

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090119\
 Data File : VW012457.D
 Acq On : 01 Sep 2019 19:05
 Operator : SY/VA
 Sample : K4516-09RE
 Misc : 5.48G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S-E-(2.5)

Quant Time: Sep 02 07:20:54 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	197286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	324985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	265590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	97168	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	132418	56.46	ug/l	0.00
Spiked Amount			Recovery	=	112.92%	
35) Dibromofluoromethane	7.88	113	103141	53.17	ug/l	0.00
Spiked Amount			Recovery	=	106.34%	
50) Toluene-d8	10.32	98	397846	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
62) 4-Bromofluorobenzene	12.62	95	118644	42.79	ug/l	0.00
Spiked Amount			Recovery	=	85.58%	

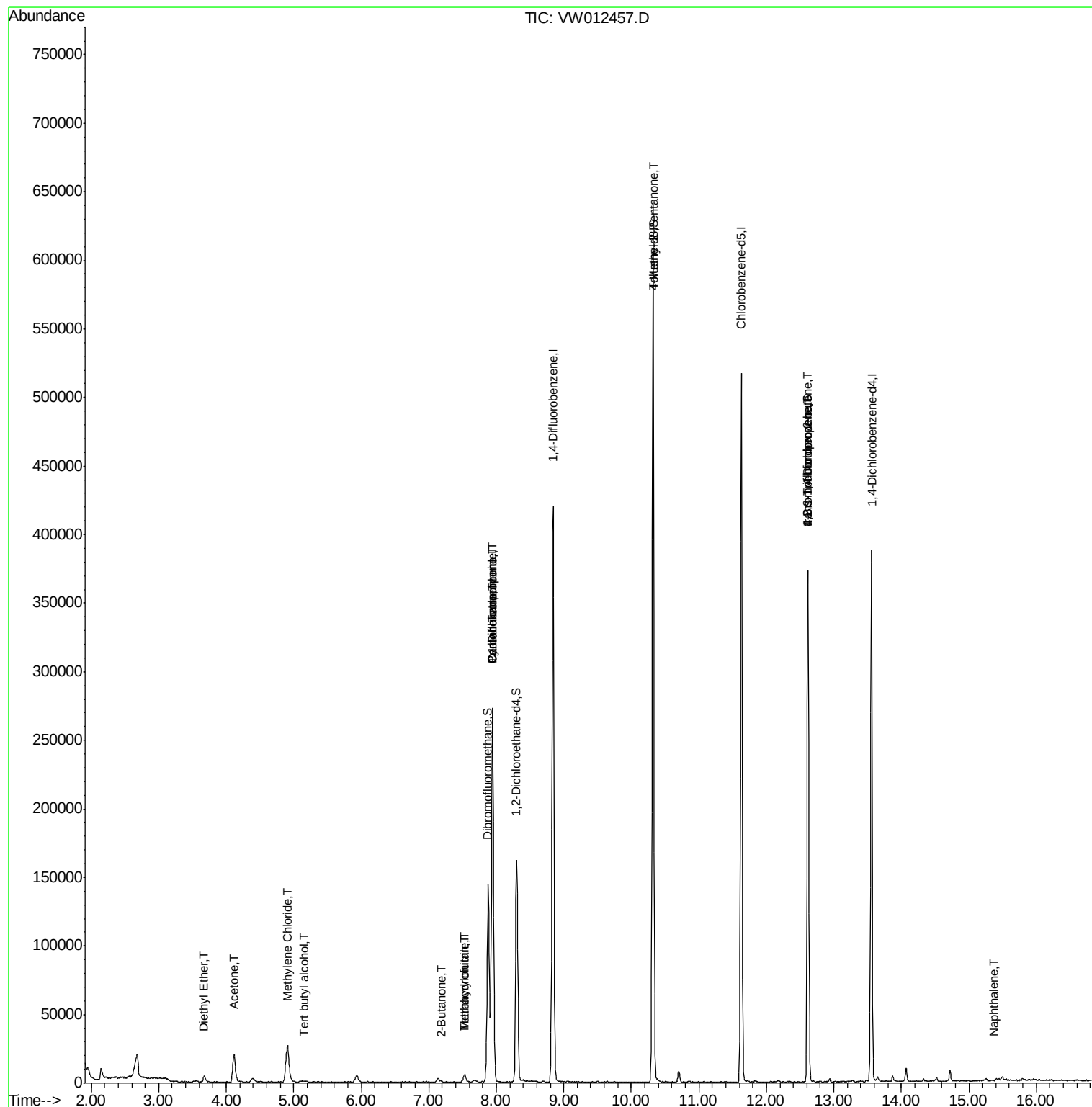
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	2219	2.021	ug/l	87
11) Tert butyl alcohol	5.16	59	716	5.073	ug/l #	88
16) Acetone	4.12	43	37301	62.221	ug/l	98
20) Methylene Chloride	4.91	84	18932	8.354	ug/l	98
25) 2-Butanone	7.19	43	867	1.064	ug/l #	56
29) Tetrahydrofuran	7.54	42	4854	9.931	ug/l	95
31) Cyclohexane	7.95	56	5058	1.197	ug/l #	3
36) 1,1-Dichloropropene	7.95	75	16725	4.980	ug/l #	52
38) Carbon Tetrachloride	7.95	117	19951	6.864	ug/l #	16
41) Methacrylonitrile	7.52	41	2895	2.677	ug/l #	58
51) 4-Methyl-2-Pentanone	10.32	43	2613	1.507	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	64044	67.675	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	64044	148.380	ug/l #	6
95) Naphthalene	15.36	128	100	4.346	ug/l #	69

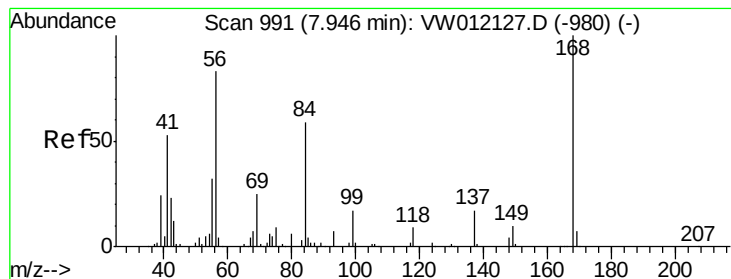
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW090119\
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Quant Title : SW846 8260
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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: VW012457.D

Acq: 01 Sep 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

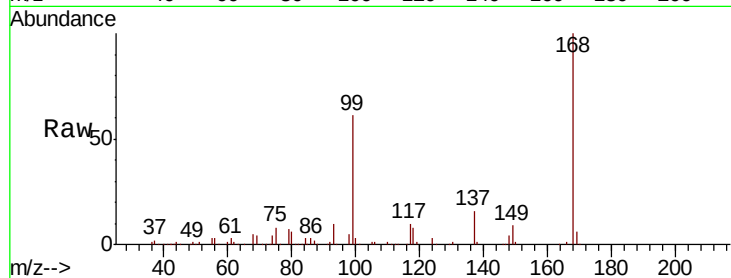
T1-S-E-(2.5)

Tgt Ion:168 Resp: 197286

Ion Ratio Lower Upper

168 100

99 60.6 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

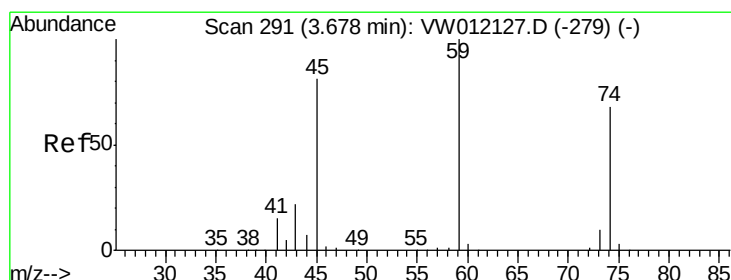
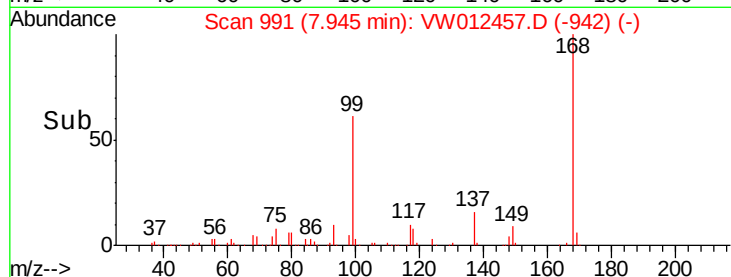
40000

20000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 2.021 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VW012457.D

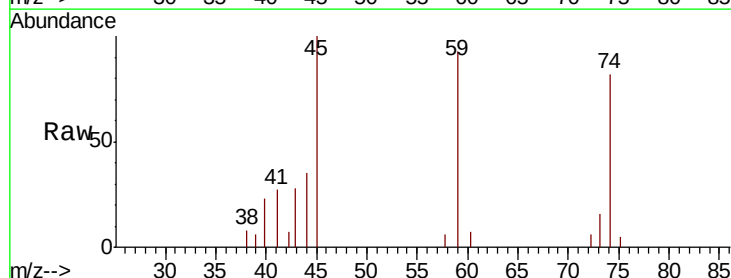
Acq: 01 Sep 2019 19:05

Tgt Ion: 74 Resp: 2219

Ion Ratio Lower Upper

74 100

45 132.7 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

1200

1000

800

600

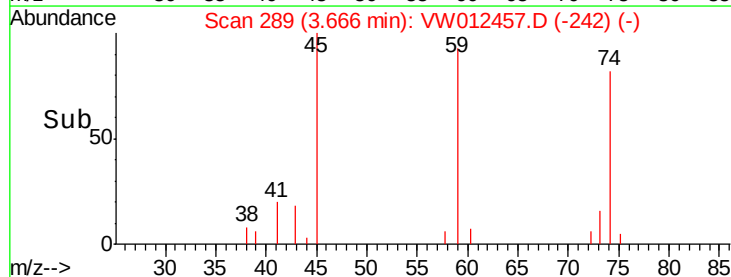
400

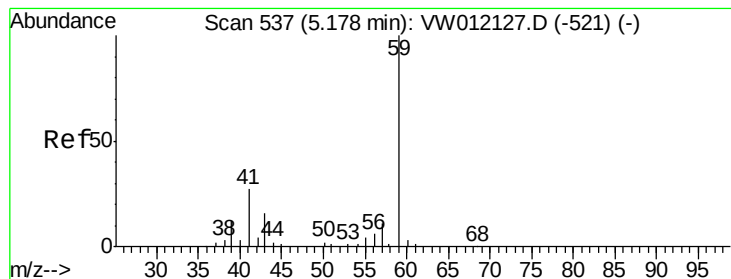
200

0

3.60 3.65 3.70 3.75

Time-->



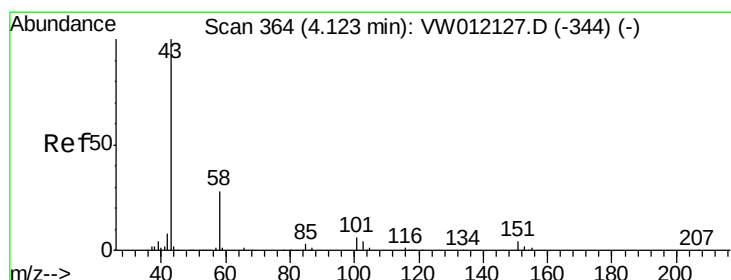
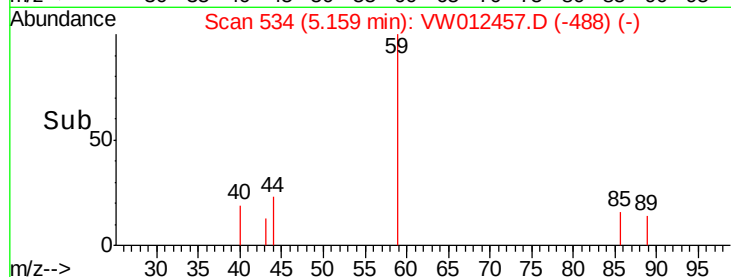
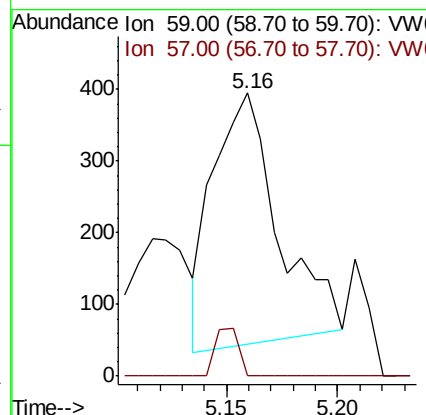
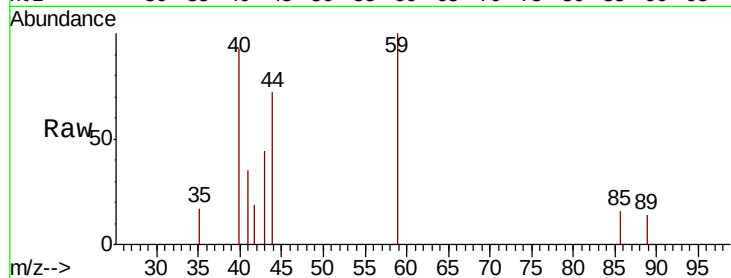


#11

Tert butyl alcohol
 Concen: 5.073 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.02 min
 Lab File: VW012457.D
 Acq: 01 Sep 2019 19:05

Instrument :
 MSVOA_W
 ClientSampled :
 T1-S-E-(2.5)

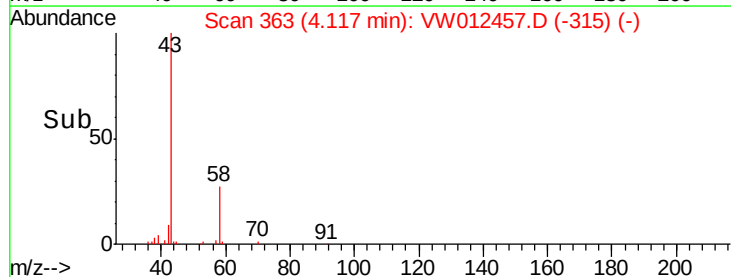
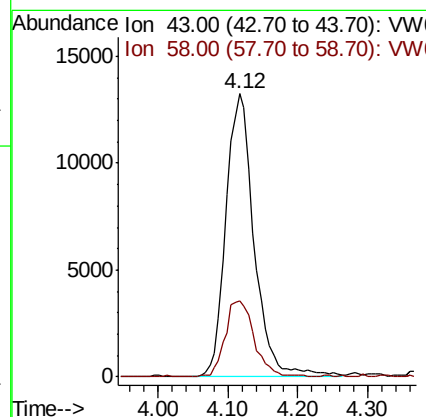
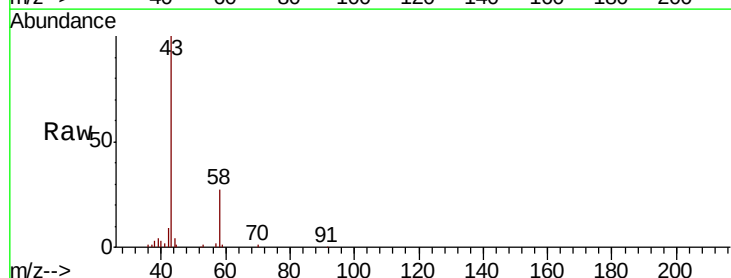
Tgt Ion: 59 Resp: 716
 Ion Ratio Lower Upper
 59 100
 57 6.7 9.0 13.4#

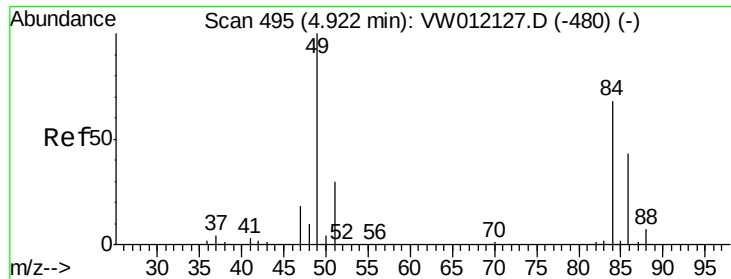


#16

Acetone
 Concen: 62.221 ug/l
 RT: 4.12 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VW012457.D
 Acq: 01 Sep 2019 19:05

Tgt Ion: 43 Resp: 37301
 Ion Ratio Lower Upper
 43 100
 58 26.7 22.4 33.6

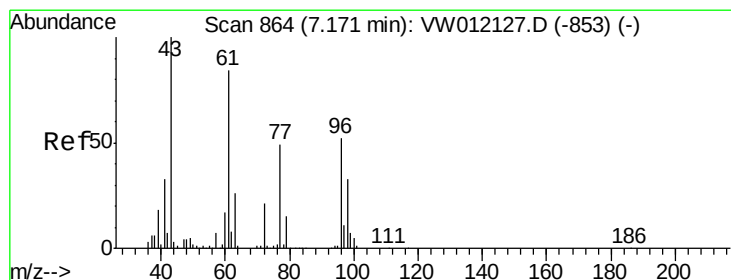
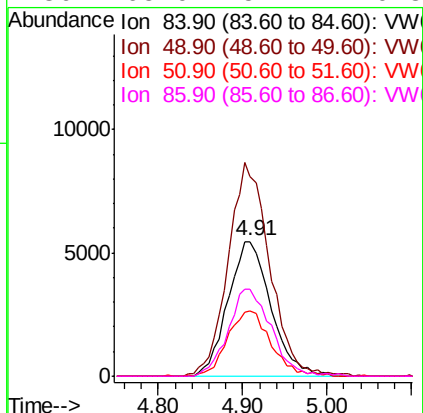
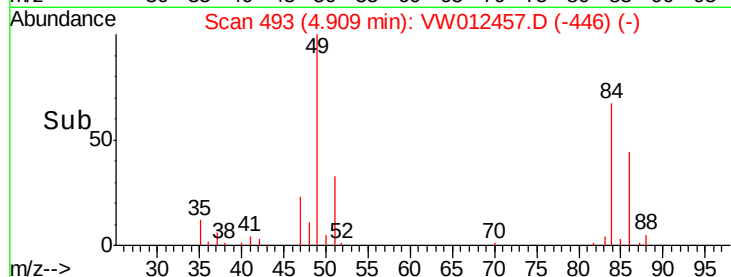
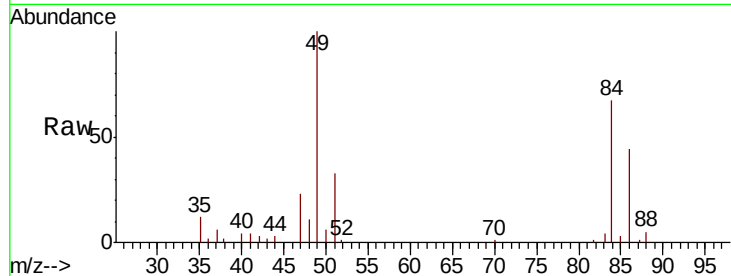




#20
Methylene Chloride
Concen: 8.354 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012457.D
Acq: 01 Sep 2019 19:05

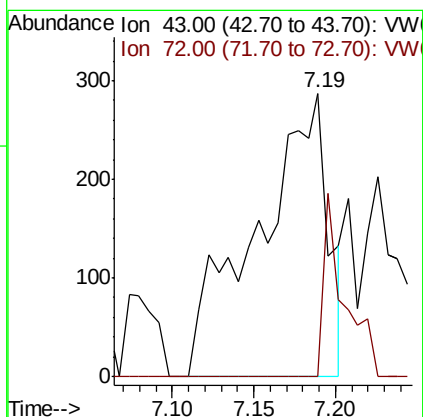
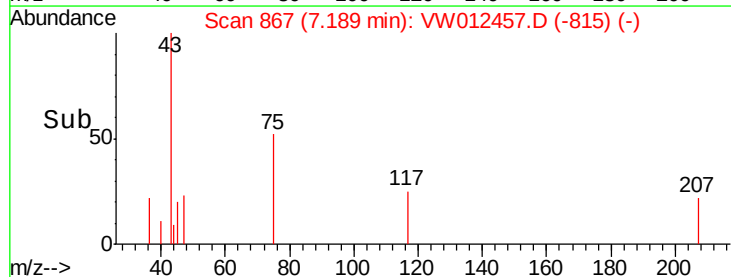
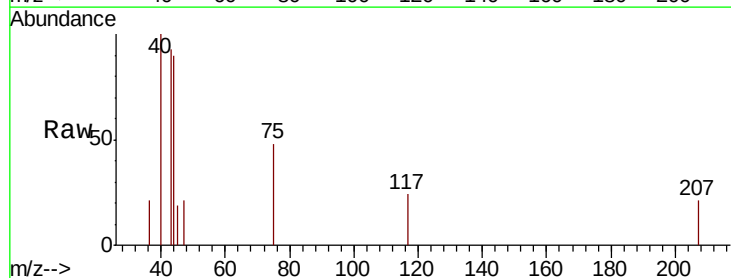
Instrument :
MSVOA_W
ClientSampleId :
T1-S-E-(2.5)

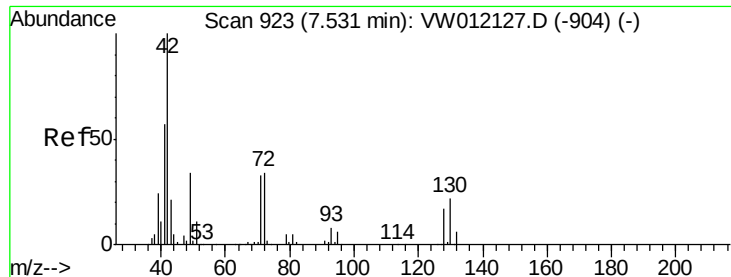
Tgt Ion:	84	Resp:	18932
Ion	Ratio	Lower	Upper
84	100		
49	146.4	117.8	176.8
51	48.6	35.6	53.4
86	65.0	51.2	76.8



#25
2-Butanone
Concen: 1.064 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW012457.D
Acq: 01 Sep 2019 19:05

Tgt Ion:	43	Resp:	867
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.6	24.8#

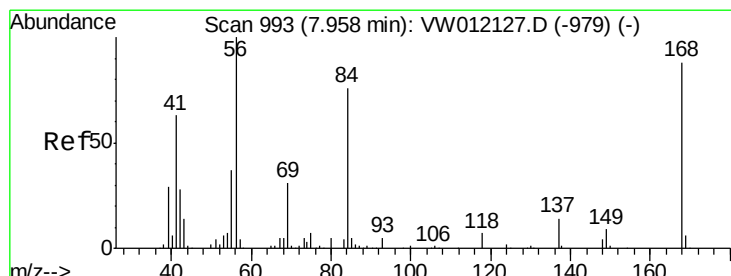
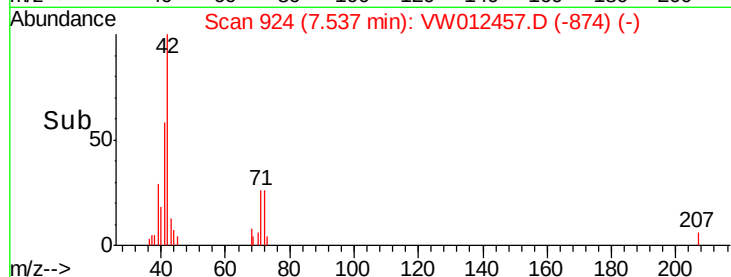
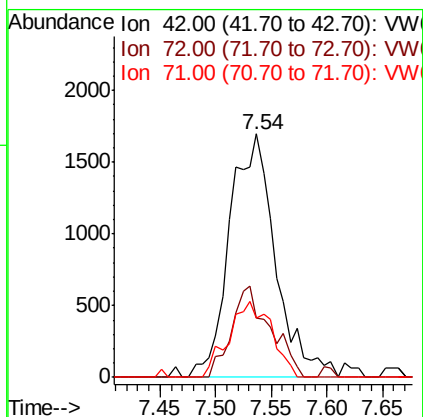
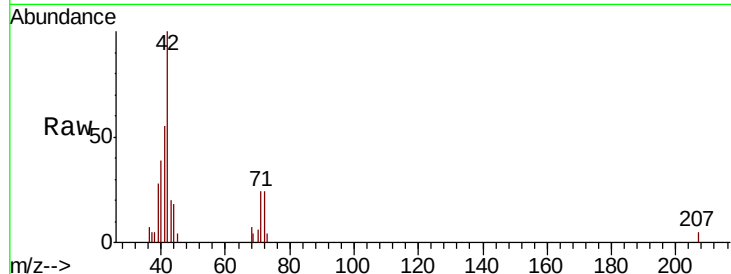




#29
Tetrahydrofuran
Concen: 9.931 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012457.D
Acq: 01 Sep 2019 19:05

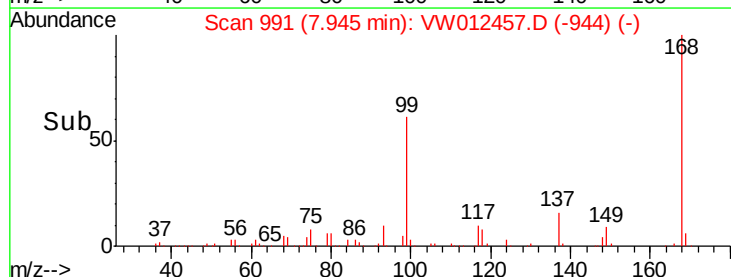
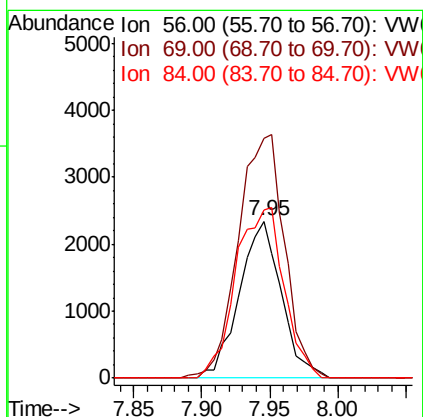
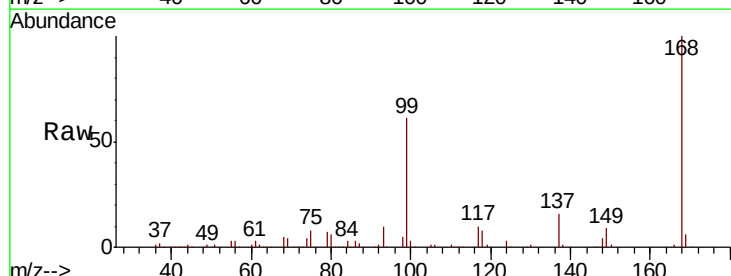
Instrument :
MSVOA_W
ClientSampleId :
T1-S-E-(2.5)

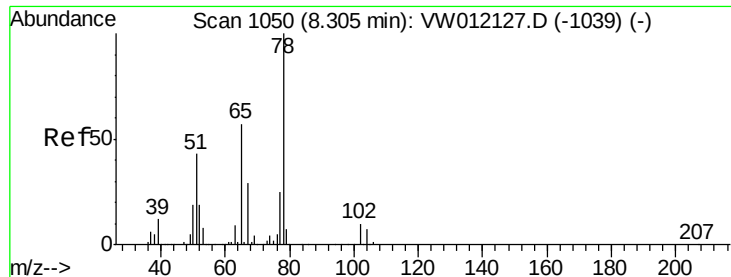
Tgt Ion: 42 Resp: 4854
Ion Ratio Lower Upper
42 100
72 31.5 27.3 40.9
71 28.9 25.5 38.3



#31
Cyclohexane
Concen: 1.197 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012457.D
Acq: 01 Sep 2019 19:05

Tgt Ion: 56 Resp: 5058
Ion Ratio Lower Upper
56 100
69 153.0 24.9 37.3#
84 114.8 60.6 90.8#

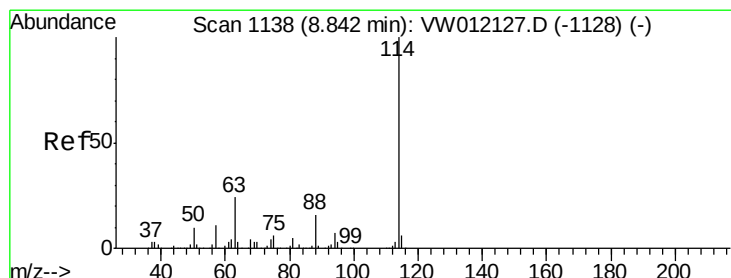
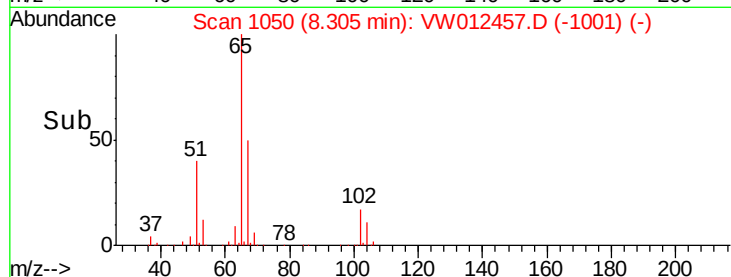
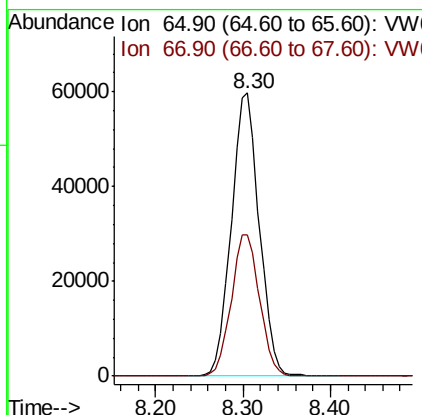
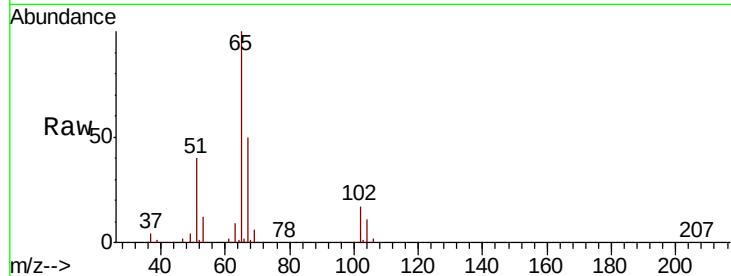




#33
 1,2-Dichloroethane-d4
 Concen: 56.462 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012457.D
 Acq: 01 Sep 2019 19:05

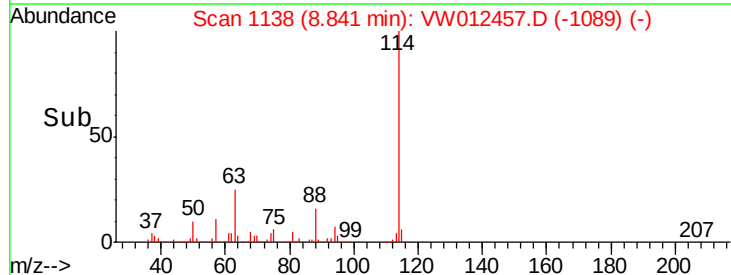
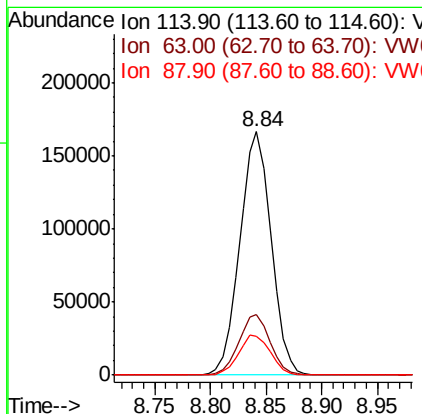
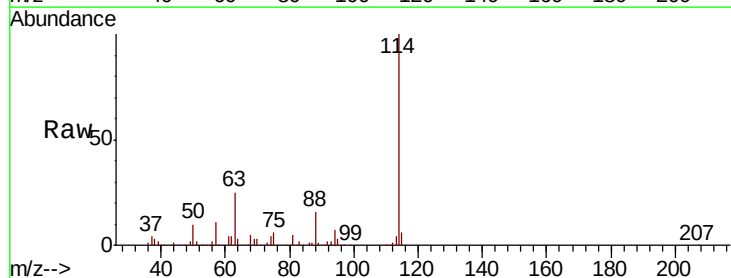
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S-E-(2.5)

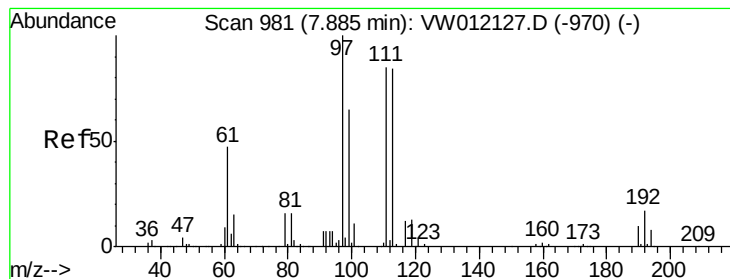
Tgt Ion: 65 Resp: 132418
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012457.D
 Acq: 01 Sep 2019 19:05

Tgt Ion: 114 Resp: 324985
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 48.6
 88 15.8 0.0 32.2





#35

Dibromofluoromethane

Concen: 53.170 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012457.D

Acq: 01 Sep 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

T1-S-E-(2.5)

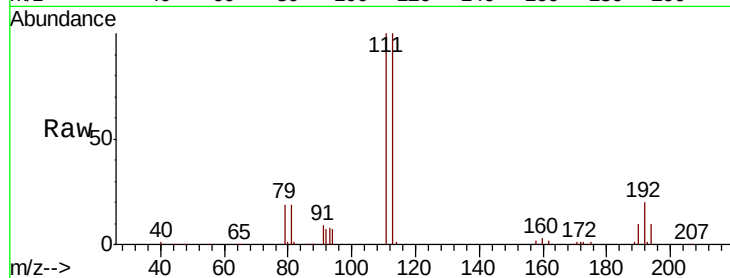
Tgt Ion:113 Resp: 103141

Ion Ratio Lower Upper

113 100

111 101.2 82.7 124.1

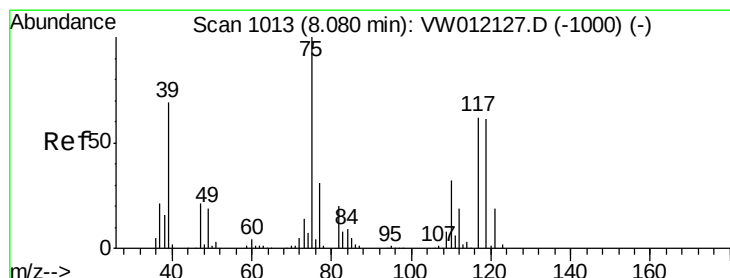
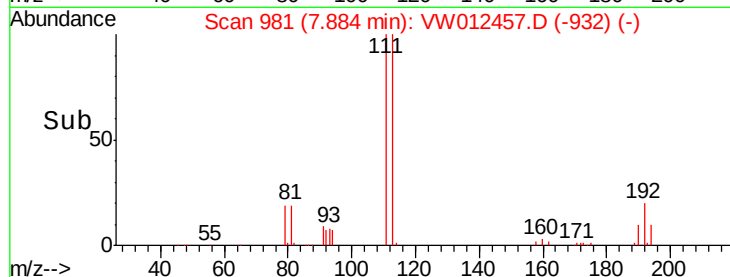
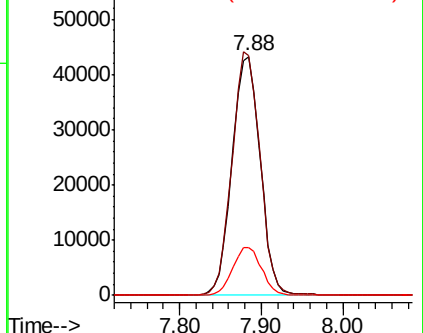
192 20.5 16.2 24.2



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: 4.980 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012457.D

Acq: 01 Sep 2019 19:05

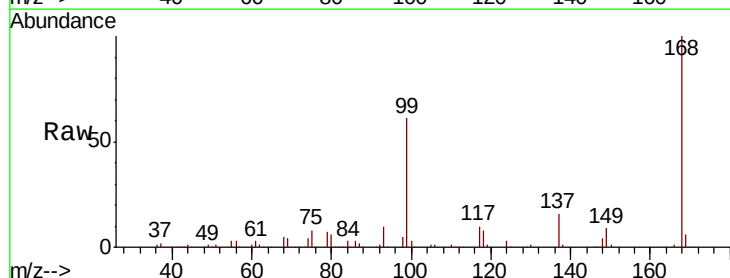
Tgt Ion: 75 Resp: 16725

Ion Ratio Lower Upper

75 100

110 9.1 15.6 46.8#

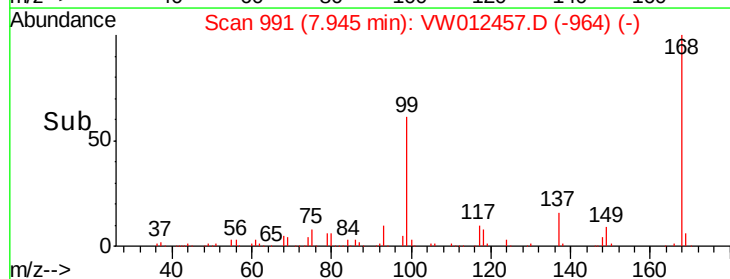
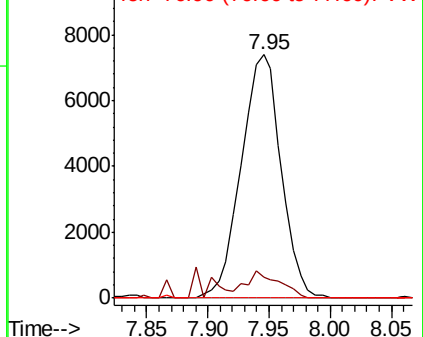
77 0.0 24.6 36.8#

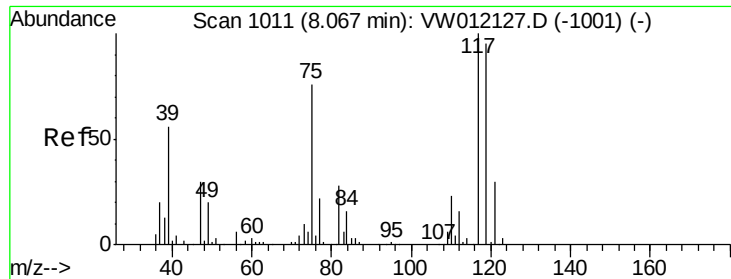


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

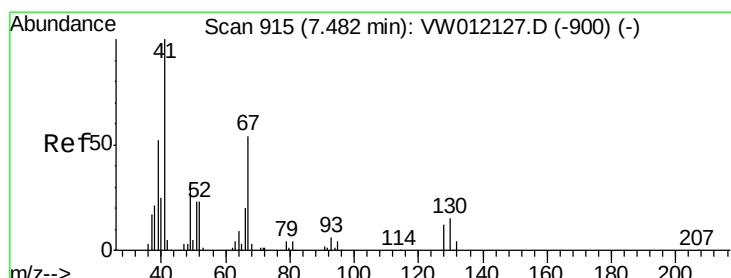
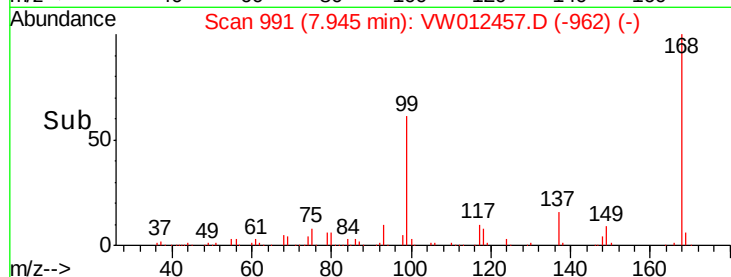
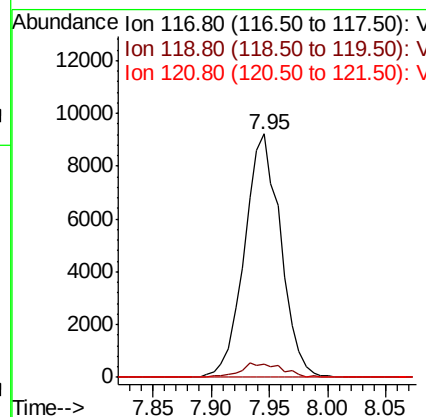
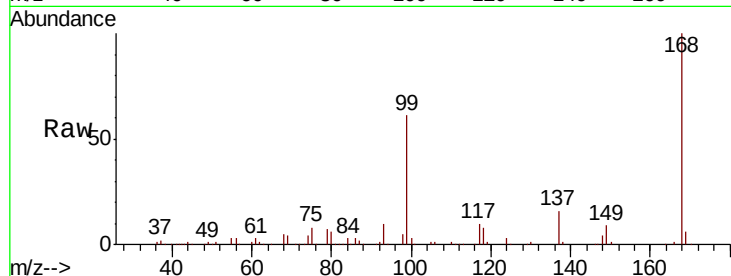




#38
Carbon Tetrachloride
Concen: 6.864 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012457.D
Acq: 01 Sep 2019 19:05

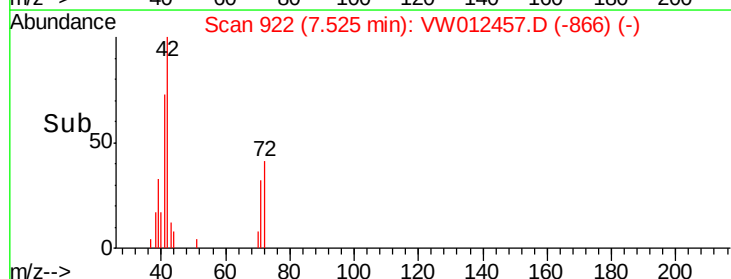
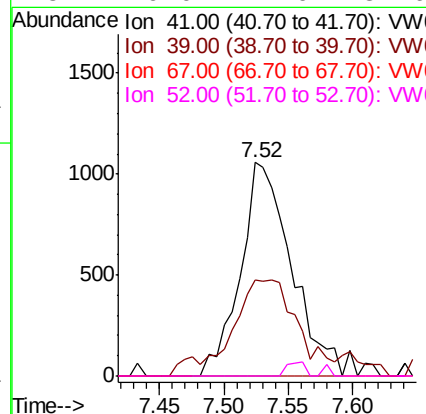
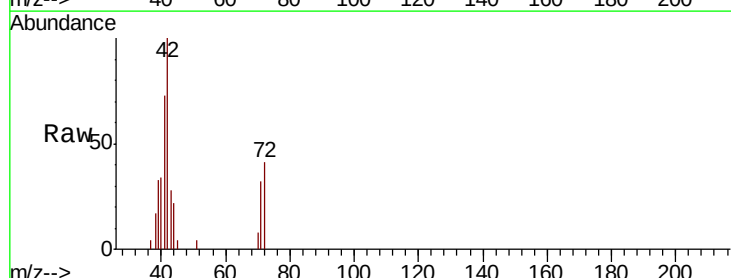
Instrument :
MSVOA_W
ClientSampleId :
T1-S-E-(2.5)

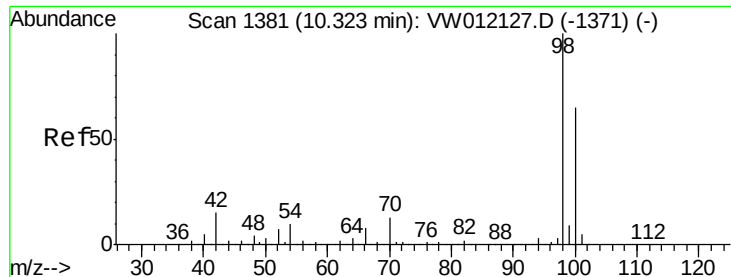
Tgt Ion: 117 Resp: 19951
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.2#
121 0.0 23.8 35.8#



#41
Methacrylonitrile
Concen: 2.677 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.04 min
Lab File: VW012457.D
Acq: 01 Sep 2019 19:05

Tgt Ion: 41 Resp: 2895
Ion Ratio Lower Upper
41 100
39 55.4 45.8 68.8
67 0.0 46.2 69.4#
52 0.0 21.0 31.6#

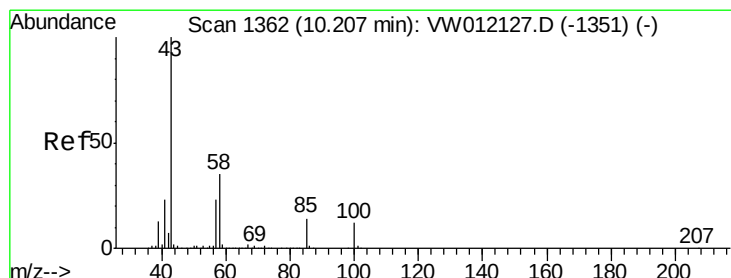
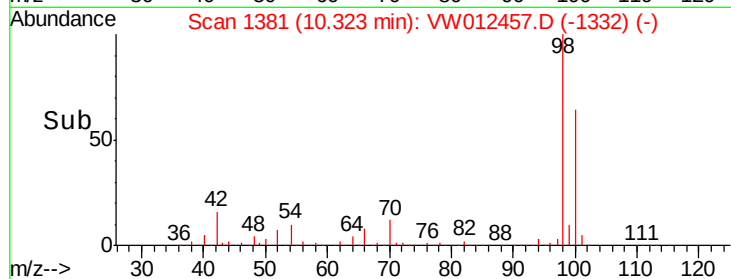
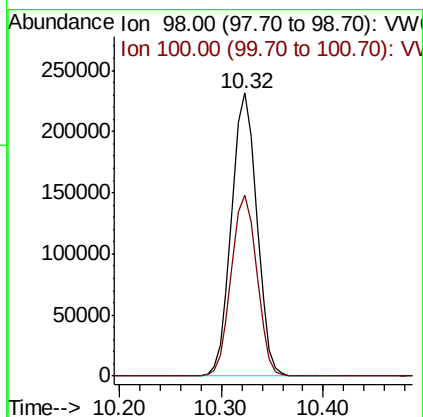
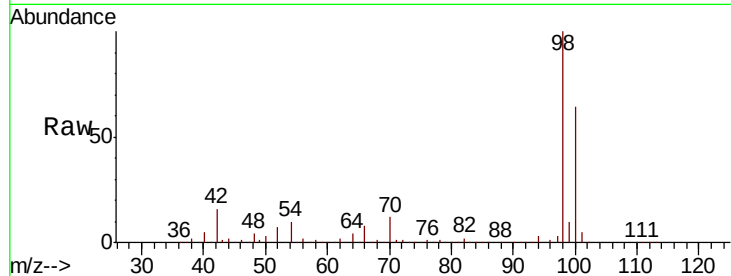




#50
Toluene-d8
Concen: 50.581 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012457.D
Acq: 01 Sep 2019 19:05

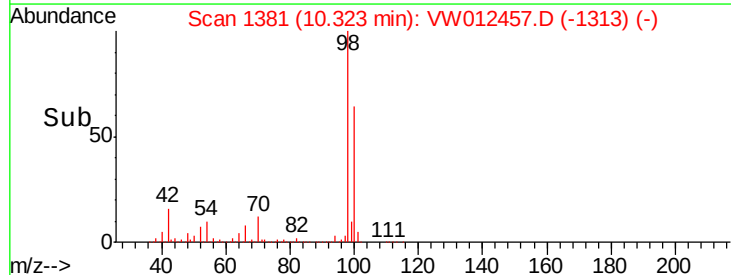
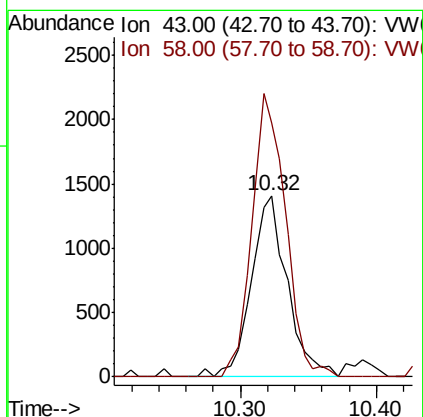
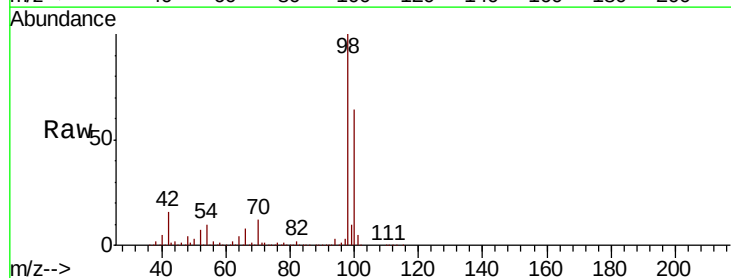
Instrument :
MSVOA_W
ClientSampleId :
T1-S-E-(2.5)

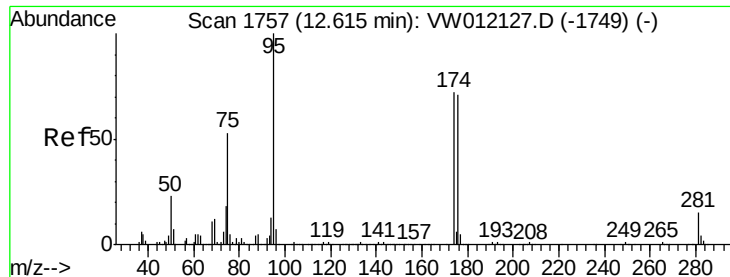
Tgt Ion: 98 Resp: 397846
Ion Ratio Lower Upper
98 100
100 64.8 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.507 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.12 min
Lab File: VW012457.D
Acq: 01 Sep 2019 19:05

Tgt Ion: 43 Resp: 2613
Ion Ratio Lower Upper
43 100
58 146.3 28.2 42.2#

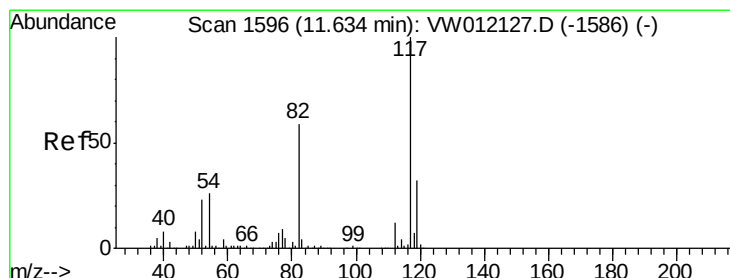
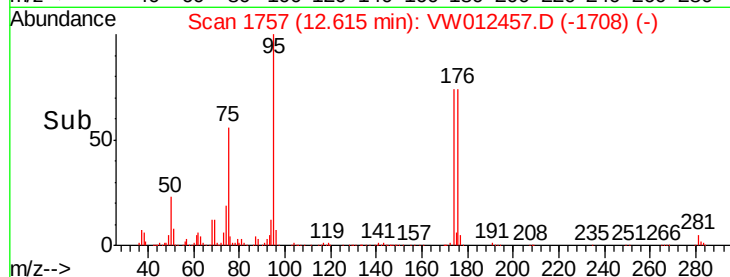
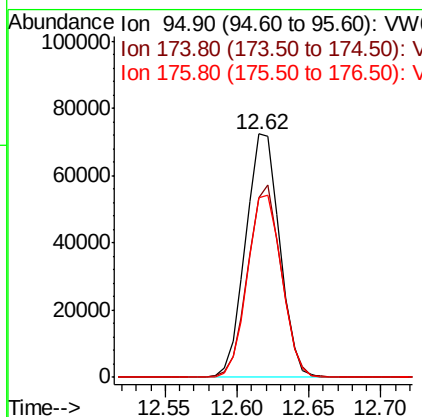
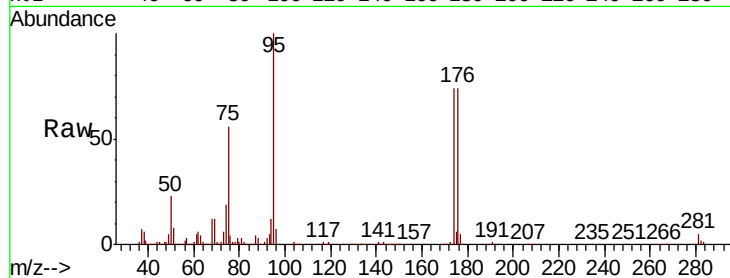




#62
4-Bromofluorobenzene
Concen: 42.792 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012457.D
Acq: 01 Sep 2019 19:05

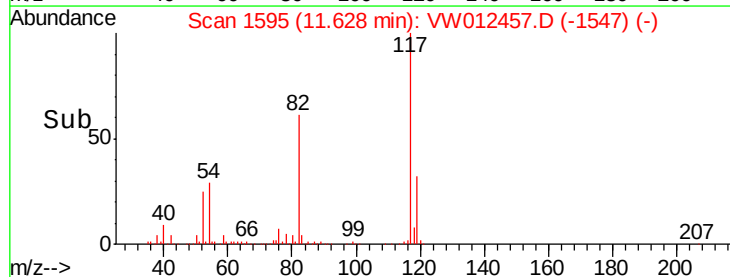
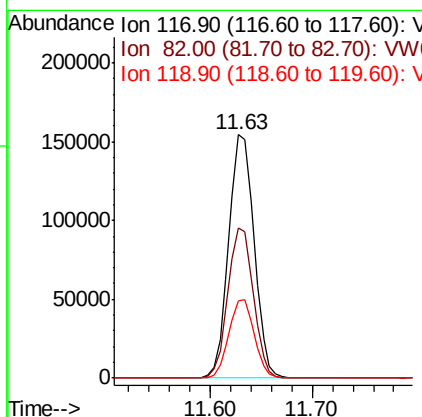
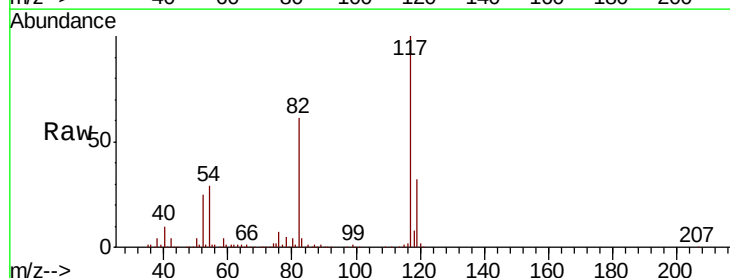
Instrument :
MSVOA_W
ClientSampleId :
T1-S-E-(2.5)

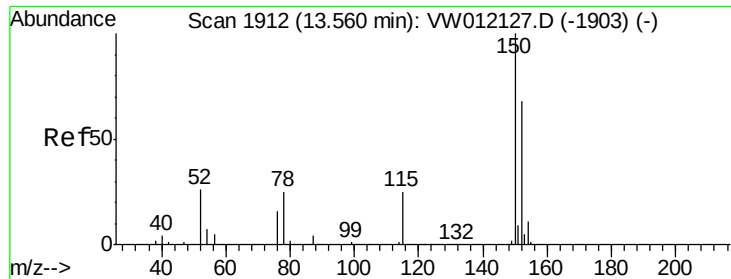
Tgt Ion: 95 Resp: 118644
Ion Ratio Lower Upper
95 100
174 77.3 0.0 150.8
176 75.4 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012457.D
Acq: 01 Sep 2019 19:05

Tgt Ion: 117 Resp: 265590
Ion Ratio Lower Upper
117 100
82 61.5 47.4 71.2
119 31.8 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: VW012457.D

Acq: 01 Sep 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

T1-S-E-(2.5)

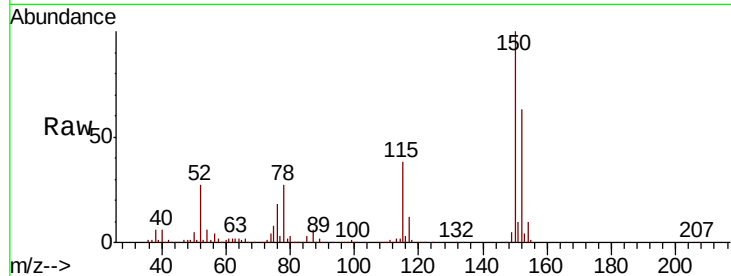
Tgt Ion:152 Resp: 97168

Ion Ratio Lower Upper

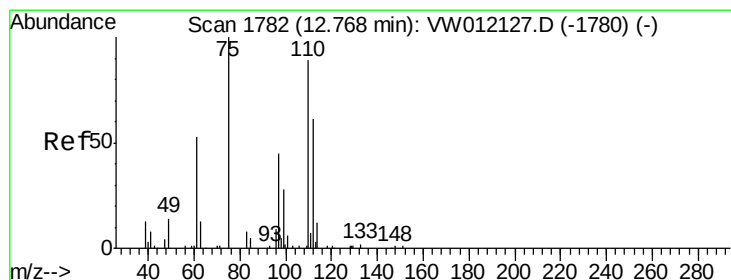
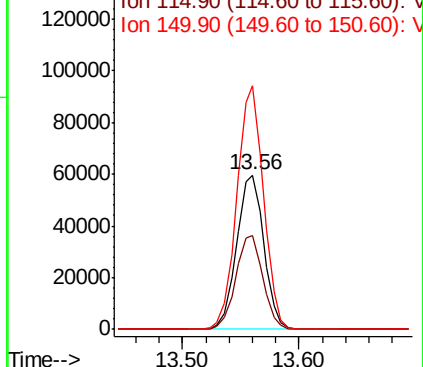
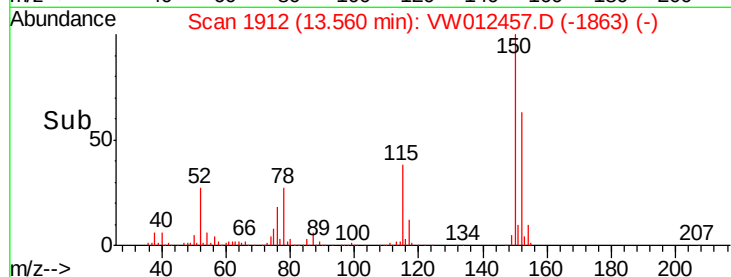
152 100

115 60.7 30.1 90.3

150 154.2 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: 67.675 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012457.D

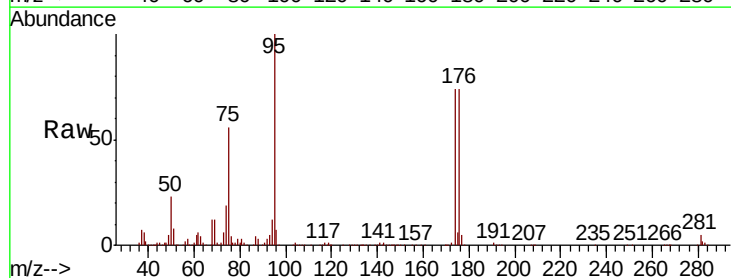
Acq: 01 Sep 2019 19:05

Tgt Ion: 75 Resp: 64044

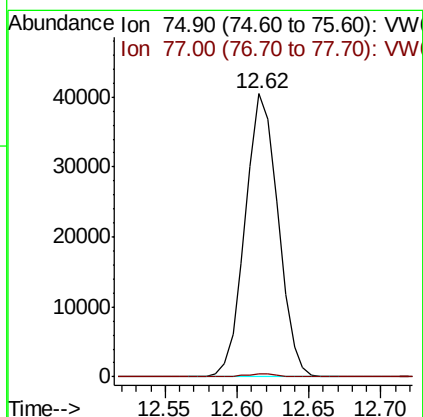
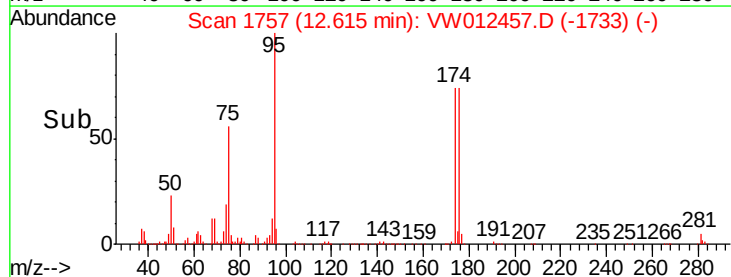
Ion Ratio Lower Upper

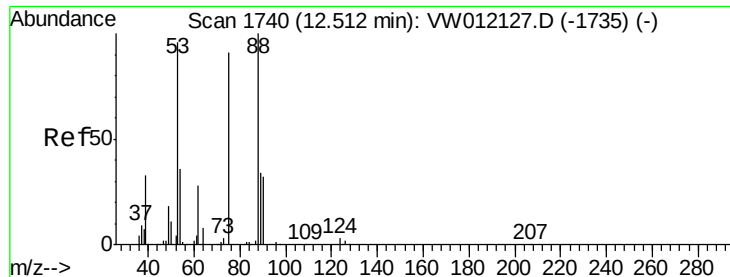
75 100

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: 148.380 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012457.D

Acq: 01 Sep 2019 19:05

Instrument :

MSVOA_W

ClientSampleId :

T1-S-E-(2.5)

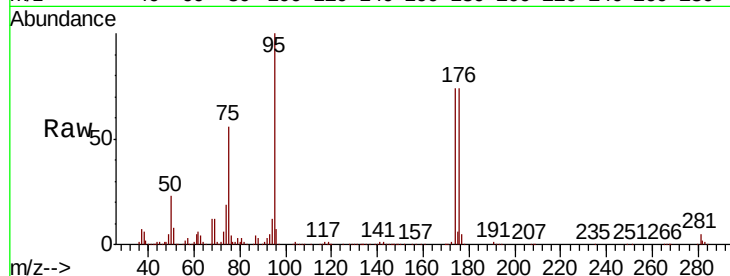
Tgt Ion: 75 Resp: 64044

Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

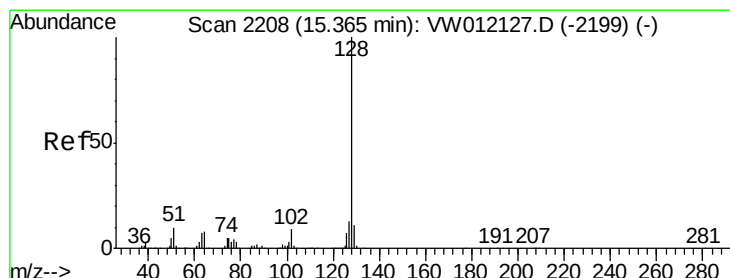
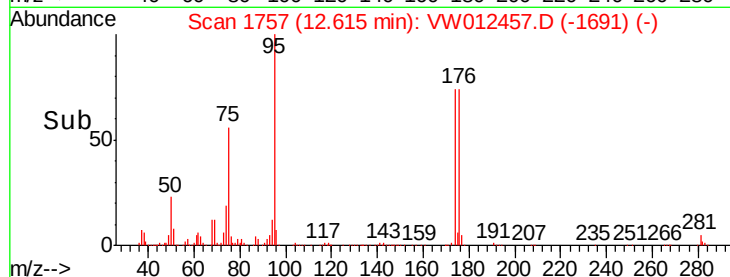
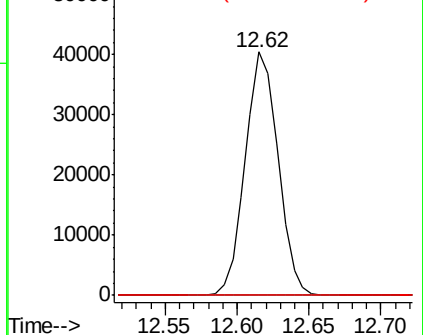
89 0.1 34.5 51.7#



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



#95

Naphthalene

Concen: 4.346 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012457.D

Acq: 01 Sep 2019 19:05

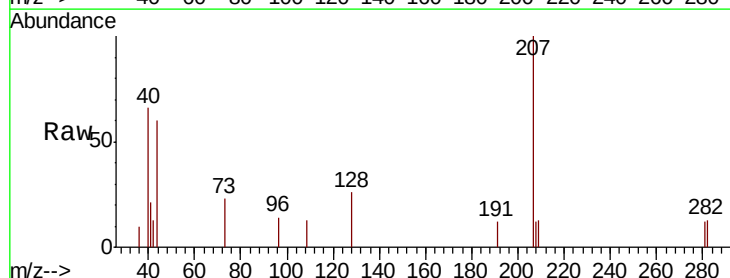
Tgt Ion: 128 Resp: 100

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

