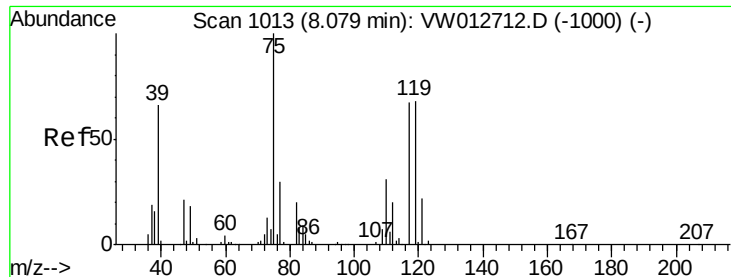
#35
 Dibromofluoromethane
 Concen: 50.546 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012913.D
 Acq: 11 Sep 2019 13:24

Tgt Ion:113 Resp: 84897
 Ion Ratio Lower Upper
 113 100
 111 102.3 80.2 120.4
 192 22.4 17.3 25.9



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: 5.659 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012913.D

Acq: 11 Sep 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

SB-27-8.5-9.0

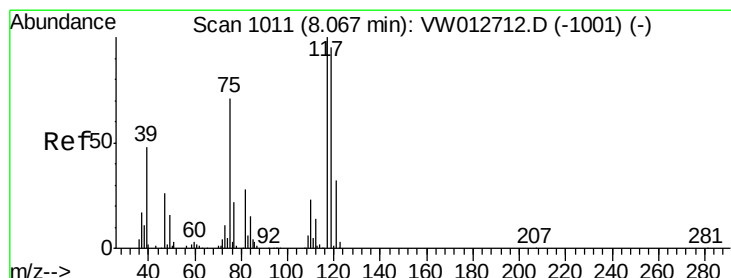
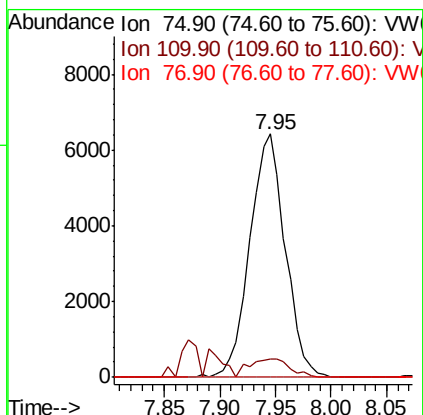
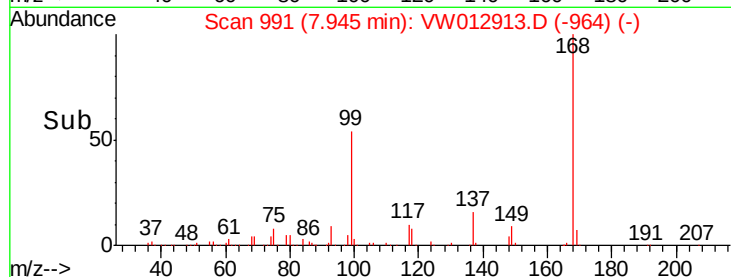
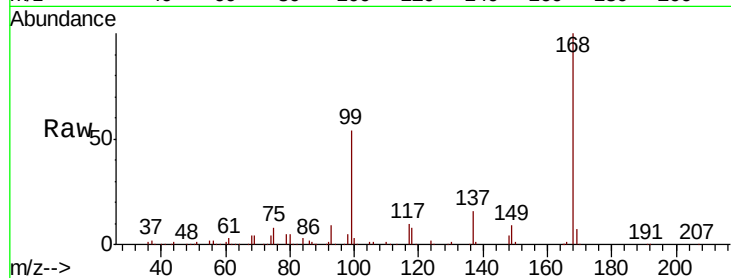
Tgt Ion: 75 Resp: 14205

Ion Ratio Lower Upper

75 100

110 8.8 15.9 47.7#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 7.261 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012913.D

Acq: 11 Sep 2019 13:24

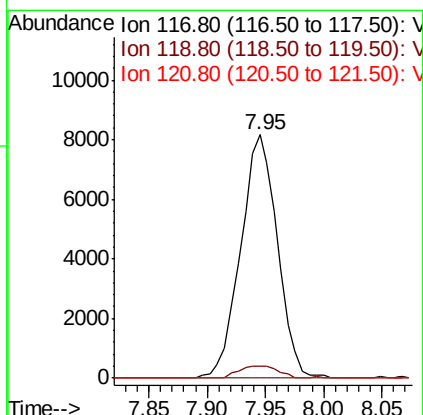
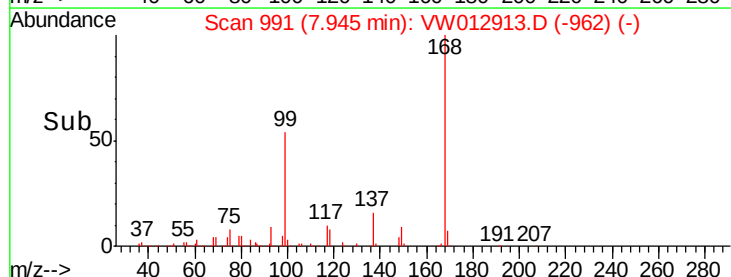
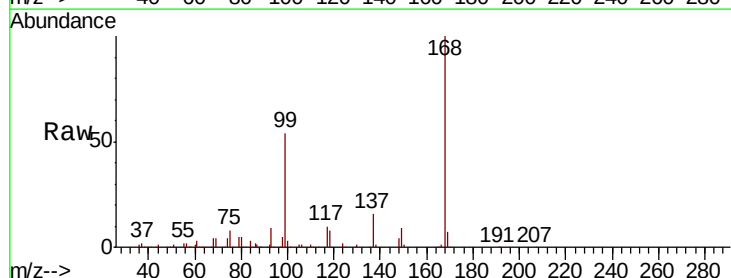
Tgt Ion: 117 Resp: 17968

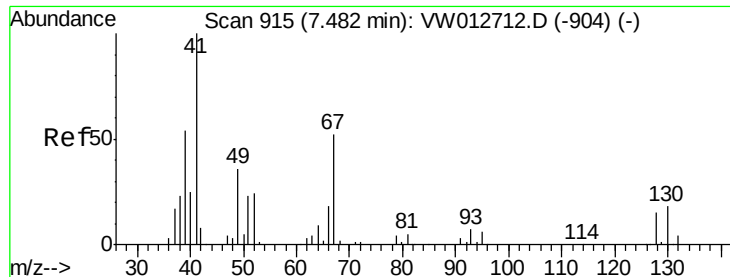
Ion Ratio Lower Upper

117 100

119 4.7 76.2 114.2#

121 0.0 25.4 38.2#

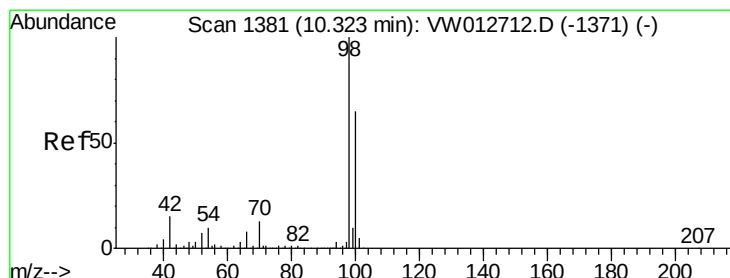
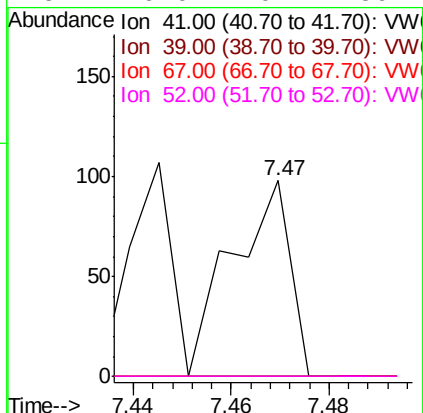
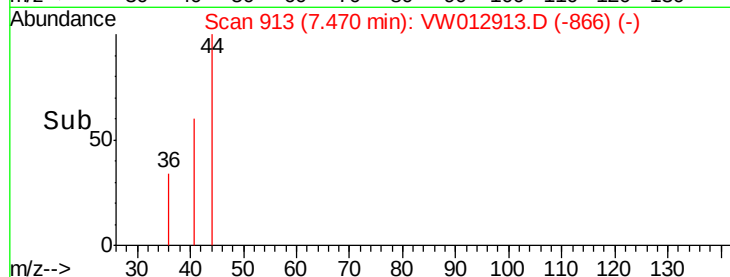
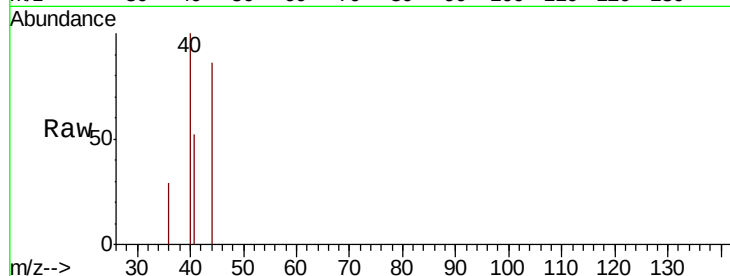




#41
Methacrylonitrile
Concen: 3.908 ug/l
RT: 7.47 min Scan# 913
Delta R.T. -0.01 min
Lab File: VW012913.D
Acq: 11 Sep 2019 13:24

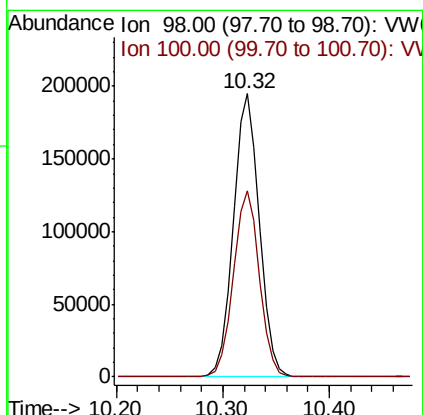
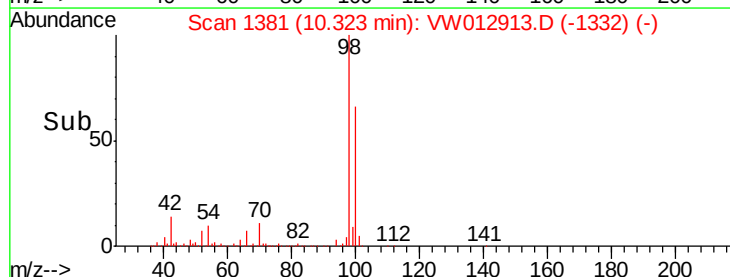
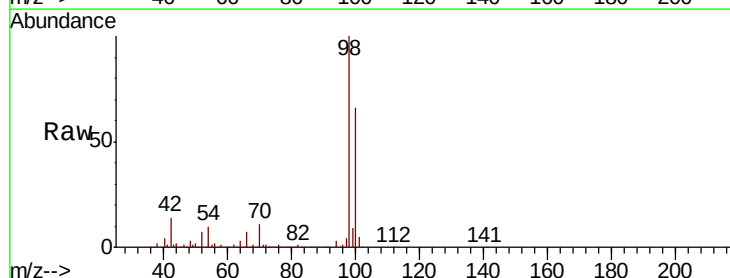
Instrument :
MSVOA_W
ClientSampleId :
SB-27-8.5-9.0

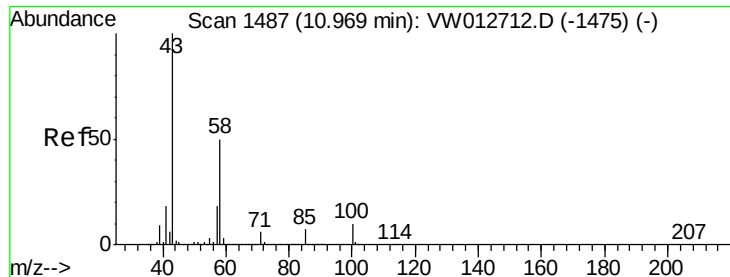
Tgt Ion:	41	Resp:	81
Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.5	71.3#
67	0.0	45.1	67.7#
52	0.0	20.2	30.2#



#50
Toluene-d8
Concen: 50.635 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012913.D
Acq: 11 Sep 2019 13:24

Tgt Ion:	98	Resp:	333195
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.4





#59

2-Hexanone

Concen: 1.538 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.03 min

Lab File: VW012913.D

Acq: 11 Sep 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

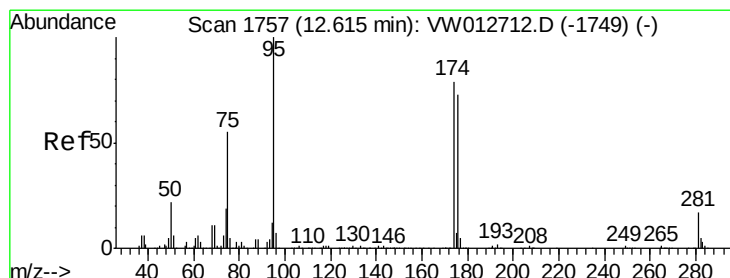
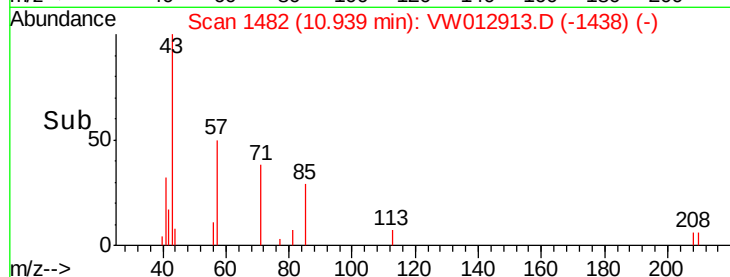
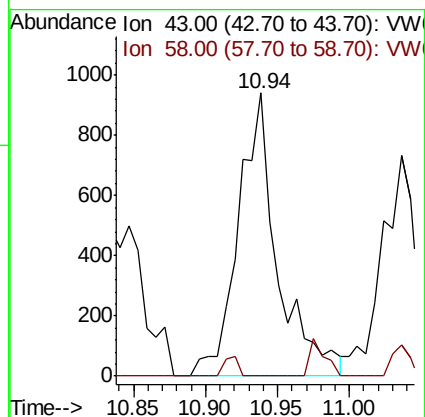
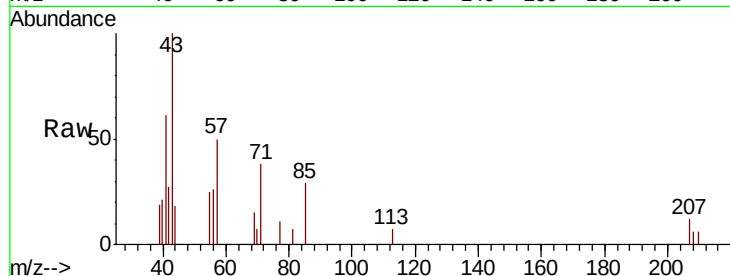
SB-27-8.5-9.0

Tgt Ion: 43 Resp: 1787

Ion Ratio Lower Upper

43 100

58 2.5 24.7 74.1#



#62

4-Bromofluorobenzene

Concen: 44.838 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012913.D

Acq: 11 Sep 2019 13:24

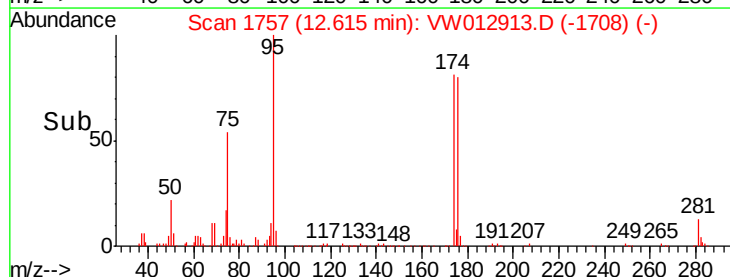
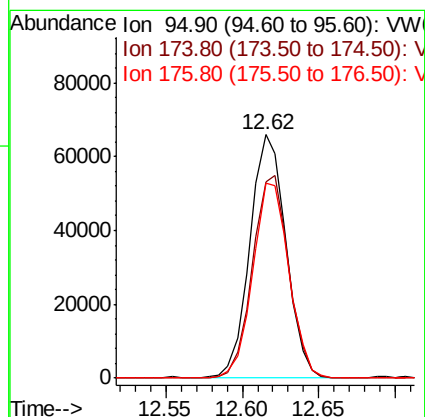
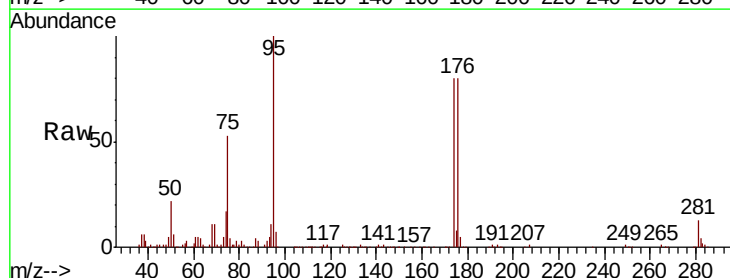
Tgt Ion: 95 Resp: 107112

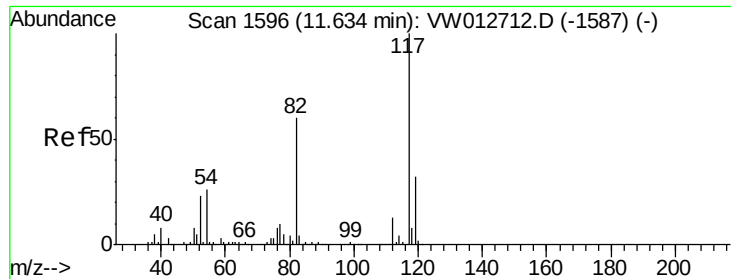
Ion Ratio Lower Upper

95 100

174 84.4 0.0 161.0

176 81.4 0.0 156.4

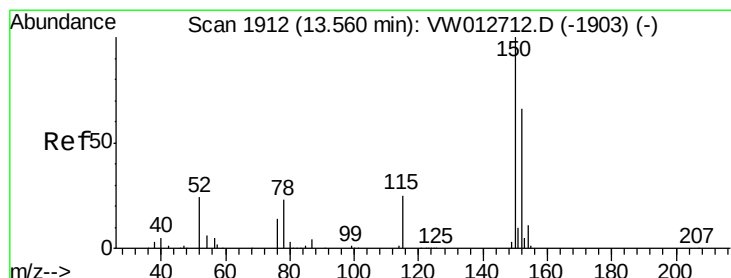
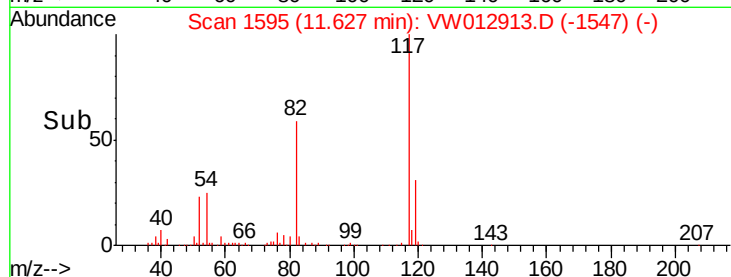
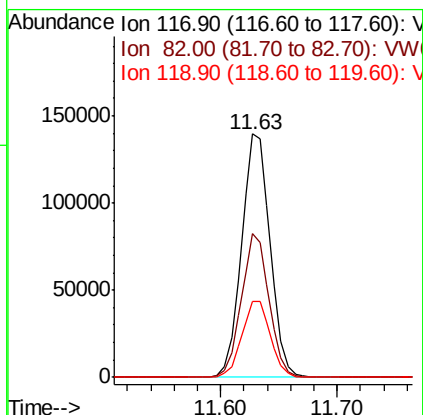
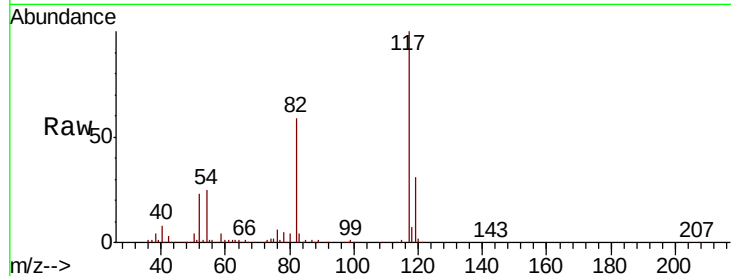




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012913.D
Acq: 11 Sep 2019 13:24

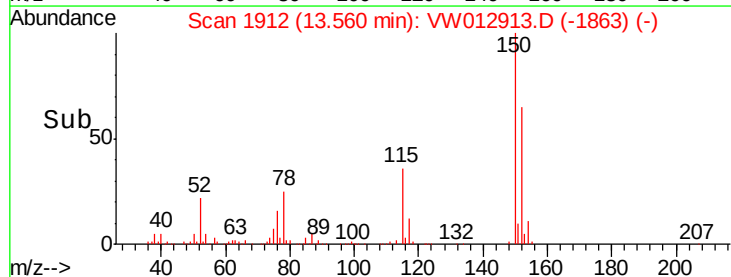
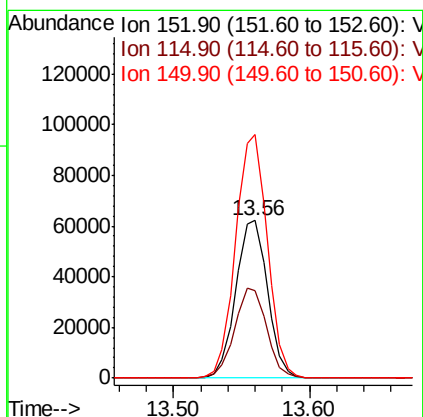
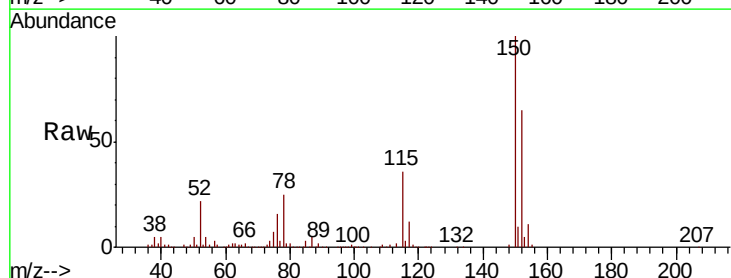
Instrument :
MSVOA_W
ClientSampleId :
SB-27-8.5-9.0

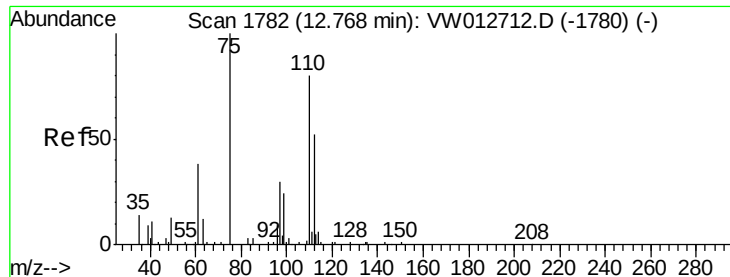
Tgt Ion:117 Resp: 237570
Ion Ratio Lower Upper
117 100
82 59.0 48.2 72.4
119 31.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012913.D
Acq: 11 Sep 2019 13:24

Tgt Ion:152 Resp: 101164
Ion Ratio Lower Upper
152 100
115 58.1 30.0 90.1
150 154.6 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 54.754 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012913.D

Acq: 11 Sep 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

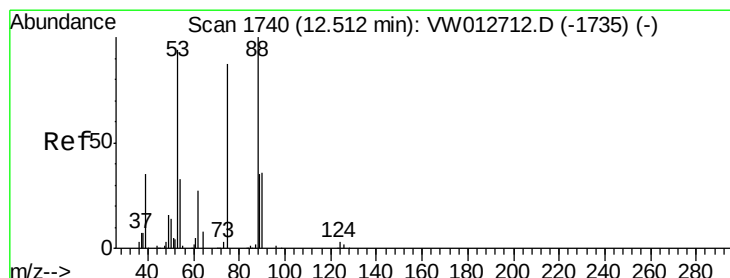
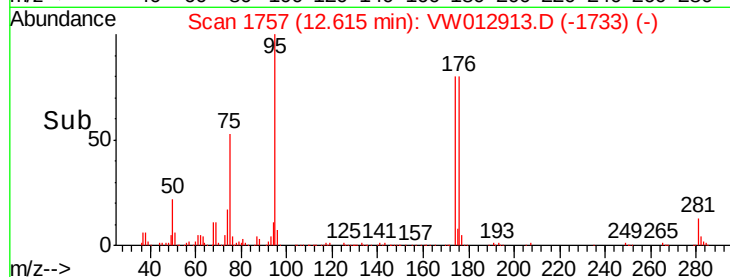
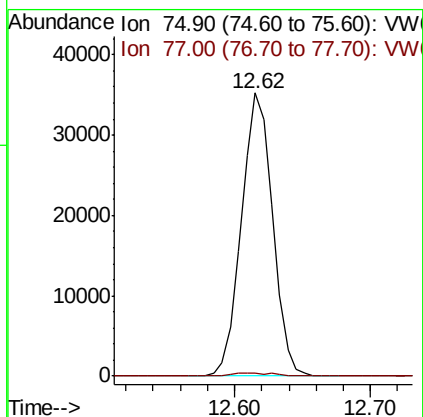
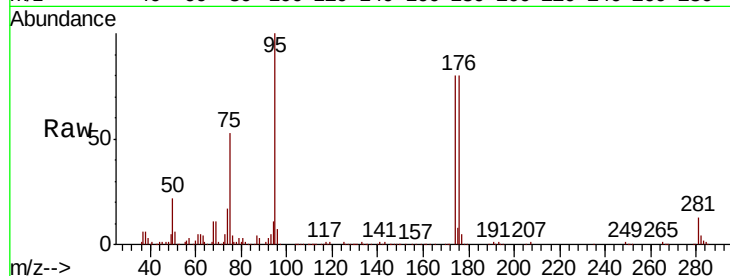
SB-27-8.5-9.0

Tgt Ion: 75 Resp: 56640

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 115.808 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012913.D

Acq: 11 Sep 2019 13:24

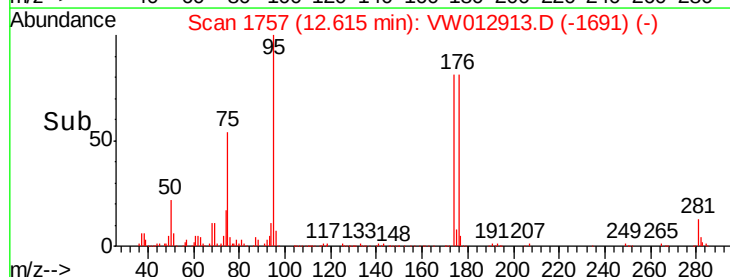
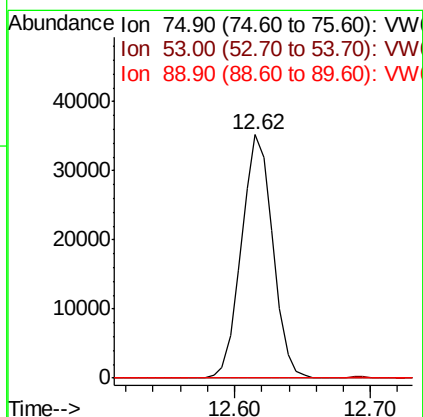
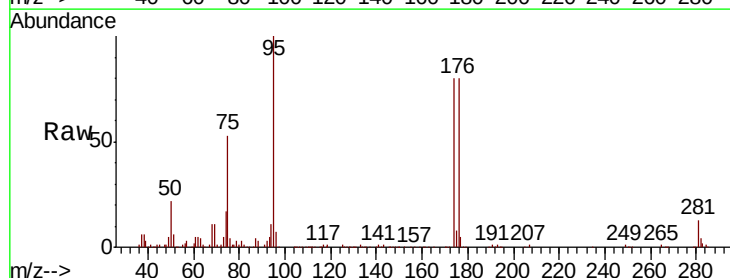
Tgt Ion: 75 Resp: 56640

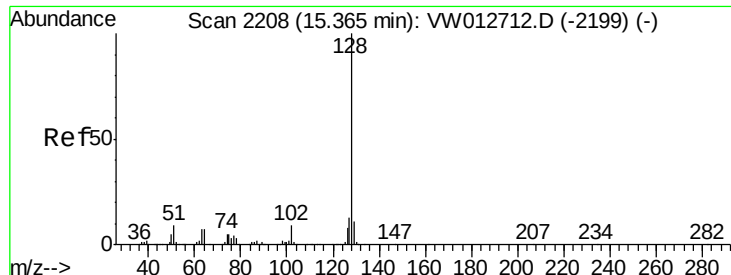
Ion Ratio Lower Upper

75 100

53 0.2 87.6 131.4#

89 0.0 35.5 53.3#





#95
Naphthalene
Concen: 5.166 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012913.D
Acq: 11 Sep 2019 13:24

Instrument :
MSVOA_W
ClientSampleId :
SB-27-8.5-9.0

Tgt Ion:128 Resp: 3387
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 16.1 8.7 13.1#

