

Data File : VW012409.D
Acq On : 31 Aug 2019 19:01
Operator : SY/VA
Sample : K4517-09
Misc : 4.88G/5ML/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T4-S-D2-(2.5)

Quant Time: Sep 01 03:33:16 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	19644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	29236	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	23797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	5946	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	13120	56.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.36%	
35) Dibromofluoromethane	7.88	113	9890	56.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.34%	
50) Toluene-d8	10.32	98	35348	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.62	95	8877	35.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.18%	

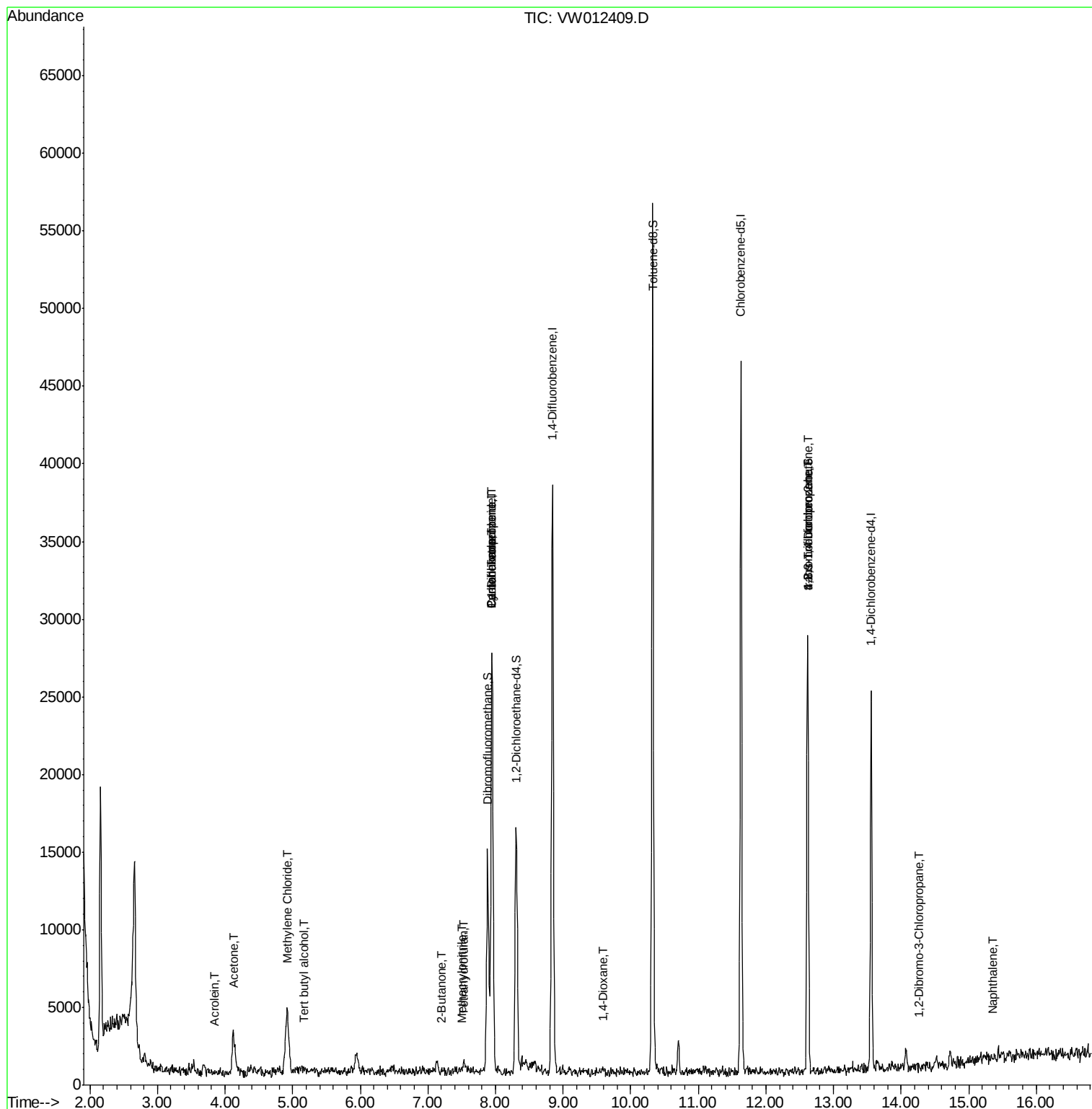
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.17	59	25	1.779	ug/l #	71
13) Acrolein	3.85	56	19	1.436	ug/l #	15
16) Acetone	4.13	43	5112	85.639	ug/l	92
20) Methylene Chloride	4.93	84	2828	12.532	ug/l	86
25) 2-Butanone	7.20	43	224	2.762	ug/l #	56
29) Tetrahydrofuran	7.54	42	512	10.521	ug/l #	54
31) Cyclohexane	7.95	56	564	1.341	ug/l #	20
36) 1,1-Dichloropropene	7.94	75	1754	5.806	ug/l #	48
38) Carbon Tetrachloride	7.95	117	2002	7.656	ug/l #	18
41) Methacrylonitrile	7.49	41	125	1.285	ug/l #	58
49) 1,4-Dioxane	9.60	88	27	17.854	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	4878	84.234	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	4878	184.687	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.27	75	52	3.776	ug/l #	5
95) Naphthalene	15.36	128	19	4.398	ug/l #	69

(#) = 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: VW012409.D

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Instrument :

MSVOA_W

ClientSampleId :

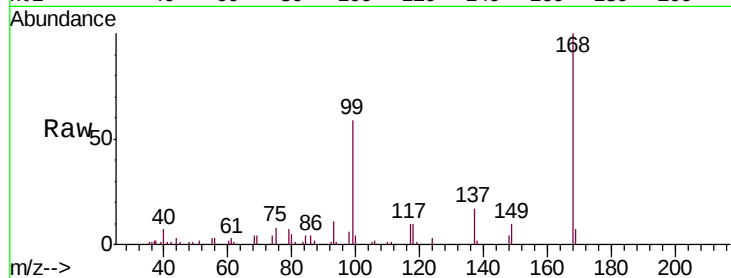
T4-S-D2-(2.5)

Tgt Ion:168 Resp: 19644

Ion Ratio Lower Upper

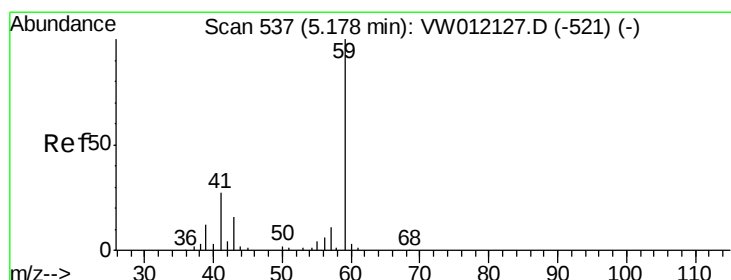
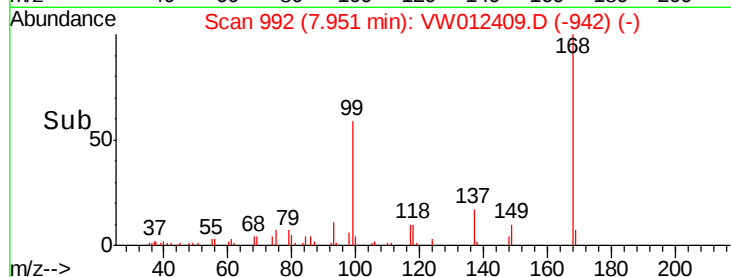
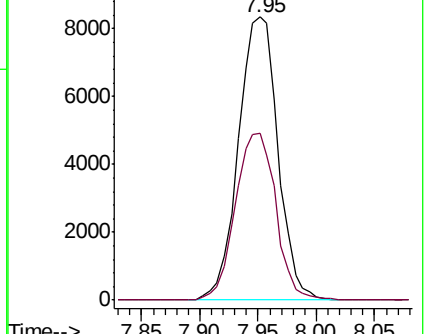
168 100

99 59.0 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: 1.779 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW012409.D

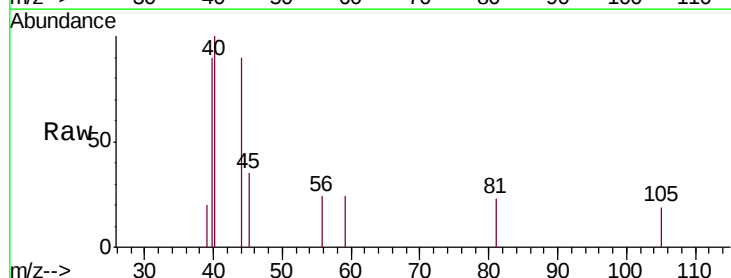
Acq: 31 Aug 2019 19:01

Tgt Ion: 59 Resp: 25

Ion Ratio Lower Upper

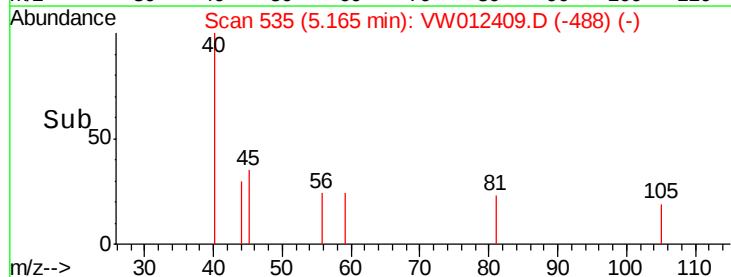
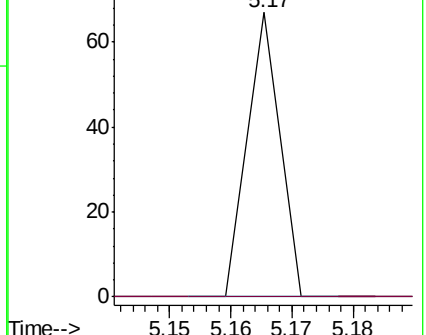
59 100

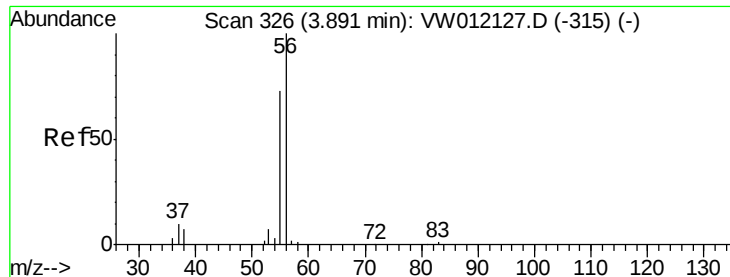
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.436 ug/l

RT: 3.85 min Scan# 319

Delta R.T. -0.04 min

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Acq: 31 Aug 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

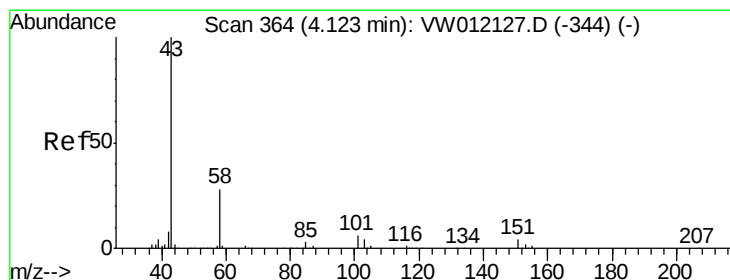
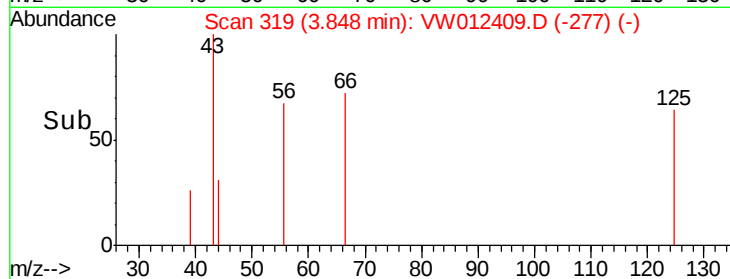
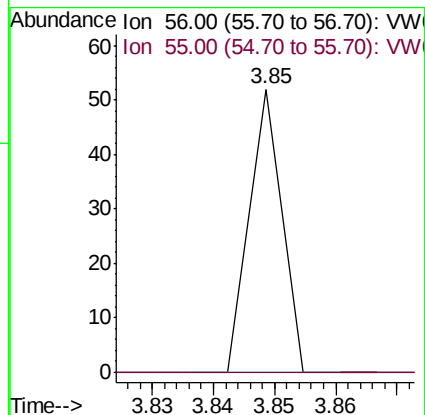
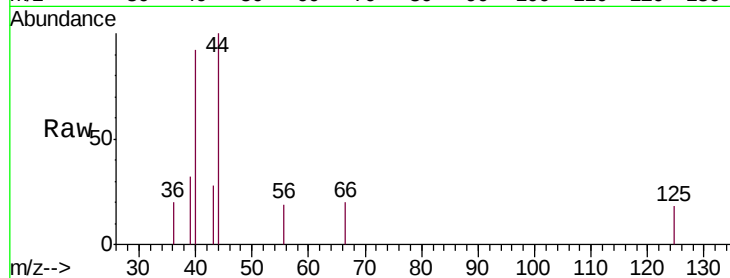
T4-S-D2-(2.5)

Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#16

Acetone

Concen: 85.639 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW012409.D

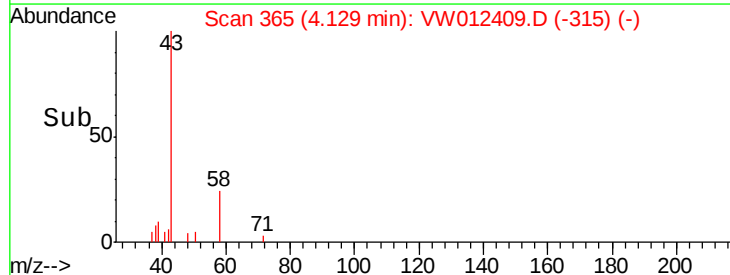
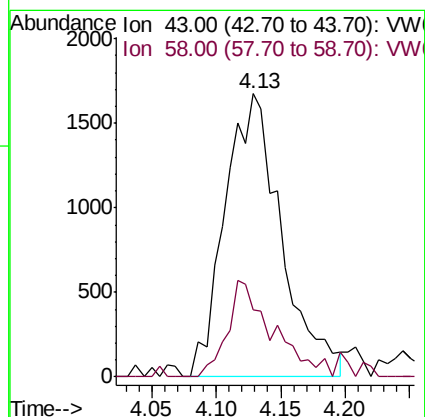
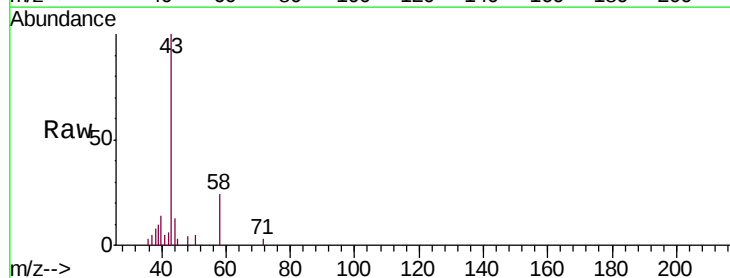
Acq: 31 Aug 2019 19:01

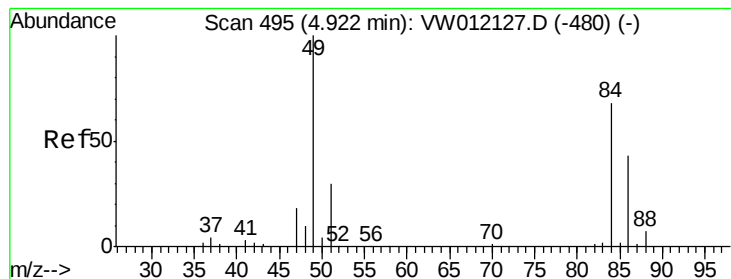
Tgt Ion: 43 Resp: 5112

Ion Ratio Lower Upper

43 100

58 23.7 22.4 33.6





#20

Methylene Chloride

Concen: 12.532 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW012409.D

Acq: 31 Aug 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

T4-S-D2-(2.5)

Tgt Ion: 84 Resp: 2828

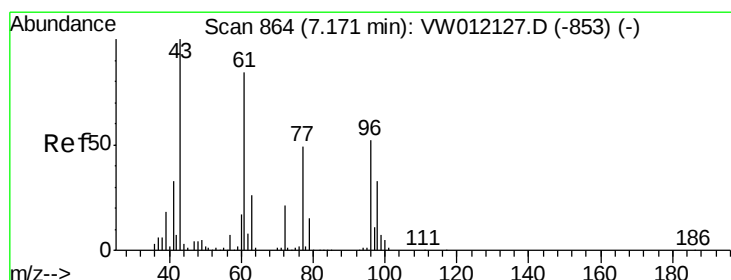
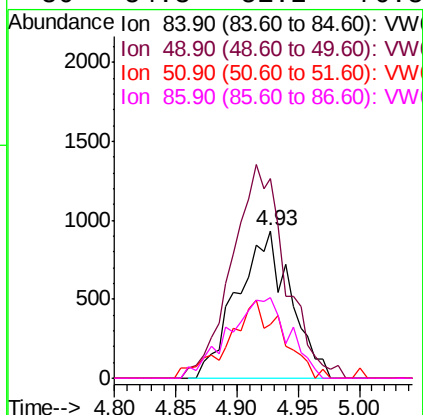
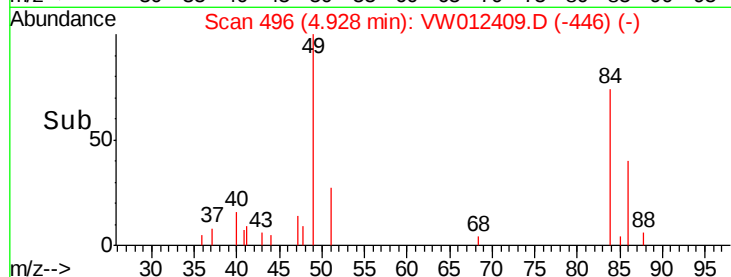
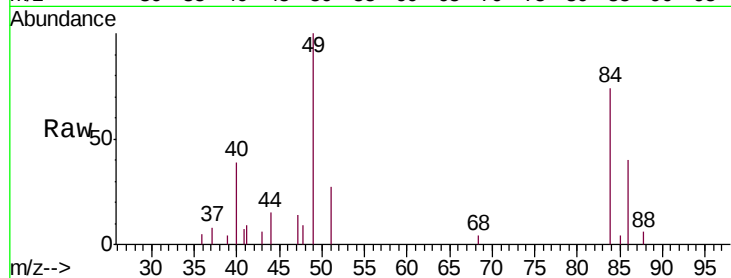
Ion Ratio Lower Upper

84 100

49 128.5 117.8 176.8

51 36.0 35.6 53.4

86 54.3 51.2 76.8



#25

2-Butanone

Concen: 2.762 ug/l

RT: 7.20 min Scan# 869

Delta R.T. 0.03 min

Lab File: VW012409.D

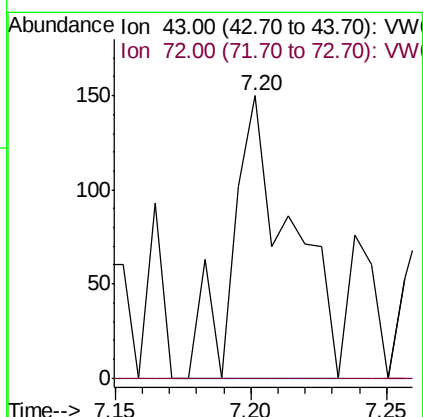
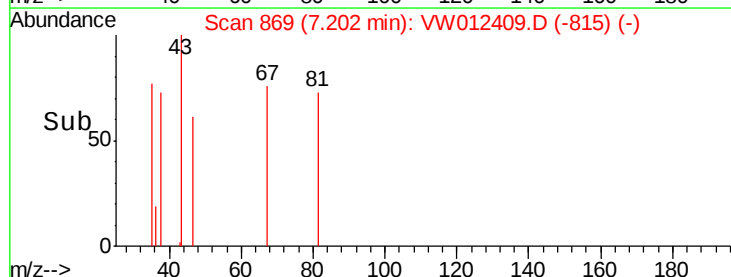
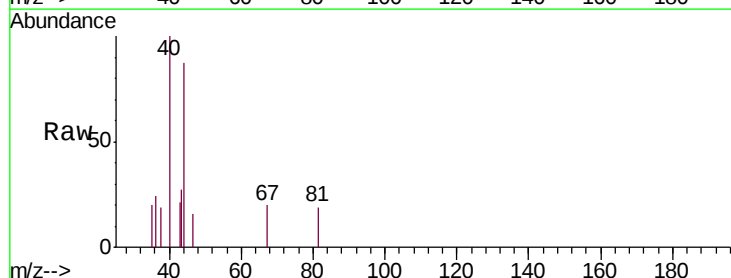
Acq: 31 Aug 2019 19:01

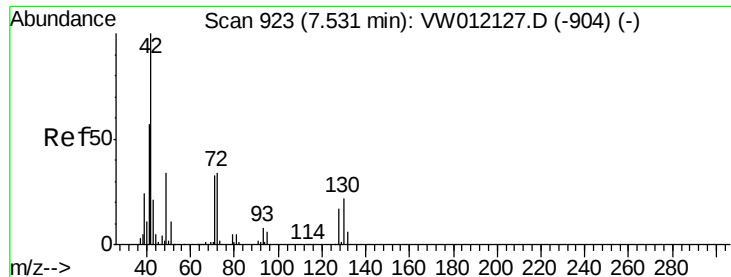
Tgt Ion: 43 Resp: 224

Ion Ratio Lower Upper

43 100

72 0.0 16.6 24.8#

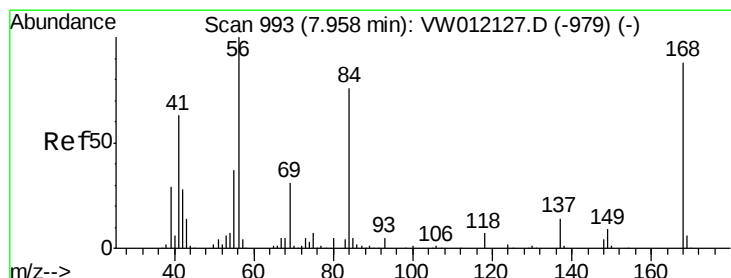
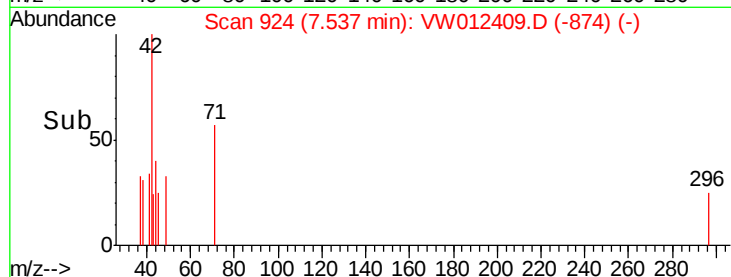
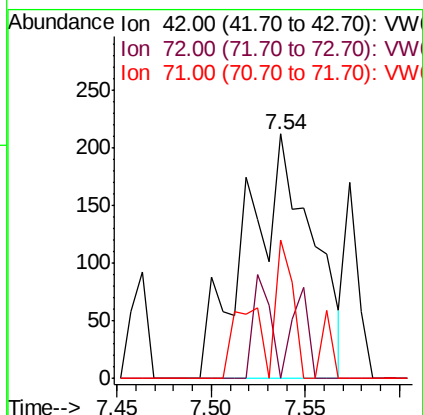
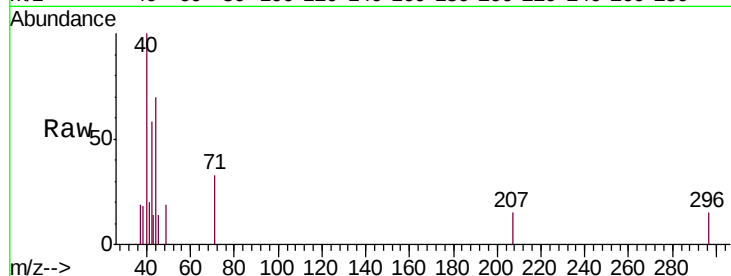




#29
Tetrahydrofuran
Concen: 10.521 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012409.D
Acq: 31 Aug 2019 19:01

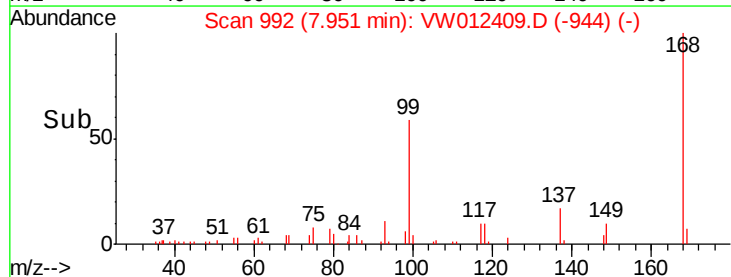
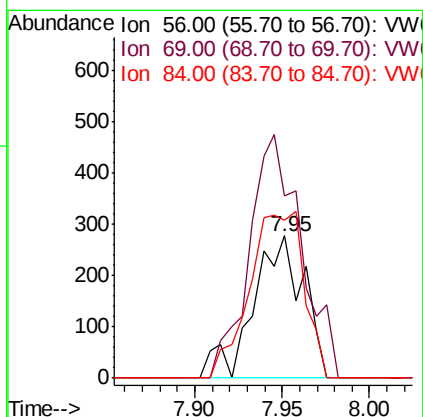
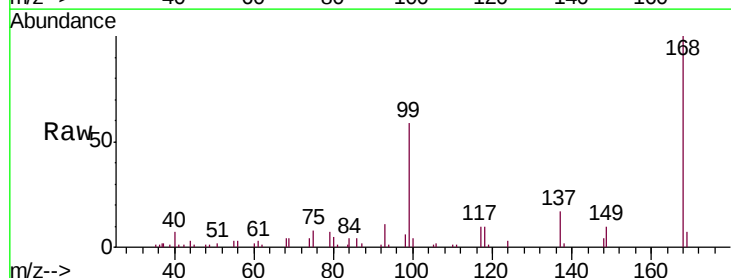
Instrument :
MSVOA_W
ClientSampled :
T4-S-D2-(2.5)

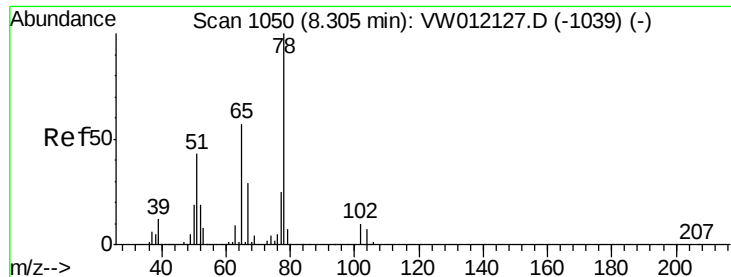
Tgt Ion: 42 Resp: 512
Ion Ratio Lower Upper
42 100
72 0.0 27.3 40.9#
71 14.5 25.5 38.3#



#31
Cyclohexane
Concen: 1.341 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012409.D
Acq: 31 Aug 2019 19:01

Tgt Ion: 56 Resp: 564
Ion Ratio Lower Upper
56 100
69 128.2 24.9 37.3#
84 110.8 60.6 90.8#





#33

1,2-Dichloroethane-d4

Concen: 56.184 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012409.D

Acq: 31 Aug 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

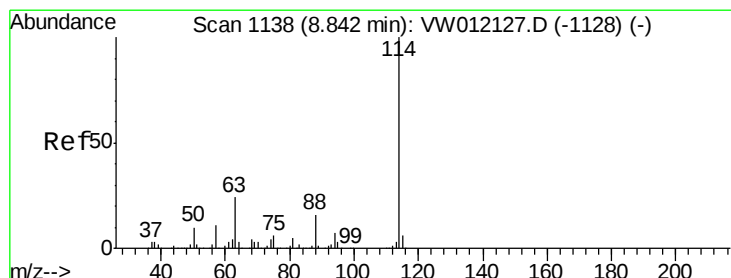
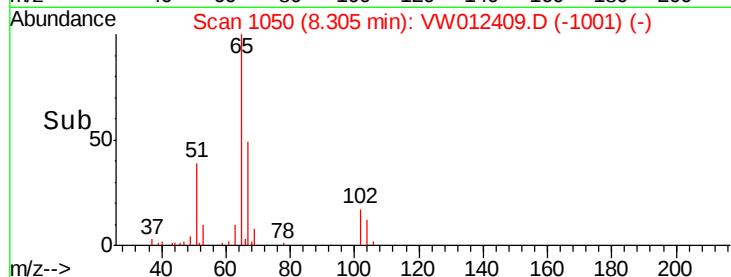
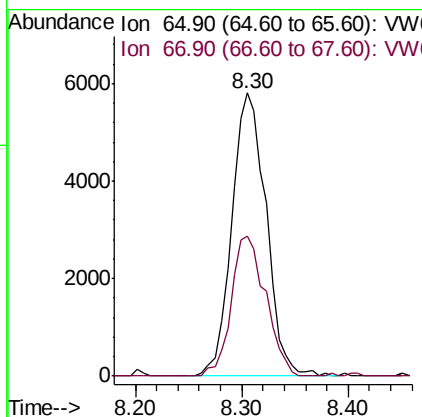
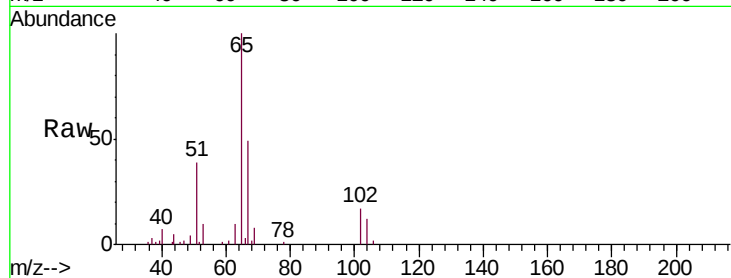
T4-S-D2-(2.5)

Tgt Ion: 65 Resp: 13120

Ion Ratio Lower Upper

65 100

67 49.6 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: VW012409.D

Acq: 31 Aug 2019 19:01

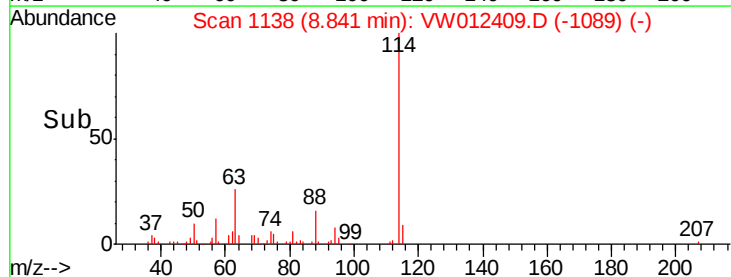
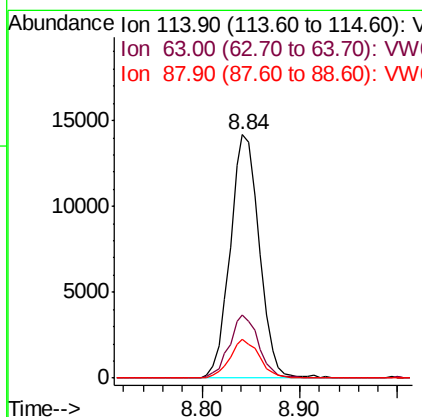
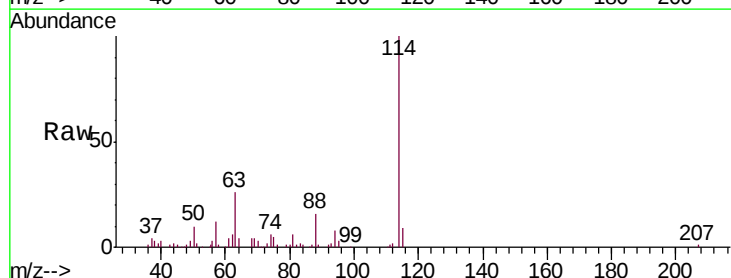
Tgt Ion: 114 Resp: 29236

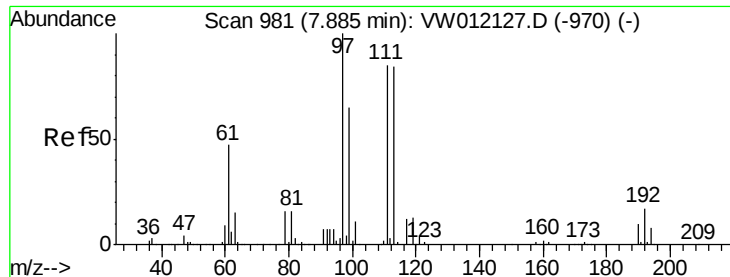
Ion Ratio Lower Upper

114 100

63 25.9 0.0 48.6

88 16.0 0.0 32.2

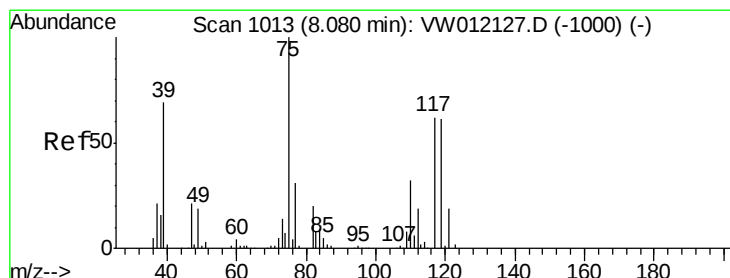
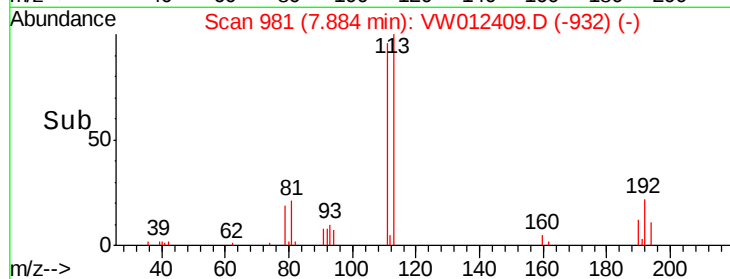
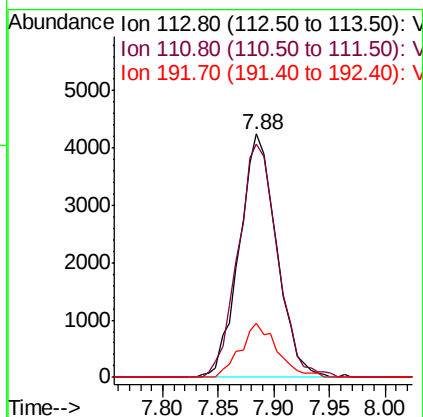
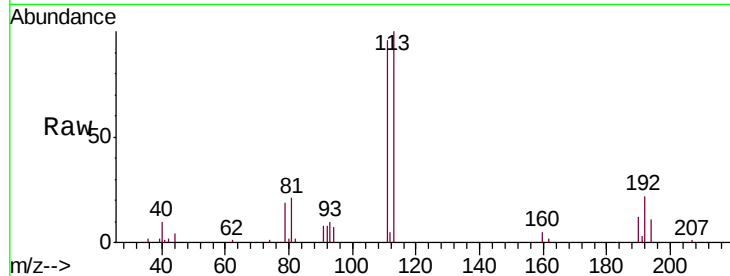




#35
 Dibromofluoromethane
 Concen: 56.673 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012409.D
 Acq: 31 Aug 2019 19:01

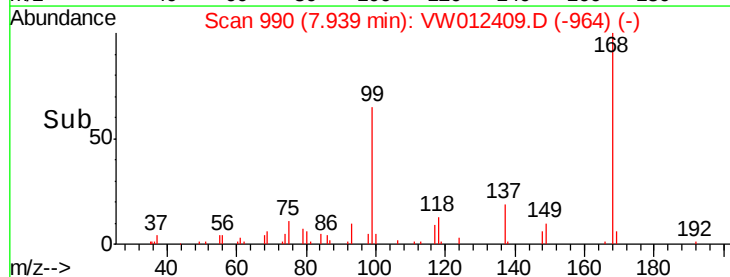
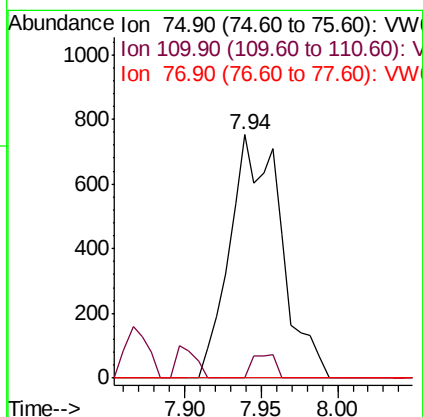
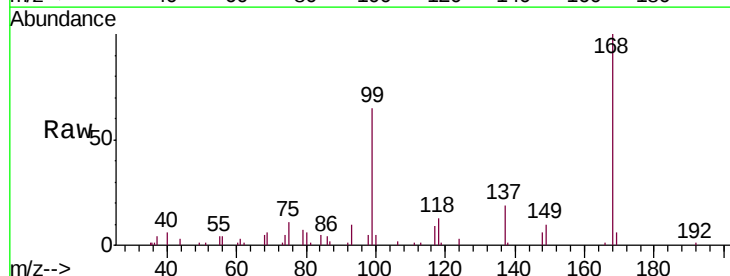
Instrument :
 MSVOA_W
 ClientSampled :
 T4-S-D2-(2.5)

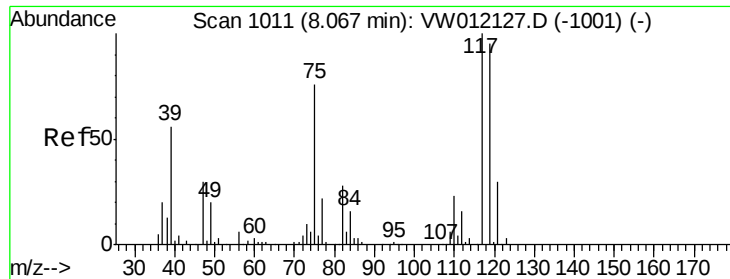
Tgt Ion: 113 Resp: 9890
 Ion Ratio Lower Upper
 113 100
 111 101.2 82.7 124.1
 192 21.8 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.806 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012409.D
 Acq: 31 Aug 2019 19:01

Tgt Ion: 75 Resp: 1754
 Ion Ratio Lower Upper
 75 100
 110 4.4 15.6 46.8#
 77 0.0 24.6 36.8#

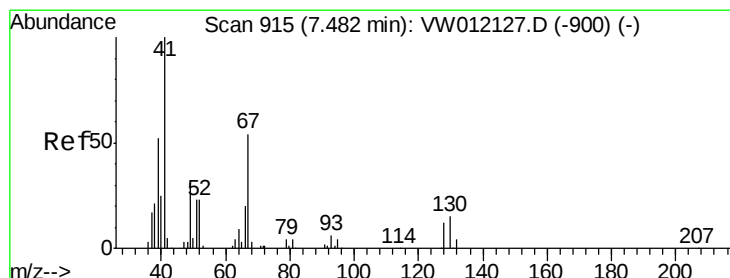
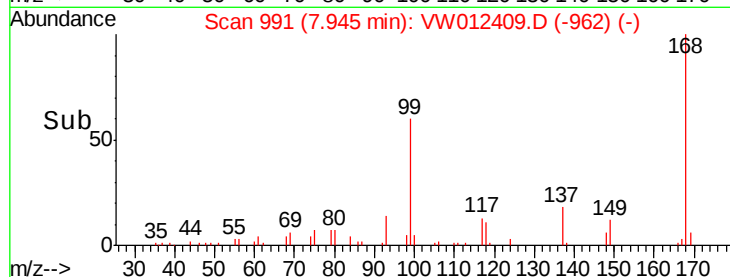
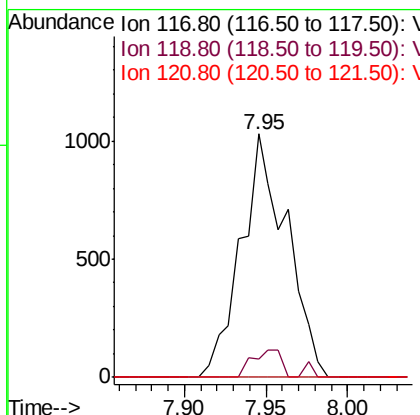
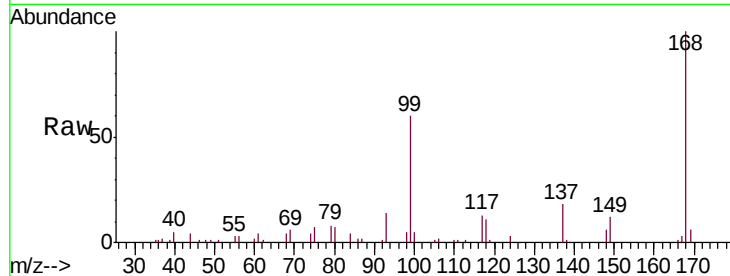




#38
Carbon Tetrachloride
Concen: 7.656 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012409.D
Acq: 31 Aug 2019 19:01

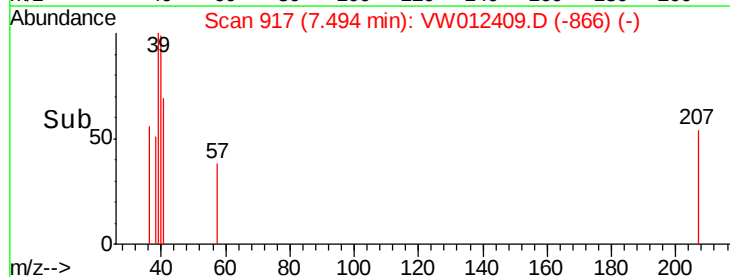
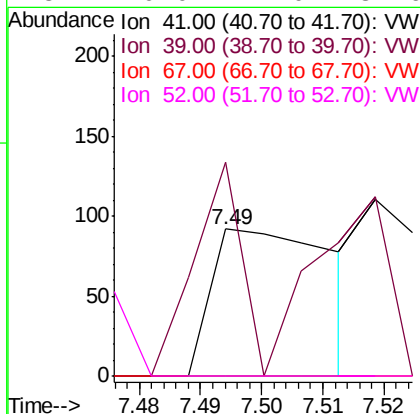
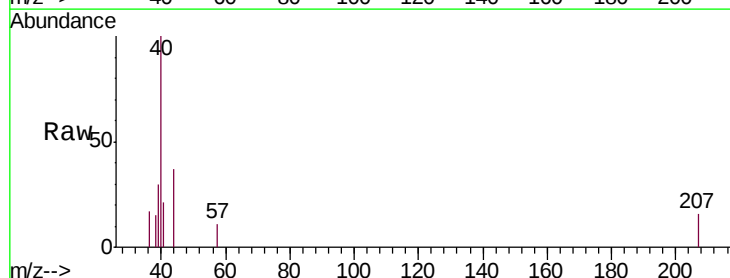
Instrument :
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T4-S-D2-(2.5)

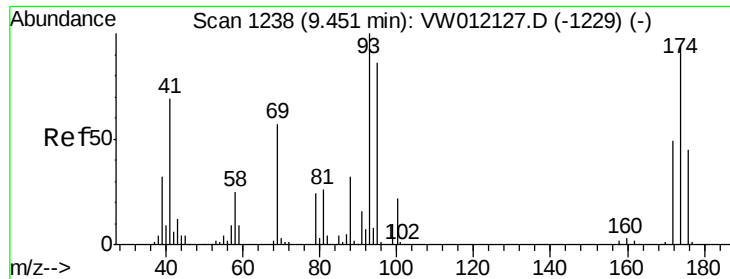
Tgt Ion: 117 Resp: 2002
Ion Ratio Lower Upper
117 100
119 7.7 76.2 114.2#
121 0.0 23.8 35.8#



#41
Methacrylonitrile
Concen: 1.285 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW012409.D
Acq: 31 Aug 2019 19:01

Tgt Ion: 41 Resp: 125
Ion Ratio Lower Upper
41 100
39 57.6 45.8 68.8
67 0.0 46.2 69.4#
52 0.0 21.0 31.6#





#49

1,4-Dioxane

Concen: 17.854 ug/l

RT: 9.60 min Scan# 1262

Delta R.T. 0.15 min

Lab File: VW012409.D

Acq: 31 Aug 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

T4-S-D2-(2.5)

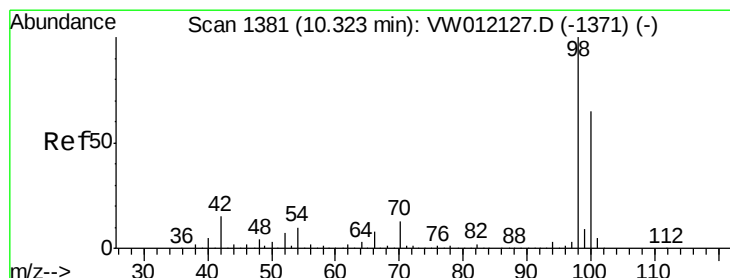
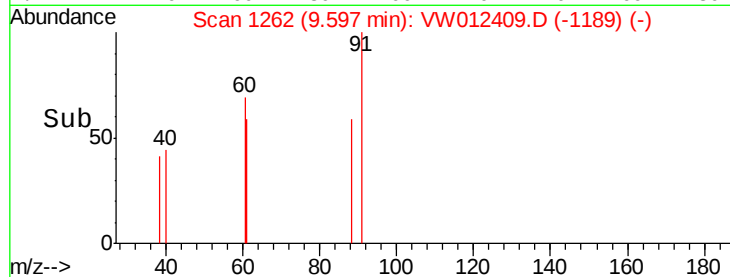
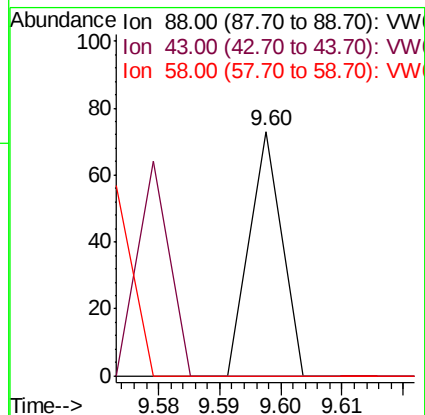
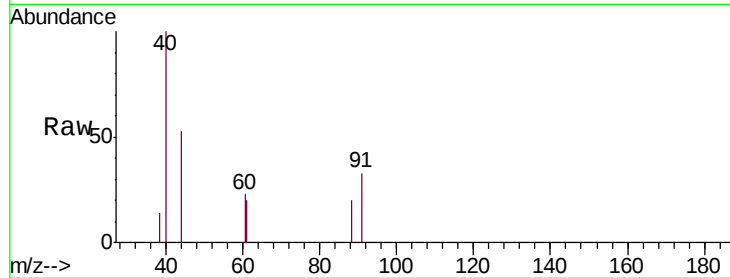
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 0.0 32.9 49.3#

58 0.0 71.0 106.4#



#50

Toluene-d8

Concen: 49.956 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012409.D

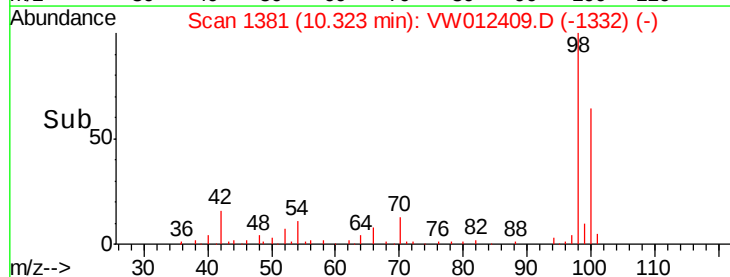
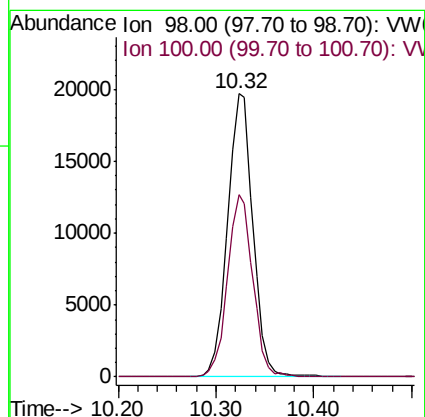
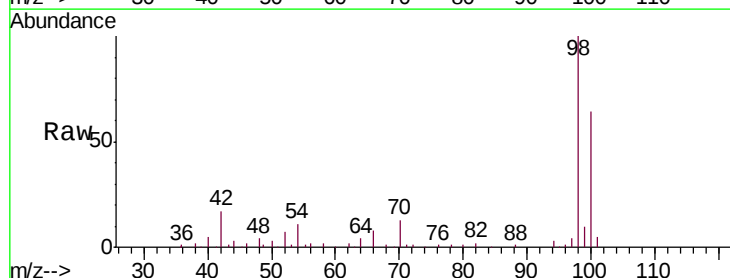
Acq: 31 Aug 2019 19:01

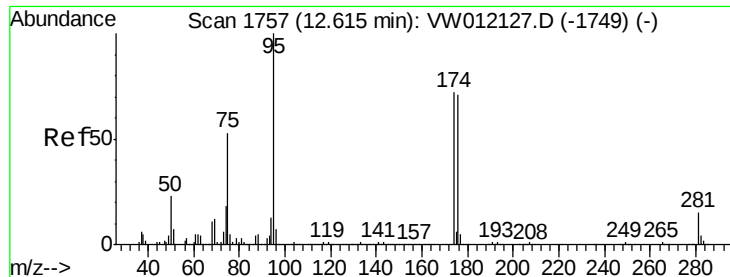
Tgt Ion: 98 Resp: 35348

Ion Ratio Lower Upper

98 100

100 63.9 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 35.590 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW012409.D

Acq: 31 Aug 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

T4-S-D2-(2.5)

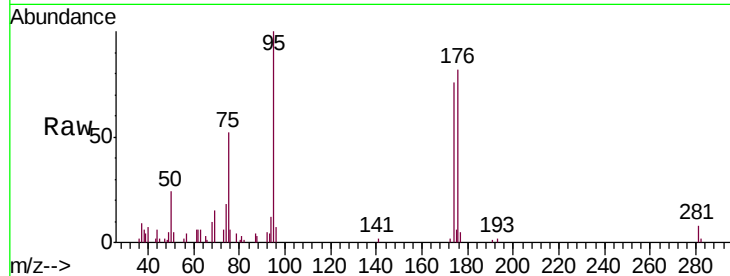
Tgt Ion: 95 Resp: 8877

Ion Ratio Lower Upper

95 100

174 79.1 0.0 150.8

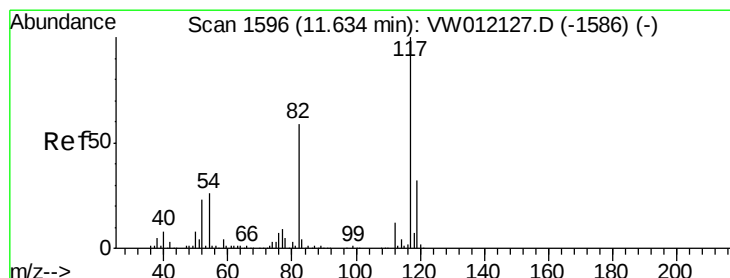
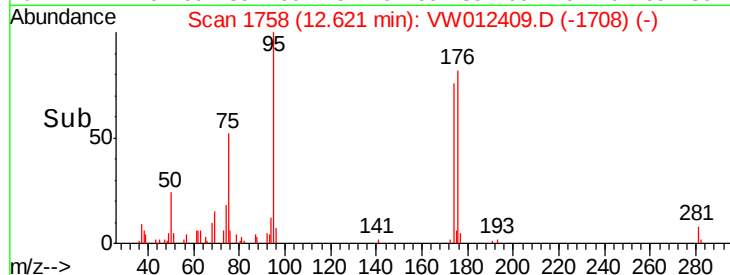
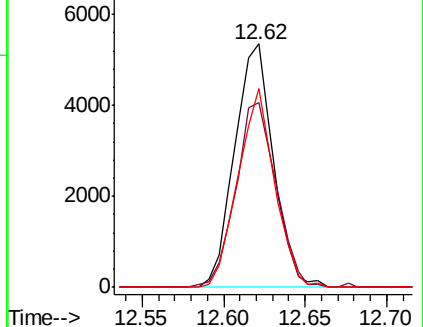
176 77.2 0.0 148.6



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: VW012409.D

Acq: 31 Aug 2019 19:01

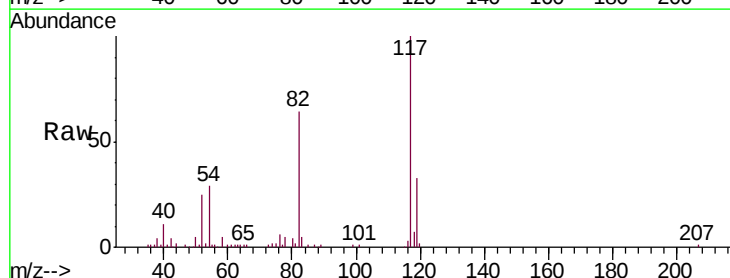
Tgt Ion: 117 Resp: 23797

Ion Ratio Lower Upper

117 100

82 63.9 47.4 71.2

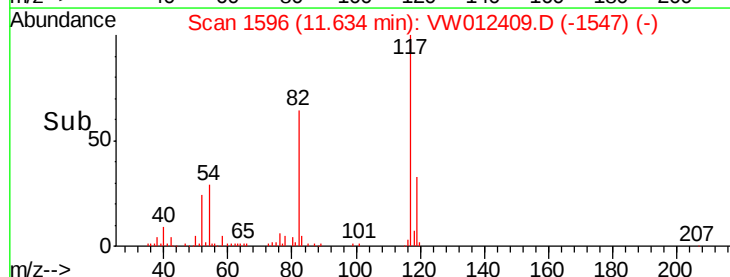
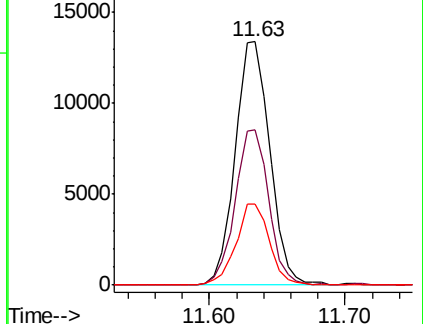
119 33.1 25.4 38.2

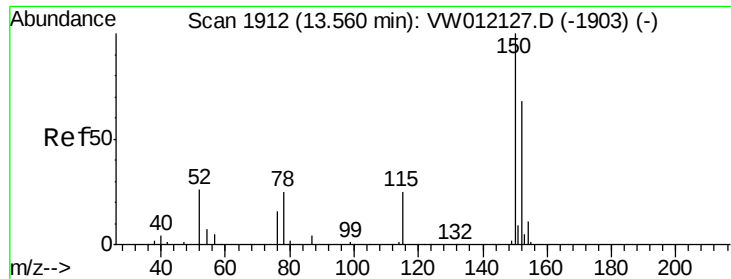


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012409.D

Acq: 31 Aug 2019 19:01

Instrument :

MSVOA_W

ClientSampleId :

T4-S-D2-(2.5)

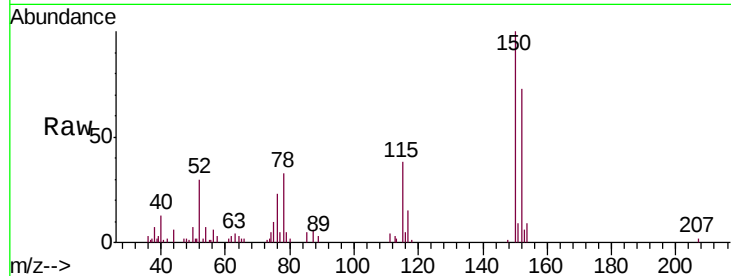
Tgt Ion:152 Resp: 5946

Ion Ratio Lower Upper

152 100

115 61.2 30.1 90.3

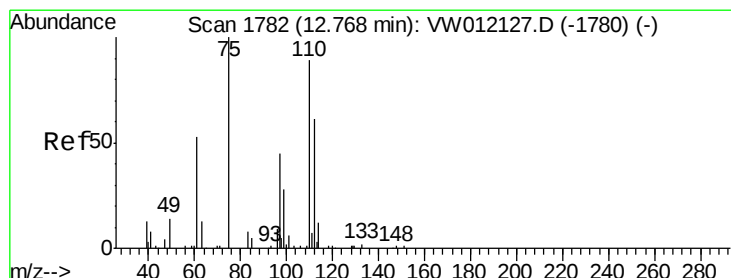
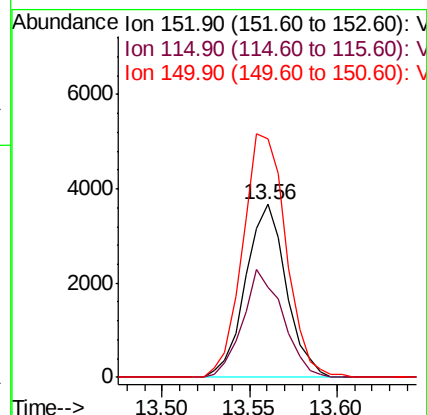
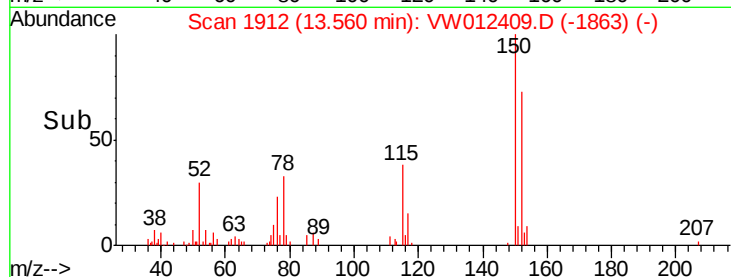
150 149.6 0.0 345.8



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: 84.234 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012409.D

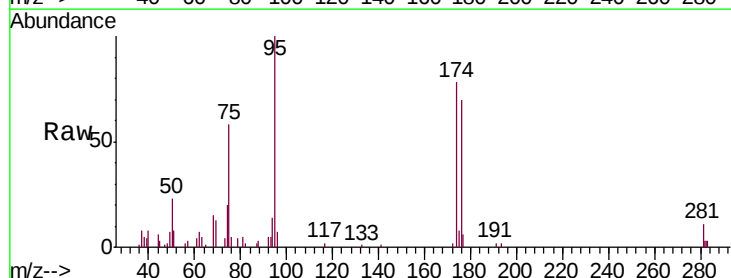
Acq: 31 Aug 2019 19:01

Tgt Ion: 75 Resp: 4878

Ion Ratio Lower Upper

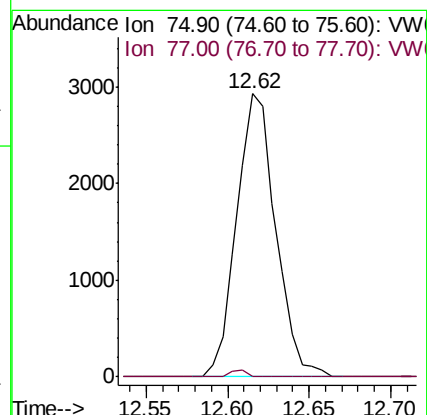
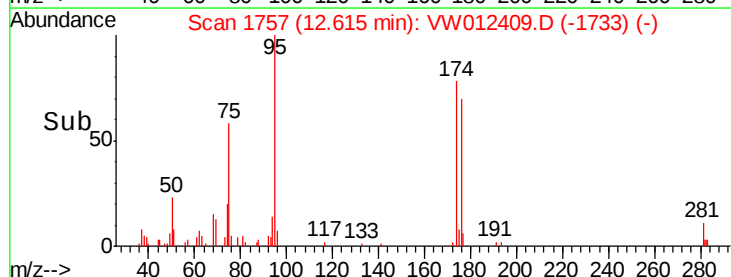
75 100

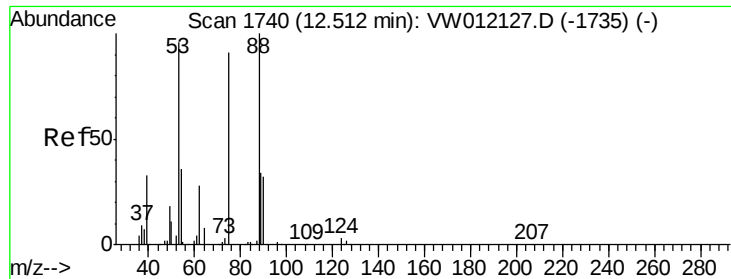
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

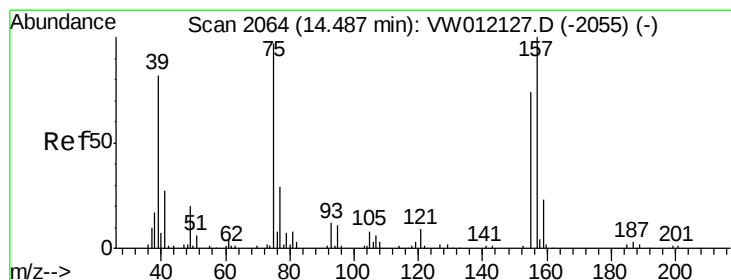
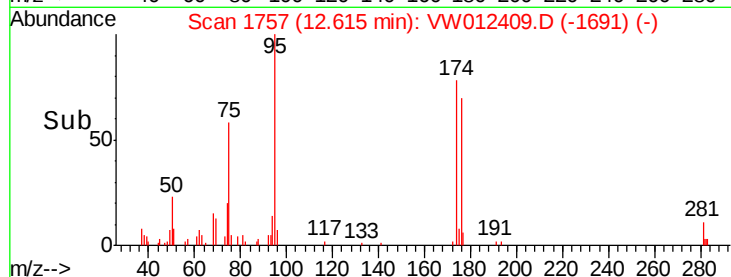
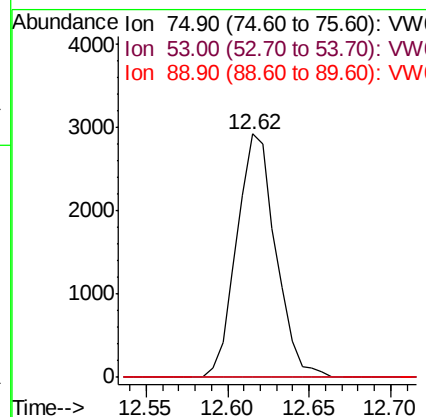
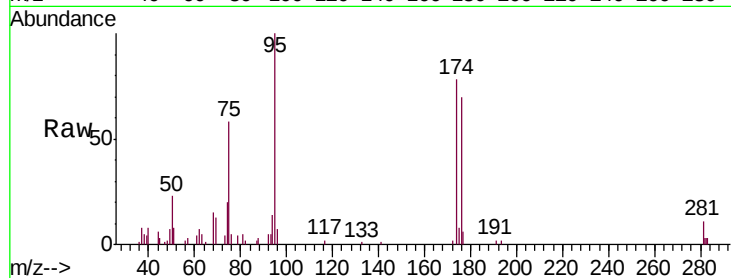




#81
 trans-1,4-Dichloro-2-butene
 Concen: 184.687 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012409.D
 Acq: 31 Aug 2019 19:01

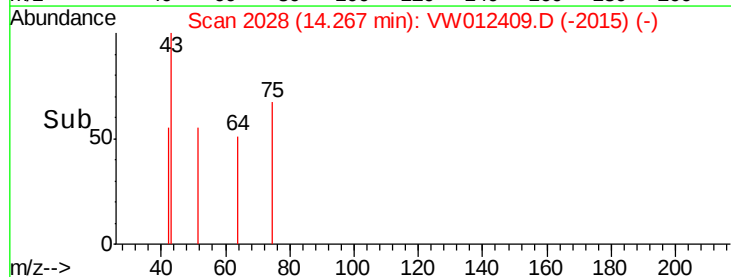
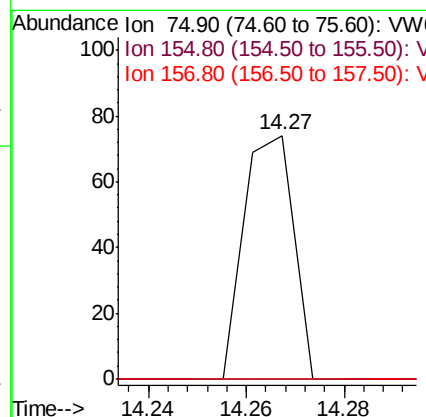
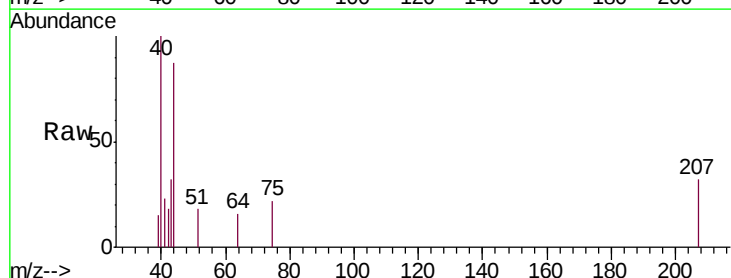
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-S-D2-(2.5)

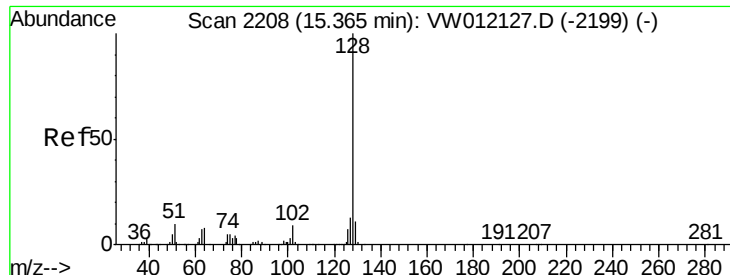
Tgt Ion: 75 Resp: 4878
 Ion Ratio Lower Upper
 75 100
 53 0.0 89.4 134.0#
 89 0.0 34.5 51.7#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.776 ug/l
 RT: 14.27 min Scan# 2028
 Delta R.T. -0.22 min
 Lab File: VW012409.D
 Acq: 31 Aug 2019 19:01

Tgt Ion: 75 Resp: 52
 Ion Ratio Lower Upper
 75 100
 155 0.0 37.5 112.3#
 157 0.0 50.5 151.5#





#95
 Naphthalene
 Concen: 4.398 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW012409.D
 Acq: 31 Aug 2019 19:01

Instrument :
 MSVOA_W
 ClientSampleId :
 T4-S-D2-(2.5)

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

