

Data File : VW012408.D
Acq On : 31 Aug 2019 18:35
Operator : SY/VA
Sample : K4517-08
Misc : 4.48G/5ML/MSVOA_W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T4-S-D2-(0)

Quant Time: Sep 01 03:33:01 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	18138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	22900	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	16669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	2862	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	10098	46.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.66%	
35) Dibromofluoromethane	7.88	113	7635	55.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.72%	
50) Toluene-d8	10.32	98	26007	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
62) 4-Bromofluorobenzene	12.62	95	5077	25.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	51.98%	

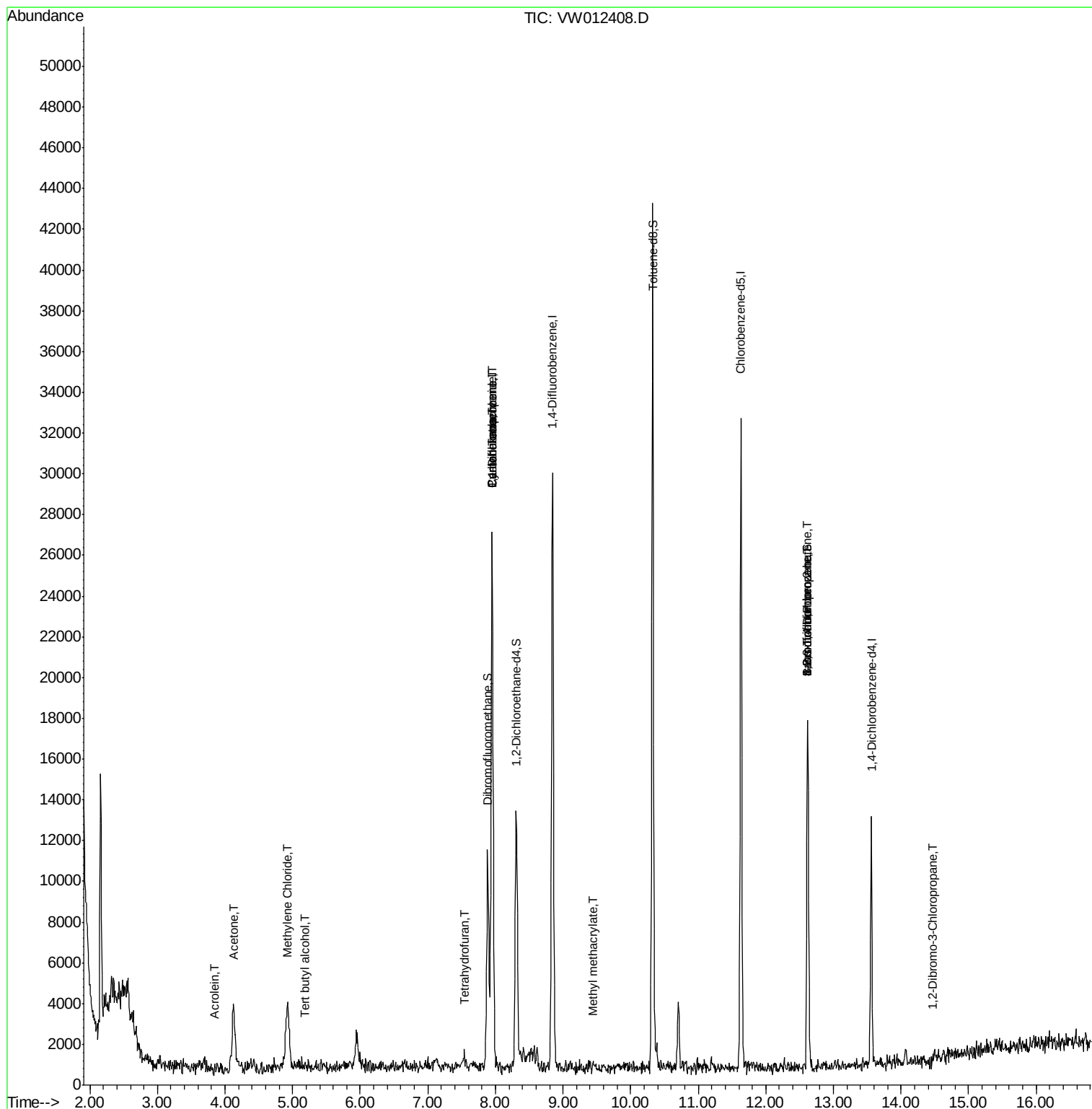
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.18	59	54	4.162	ug/l #	71
13) Acrolein	3.85	56	46	3.766	ug/l #	71
16) Acetone	4.12	43	6558	118.985	ug/l	94
20) Methylene Chloride	4.92	84	2157	10.352	ug/l #	86
29) Tetrahydrofuran	7.54	42	544	12.106	ug/l #	50
31) Cyclohexane	7.95	56	704	1.813	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	1761	7.442	ug/l #	46
38) Carbon Tetrachloride	7.95	117	1883	9.193	ug/l #	12
48) Methyl methacrylate	9.45	41	129	1.128	ug/l #	39
71) Bromoform	12.62	173	59	1.034	ug/l #	28
76) 1,2,3-Trichloropropane	12.62	75	3072	110.211	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	3072	241.641	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	14.47	75	24	3.621	ug/l #	5

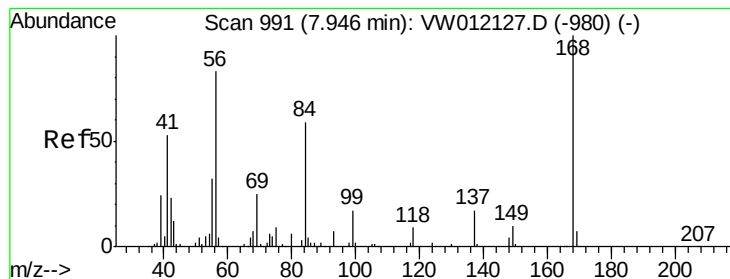
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW012408.D

Acq: 31 Aug 2019 18:35

Instrument :

MSVOA_W

ClientSampleId :

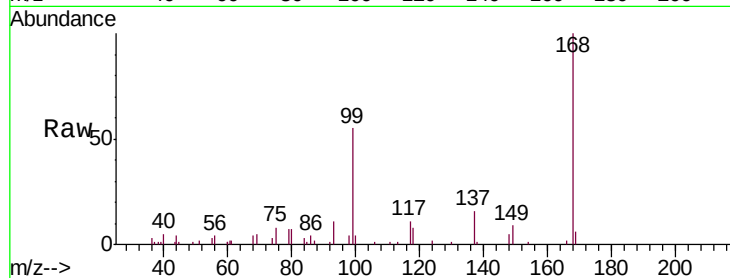
T4-S-D2-(0)

Tgt Ion:168 Resp: 18138

Ion Ratio Lower Upper

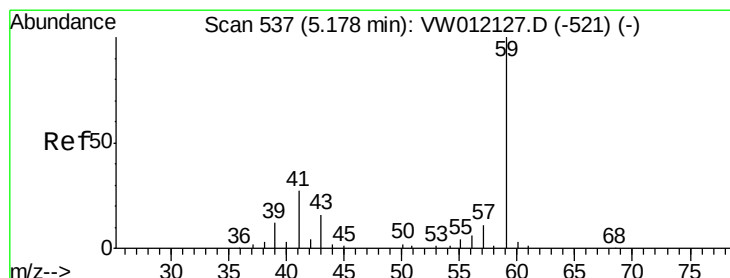
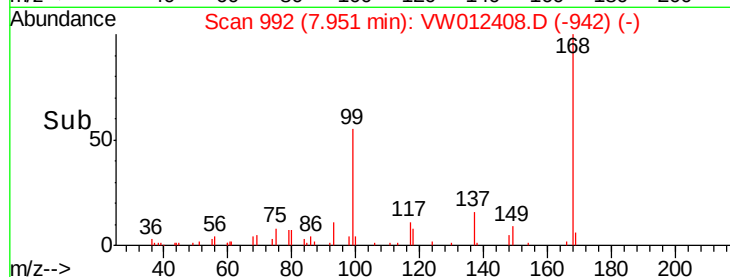
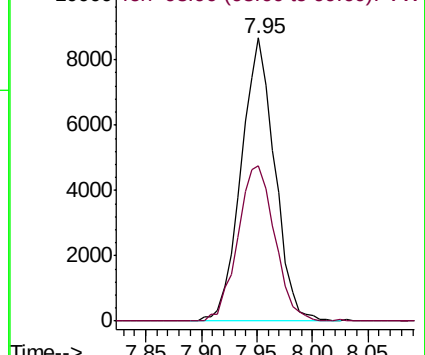
168 100

99 54.7 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 4.162 ug/l

RT: 5.18 min Scan# 537

Delta R.T. -0.00 min

Lab File: VW012408.D

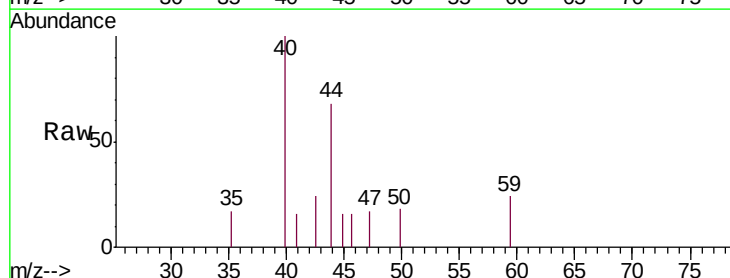
Acq: 31 Aug 2019 18:35

Tgt Ion: 59 Resp: 54

Ion Ratio Lower Upper

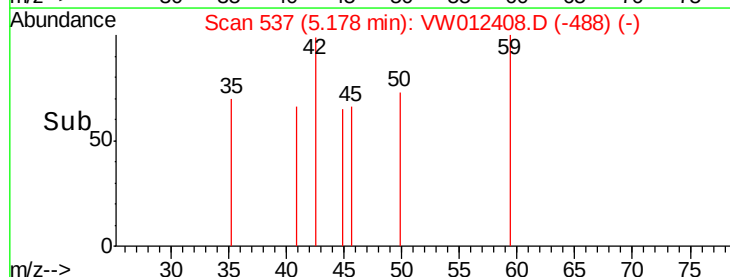
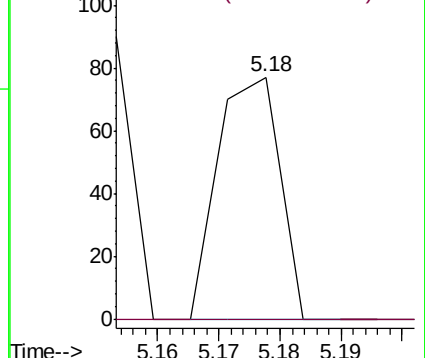
59 100

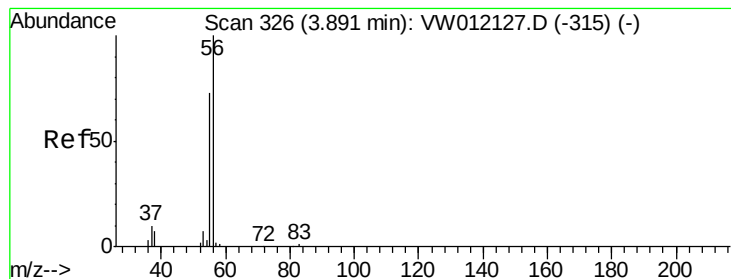
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 3.766 ug/l

RT: 3.85 min Scan# 319

Delta R.T. -0.04 min

Lab File: VW012408.D

Acq: 31 Aug 2019 18:35

Instrument :

MSVOA_W

ClientSampled :

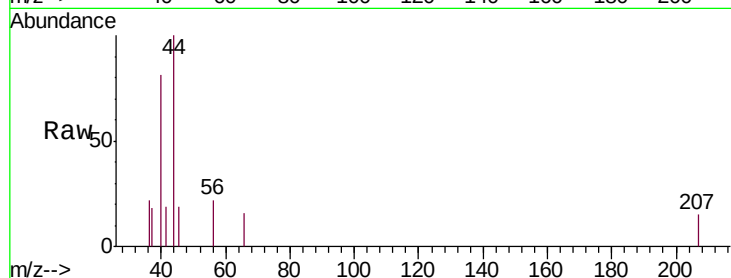
T4-S-D2-(0)

Tgt Ion: 56 Resp: 46

Ion Ratio Lower Upper

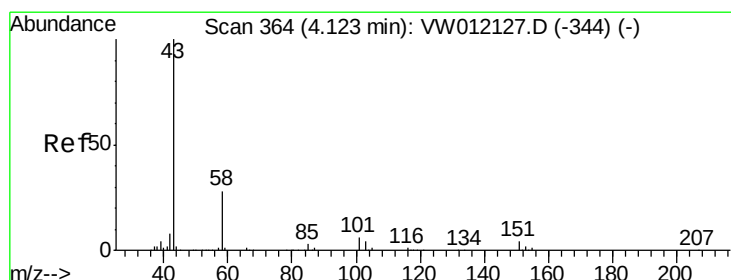
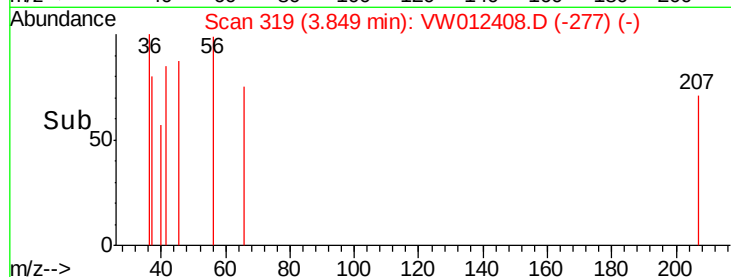
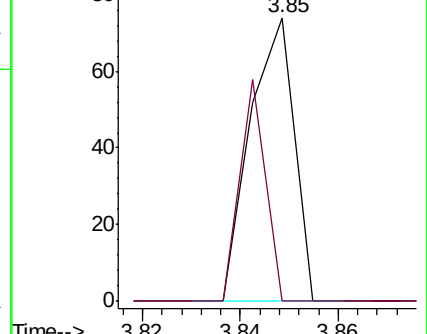
56 100

55 45.7 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 118.985 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012408.D

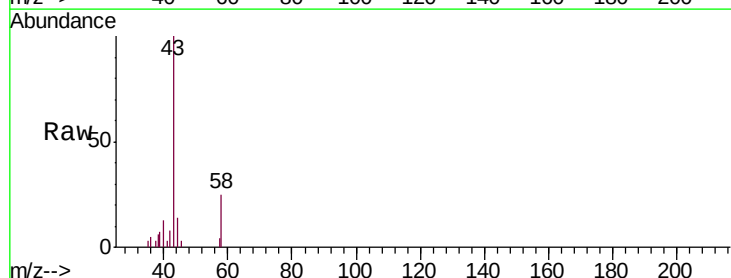
Acq: 31 Aug 2019 18:35

Tgt Ion: 43 Resp: 6558

Ion Ratio Lower Upper

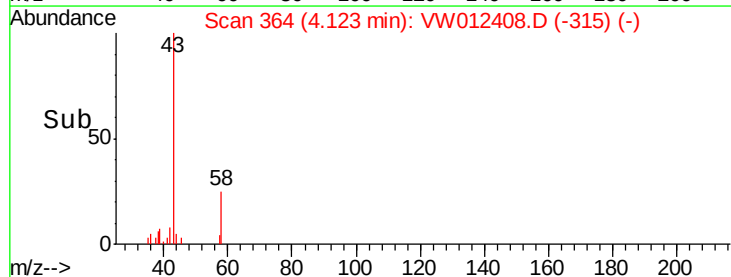
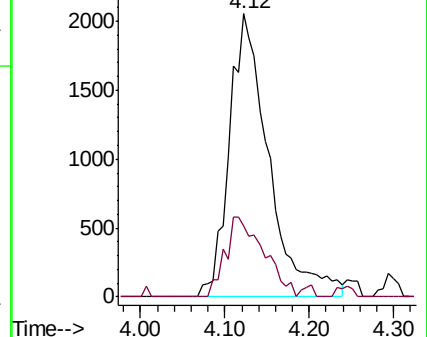
43 100

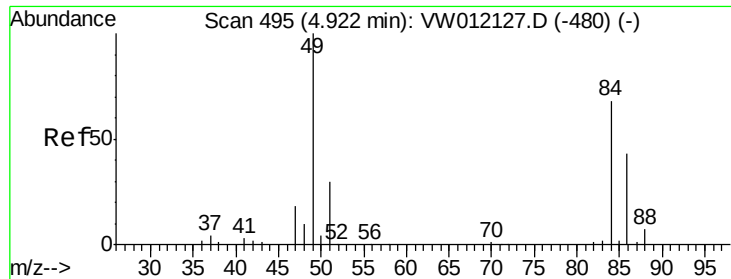
58 25.0 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

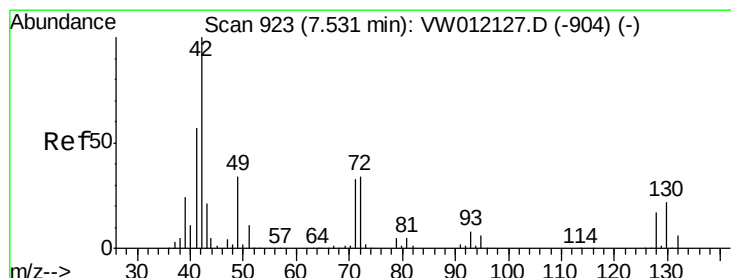
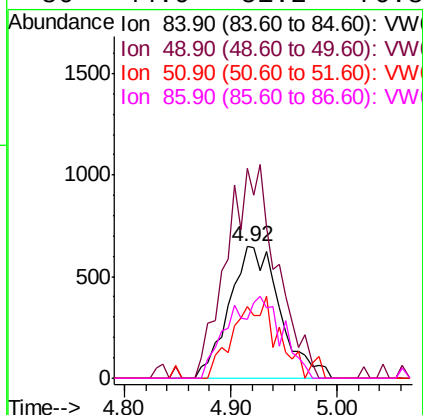
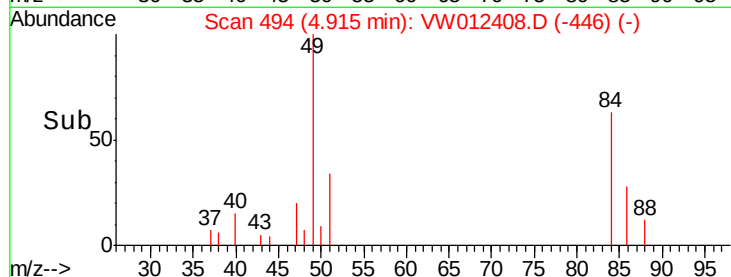
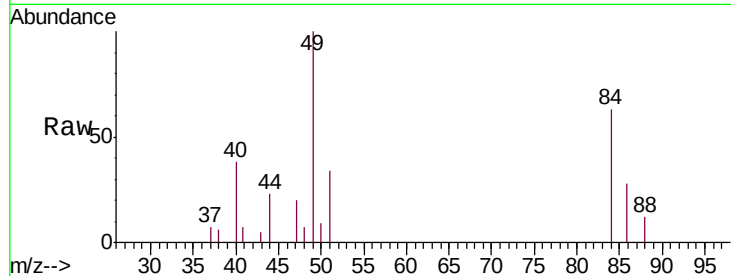




#20
Methylene Chloride
Concen: 10.352 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012408.D
Acq: 31 Aug 2019 18:35

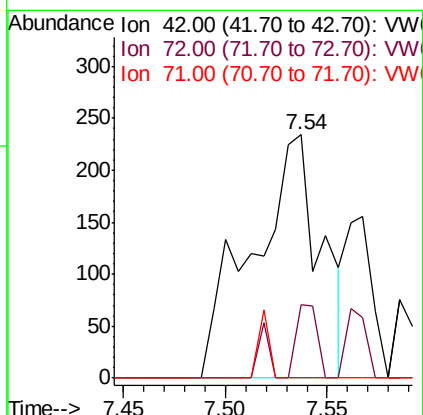
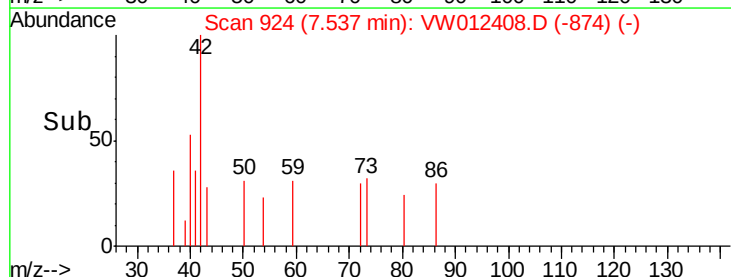
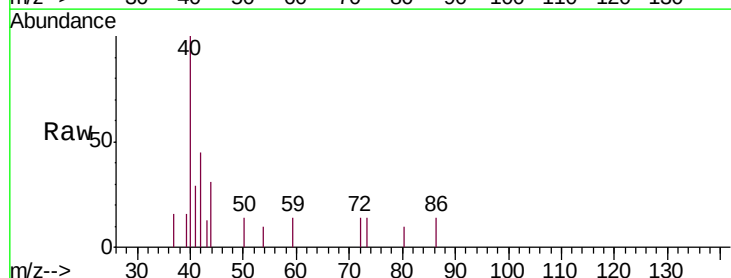
Instrument :
MSVOA_W
ClientSampleId :
T4-S-D2-(0)

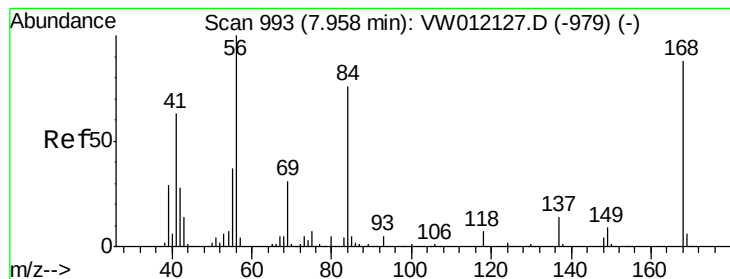
Tgt Ion: 84 Resp: 2157
Ion Ratio Lower Upper
84 100
49 159.1 117.8 176.8
51 54.8 35.6 53.4#
86 44.9 51.2 76.8#



#29
Tetrahydrofuran
Concen: 12.106 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012408.D
Acq: 31 Aug 2019 18:35

Tgt Ion: 42 Resp: 544
Ion Ratio Lower Upper
42 100
72 9.4 27.3 40.9#
71 0.0 25.5 38.3#





#31

Cyclohexane

Concen: 1.813 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012408.D

Acq: 31 Aug 2019 18:35

Instrument :

MSVOA_W

ClientSampleId :

T4-S-D2-(0)

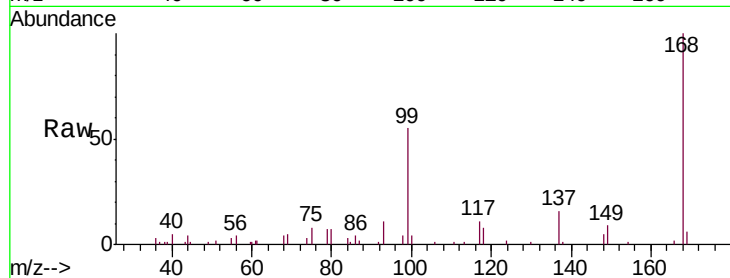
Tgt Ion: 56 Resp: 704

Ion Ratio Lower Upper

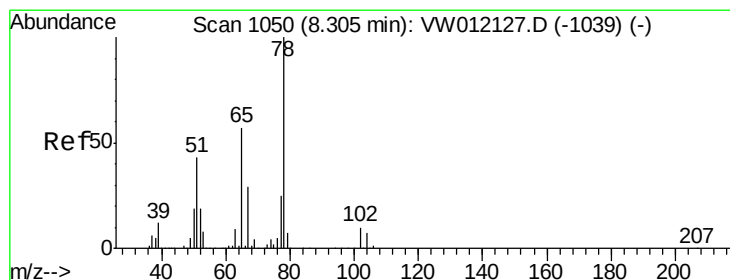
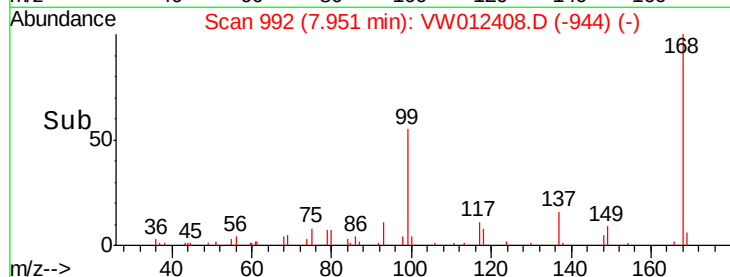
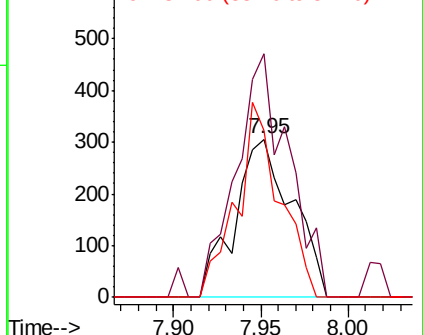
56 100

69 153.9 24.9 37.3#

84 105.6 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: 46.833 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012408.D

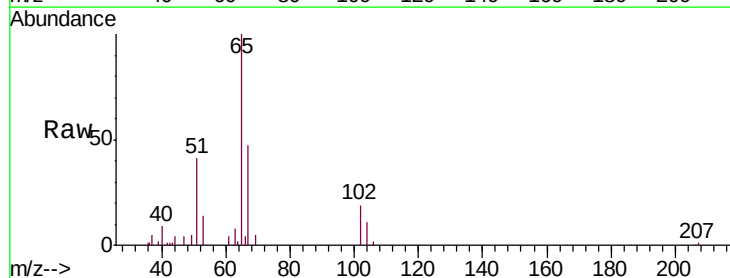
Acq: 31 Aug 2019 18:35

Tgt Ion: 65 Resp: 10098

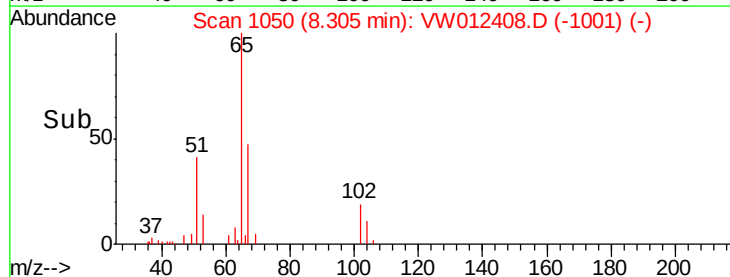
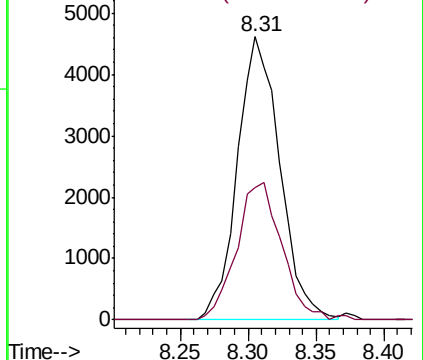
Ion Ratio Lower Upper

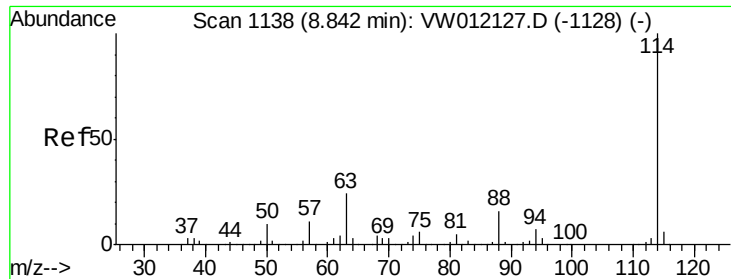
65 100

67 51.8 0.0 102.6



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

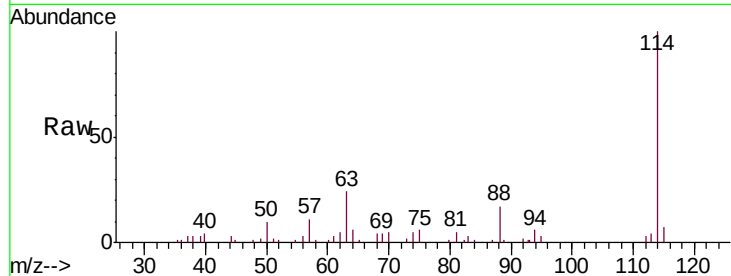




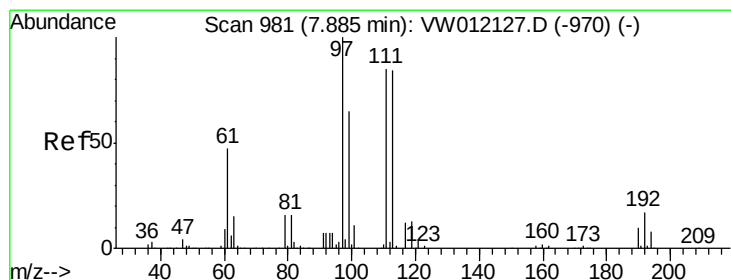
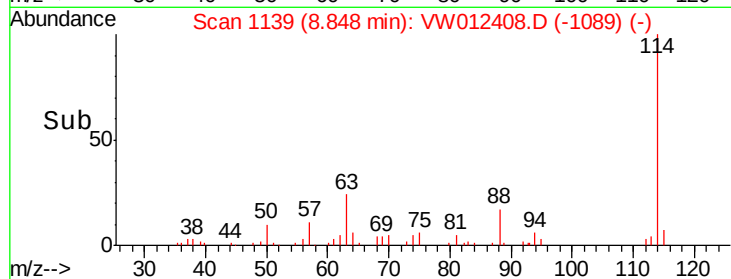
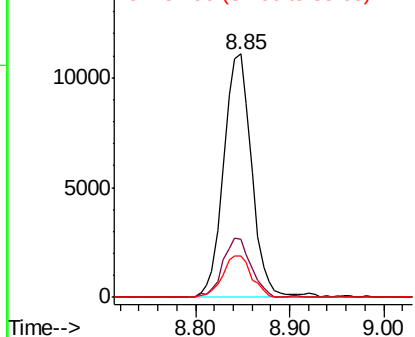
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW012408.D
 Acq: 31 Aug 2019 18:35

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-S-D2-(0)

Tgt Ion:114 Resp: 22900
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 48.6
 88 17.1 0.0 32.2

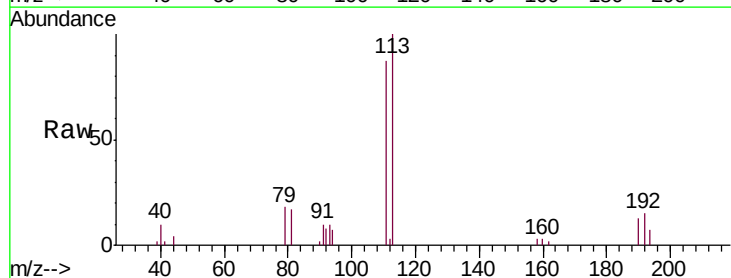


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

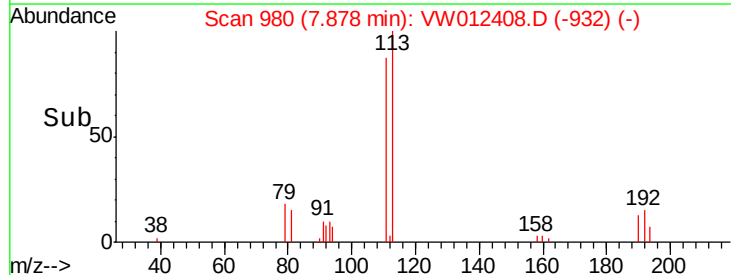
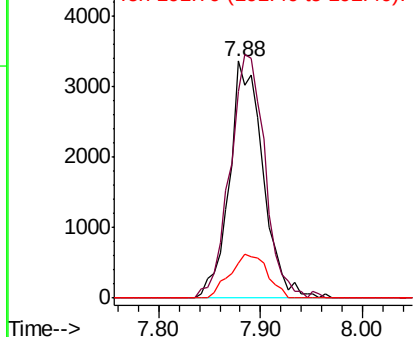


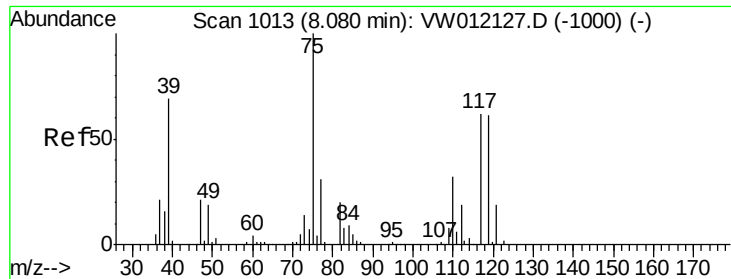
#35
 Dibromofluoromethane
 Concen: 55.856 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012408.D
 Acq: 31 Aug 2019 18:35

Tgt Ion:113 Resp: 7635
 Ion Ratio Lower Upper
 113 100
 111 106.4 82.7 124.1
 192 20.6 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

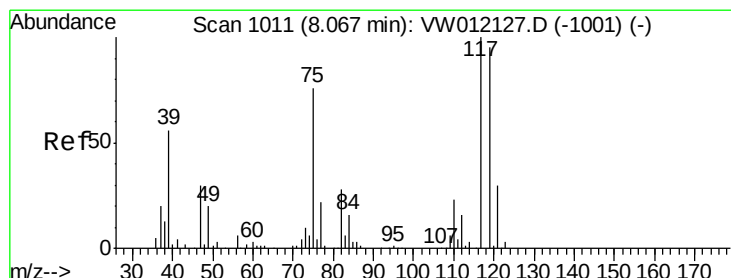
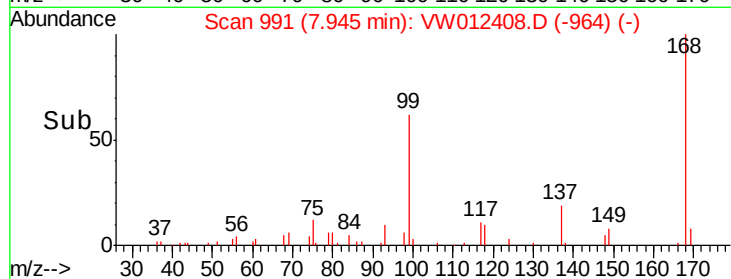
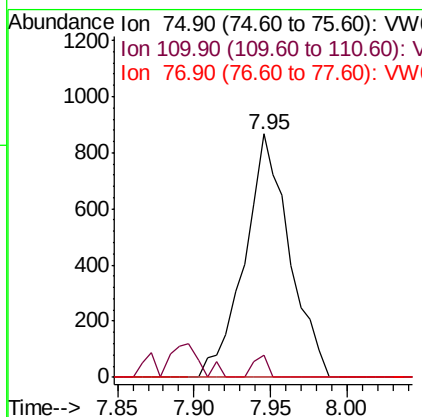
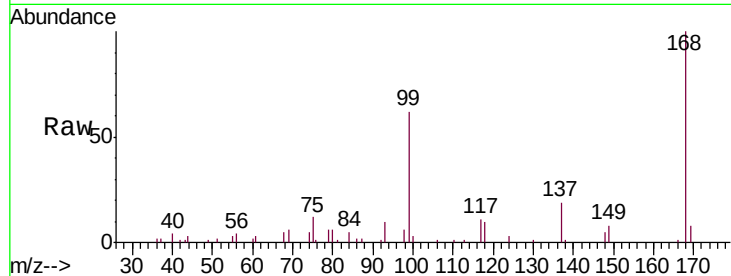




#36
 1,1-Dichloropropene
 Concen: 7.442 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012408.D
 Acq: 31 Aug 2019 18:35

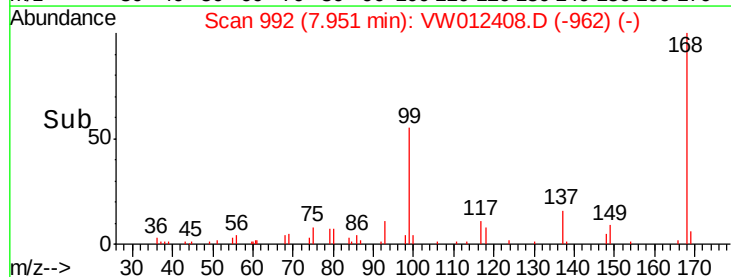
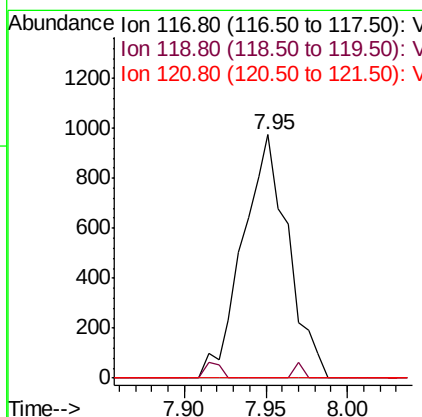
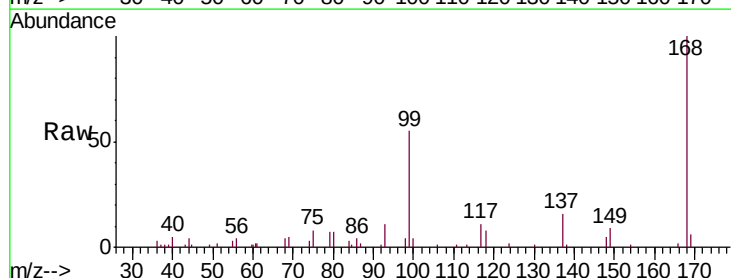
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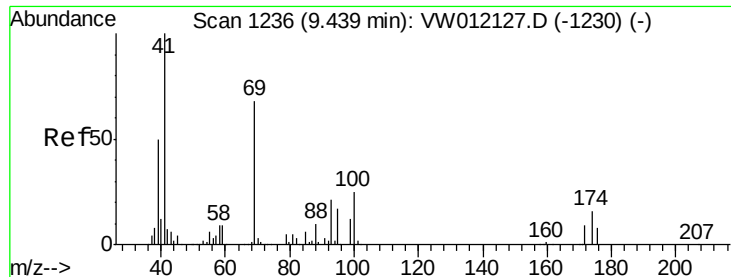
Tgt Ion: 75 Resp: 1761
 Ion Ratio Lower Upper
 75 100
 110 2.8 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 9.193 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW012408.D
 Acq: 31 Aug 2019 18:35

Tgt Ion: 117 Resp: 1883
 Ion Ratio Lower Upper
 117 100
 119 0.0 76.2 114.2#
 121 0.0 23.8 35.8#

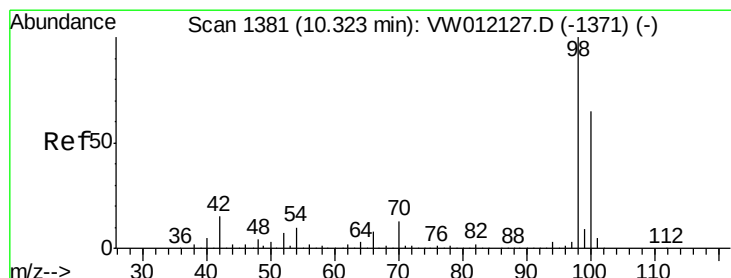
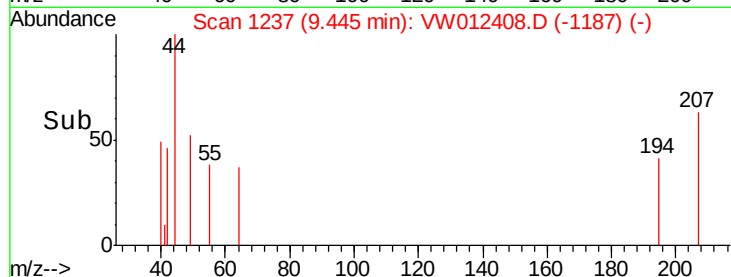
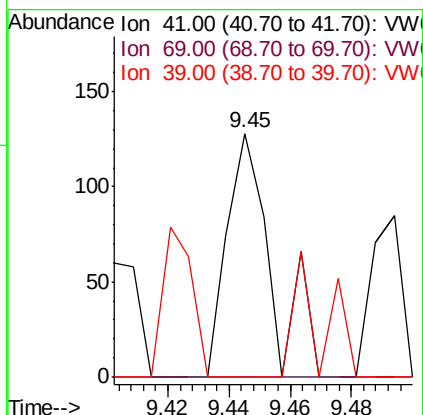
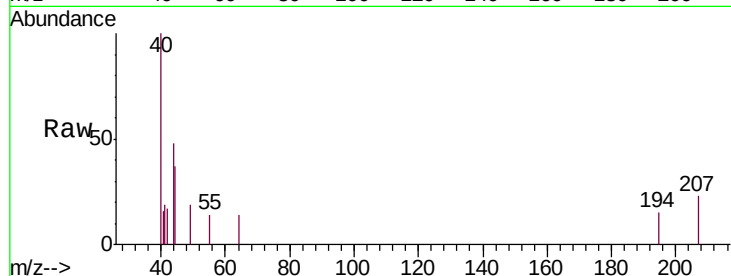




#48
Methyl methacrylate
Concen: 1.128 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VW012408.D
Acq: 31 Aug 2019 18:35

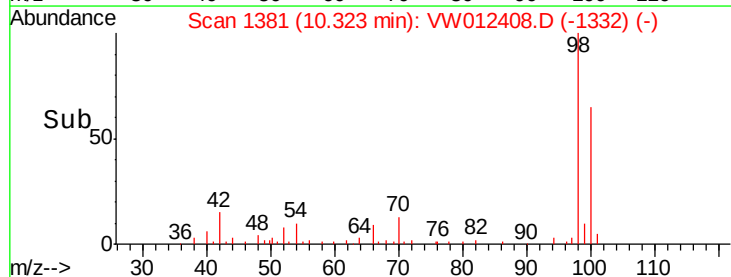
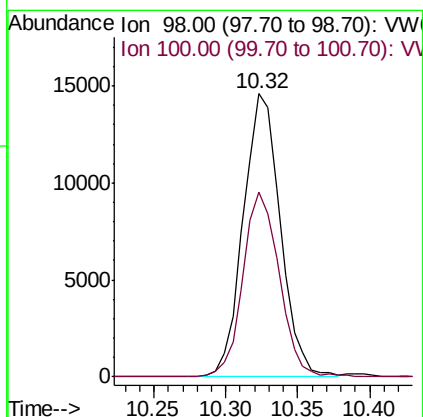
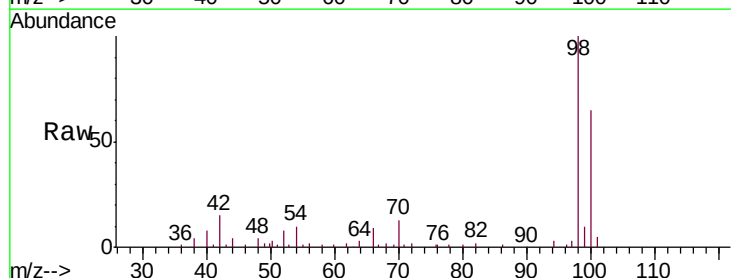
Instrument :
MSVOA_W
ClientSampleId :
T4-S-D2-(0)

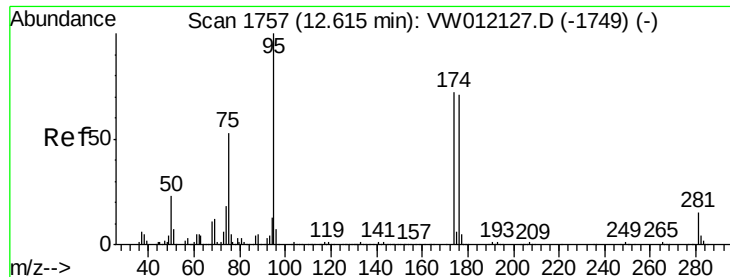
Tgt Ion: 41 Resp: 129
Ion Ratio Lower Upper
41 100
69 0.0 56.7 85.1#
39 33.3 42.0 63.0#



#50
Toluene-d8
Concen: 46.924 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012408.D
Acq: 31 Aug 2019 18:35

Tgt Ion: 98 Resp: 26007
Ion Ratio Lower Upper
98 100
100 64.0 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 25.987 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012408.D

Acq: 31 Aug 2019 18:35

Instrument :

MSVOA_W

ClientSampleId :

T4-S-D2-(0)

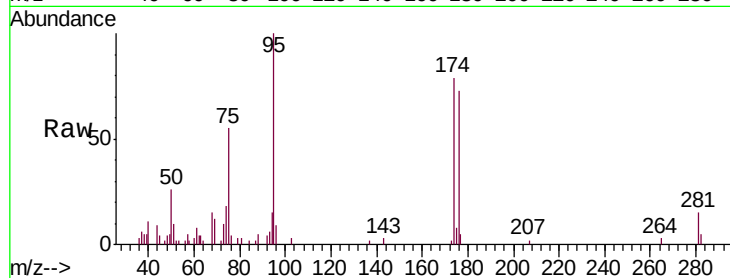
Tgt Ion: 95 Resp: 5077

Ion Ratio Lower Upper

95 100

174 81.1 0.0 150.8

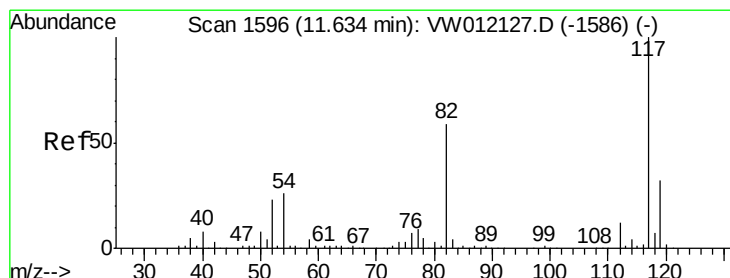
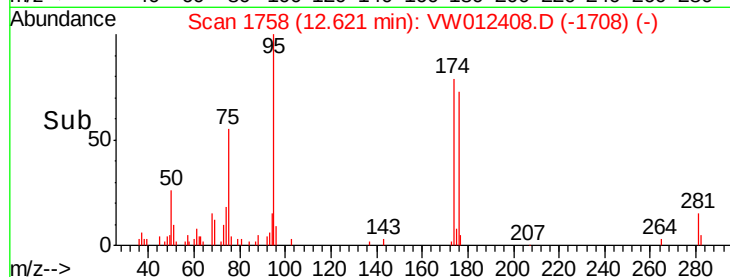
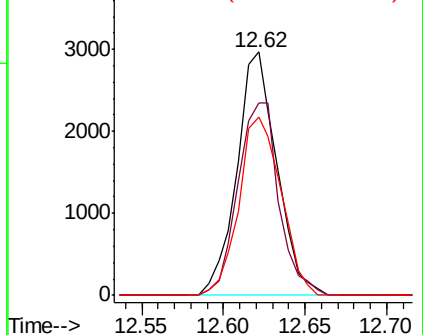
176 76.8 0.0 148.6



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: VW012408.D

Acq: 31 Aug 2019 18:35

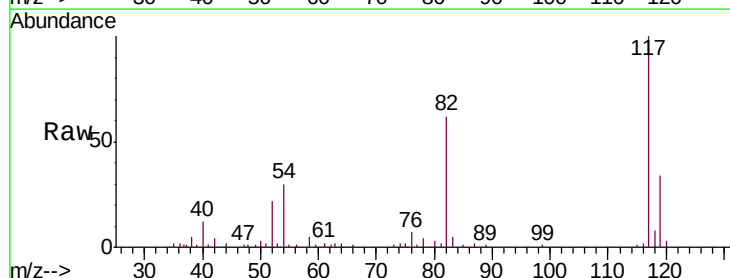
Tgt Ion: 117 Resp: 16669

Ion Ratio Lower Upper

117 100

82 61.8 47.4 71.2

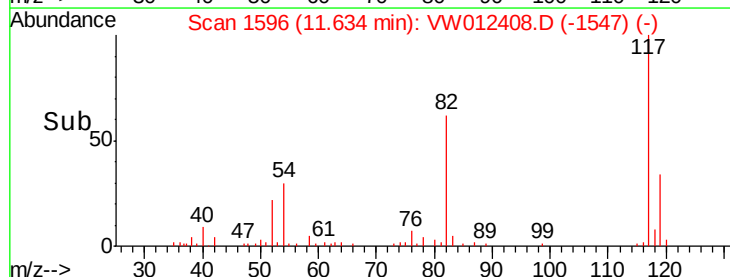
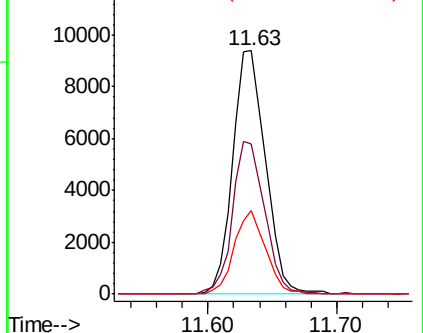
119 34.1 25.4 38.2

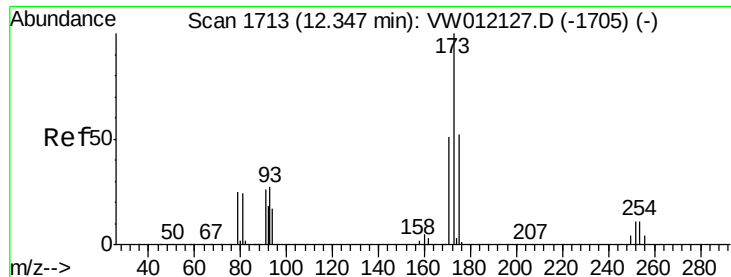


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#71

Bromoform

Concen: 1.034 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.27 min

Lab File: VW012408.D

Acq: 31 Aug 2019 18:35

Instrument :

MSVOA_W

ClientSampled :

T4-S-D2-(0)

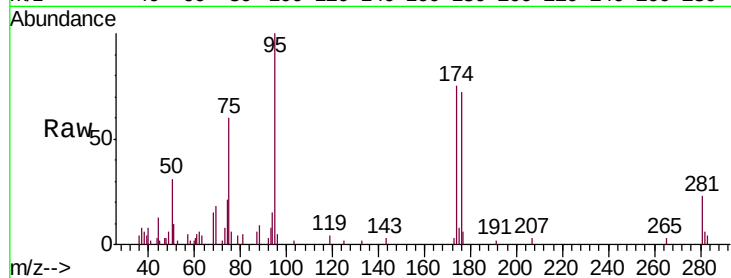
Tgt Ion:173 Resp: 59

Ion Ratio Lower Upper

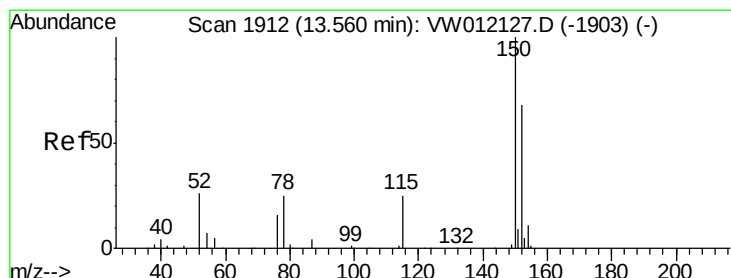
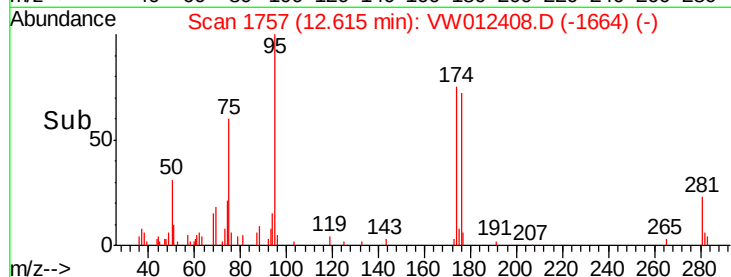
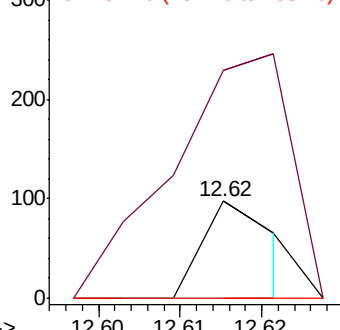
173 100

175 0.0 24.6 74.0#

254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW012408.D

Acq: 31 Aug 2019 18:35

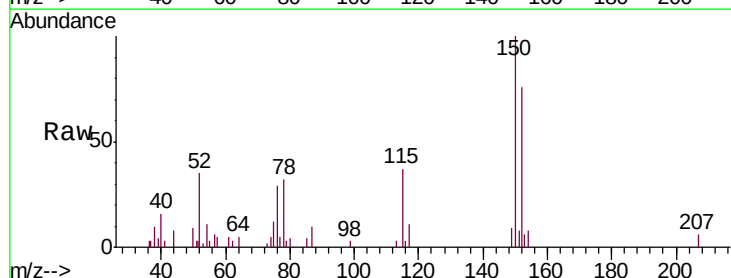
Tgt Ion:152 Resp: 2862

Ion Ratio Lower Upper

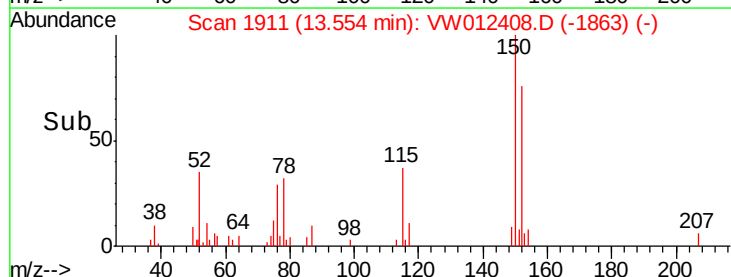
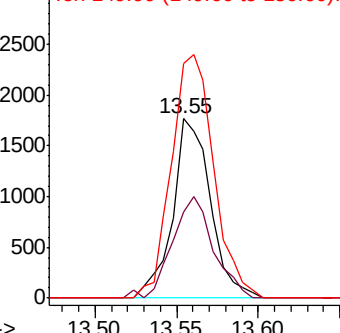
152 100

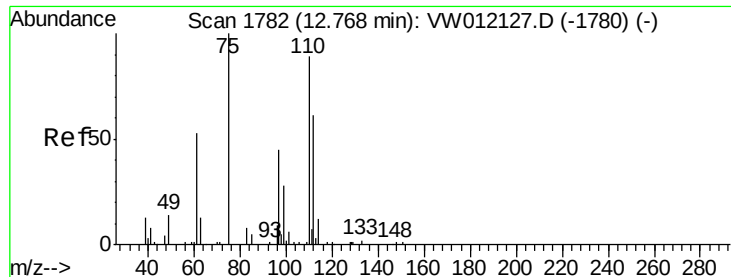
115 61.5 30.1 90.3

150 152.0 0.0 345.8



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

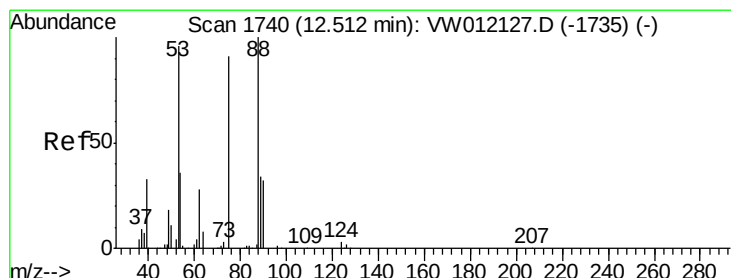
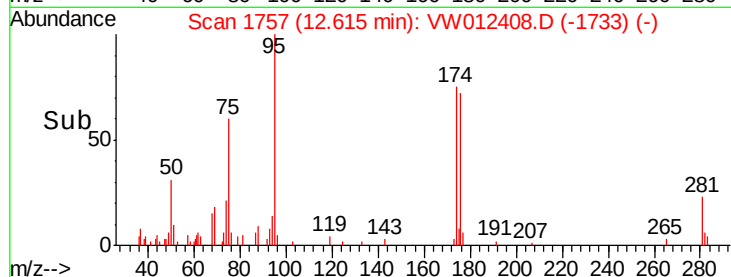
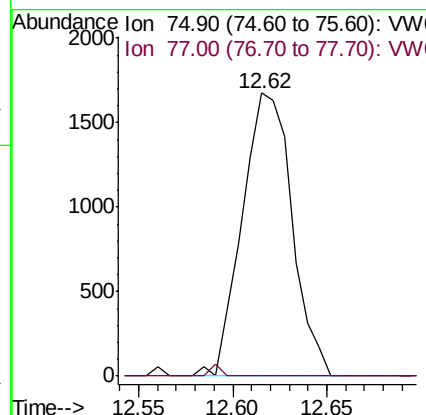
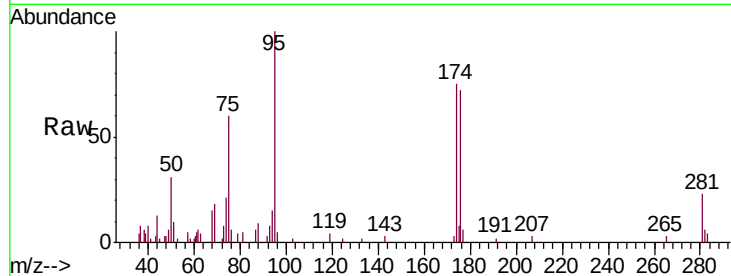




#76
 1,2,3-Trichloropropane
 Concen: 110.211 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012408.D
 Acq: 31 Aug 2019 18:35

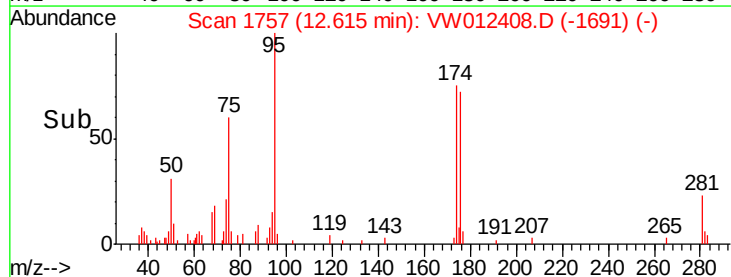
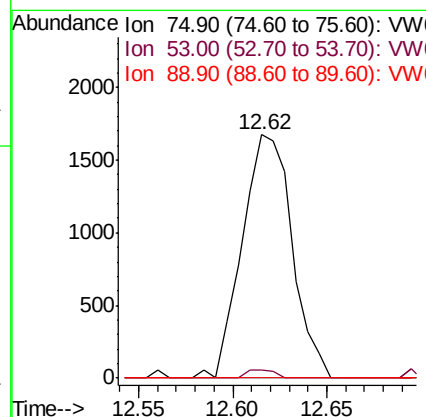
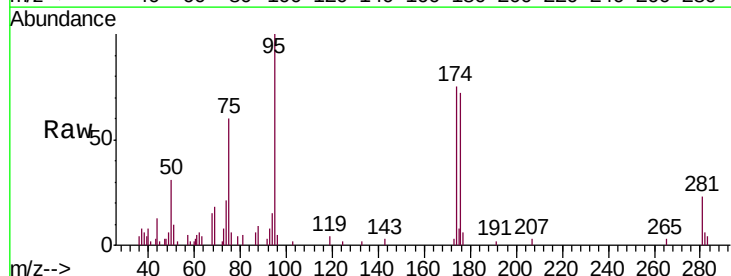
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-S-D2-(0)

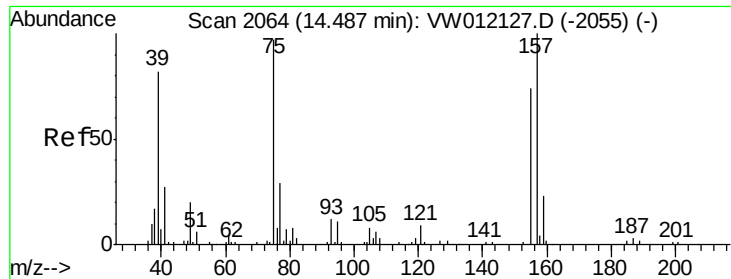
Tgt Ion: 75 Resp: 3072
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 241.641 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012408.D
 Acq: 31 Aug 2019 18:35

Tgt Ion: 75 Resp: 3072
 Ion Ratio Lower Upper
 75 100
 53 1.9 89.4 134.0#
 89 0.0 34.5 51.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.621 ug/l

RT: 14.47 min Scan# 2061

Delta R.T. -0.02 min

Lab File: VW012408.D

Acq: 31 Aug 2019 18:35

Instrument :

MSVOA_W

ClientSampleId :

T4-S-D2-(0)

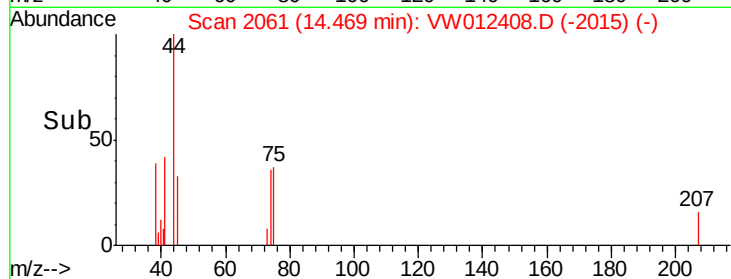
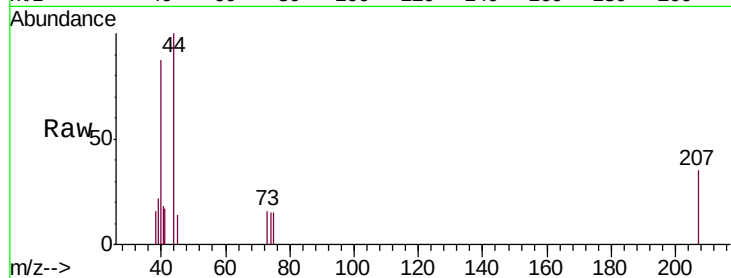
Tgt Ion: 75 Resp: 24

Ion Ratio Lower Upper

75 100

155 0.0 37.5 112.3#

157 0.0 50.5 151.5#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

