

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012262.D
 Acq On : 28 Aug 2019 18:41
 Operator : SY/VA
 Sample : K4510-05
 Misc : 5.09G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-42-9.5-10.0

Quant Time: Aug 29 06:48:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	12064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	17339	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	12177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1942	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	6716	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
35) Dibromofluoromethane	7.89	113	5529	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	
50) Toluene-d8	10.32	98	20054	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
62) 4-Bromofluorobenzene	12.62	95	3128	21.15	ug/l	0.00
Spiked Amount			Recovery	=	42.30%	

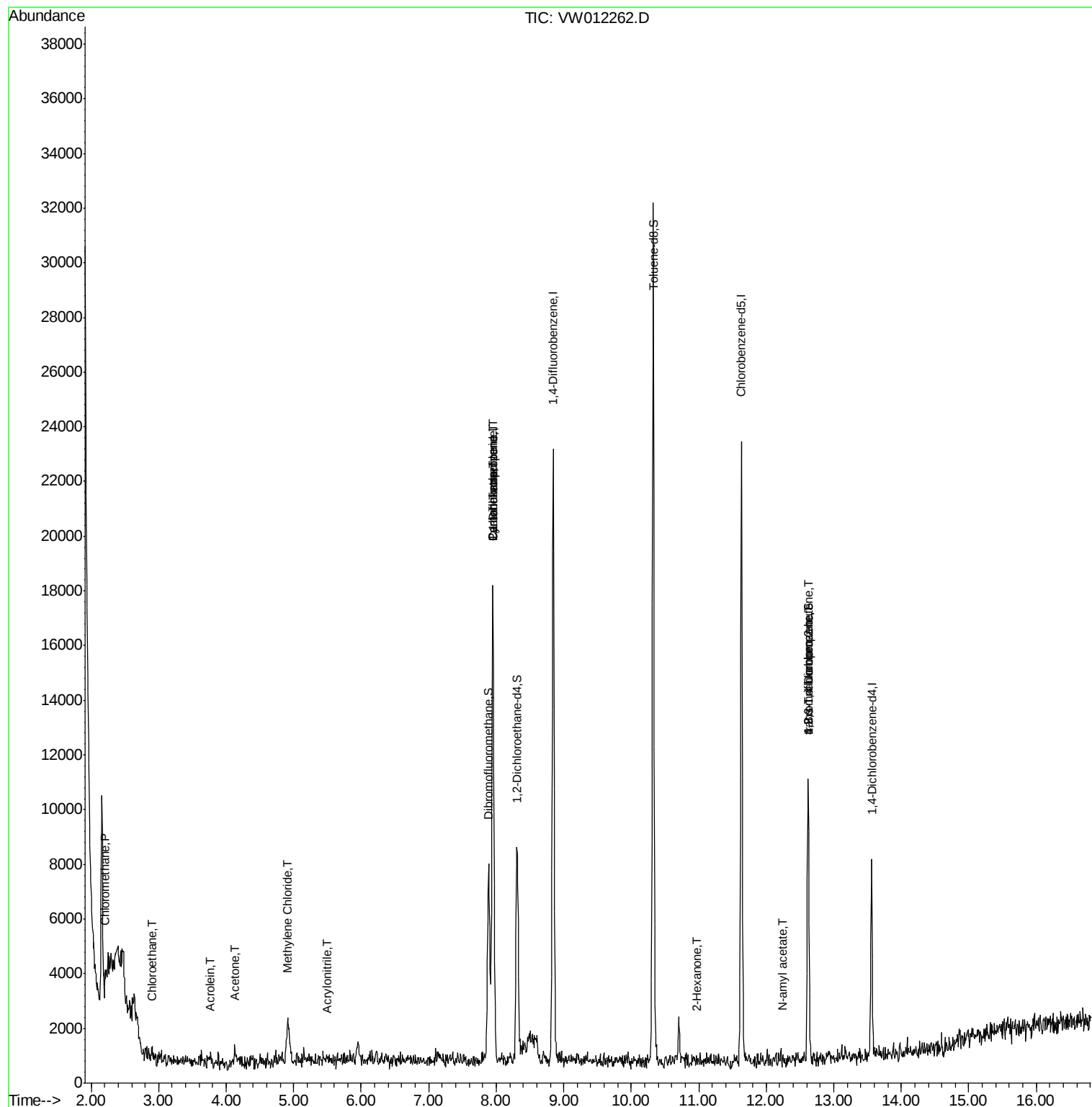
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	234	2.033	ug/l #	83
6) Chloroethane	2.90	64	121	1.523	ug/l #	45
13) Acrolein	3.76	56	39	4.801	ug/l #	15
15) Acrylonitrile	5.49	53	41	1.232	ug/l #	3
16) Acetone	4.12	43	635	17.322	ug/l #	47
20) Methylene Chloride	4.92	84	888	6.408	ug/l #	70
31) Cyclohexane	7.95	56	303	1.173	ug/l #	49
36) 1,1-Dichloropropene	7.95	75	1194	6.664	ug/l #	55
38) Carbon Tetrachloride	7.95	117	1309	8.441	ug/l #	12
59) 2-Hexanone	10.97	43	67	1.024	ug/l #	28
74) N-amyl acetate	12.24	43	44	1.001	ug/l #	43
76) 1,2,3-Trichloropropane	12.62	75	1856	98.130	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	1856	215.154	ug/l #	6

(#) = 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. 0.01 min

Lab File: VW012262.D

Acq: 28 Aug 2019 18:41

Instrument :

MSVOA_W

ClientSampleId :

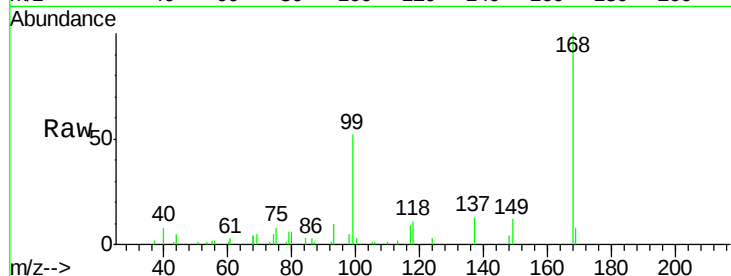
SB-42-9.5-10.0

Tot Ion:168 Resp: 12064

Ion Ratio Lower Upper

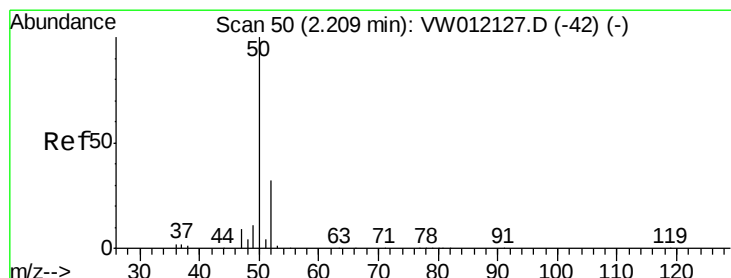
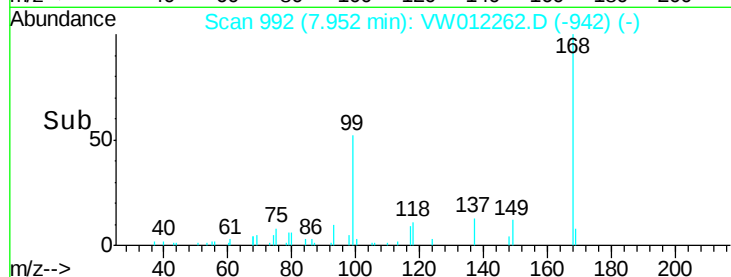
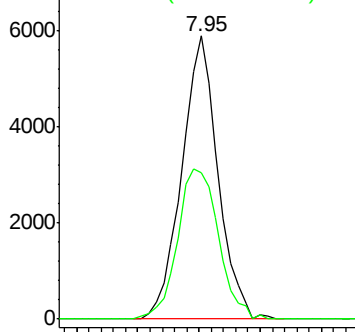
168 100

99 51.5 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 2.033 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012262.D

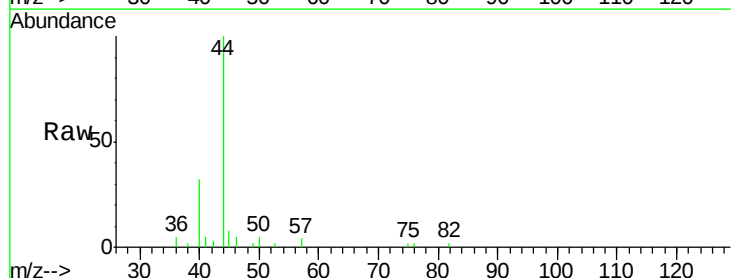
Acq: 28 Aug 2019 18:41

Tgt Ion: 50 Resp: 234

Ion Ratio Lower Upper

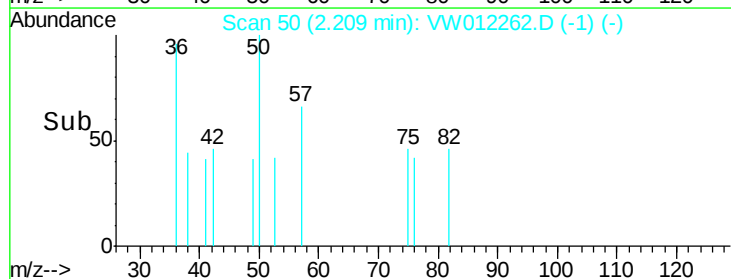
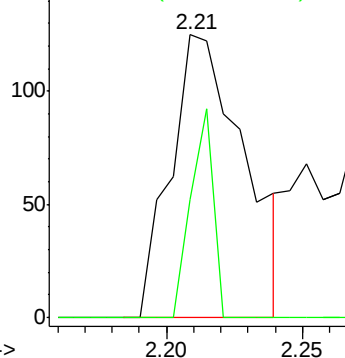
50 100

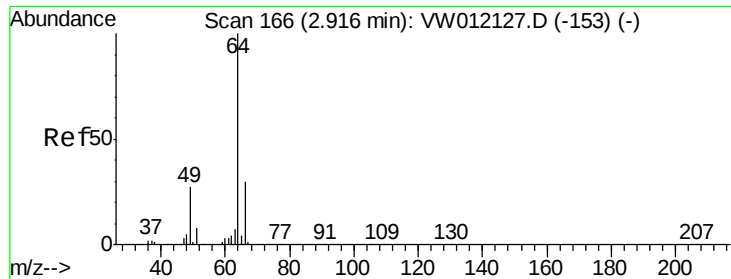
52 41.6 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#6

Chloroethane

Concen: 1.523 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW012262.D

Acq: 28 Aug 2019 18:41

Instrument :

MSVOA_W

ClientSampled :

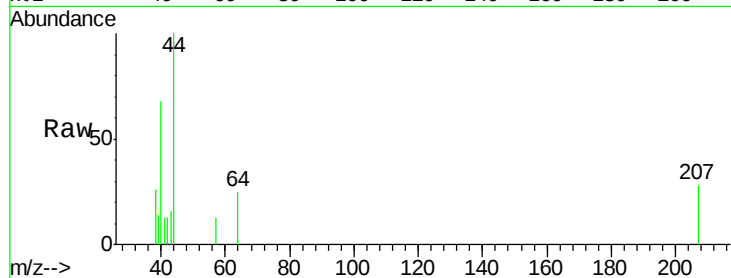
SB-42-9.5-10.0

Tot Ion: 64 Resp: 121

Ion Ratio Lower Upper

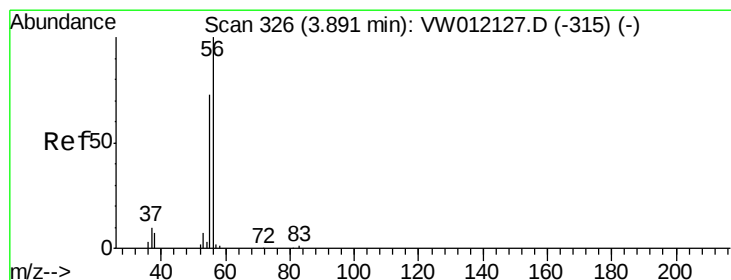
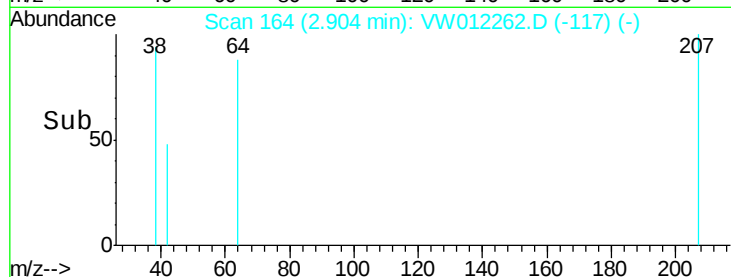
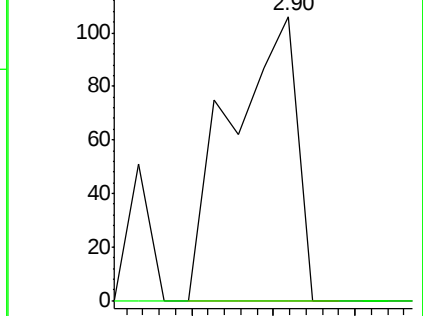
64 100

66 0.0 23.8 35.8#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



#13

Acrolein

Concen: 4.801 ug/l

RT: 3.76 min Scan# 304

Delta R.T. -0.13 min

Lab File: VW012262.D

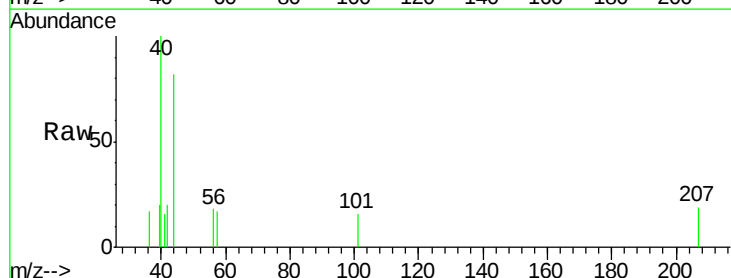
Acq: 28 Aug 2019 18:41

Tgt Ion: 56 Resp: 39

Ion Ratio Lower Upper

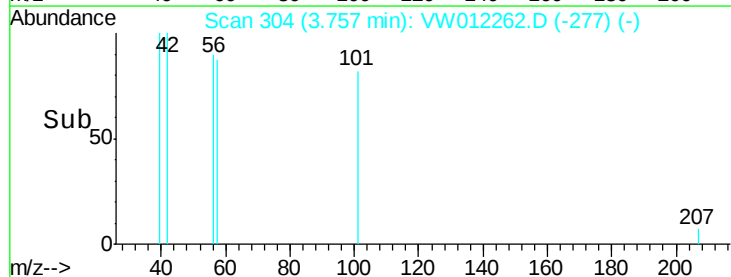
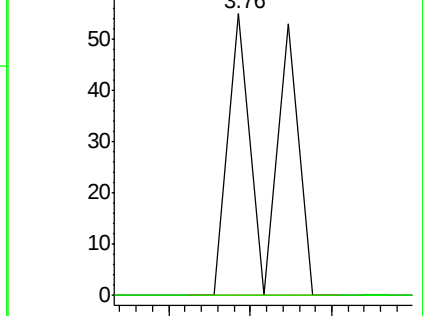
56 100

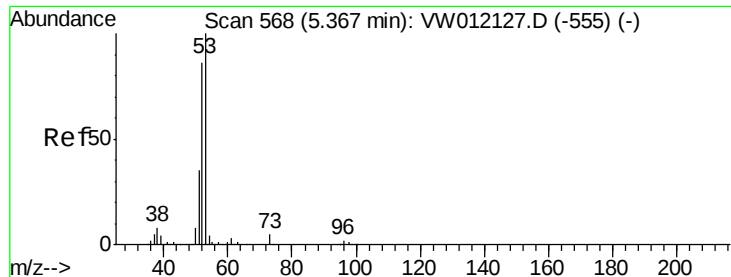
55 0.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#15

Acrylonitrile

Concen: 1.232 ug/l

RT: 5.49 min Scan# 589

Delta R.T. 0.13 min

Lab File: VW012262.D

Acq: 28 Aug 2019 18:41

Instrument :

MSVOA_W

ClientSampled :

SB-42-9.5-10.0

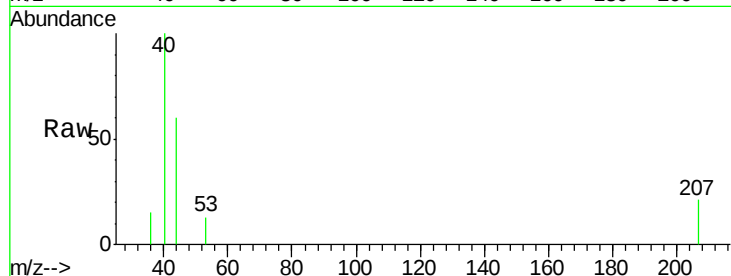
Tot Ion: 53 Resp: 41

Ion Ratio Lower Upper

53 100

52 0.0 66.7 100.1#

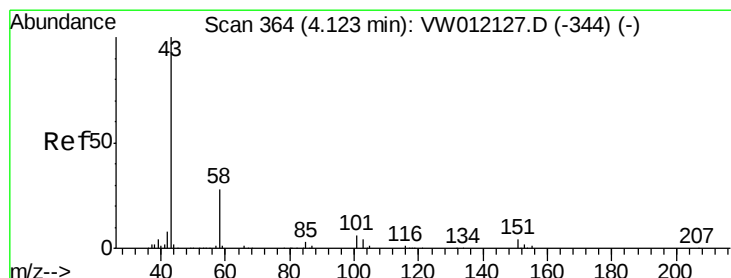
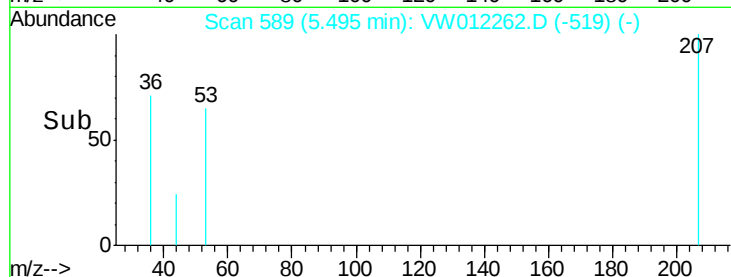
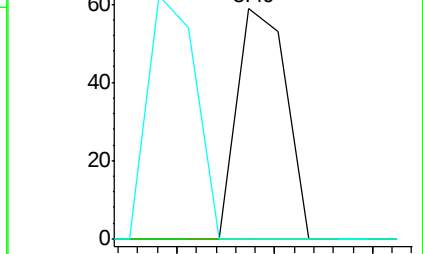
51 102.4 30.1 45.1#



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 17.322 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012262.D

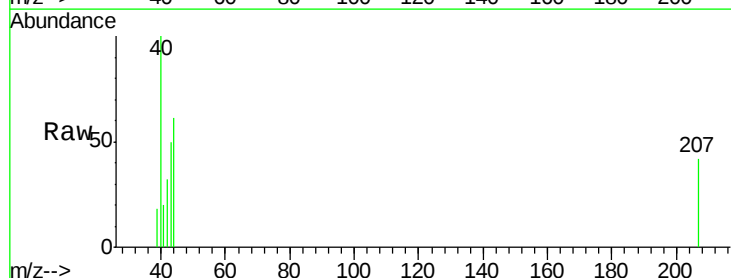
Acq: 28 Aug 2019 18:41

Tgt Ion: 43 Resp: 635

Ion Ratio Lower Upper

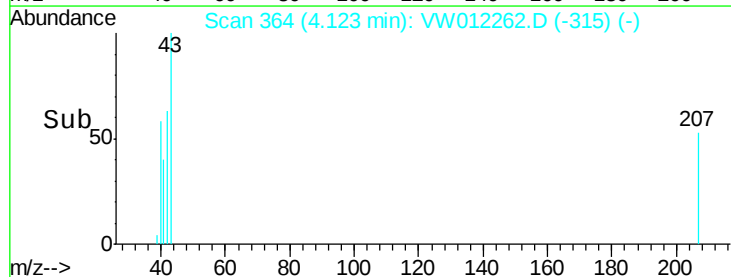
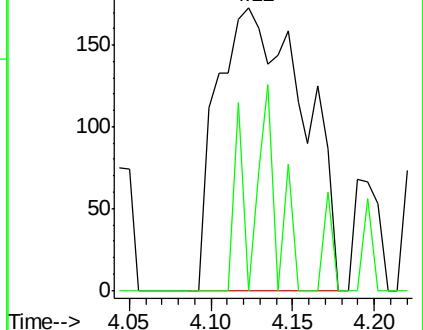
43 100

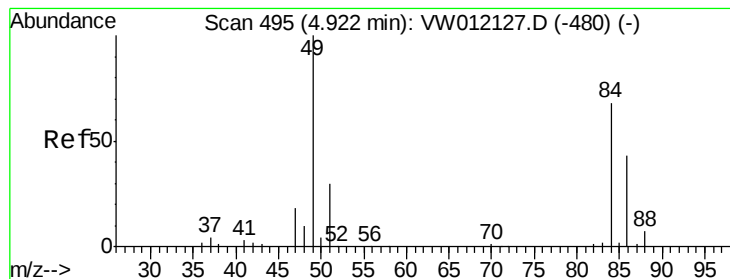
58 0.0 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methvlene Chloride

Concen: 6.408 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012262.D

Acq: 28 Aug 2019 18:41

Instrument :

MSVOA_W

ClientSampleId :

SB-42-9.5-10.0

Tot Ion: 84 Resp: 888

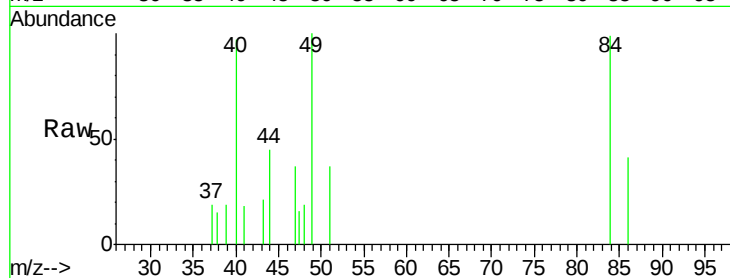
Ion Ratio Lower Upper

84 100

49 101.1 117.8 176.8#

51 37.0 35.6 53.4

86 41.3 51.2 76.8#

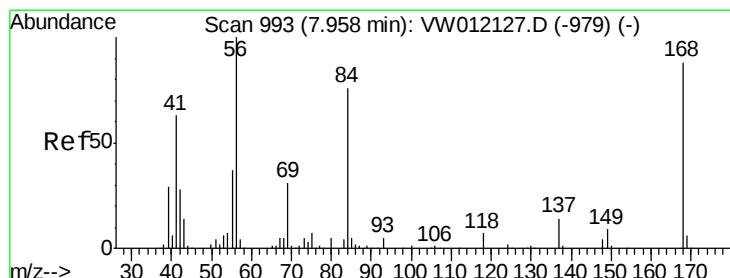
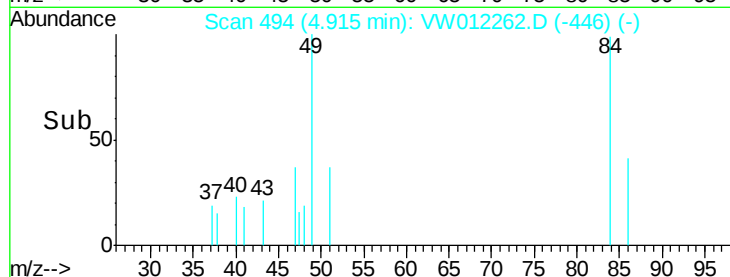
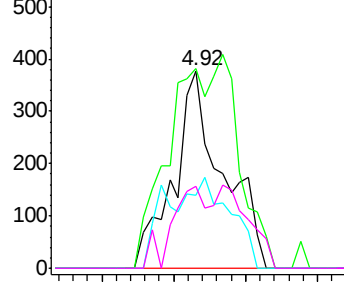


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#31

Cyclohexane

Concen: 1.173 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012262.D

Acq: 28 Aug 2019 18:41

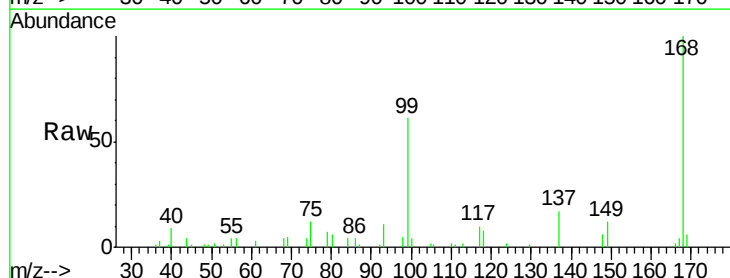
Tgt Ion: 56 Resp: 303

Ion Ratio Lower Upper

56 100

69 108.7 24.9 37.3#

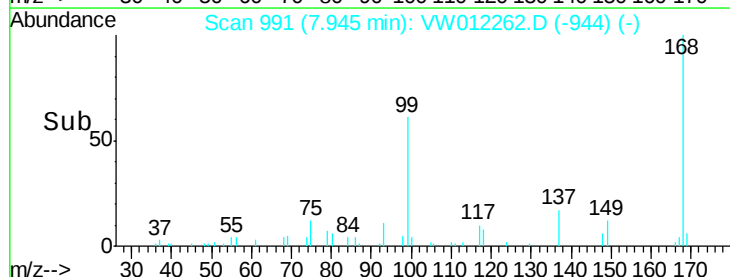
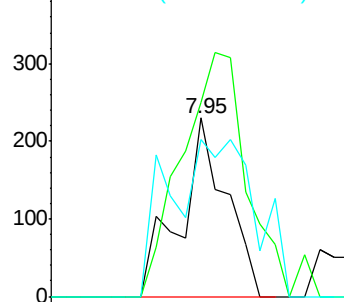
84 87.8 60.6 90.8

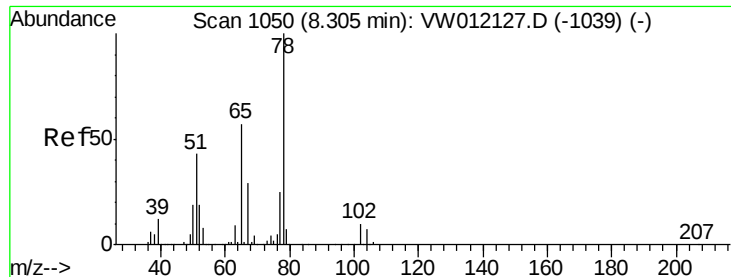


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





#33

1,2-Dichloroethane-d4

Concen: 46.830 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012262.D

Acq: 28 Aug 2019 18:41

Instrument :

MSVOA_W

ClientSampleId :

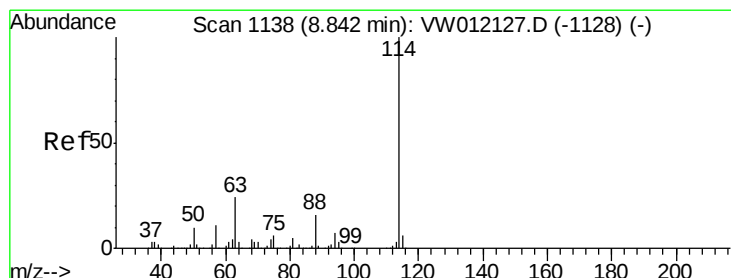
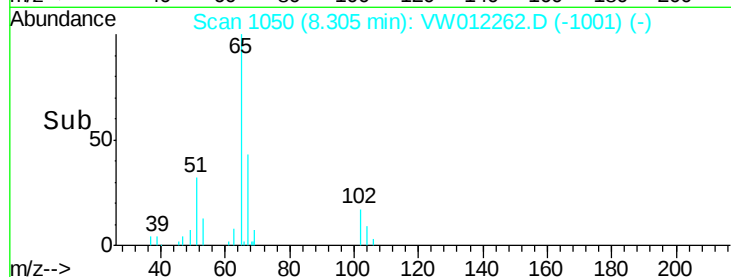
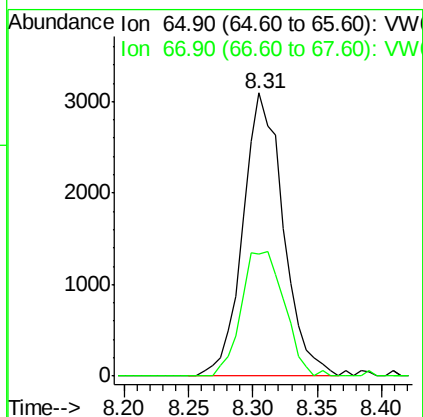
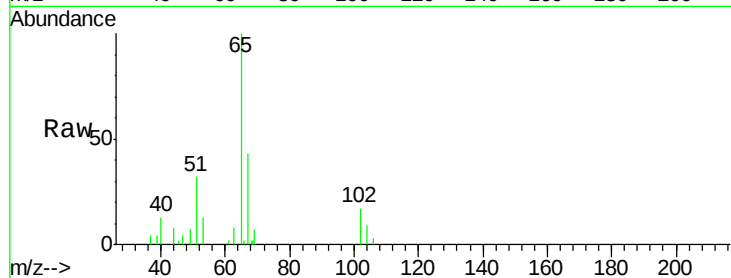
SB-42-9.5-10.0

Tot Ion: 65 Resp: 6716

Ion Ratio Lower Upper

65 100

67 47.0 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012262.D

Acq: 28 Aug 2019 18:41

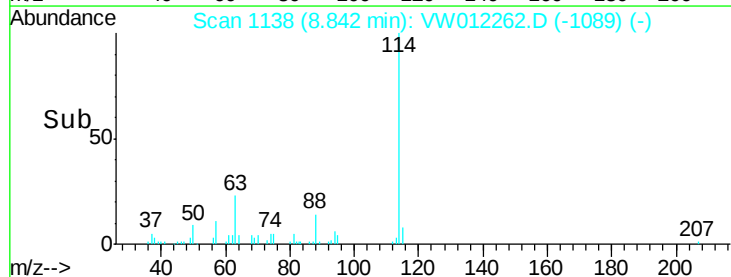
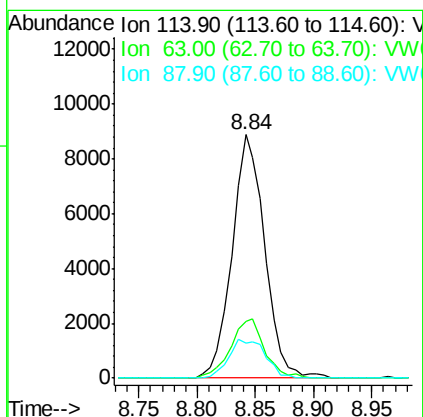
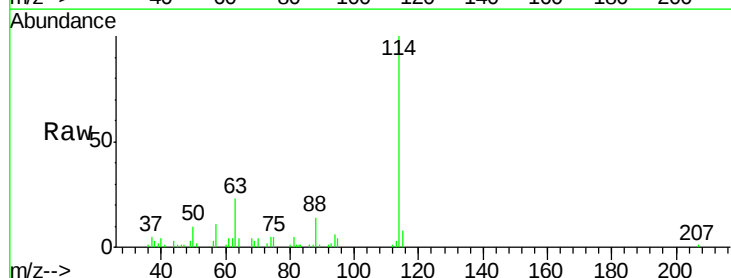
Tgt Ion: 114 Resp: 17339

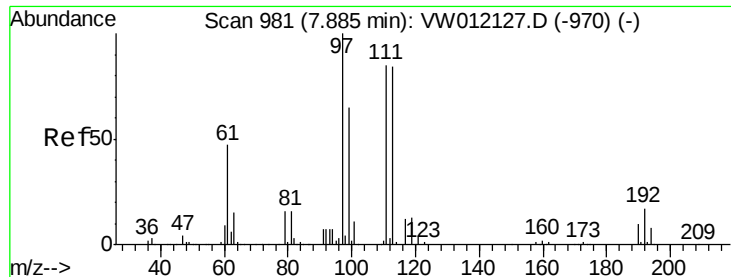
Ion Ratio Lower Upper

114 100

63 23.2 0.0 48.6

88 14.3 0.0 32.2

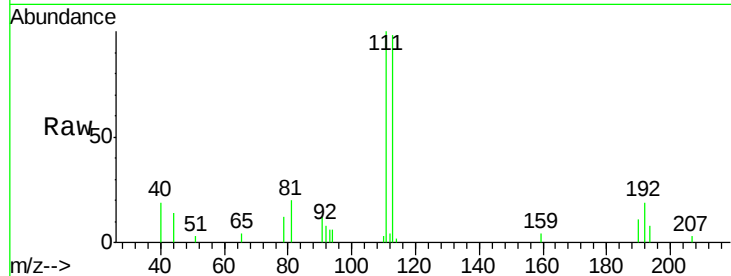




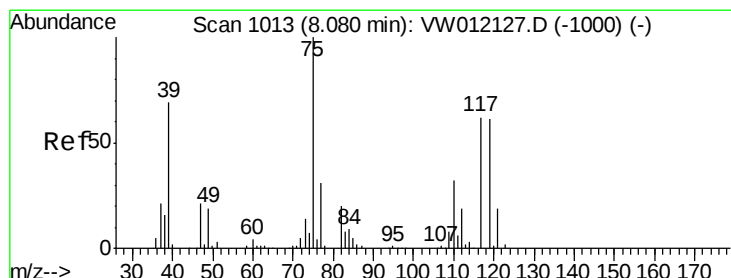
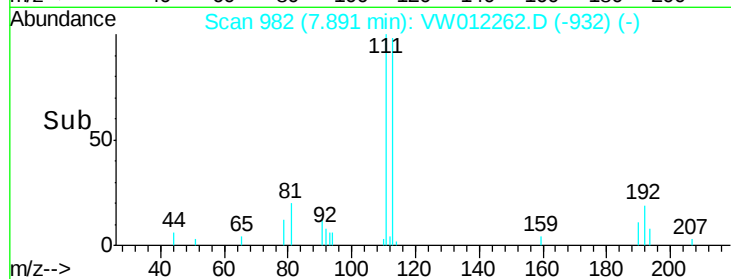
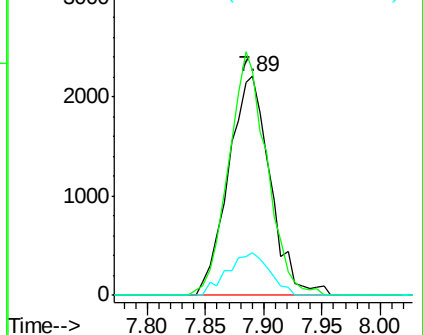
#35
 Dibromofluoromethane
 Concen: 53.422 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW012262.D
 Acq: 28 Aug 2019 18:41

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-42-9.5-10.0

Tot Ion:113 Resp: 5529
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.7 124.1
 192 19.4 16.2 24.2

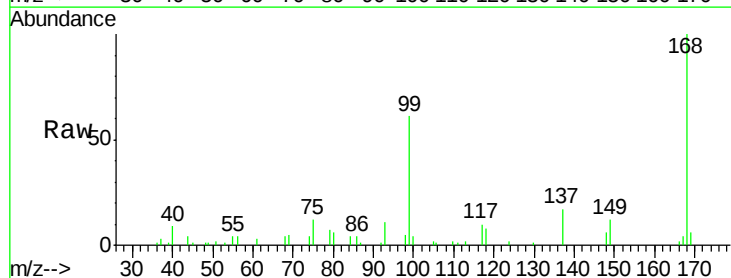


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

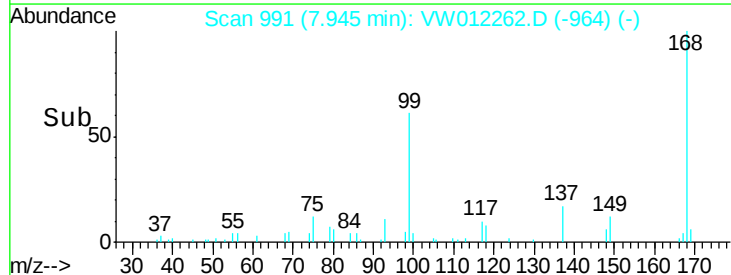
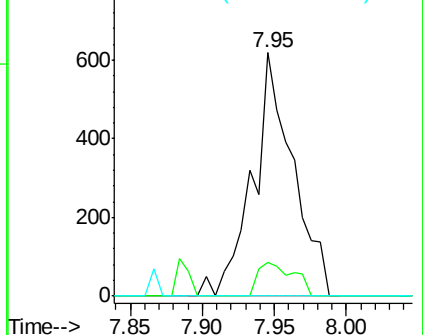


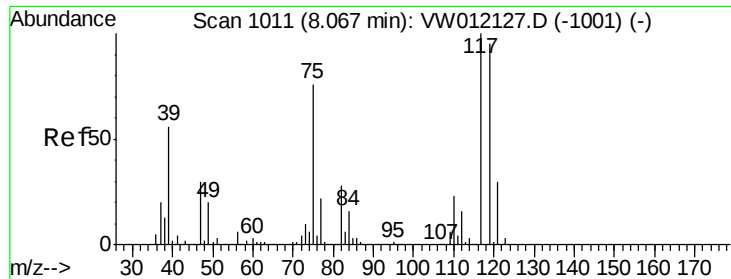
#36
 1,1-Dichloropropene
 Concen: 6.664 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012262.D
 Acq: 28 Aug 2019 18:41

Tgt Ion: 75 Resp: 1194
 Ion Ratio Lower Upper
 75 100
 110 12.2 15.6 46.8#
 77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 8.441 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW012262.D

Acq: 28 Aug 2019 18:41

Instrument :

MSVOA_W

ClientSampleId :

SB-42-9.5-10.0

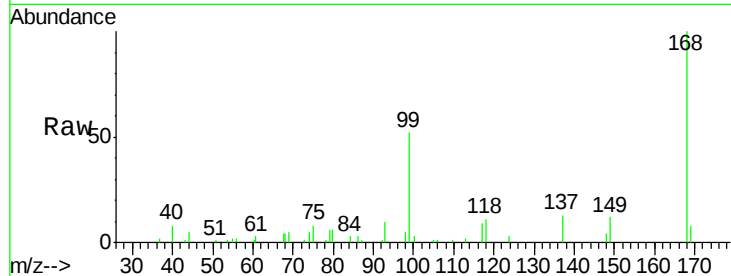
Tot Ion:117 Resp: 1309

Ion Ratio Lower Upper

117 100

119 0.0 76.2 114.2#

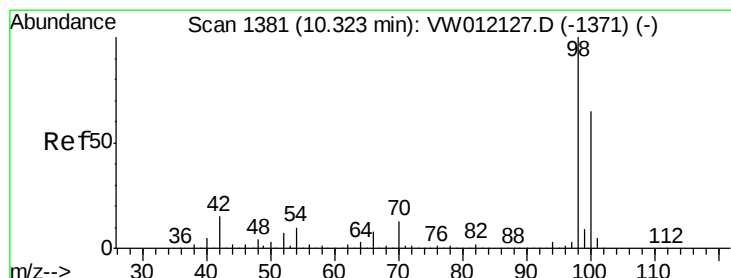
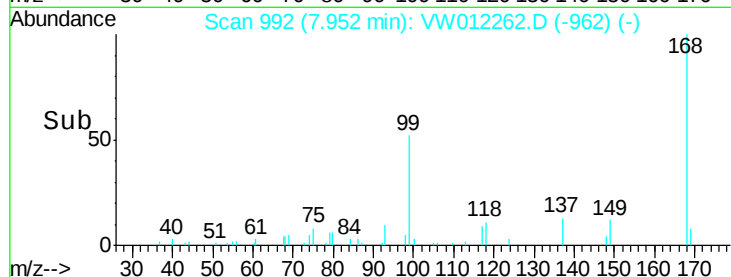
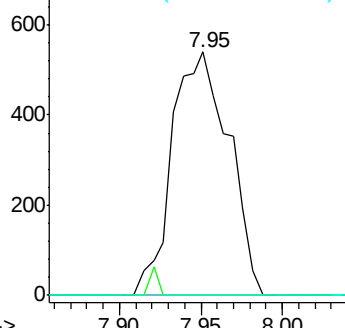
121 0.0 23.8 35.8#



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



#50

Toluene-d8

Concen: 47.787 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012262.D

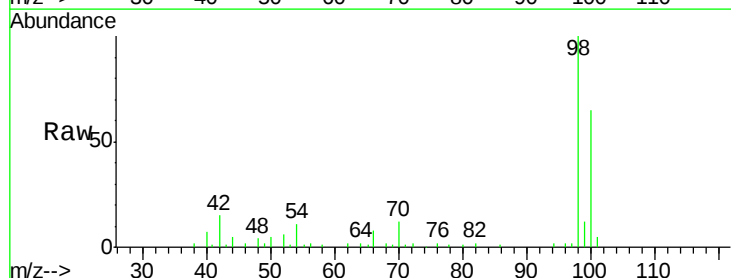
Acq: 28 Aug 2019 18:41

Tgt Ion: 98 Resp: 20054

Ion Ratio Lower Upper

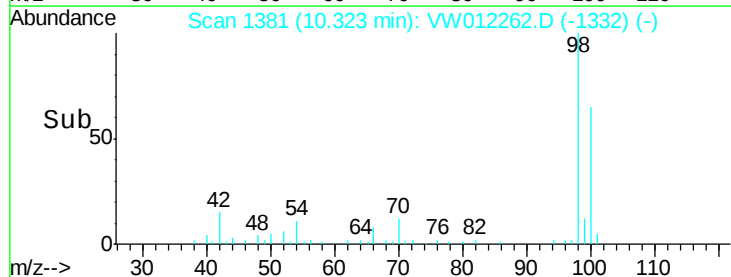
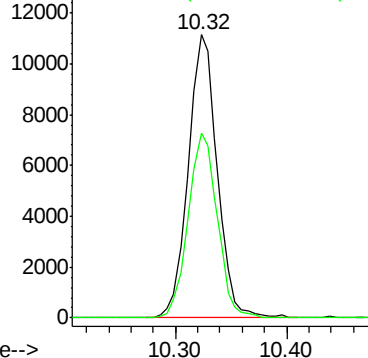
98 100

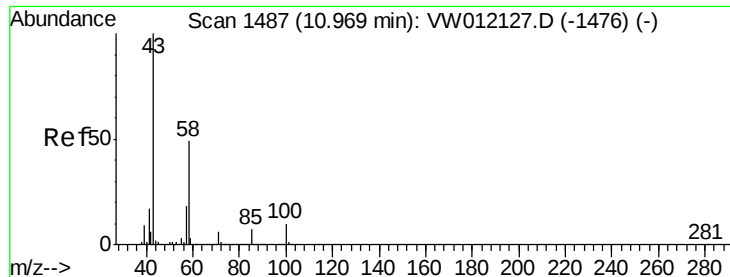
100 65.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#59

2-Hexanone

Concen: 1.024 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW012262.D

Acq: 28 Aug 2019 18:41

Instrument :

MSVOA_W

ClientSampled :

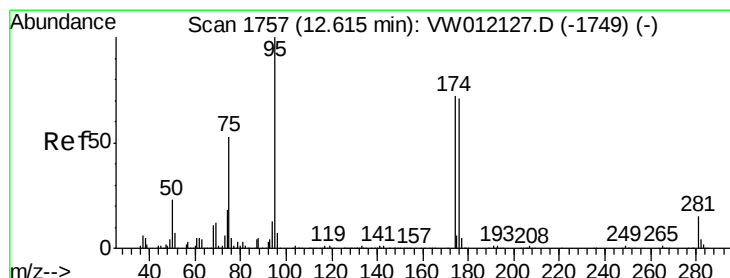
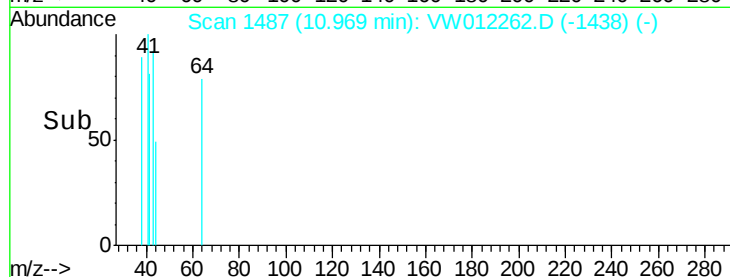
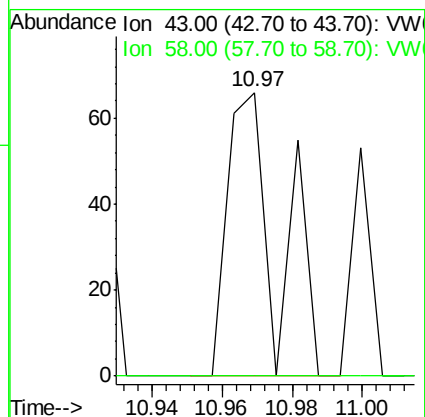
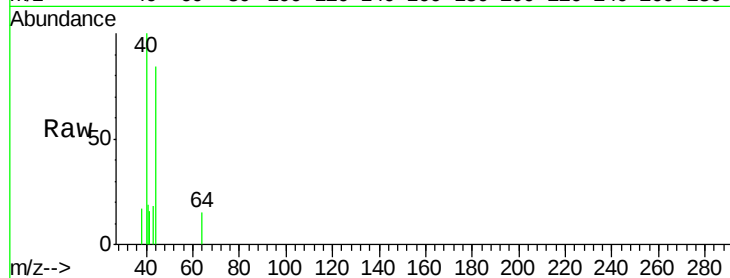
SB-42-9.5-10.0

Tot Ion: 43 Resp: 67

Ion Ratio Lower Upper

43 100

58 0.0 24.3 72.9#



#62

4-Bromofluorobenzene

Concen: 21.146 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012262.D

Acq: 28 Aug 2019 18:41

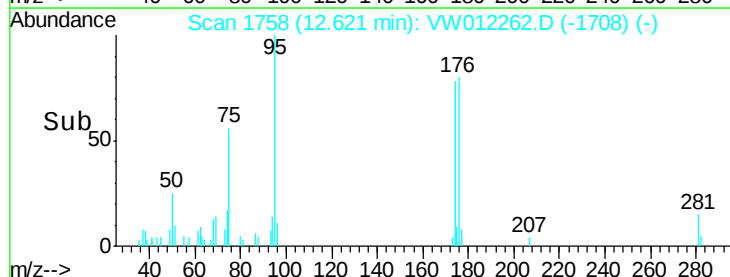
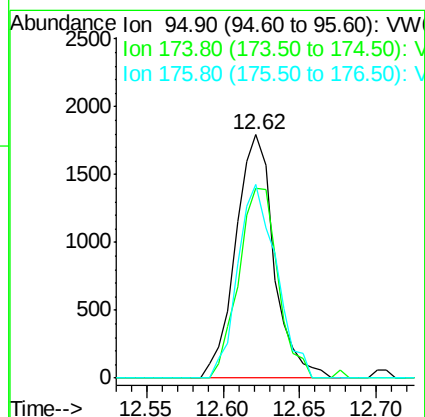
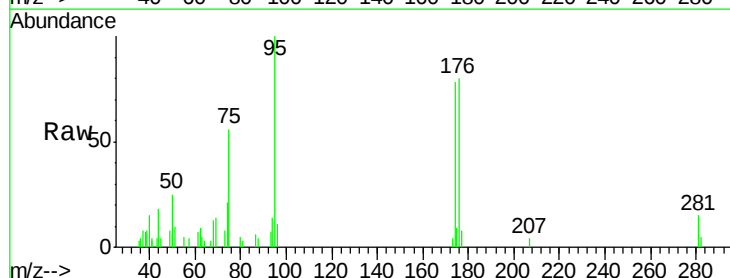
Tgt Ion: 95 Resp: 3128

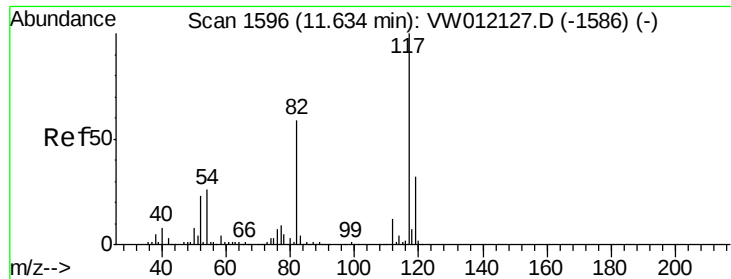
Ion Ratio Lower Upper

95 100

174 79.6 0.0 150.8

176 80.3 0.0 148.6

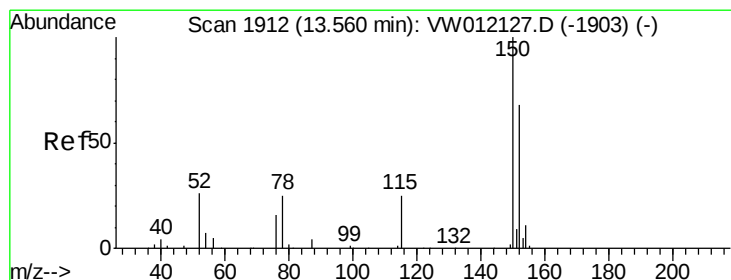
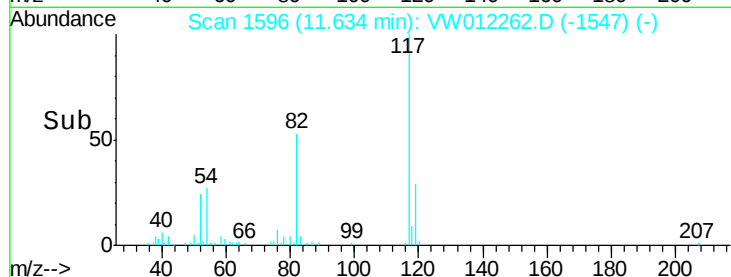
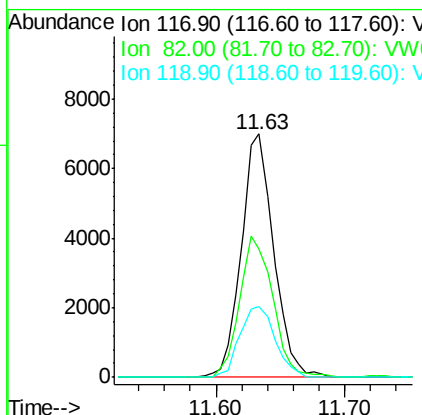
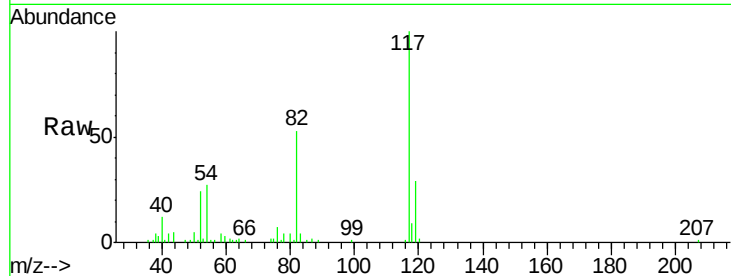




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012262.D
Acq: 28 Aug 2019 18:41

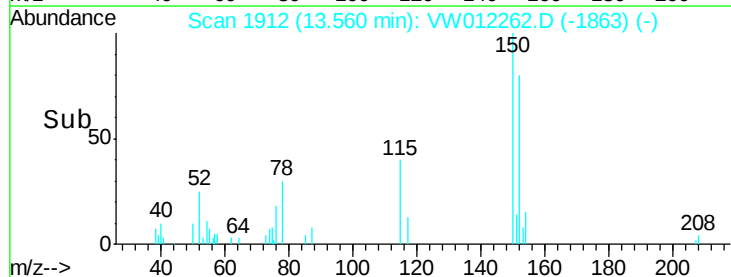
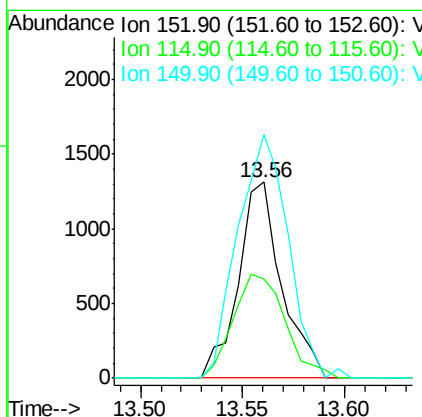
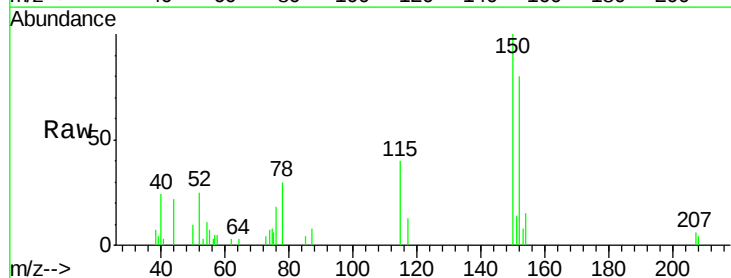
Instrument :
MSVOA_W
ClientSampleId :
SB-42-9.5-10.0

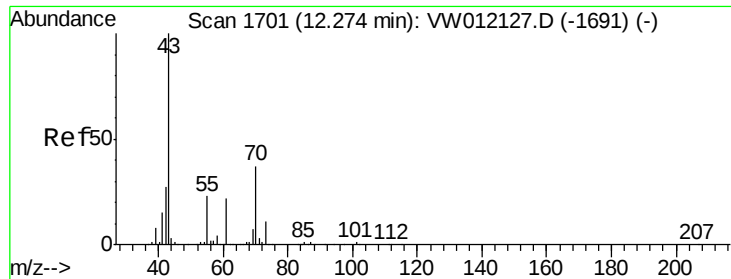
Tot Ion:117 Resp: 12177
Ion Ratio Lower Upper
117 100
82 52.7 47.4 71.2
119 29.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012262.D
Acq: 28 Aug 2019 18:41

Tgt Ion:152 Resp: 1942
Ion Ratio Lower Upper
152 100
115 63.3 30.1 90.3
150 144.4 0.0 345.8

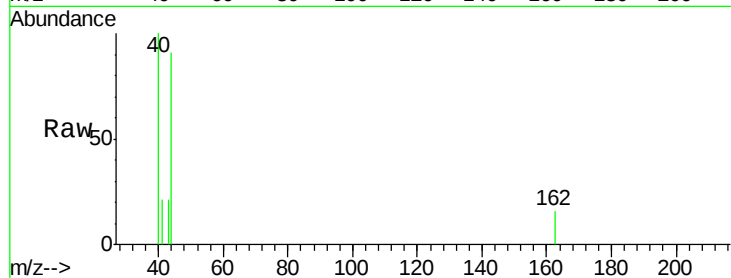




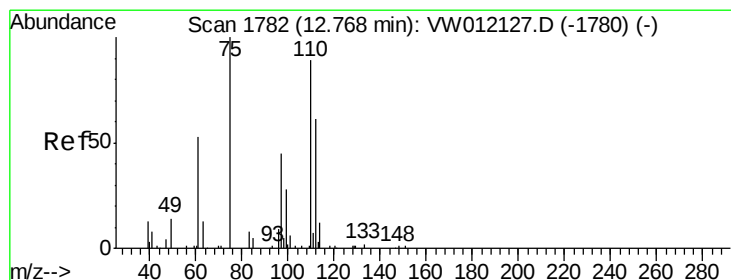
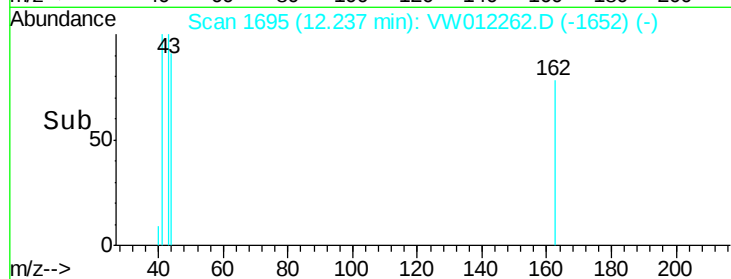
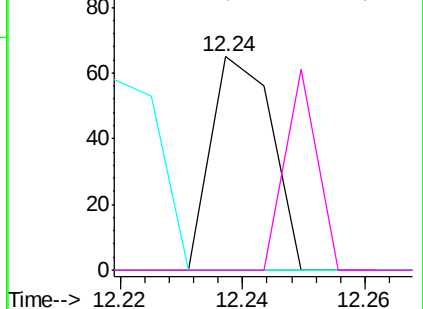
#74
N-amvl acetate
Concen: 1.001 ug/l
RT: 12.24 min Scan# 1695
Delta R.T. -0.04 min
Lab File: VW012262.D
Acq: 28 Aug 2019 18:41

Instrument :
MSVOA_W
ClientSampled :
SB-42-9.5-10.0

Tot Ion: 43 Resp: 44
Ion Ratio Lower Upper
43 100
70 0.0 28.6 43.0#
55 0.0 17.8 26.6#
61 50.0 17.3 25.9#

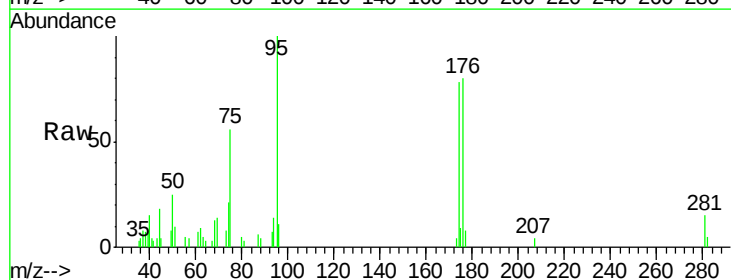


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 70.00 (69.70 to 70.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 61.00 (60.70 to 61.70): VW

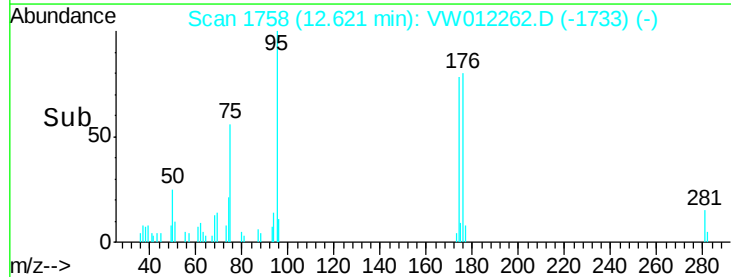
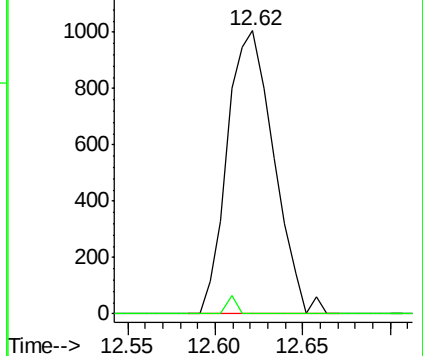


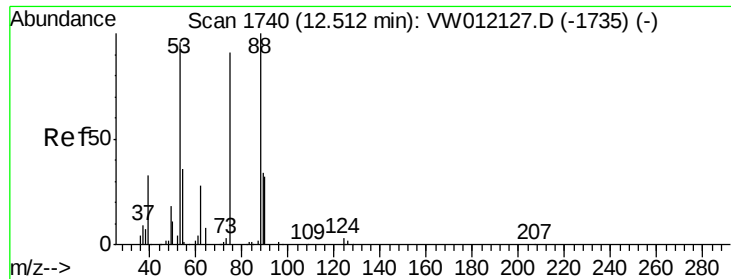
#76
1,2,3-Trichloropropane
Concen: 98.130 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW012262.D
Acq: 28 Aug 2019 18:41

Tgt Ion: 75 Resp: 1856
Ion Ratio Lower Upper
75 100
77 1.3 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: 215.154 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW012262.D

Acq: 28 Aug 2019 18:41

Instrument :

MSVOA_W

ClientSampleId :

SB-42-9.5-10.0

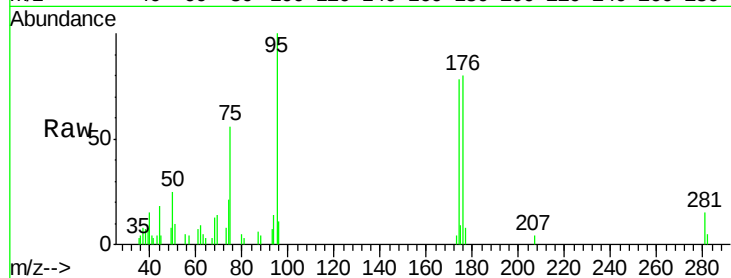
Tot Ion: 75 Resp: 1856

Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

89 0.0 34.5 51.7#



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

