

Data File : VW012422.D
Acq On : 01 Sep 2019 01:54
Operator : SY/VA
Sample : K4517-16
Misc : 5.95G/5ML/MSVOA_W/SOIL
ALS Vial : 40 Sample Multiplier: 1

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

Quant Time: Sep 01 03:41:22 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	215595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	359847	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	310795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	112311	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	146938	57.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.66%	
35) Dibromofluoromethane	7.88	113	112856	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
50) Toluene-d8	10.32	98	454728	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
62) 4-Bromofluorobenzene	12.62	95	140022	45.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.22%	

Target Compounds

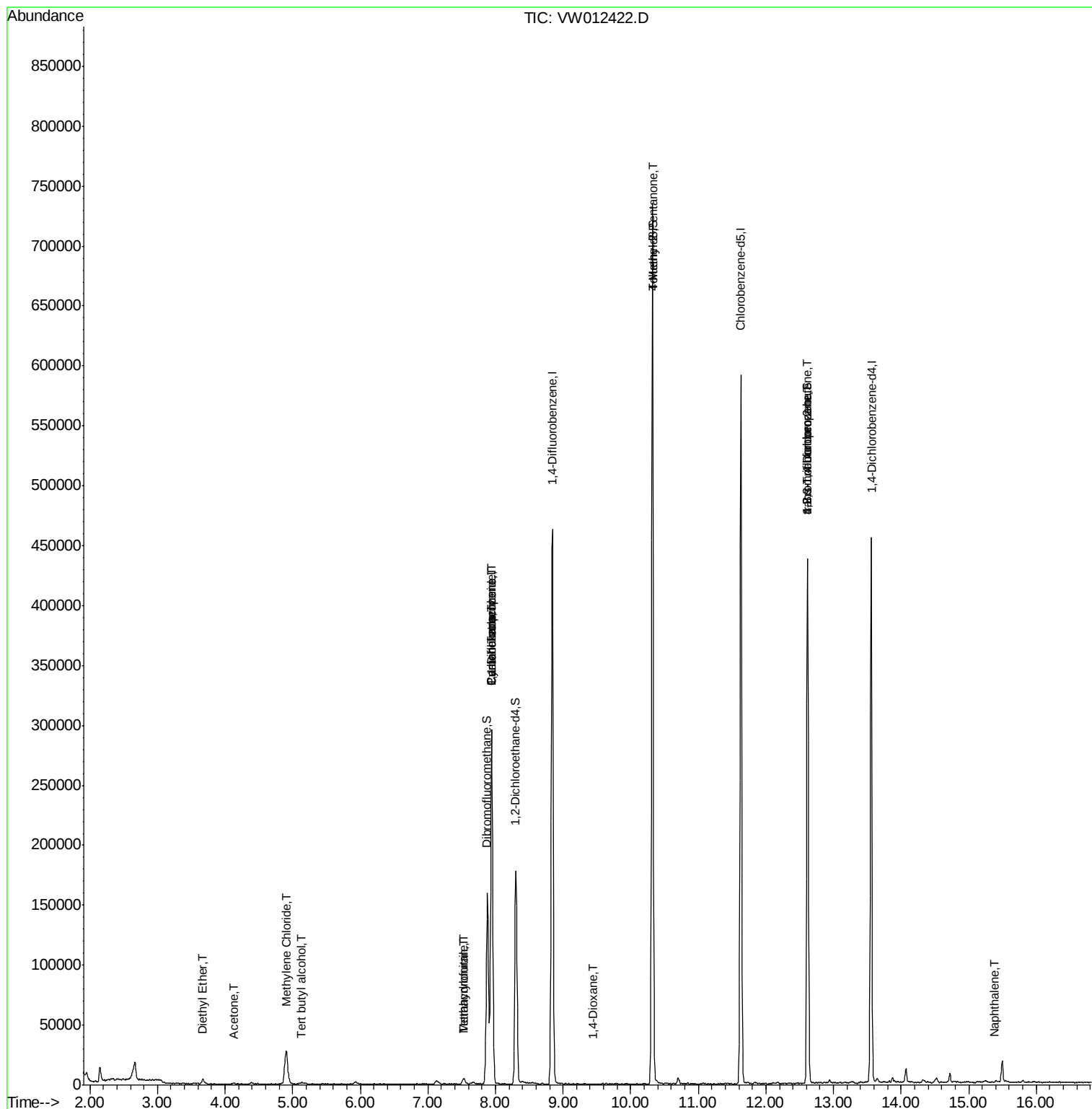
						Qvalue
8) Diethyl Ether	3.67	74	2184	1.820	ug/l	96
11) Tert butyl alcohol	5.12	59	705	4.571	ug/l #	71
16) Acetone	4.12	43	1259	1.922	ug/l	95
20) Methylene Chloride	4.90	84	19049	7.691	ug/l	92
29) Tetrahydrofuran	7.53	42	4181	7.828	ug/l	96
31) Cyclohexane	7.94	56	5563	1.205	ug/l #	8
36) 1,1-Dichloropropene	7.94	75	18439	4.959	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22153	6.883	ug/l #	17
41) Methacrylonitrile	7.53	41	2850	2.380	ug/l #	59
49) 1,4-Dioxane	9.44	88	20	1.074	ug/l #	1
51) 4-Methyl-2-Pentanone	10.32	43	2811	1.464	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	75115	68.672	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	75115	150.565	ug/l #	6
95) Naphthalene	15.37	128	278	4.381	ug/l #	81

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

Data File : VW012422.D
Acq On : 01 Sep 2019 01:54
Operator : SY/VA
Sample : K4517-16
Misc : 5.95G/5ML/MSVOA_W/SOIL
ALS Vial : 40 Sample Multiplier: 1

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

Quant Time: Sep 01 03:41:22 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012422.D

Acq: 01 Sep 2019 01:54

Instrument :

MSVOA_W

ClientSampled :

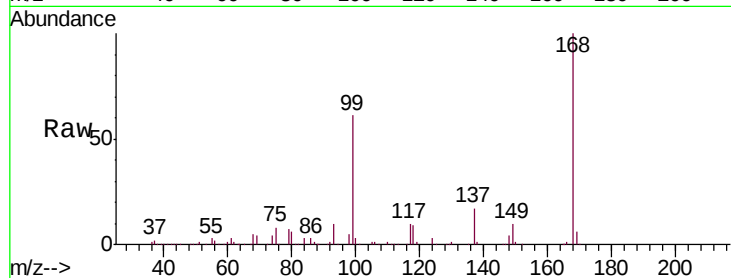
T4-S-E-(0)

Tgt Ion:168 Resp: 21595

Ion Ratio Lower Upper

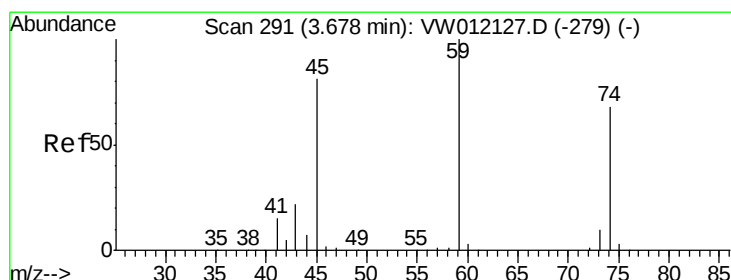
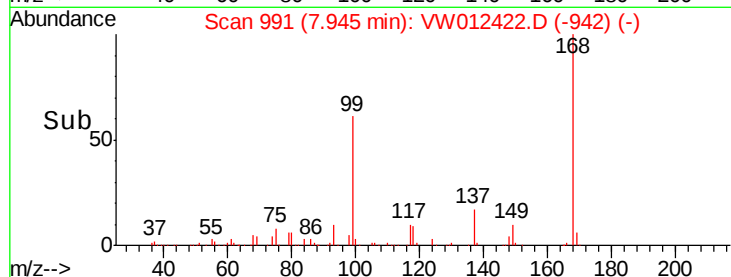
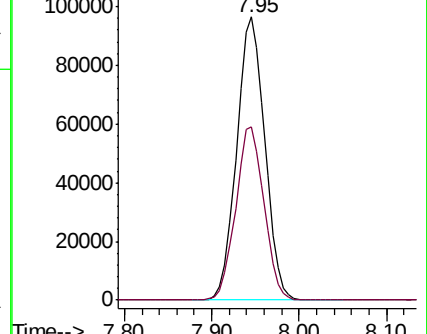
168 100

99 61.4 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.820 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012422.D

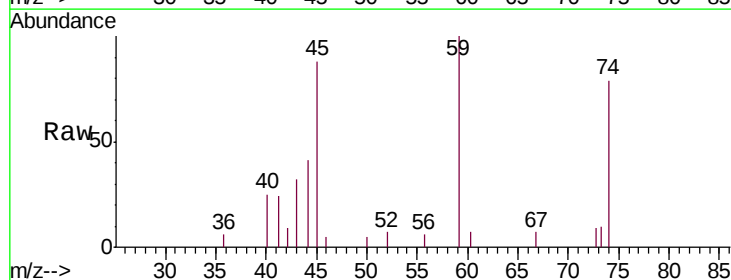
Acq: 01 Sep 2019 01:54

Tgt Ion: 74 Resp: 2184

Ion Ratio Lower Upper

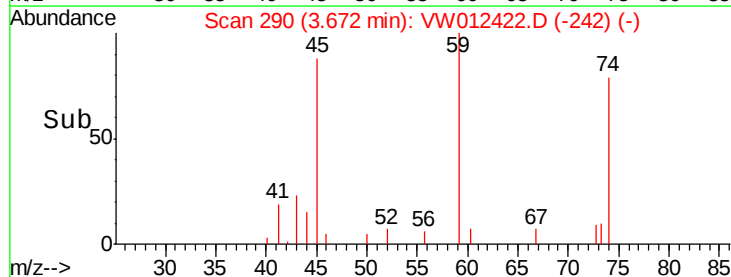
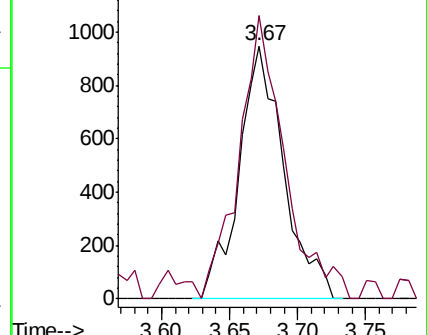
74 100

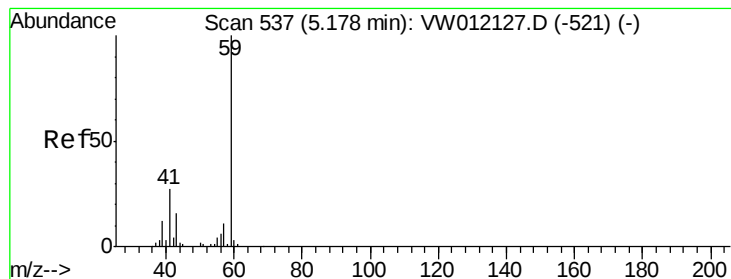
45 114.0 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



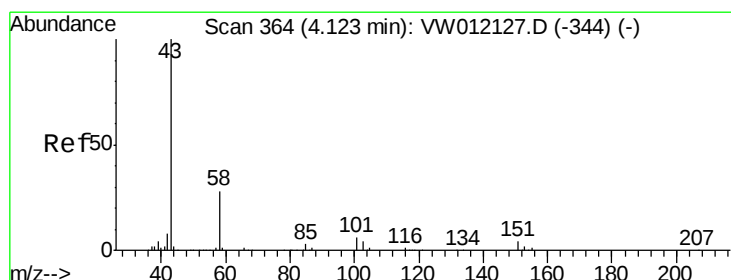
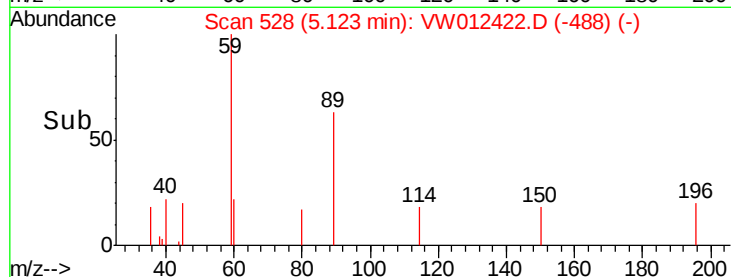
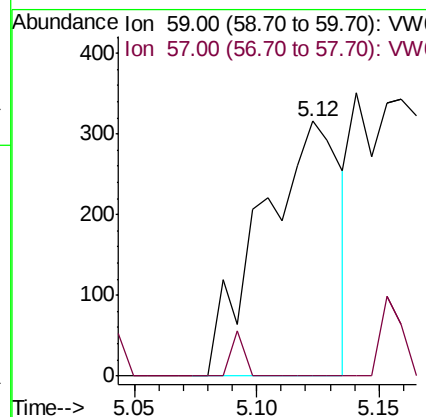
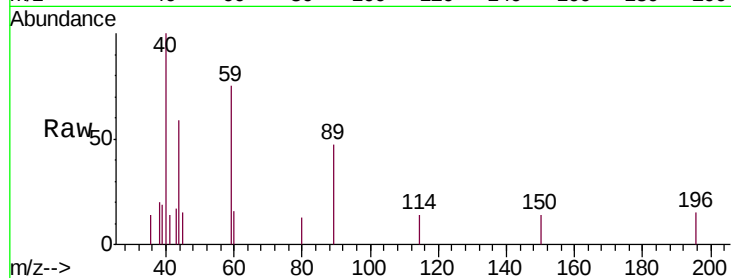


#11

Tert butyl alcohol
 Concen: 4.571 ug/l
 RT: 5.12 min Scan# 528
 Delta R.T. -0.06 min
 Lab File: VW012422.D
 Acq: 01 Sep 2019 01:54

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

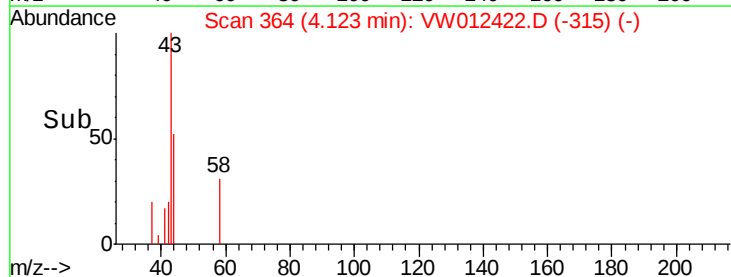
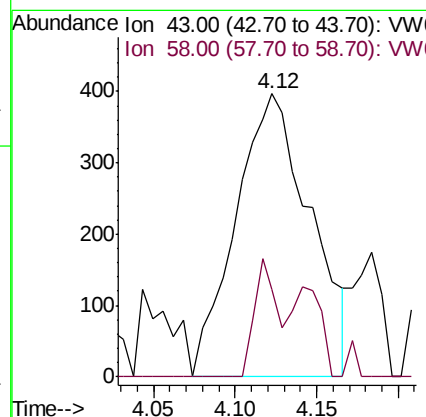
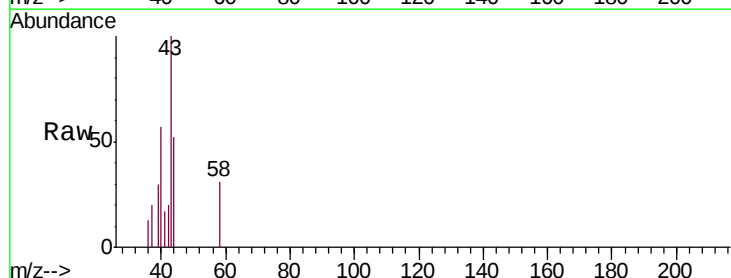
Tgt Ion: 59 Resp: 705
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

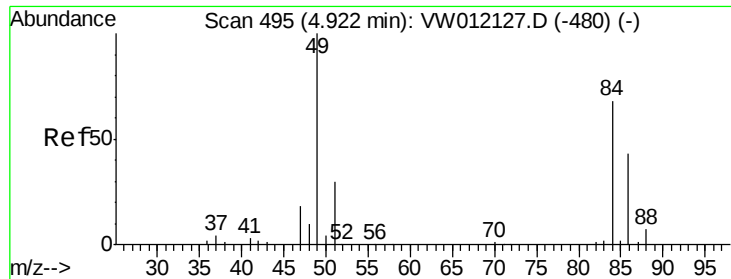


#16

Acetone
 Concen: 1.922 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VW012422.D
 Acq: 01 Sep 2019 01:54

Tgt Ion: 43 Resp: 1259
 Ion Ratio Lower Upper
 43 100
 58 30.7 22.4 33.6

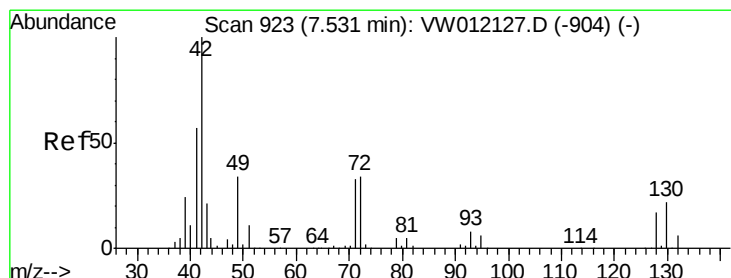
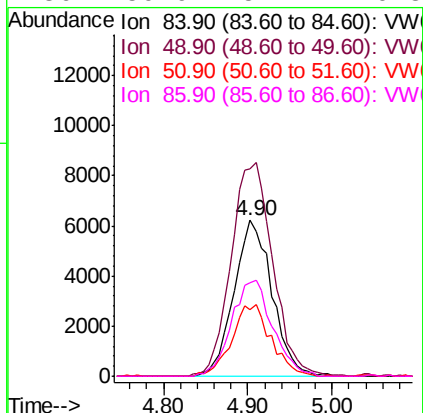
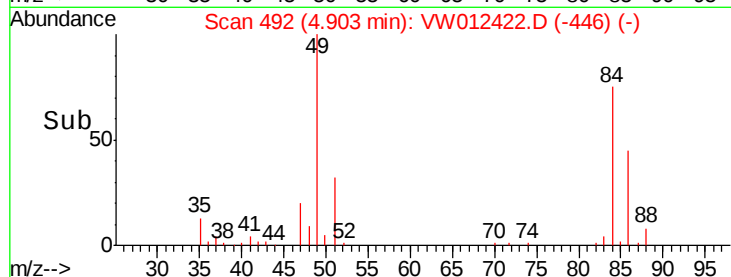
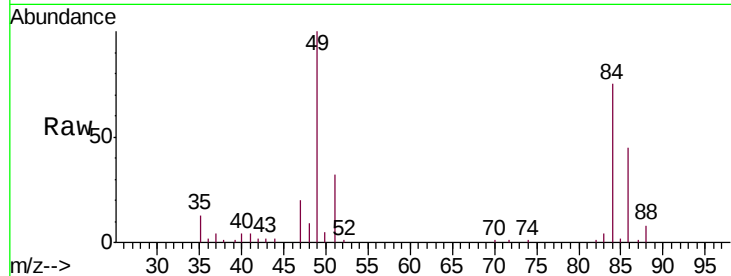




#20
Methylene Chloride
Concen: 7.691 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012422.D
Acq: 01 Sep 2019 01:54

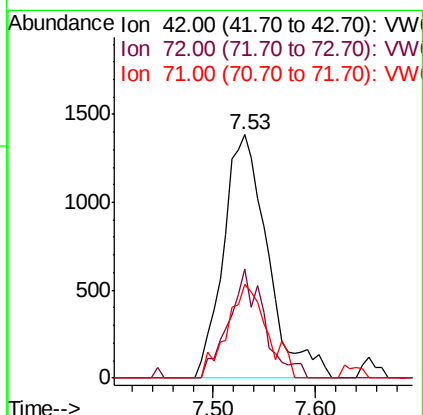
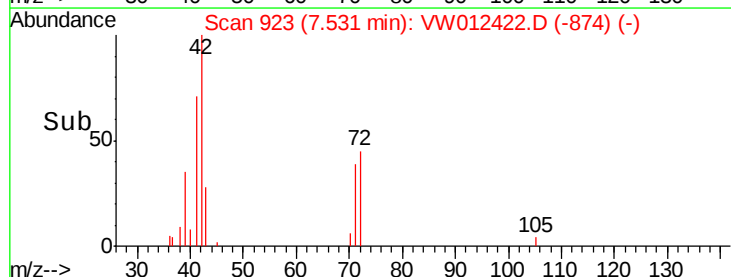
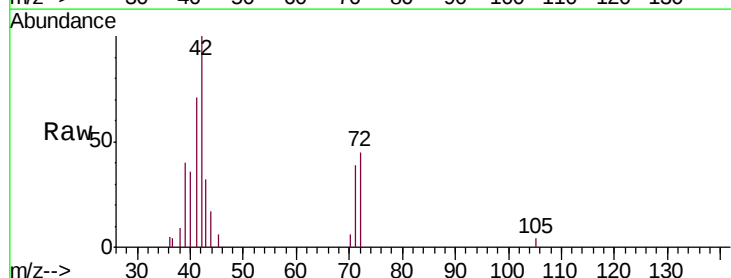
Instrument :
MSVOA_W
ClientSampleId :
T4-S-E(0)

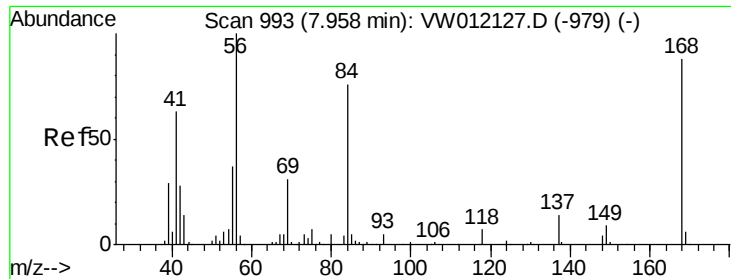
Tgt Ion:	84	Resp:	19049
Ion	Ratio	Lower	Upper
84	100		
49	133.5	117.8	176.8
51	42.9	35.6	53.4
86	59.9	51.2	76.8



#29
Tetrahydrofuran
Concen: 7.828 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012422.D
Acq: 01 Sep 2019 01:54

Tgt Ion:	42	Resp:	4181
Ion	Ratio	Lower	Upper
42	100		
72	35.9	27.3	40.9
71	34.7	25.5	38.3

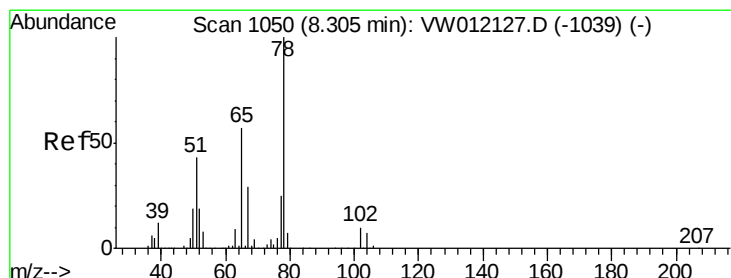
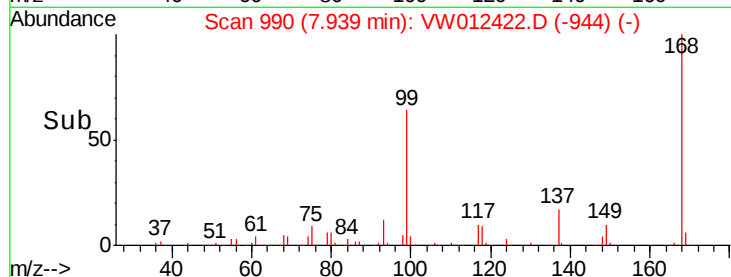
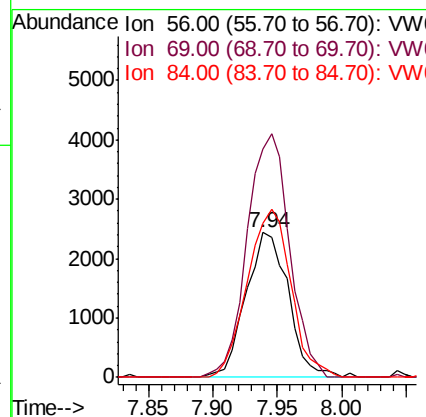
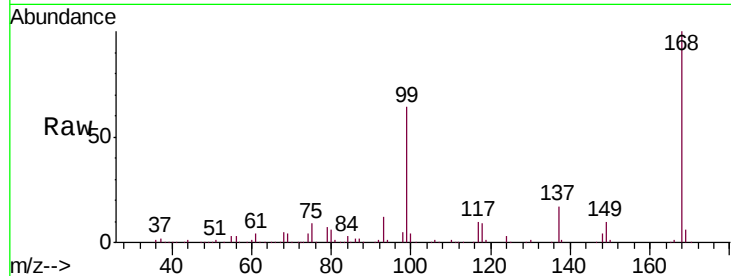




#31
Cyclohexane
Concen: 1.205 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW012422.D
Acq: 01 Sep 2019 01:54

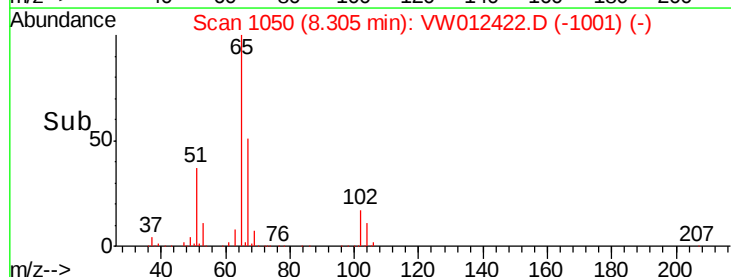
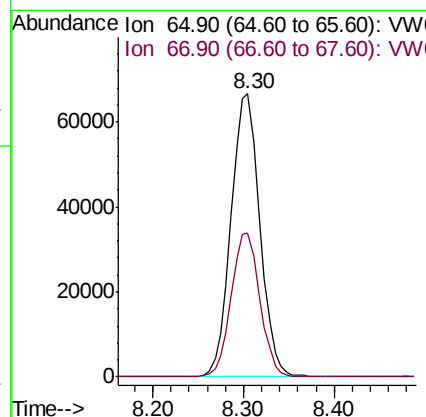
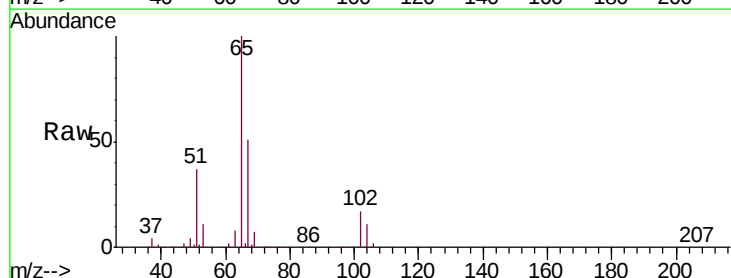
Instrument :
MSVOA_W
ClientSampled :
T4-S-E(0)

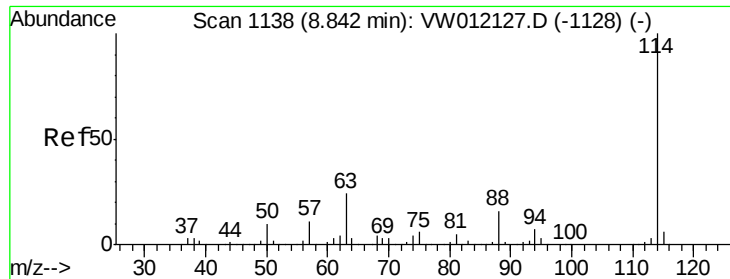
Tgt Ion: 56 Resp: 5563
Ion Ratio Lower Upper
56 100
69 157.3 24.9 37.3#
84 106.4 60.6 90.8#



#33
1,2-Dichloroethane-d4
Concen: 57.333 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012422.D
Acq: 01 Sep 2019 01:54

Tgt Ion: 65 Resp: 146938
Ion Ratio Lower Upper
65 100
67 50.6 0.0 102.6

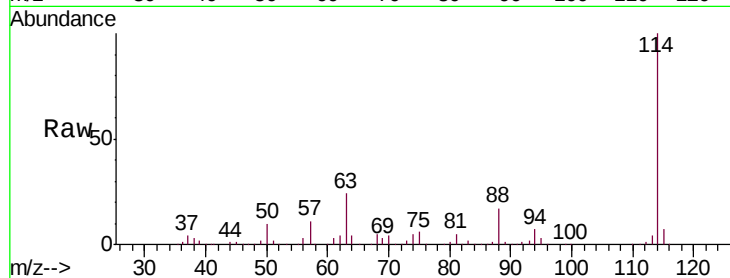




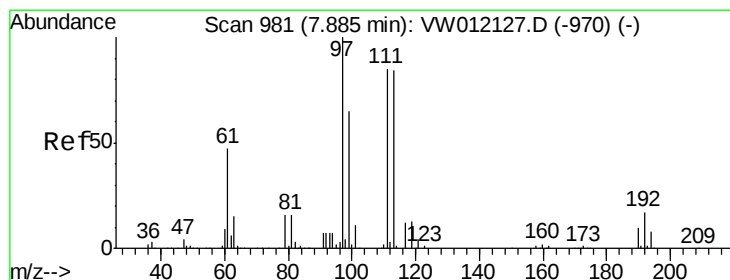
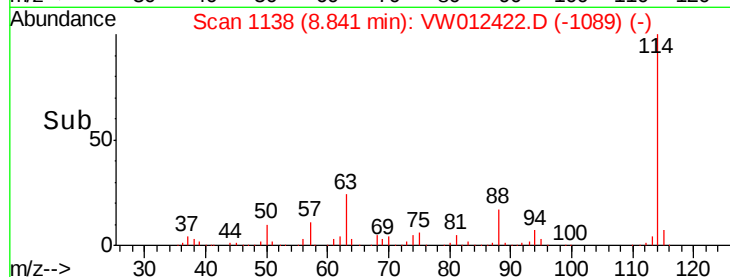
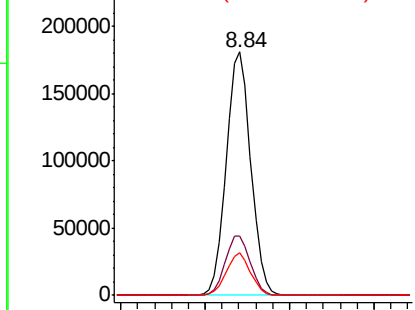
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012422.D
 Acq: 01 Sep 2019 01:54

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

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	48.6
88	17.4	0.0	32.2

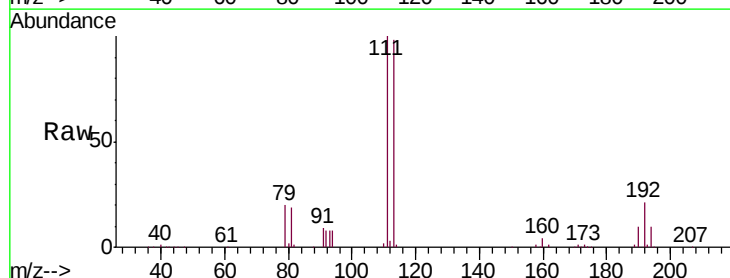


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

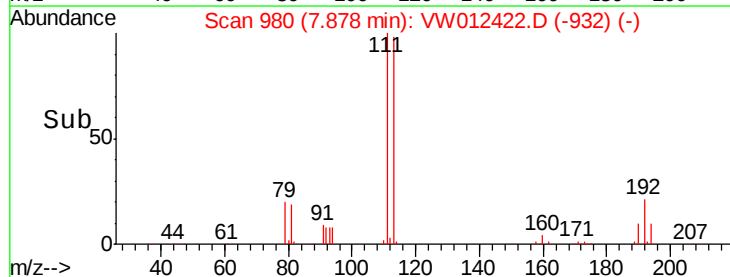
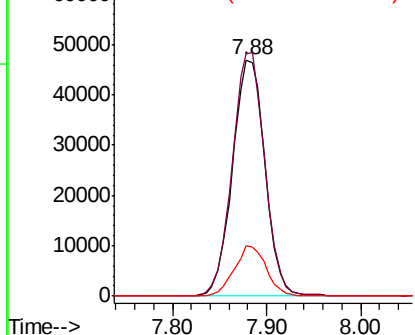


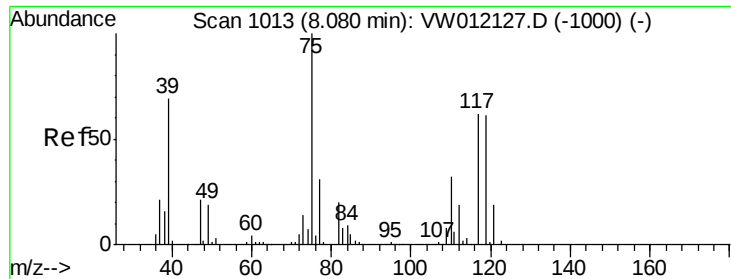
#35
 Dibromofluoromethane
 Concen: 52.542 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012422.D
 Acq: 01 Sep 2019 01:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.7	124.1
192	20.8	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

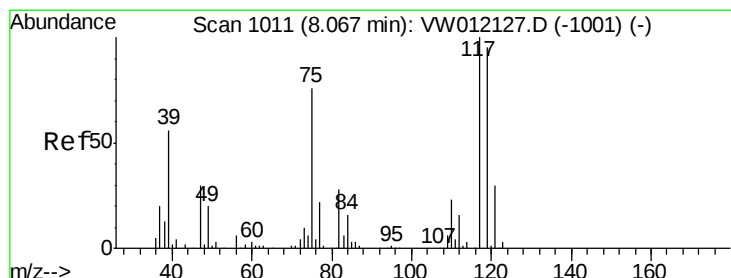
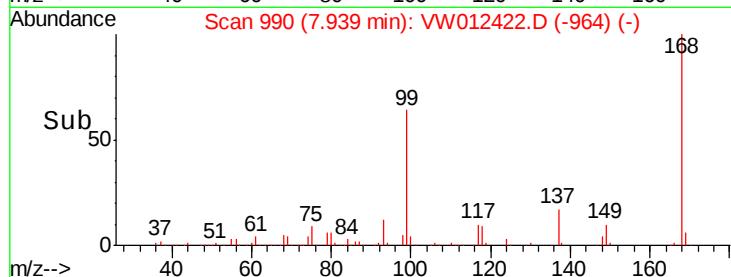
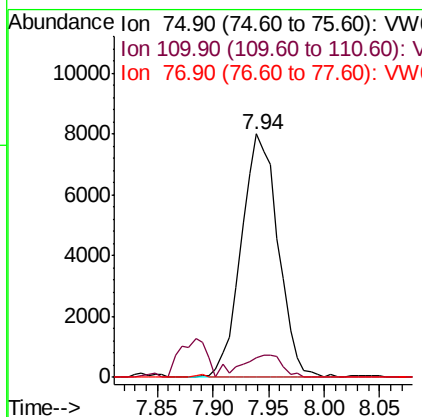
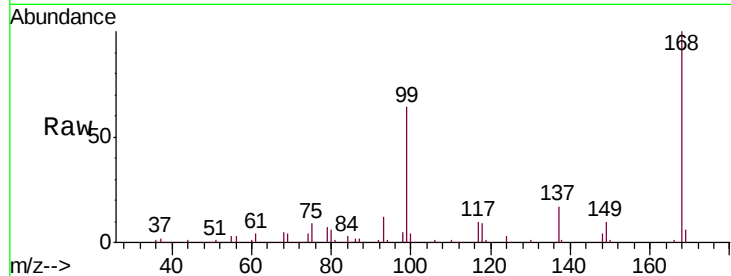




#36
 1,1-Dichloropropene
 Concen: 4.959 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012422.D
 Acq: 01 Sep 2019 01:54

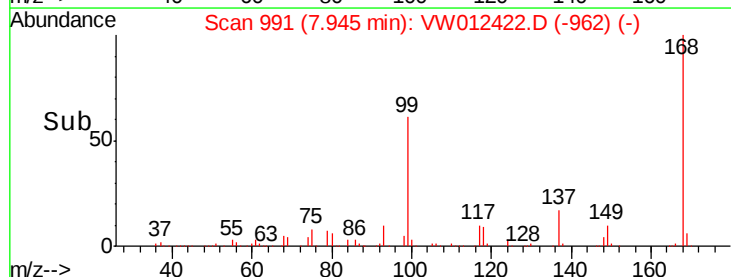
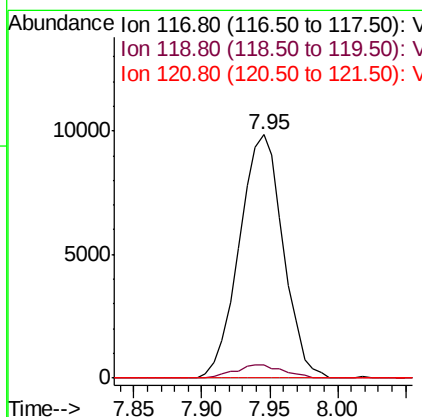
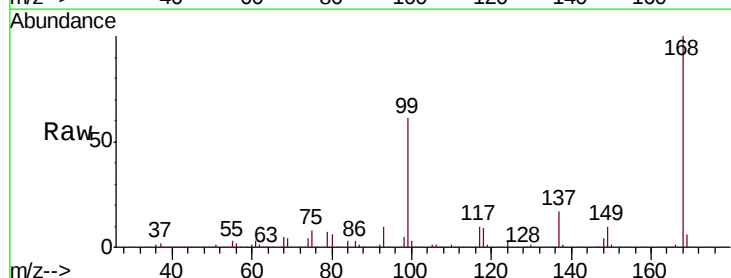
Instrument :
 MSVOA_W
 ClientSampleId :
 T4-S-E(0)

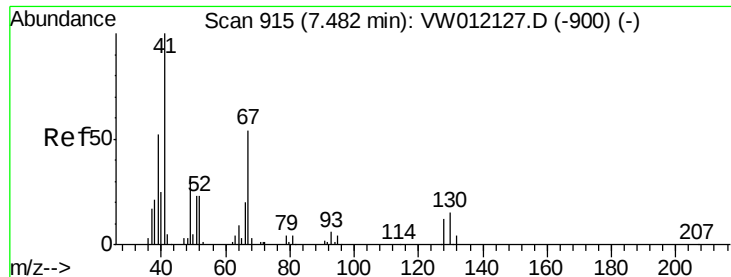
Tgt Ion: 75 Resp: 18439
 Ion Ratio Lower Upper
 75 100
 110 9.3 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.883 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012422.D
 Acq: 01 Sep 2019 01:54

Tgt Ion: 117 Resp: 22153
 Ion Ratio Lower Upper
 117 100
 119 5.4 76.2 114.2#
 121 0.0 23.8 35.8#

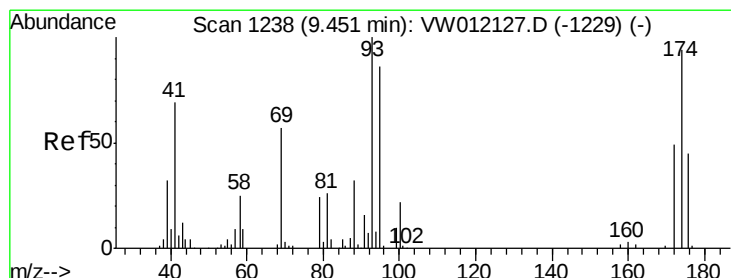
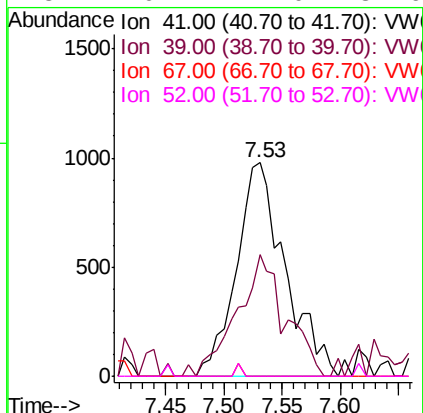
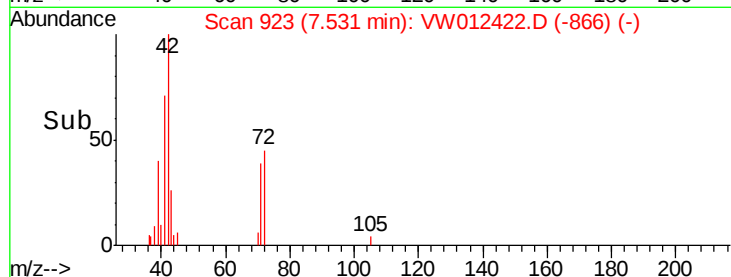
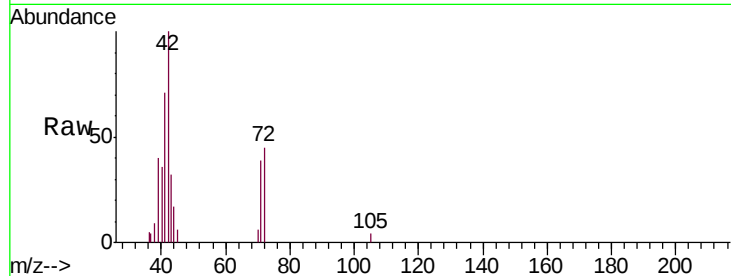




#41
Methacrylonitrile
Concen: 2.380 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012422.D
Acq: 01 Sep 2019 01:54

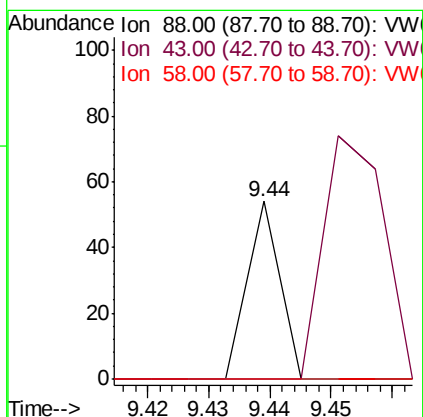
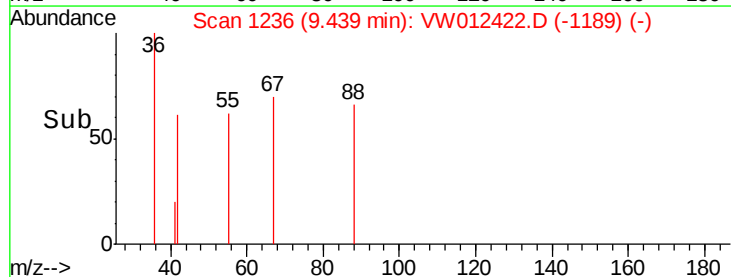
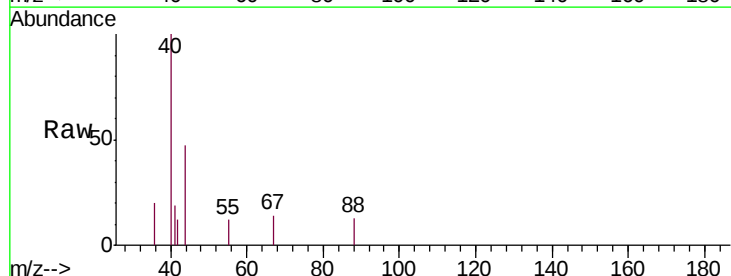
Instrument :
MSVOA_W
ClientSampled :
T4-S-E(0)

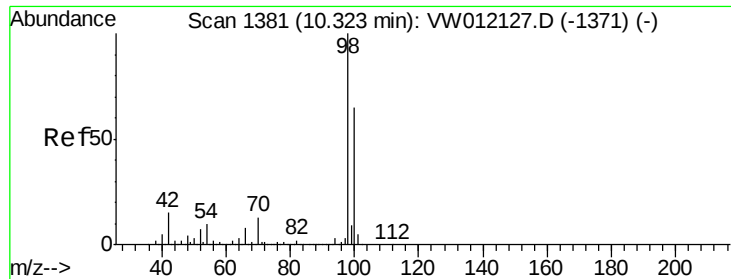
Tgt Ion:	41	Resp:	2850
Ion	Ratio	Lower	Upper
41	100		
39	56.8	45.8	68.8
67	0.8	46.2	69.4#
52	0.7	21.0	31.6#



#49
1,4-Dioxane
Concen: 1.074 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW012422.D
Acq: 01 Sep 2019 01:54

Tgt Ion:	88	Resp:	20
Ion	Ratio	Lower	Upper
88	100		
43	250.0	32.9	49.3#
58	0.0	71.0	106.4#





#50

Toluene-d8

Concen: 52.212 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012422.D

Acq: 01 Sep 2019 01:54

Instrument :

MSVOA_W

ClientSampleId :

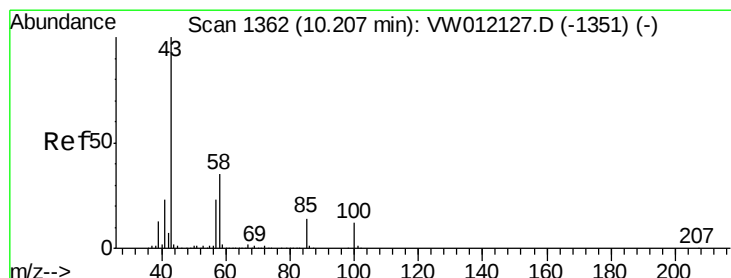
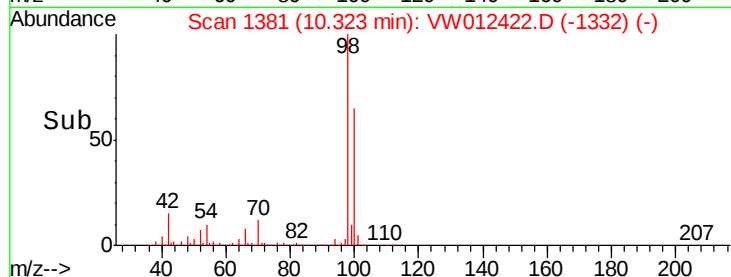
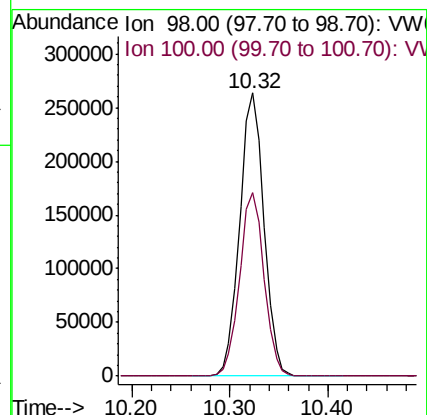
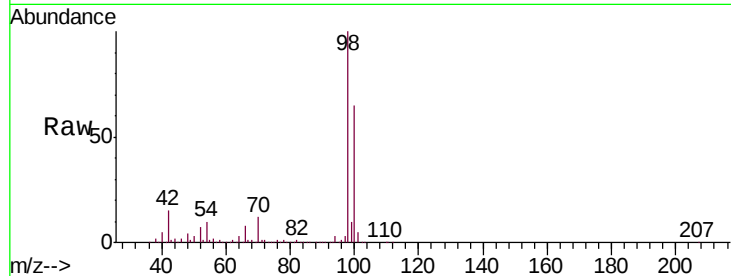
T4-S-E(0)

Tgt Ion: 98 Resp: 454728

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 1.464 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW012422.D

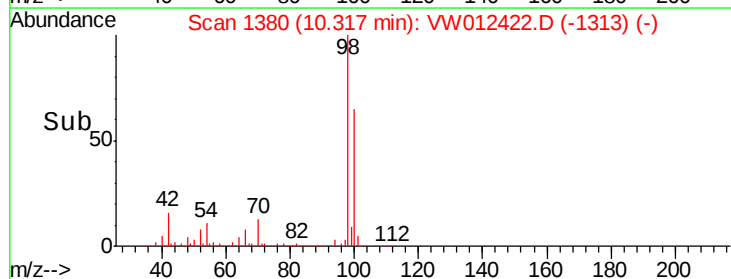
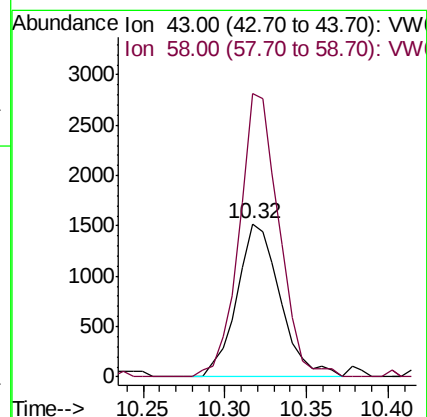
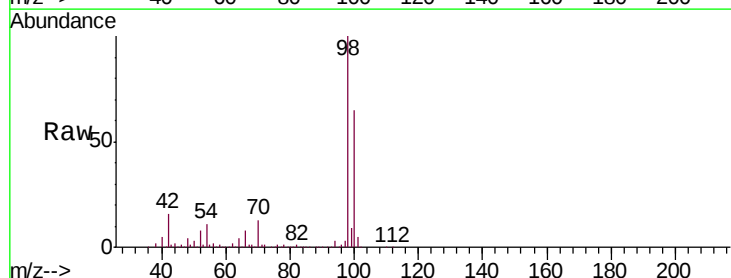
Acq: 01 Sep 2019 01:54

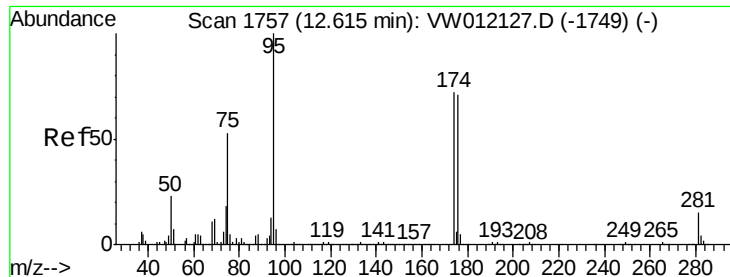
Tgt Ion: 43 Resp: 2811

Ion Ratio Lower Upper

43 100

58 169.7 28.2 42.2#

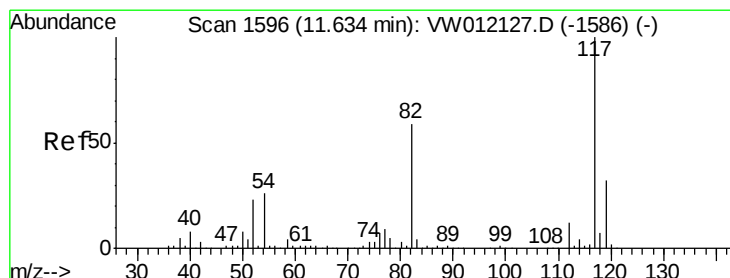
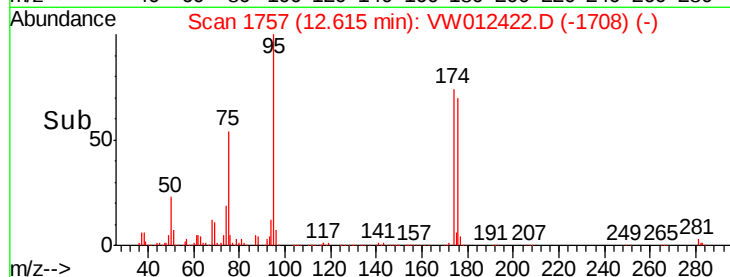
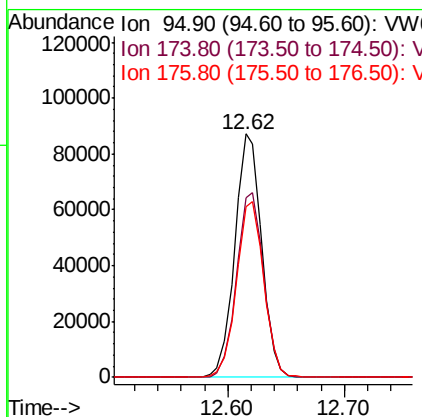
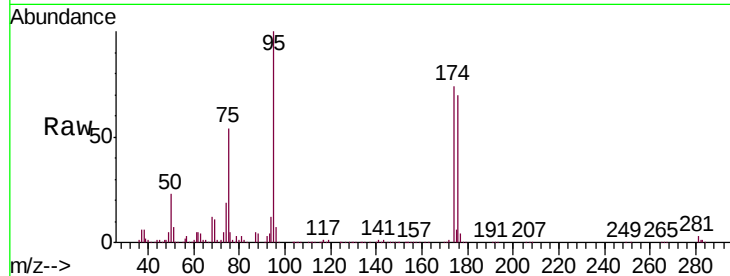




#62
4-Bromofluorobenzene
Concen: 45.610 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012422.D
Acq: 01 Sep 2019 01:54

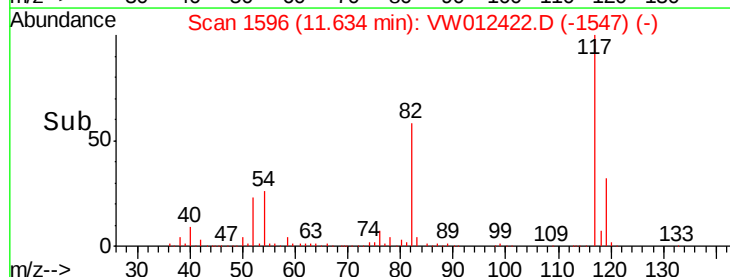
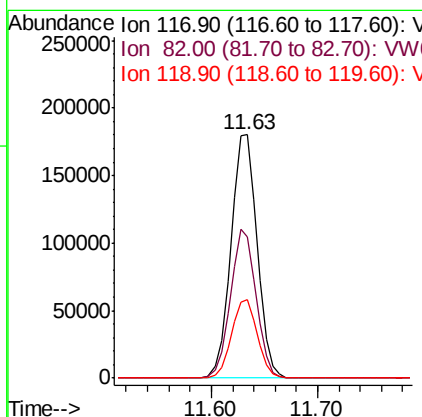
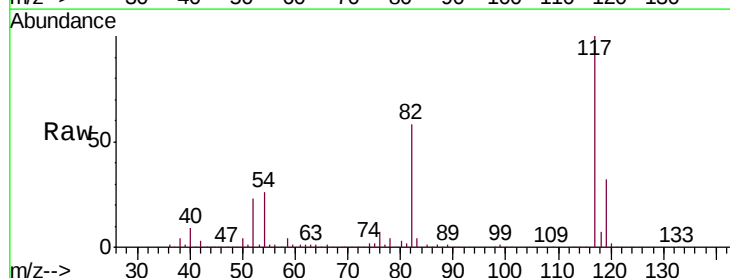
Instrument :
MSVOA_W
ClientSampleId :
T4-S-E-(0)

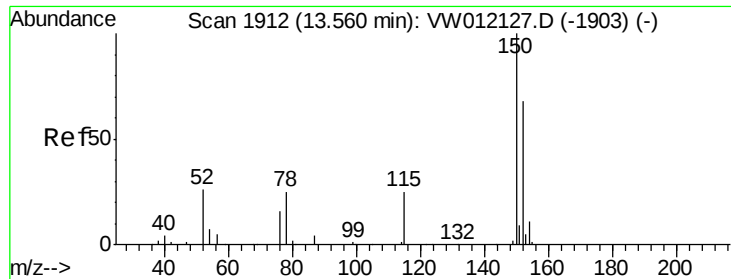
Tgt Ion: 95 Resp: 140022
Ion Ratio Lower Upper
95 100
174 76.7 0.0 150.8
176 73.3 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012422.D
Acq: 01 Sep 2019 01:54

Tgt Ion: 117 Resp: 310795
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 32.2 25.4 38.2



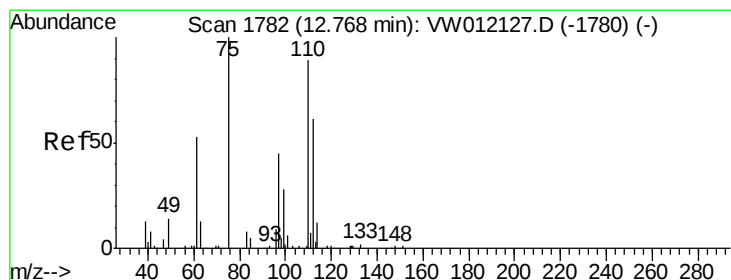
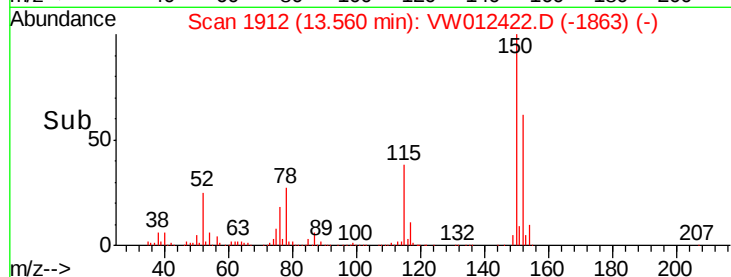
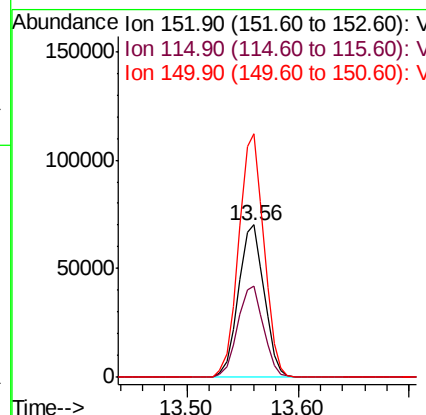
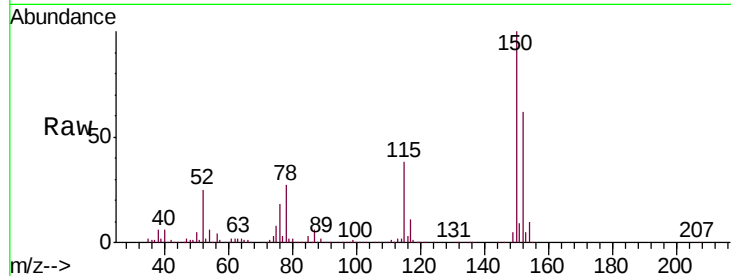


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012422.D
Acq: 01 Sep 2019 01:54

Instrument :
MSVOA_W
ClientSampled :
T4-S-E(0)

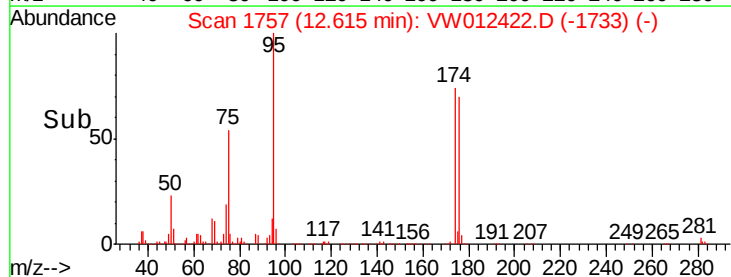
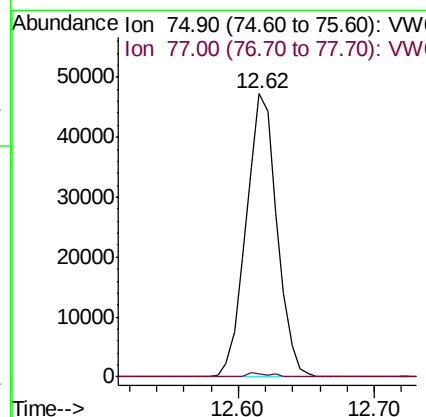
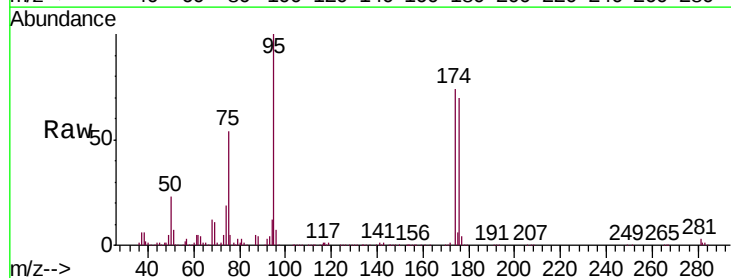
Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.1	90.3
150	156.3	0.0	345.8

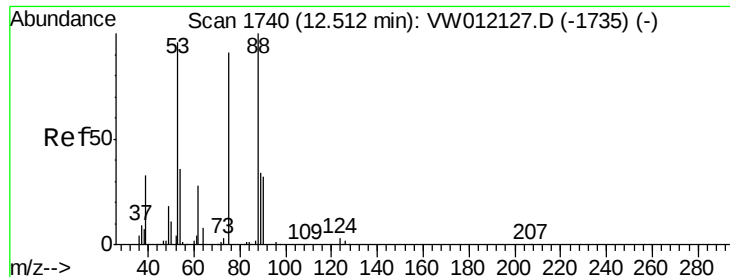


#76

1,2,3-Trichloropropane
Concen: 68.672 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012422.D
Acq: 01 Sep 2019 01:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 150.565 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012422.D

Acq: 01 Sep 2019 01:54

Instrument :

MSVOA_W

ClientSampleId :

T4-S-E-(0)

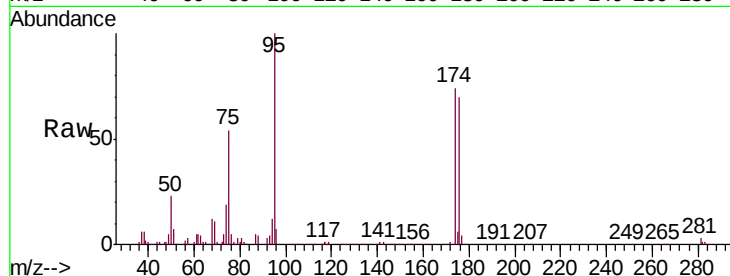
Tgt Ion: 75 Resp: 75115

Ion Ratio Lower Upper

75 100

53 0.5 89.4 134.0#

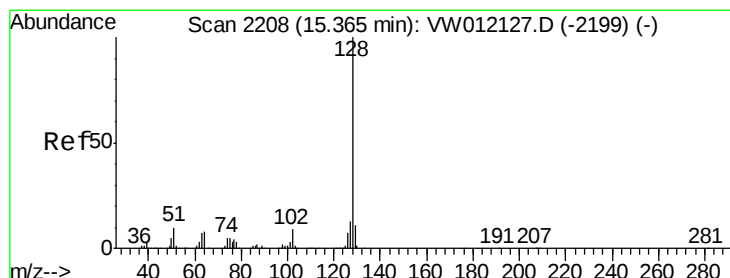
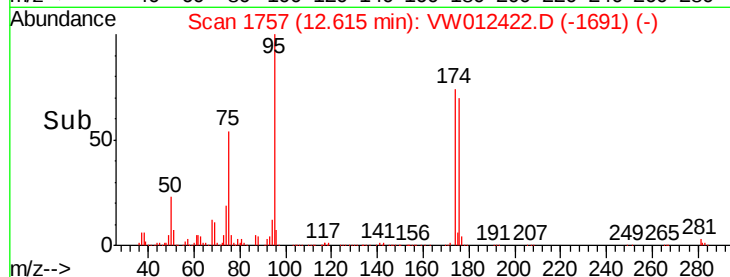
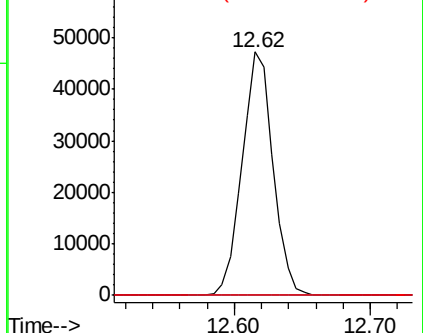
89 0.0 34.5 51.7#



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



#95

Naphthalene

Concen: 4.381 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012422.D

Acq: 01 Sep 2019 01:54

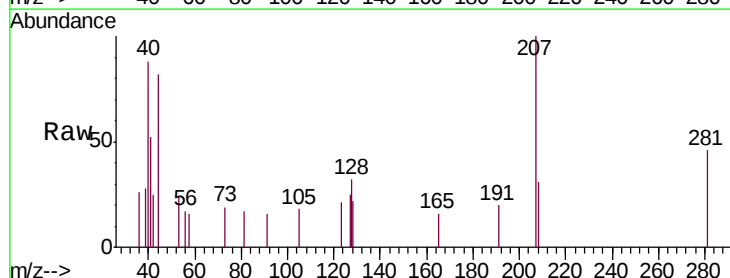
Tgt Ion: 128 Resp: 278

Ion Ratio Lower Upper

128 100

127 17.6 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

