

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111319\
 Data File : VW014008.D
 Acq On : 13 Nov 2019 15:51
 Operator : SY/VA
 Sample : K5742-02RE
 Misc : 11.20G/5.0ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 14 05:56:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	36255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	49642	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	43228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	16807	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	15700	57.73	ug/l	0.00
Spiked Amount			Recovery	=	115.46%	
35) Dibromofluoromethane	7.88	113	14247	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	
50) Toluene-d8	10.32	98	60563	53.88	ug/l	0.00
Spiked Amount			Recovery	=	107.76%	
62) 4-Bromofluorobenzene	12.62	95	17500	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	

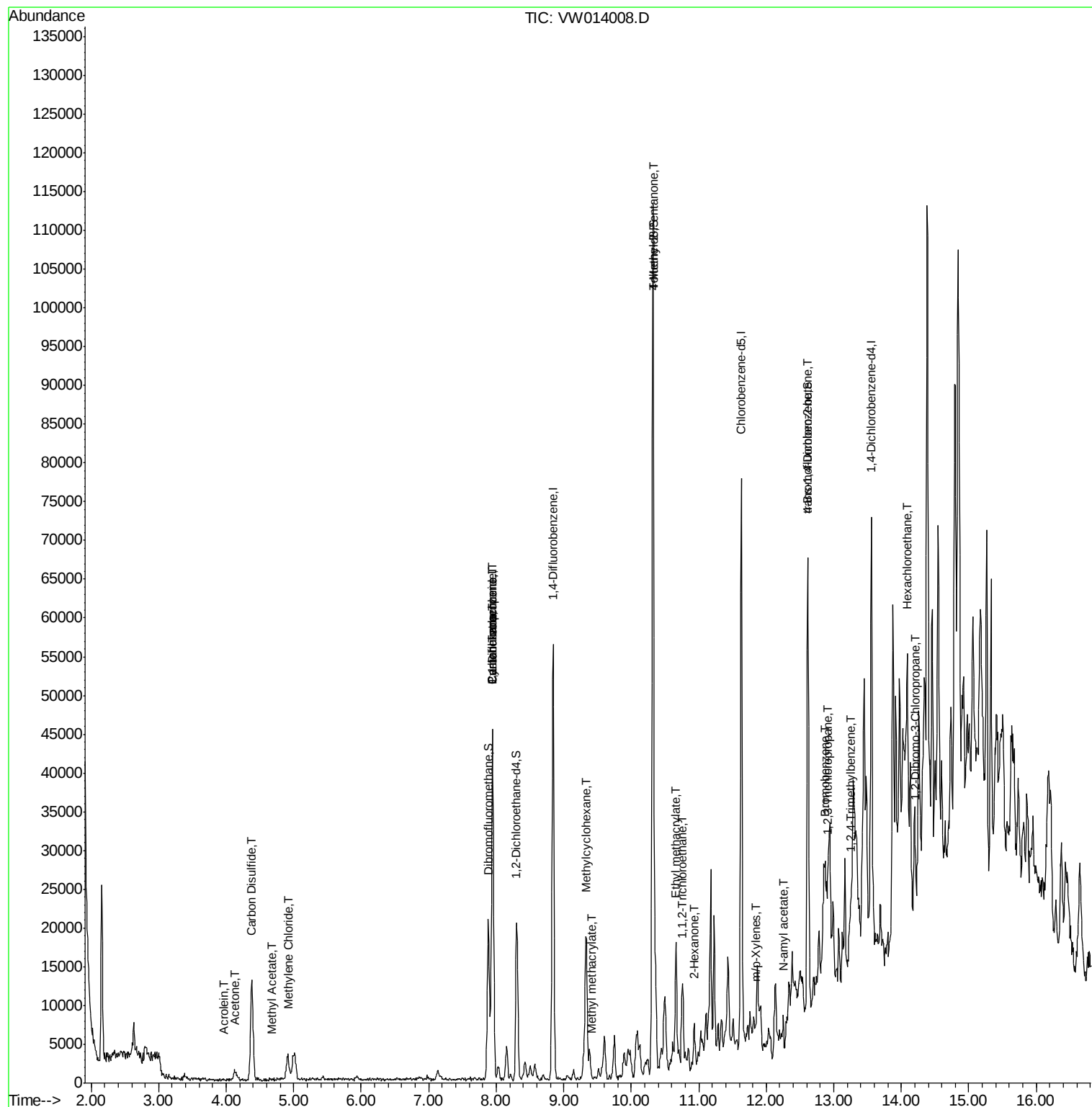
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.96	56	56	3.011	ug/l #	15
16) Acetone	4.13	43	2652	45.989	ug/l #	86
17) Carbon Disulfide	4.38	76	25799	27.628	ug/l #	94
18) Methyl Acetate	4.68	43	175	1.107	ug/l #	50
20) Methylene Chloride	4.91	84	2311	2.801	ug/l #	78
31) Cyclohexane	7.95	56	1362	2.253	ug/l #	57
36) 1,1-Dichloropropene	7.95	75	2392	5.174	ug/l #	43
38) Carbon Tetrachloride	7.95	117	3319	7.972	ug/l #	20
39) Methylcyclohexane	9.33	83	7546	12.639	ug/l	97
48) Methyl methacrylate	9.43	41	224	1.333	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	1422	8.448	ug/l	92
55) 1,1,2-Trichloroethane	10.76	97	4123	18.239	ug/l #	21
56) Ethyl methacrylate	10.66	69	1573	5.562	ug/l #	1
59) 2-Hexanone	10.94	43	1918	16.528	ug/l #	23
68) m/p-Xylenes	11.84	106	645	1.042	ug/l	93
74) N-amyl acetate	12.24	43	1178	5.045	ug/l #	52
76) 1,2,3-Trichloropropane	12.90	75	300	2.486	ug/l #	100
77) Bromobenzene	12.87	156	9998	34.676	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	9121	142.815	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.25	105	3042	3.027	ug/l	92
90) Hexachloroethane	14.09	117	962	4.804	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.21	75	130	4.514	ug/l	57

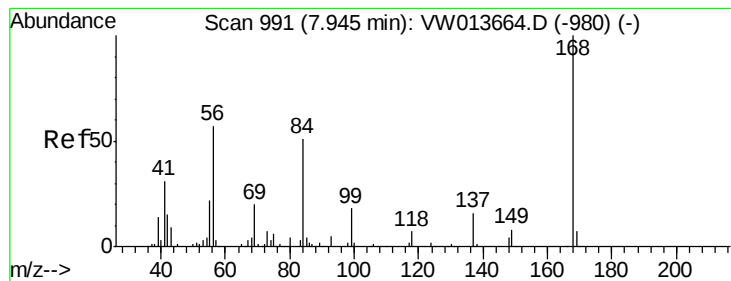
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111319\
Data File : VW014008.D
Acq On : 13 Nov 2019 15:51
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Misc : 11.20G/5.0ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :

Quant Time: Nov 14 05:56:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 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: VW014008.D

Acq: 13 Nov 2019 15:51

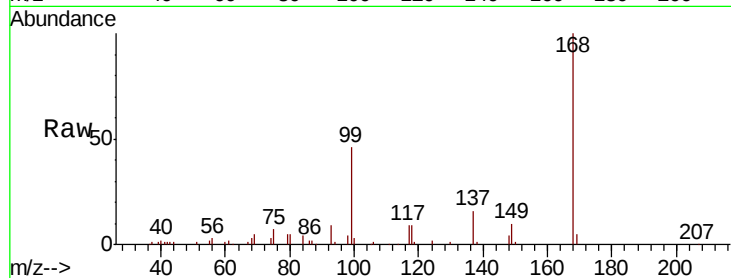
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 36255

Ion Ratio Lower Upper

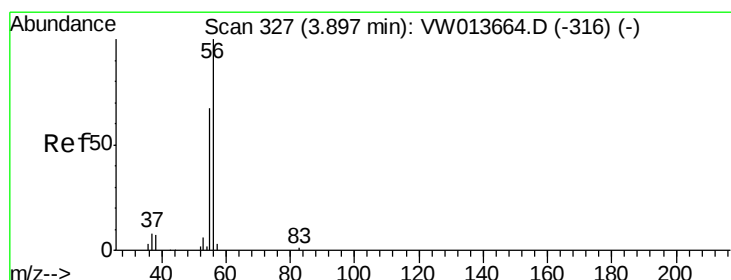
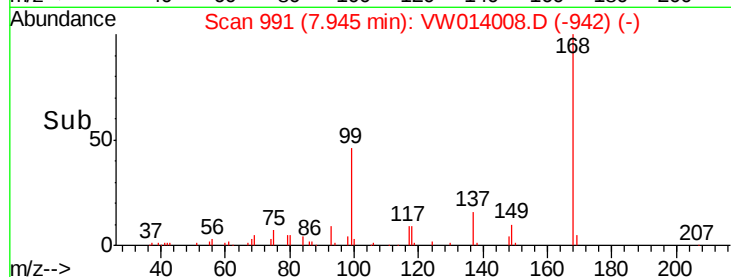
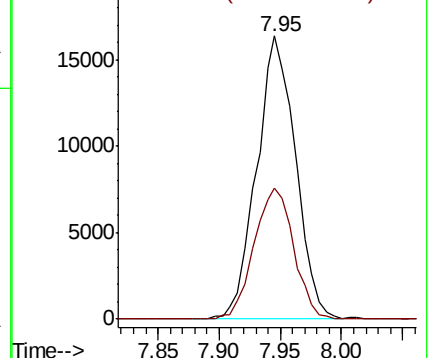
168 100

99 46.2 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#13

Acrolein

Concen: 3.011 ug/l

RT: 3.96 min Scan# 338

Delta R.T. 0.07 min

Lab File: VW014008.D

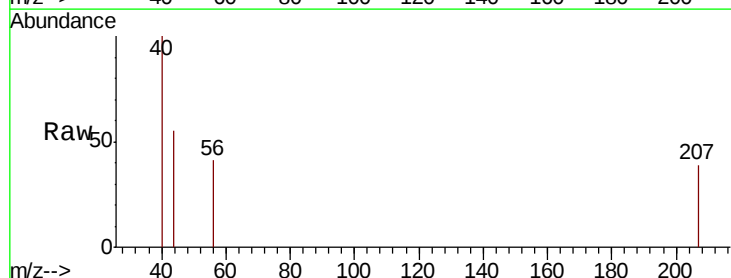
Acq: 13 Nov 2019 15:51

Tgt Ion: 56 Resp: 56

Ion Ratio Lower Upper

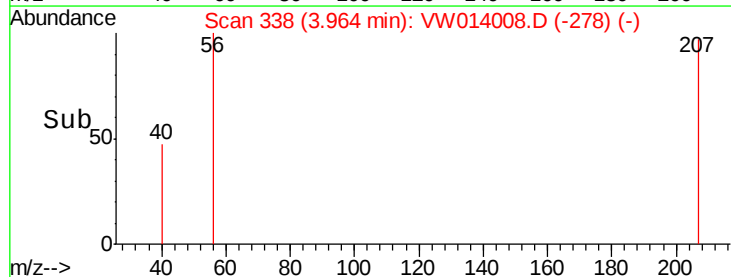
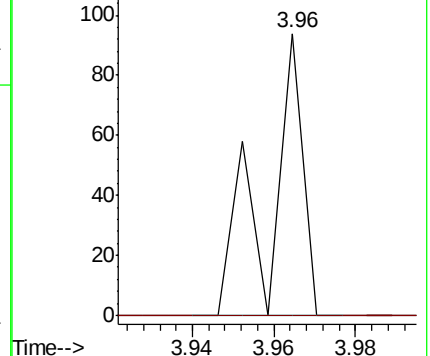
56 100

55 0.0 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 45.989 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW014008.D

Acq: 13 Nov 2019 15:51

Instrument :

MSVOA_W

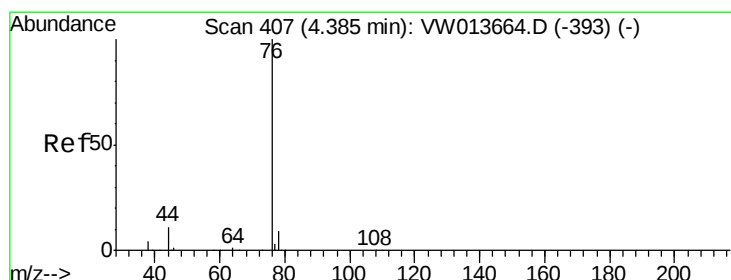
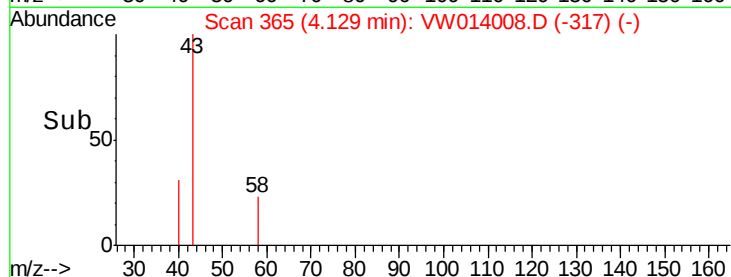
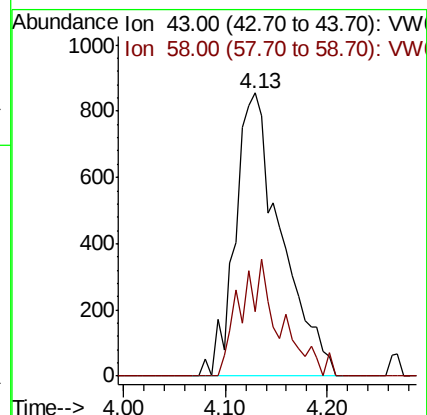
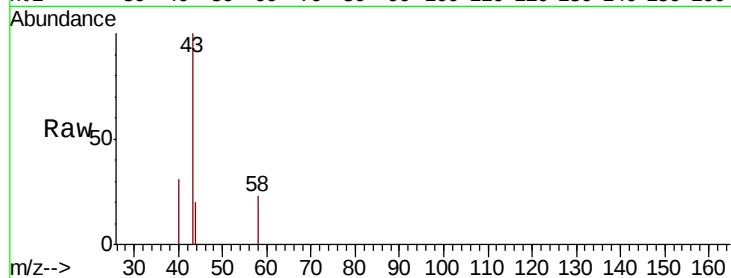
ClientSampleId :

Tot Ion: 43 Resp: 2652

Ion Ratio Lower Upper

43 100

58 22.6 24.1 36.1#



#17

Carbon Disulfide

Concen: 27.628 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014008.D

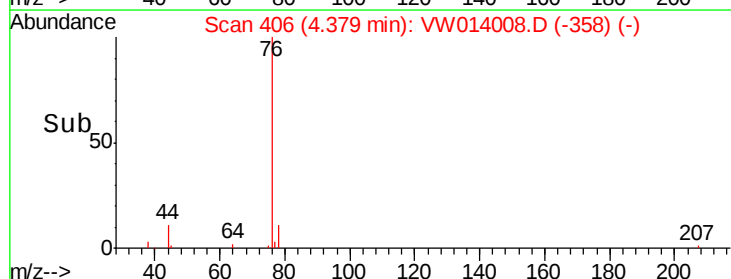
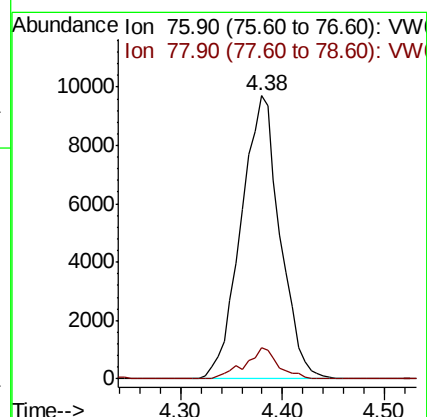
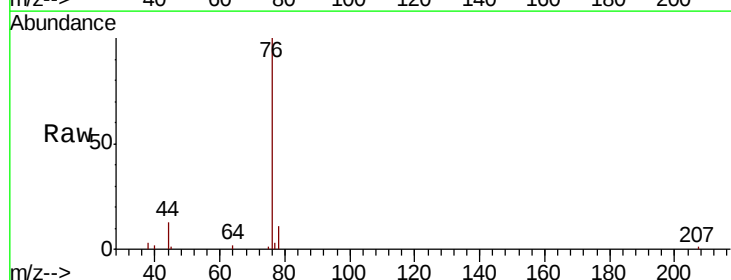
Acq: 13 Nov 2019 15:51

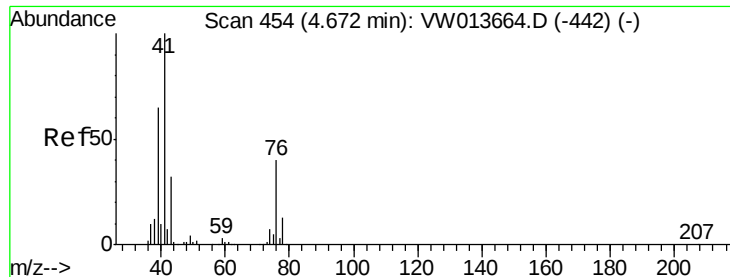
Tgt Ion: 76 Resp: 25799

Ion Ratio Lower Upper

76 100

78 11.0 7.0 10.6#

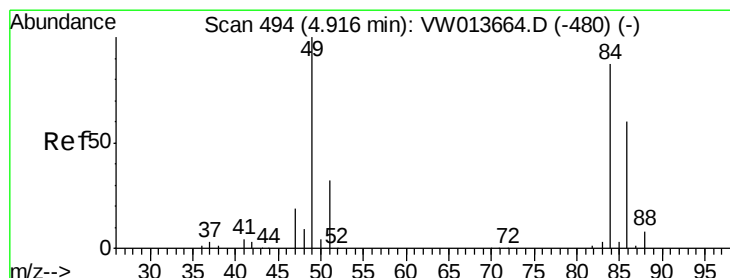
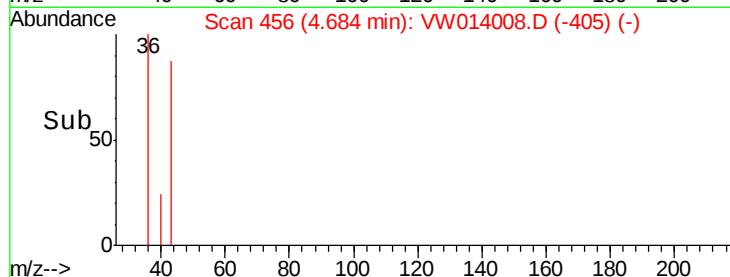
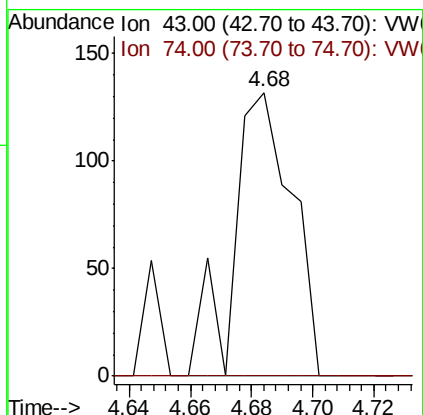
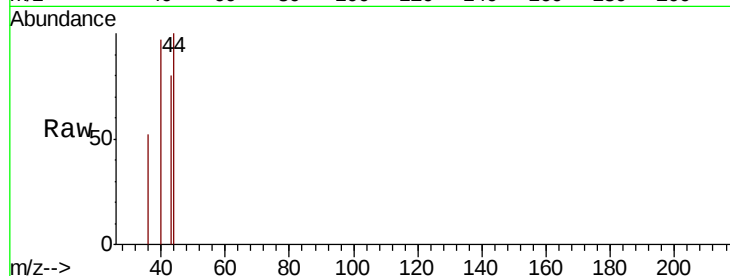




#18
Methyl Acetate
Concen: 1.107 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW014008.D
Acq: 13 Nov 2019 15:51

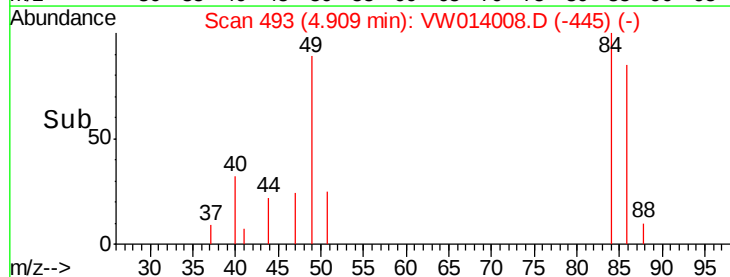
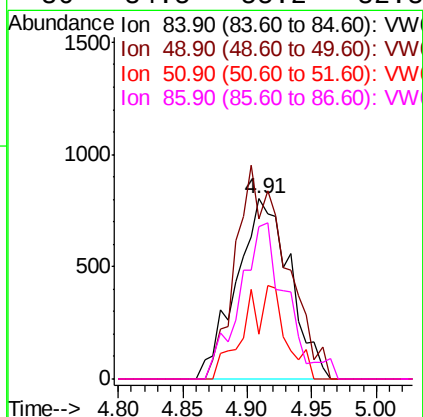
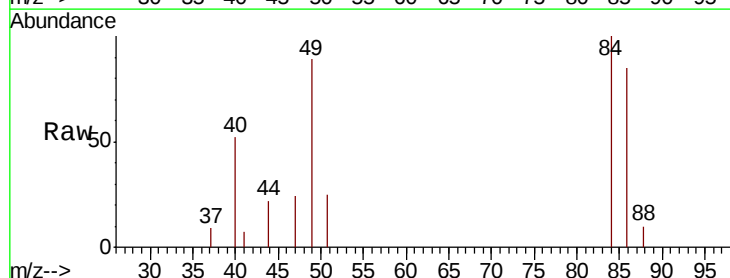
Instrument :
MSVOA_W
ClientSampled :

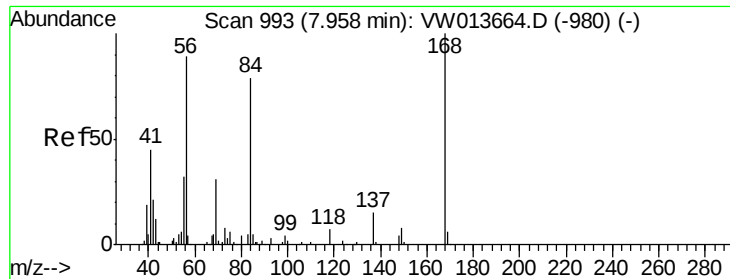
Tot Ion: 43 Resp: 175
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.8#



#20
Methylene Chloride
Concen: 2.801 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW014008.D
Acq: 13 Nov 2019 15:51

Tgt Ion: 84 Resp: 2311
Ion Ratio Lower Upper
84 100
49 88.7 91.8 137.6#
51 24.8 29.8 44.6#
86 84.5 55.2 82.8#

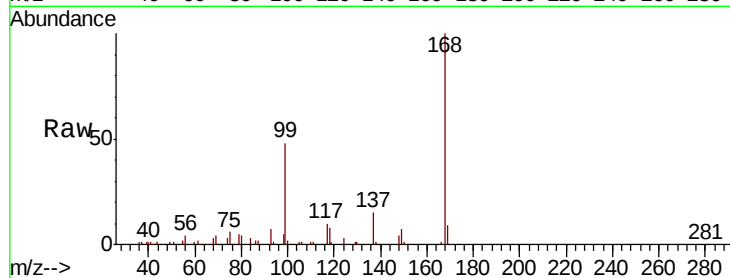




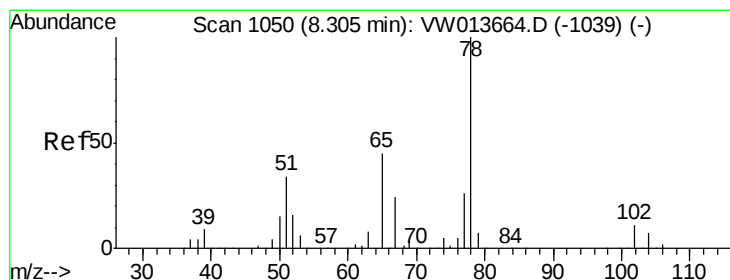
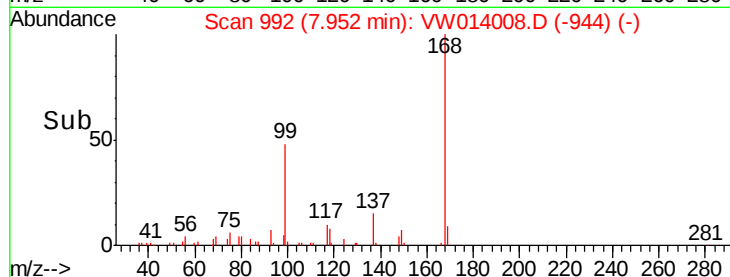
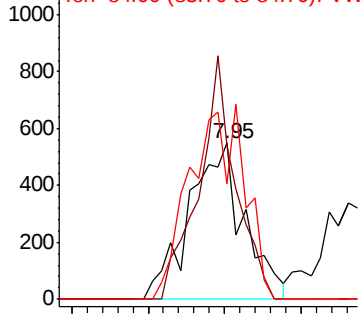
#31
Cyclohexane
Concen: 2.253 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW014008.D
Acq: 13 Nov 2019 15:51

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 1362
Ion Ratio Lower Upper
56 100
69 98.4 27.5 41.3#
84 73.6 70.8 106.2

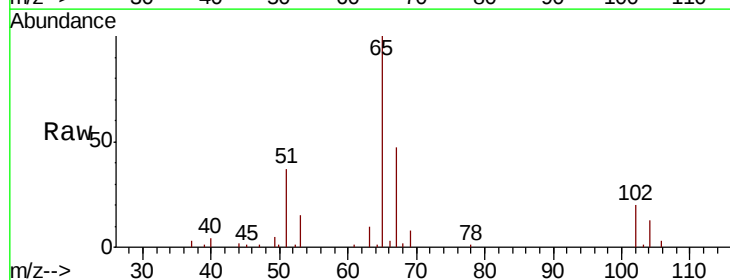


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

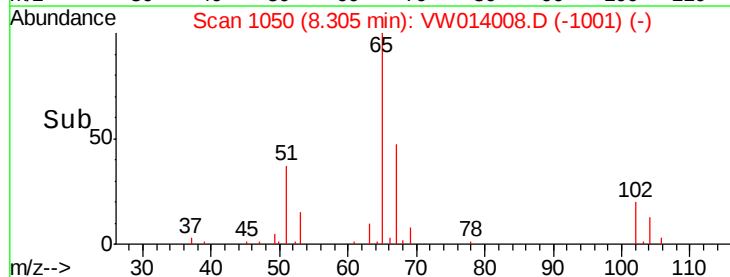
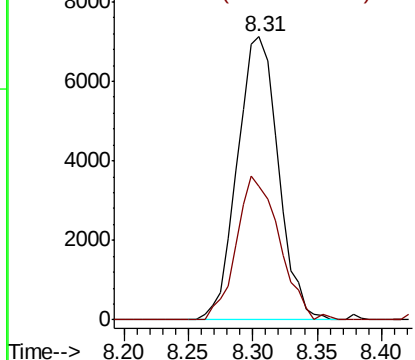


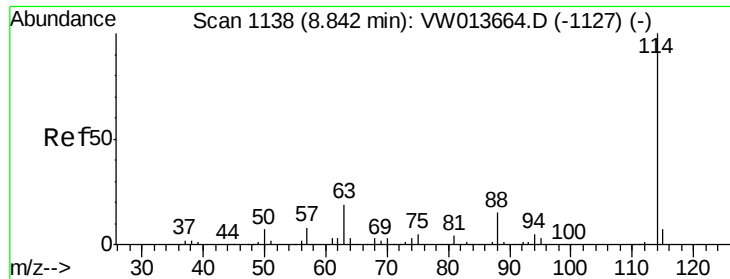
#33
1,2-Dichloroethane-d4
Concen: 57.727 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW014008.D
Acq: 13 Nov 2019 15:51

Tgt Ion: 65 Resp: 15700
Ion Ratio Lower Upper
65 100
67 53.2 0.0 109.4



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

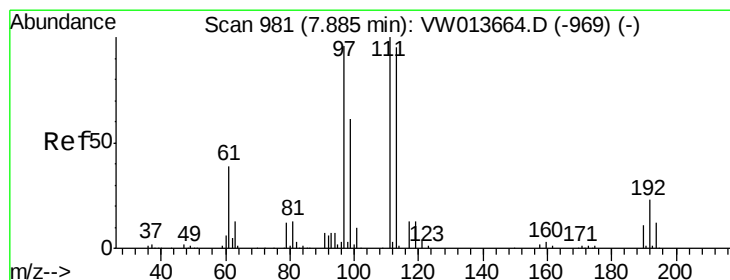
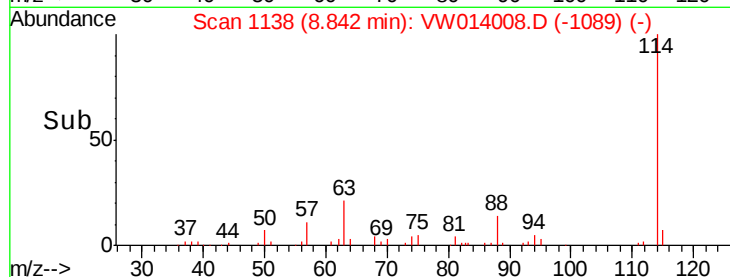
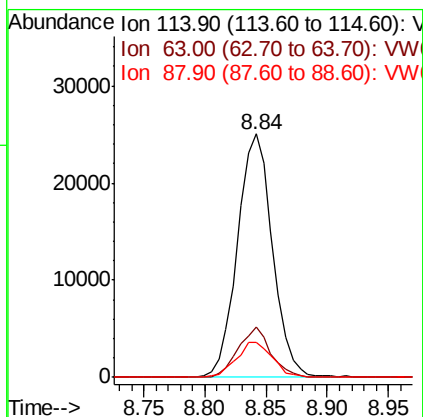
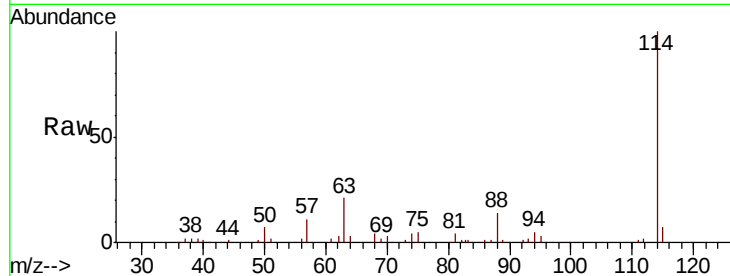




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014008.D
 Acq: 13 Nov 2019 15:51

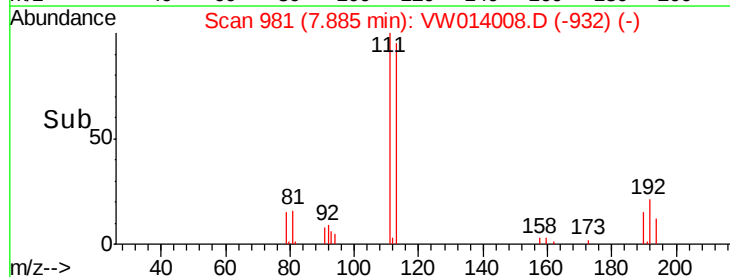
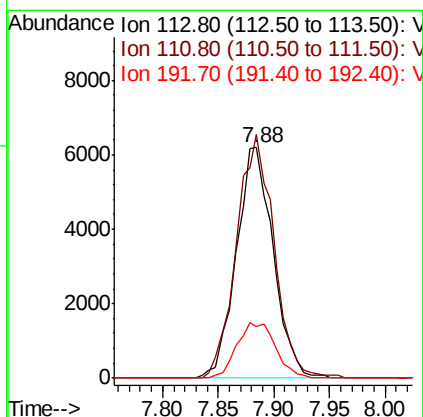
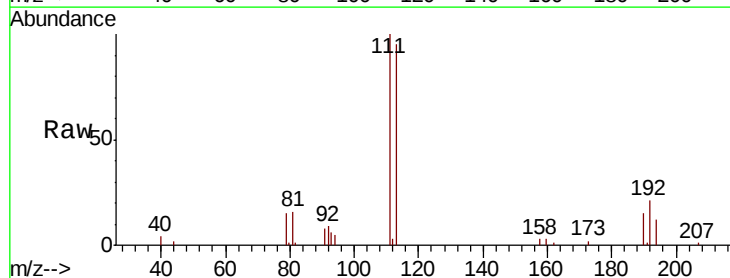
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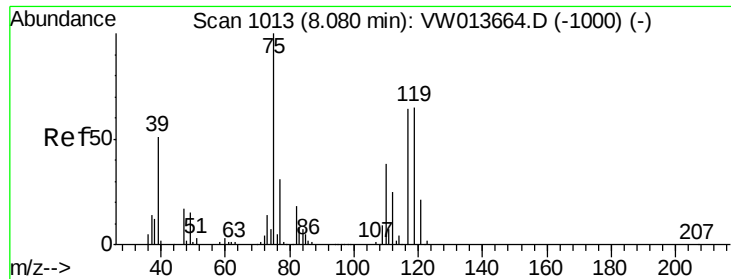
Tot Ion:114 Resp: 49642
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 37.6
 88 14.2 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 51.650 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW014008.D
 Acq: 13 Nov 2019 15:51

Tgt Ion:113 Resp: 14247
 Ion Ratio Lower Upper
 113 100
 111 107.1 83.0 124.6
 192 25.1 19.4 29.2

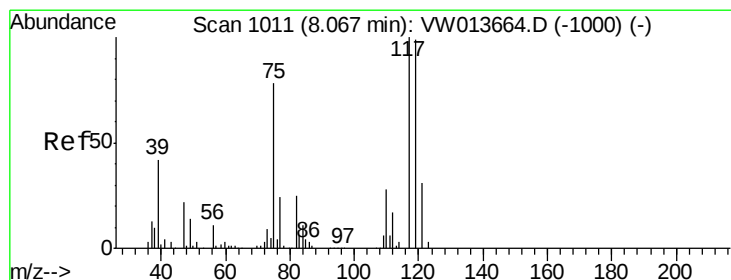
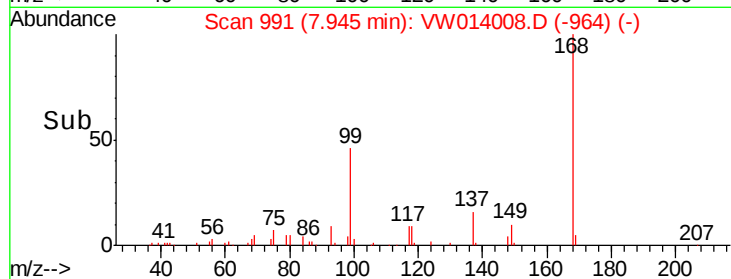
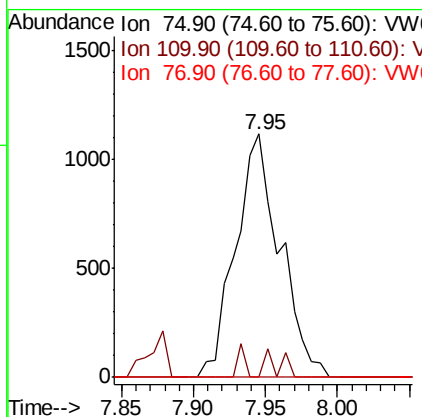
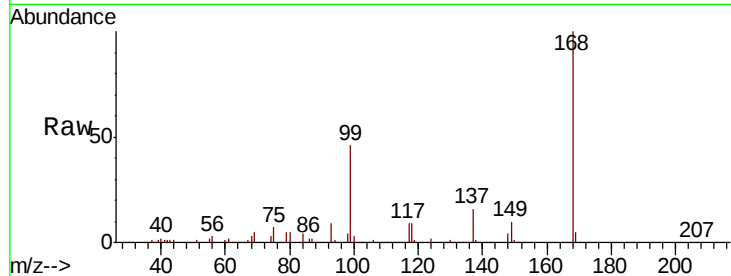




#36
 1,1-Dichloropropene
 Concen: 5.174 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW014008.D
 Acq: 13 Nov 2019 15:51

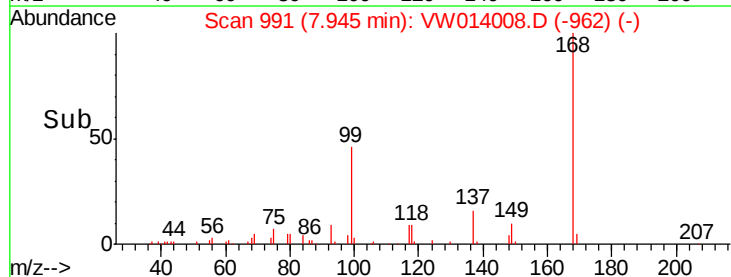
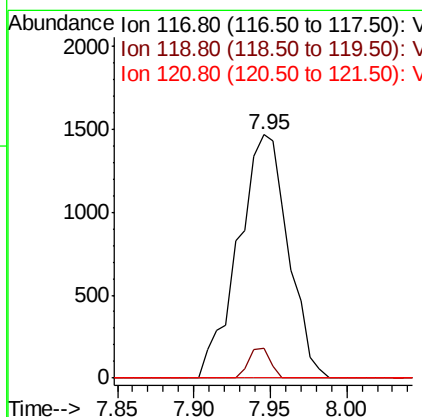
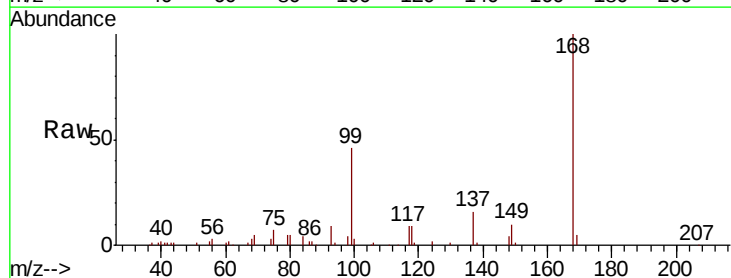
Instrument :
 MSVOA_W
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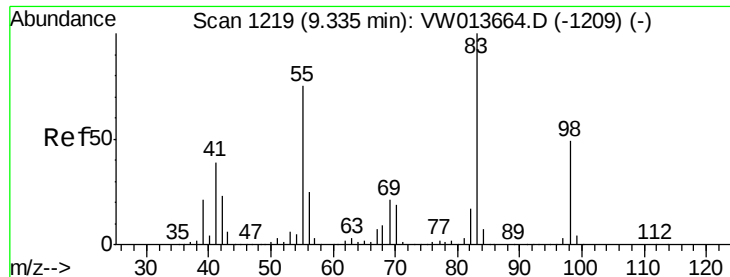
Tot Ion	Ratio	Lower	Upper
75	100		
110	3.7	18.7	56.1#
77	0.0	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 7.972 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW014008.D
 Acq: 13 Nov 2019 15:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	12.5	79.0	118.4#
121	0.0	24.5	36.7#

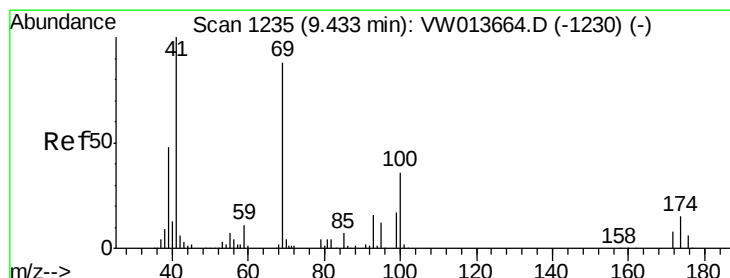
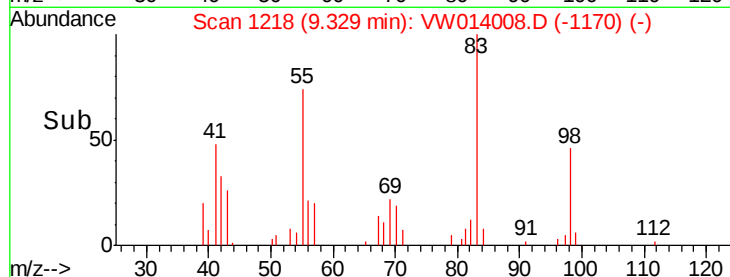
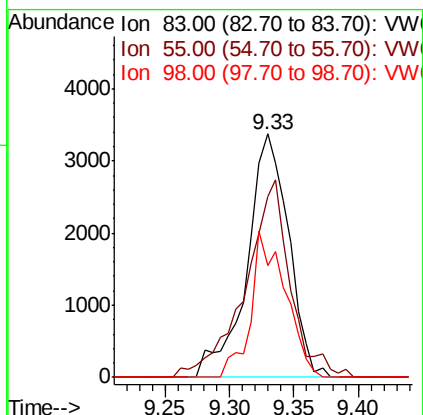
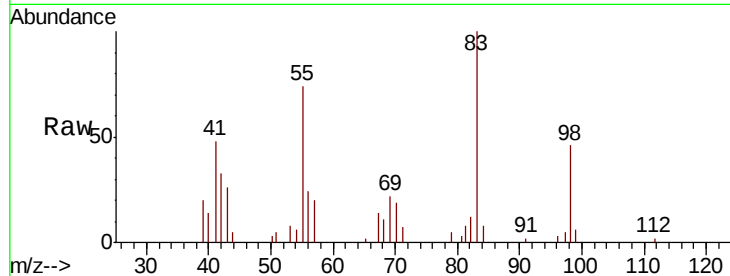




#39
Methylcyclohexane
Concen: 12.639 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014008.D
Acq: 13 Nov 2019 15:51

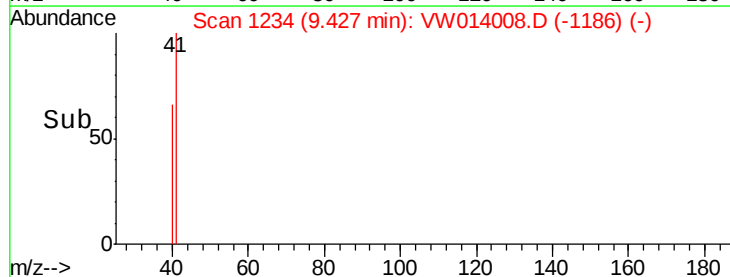
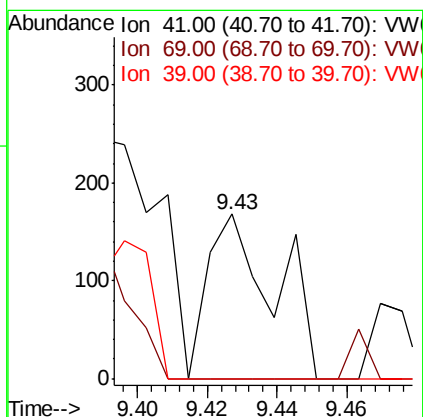
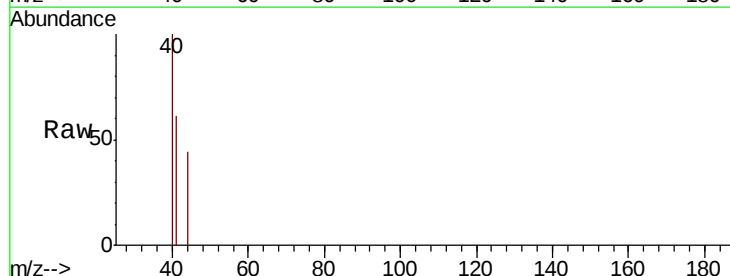
Instrument :
MSVOA_W
ClientSampled :

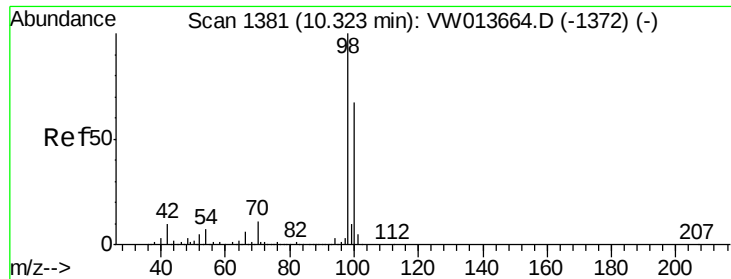
Tot Ion: 83 Resp: 7546
Ion Ratio Lower Upper
83 100
55 72.7 59.9 89.9
98 46.1 39.4 59.2



#48
Methyl methacrylate
Concen: 1.333 ug/l
RT: 9.43 min Scan# 1234
Delta R.T. -0.01 min
Lab File: VW014008.D
Acq: 13 Nov 2019 15:51

Tgt Ion: 41 Resp: 224
Ion Ratio Lower Upper
41 100
69 0.0 67.6 101.4#
39 0.0 38.6 58.0#

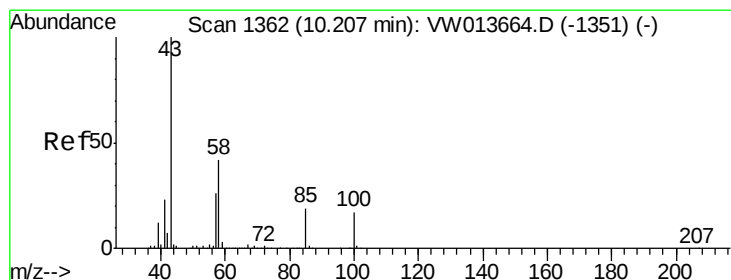
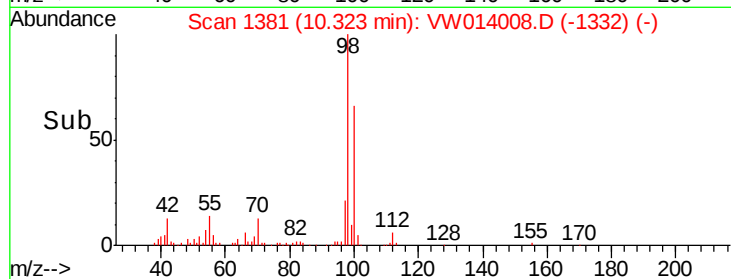
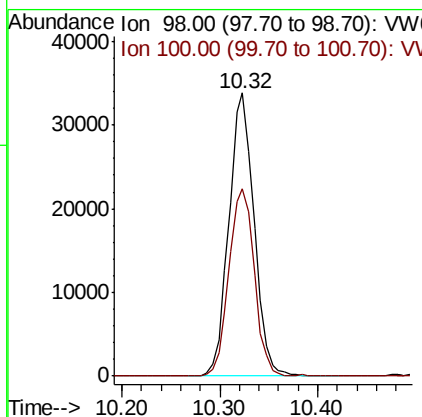
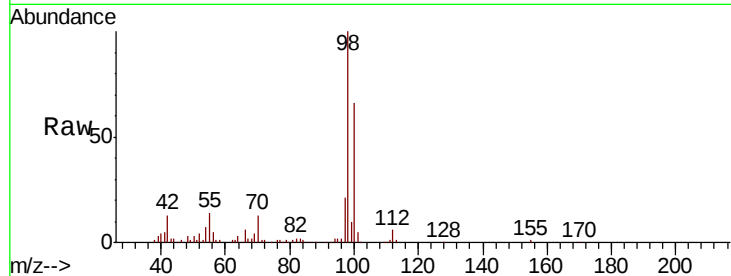




#50
Toluene-d8
Concen: 53.883 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW014008.D
Acq: 13 Nov 2019 15:51

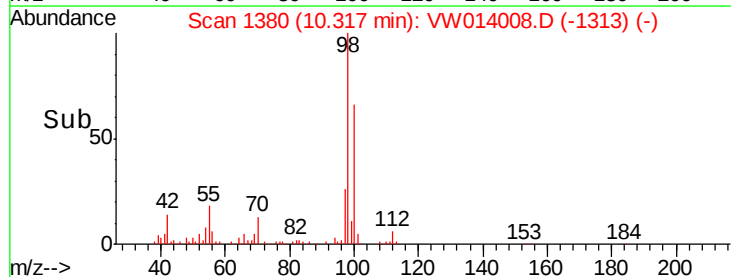
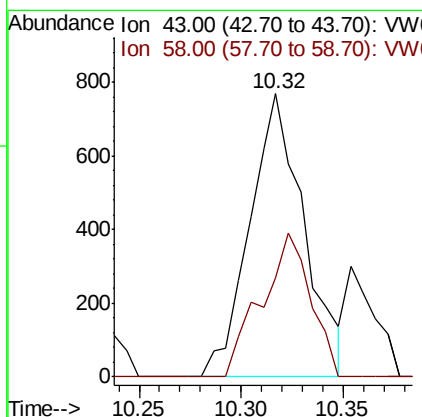
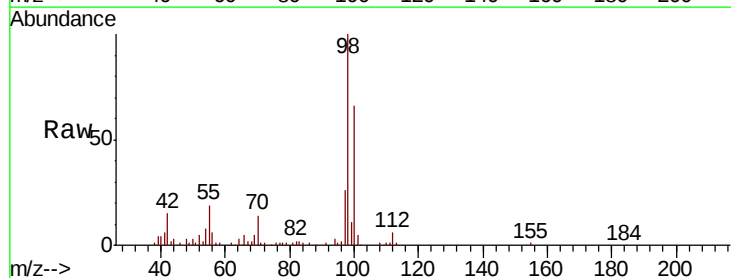
Instrument :
MSVOA_W
ClientSampleId :

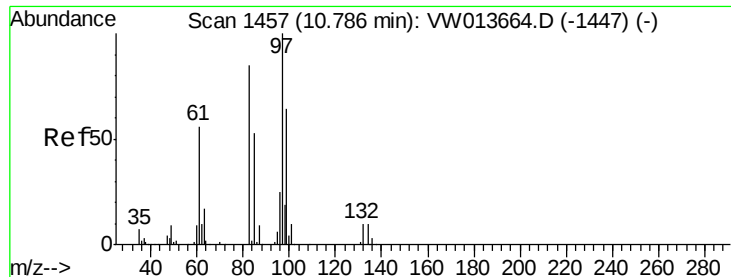
Tot Ion: 98 Resp: 60563
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 8.448 ug/l
RT: 10.32 min Scan# 1380
Delta R.T. 0.11 min
Lab File: VW014008.D
Acq: 13 Nov 2019 15:51

Tgt Ion: 43 Resp: 1422
Ion Ratio Lower Upper
43 100
58 46.1 32.6 49.0

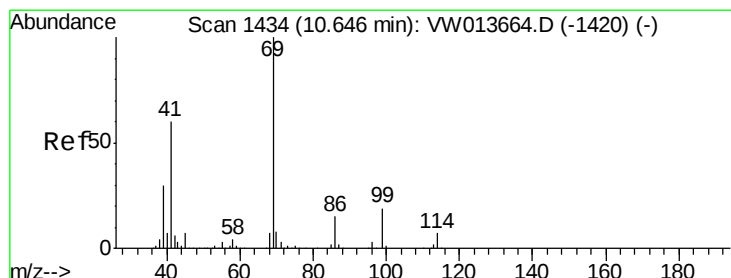
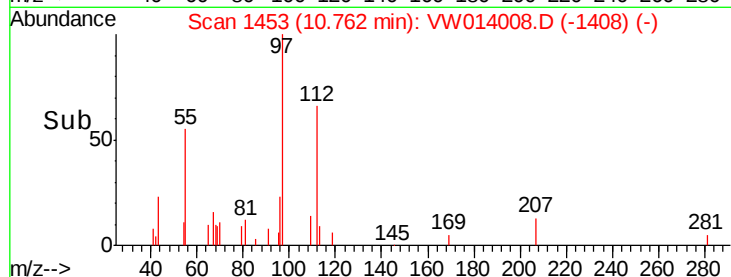
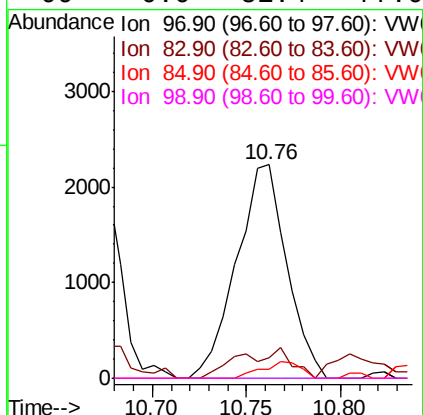
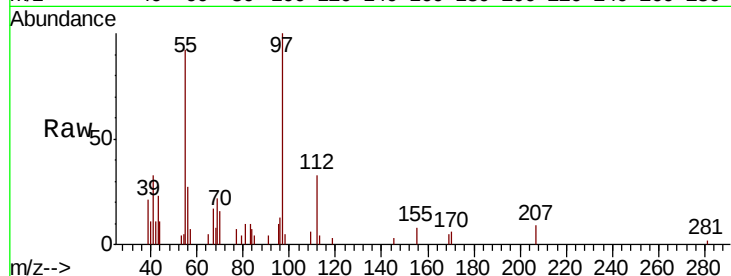




#55
 1,1,2-Trichloroethane
 Concen: 18.239 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW014008.D
 Acq: 13 Nov 2019 15:51

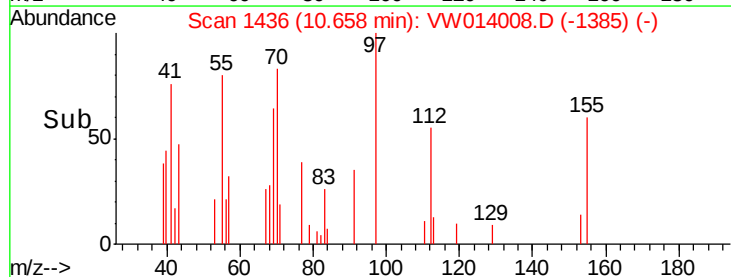
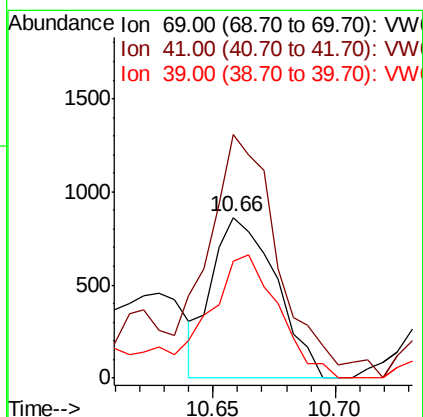
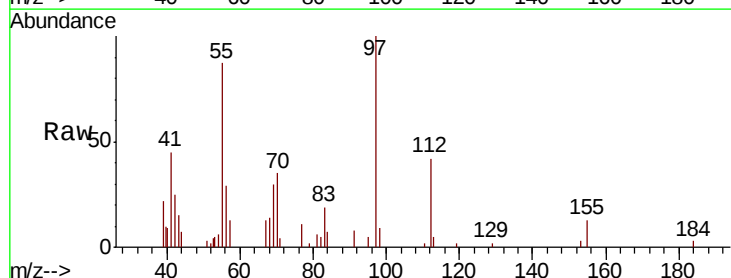
Instrument :
 MSVOA_W
 ClientSampleId :

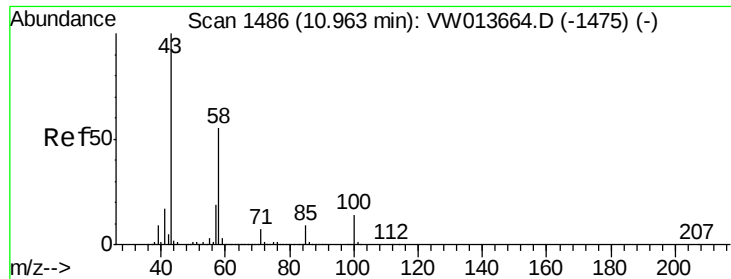
Tot Ion	Ratio	Lower	Upper
97	100		
83	9.6	67.8	101.8#
85	4.0	42.1	63.1#
99	0.0	51.4	77.0#



#56
 Ethyl methacrylate
 Concen: 5.562 ug/l
 RT: 10.66 min Scan# 1436
 Delta R.T. 0.01 min
 Lab File: VW014008.D
 Acq: 13 Nov 2019 15:51

Tgt Ion	Ratio	Lower	Upper
69	100		
41	167.6	51.6	77.4#
39	107.2	22.4	33.6#

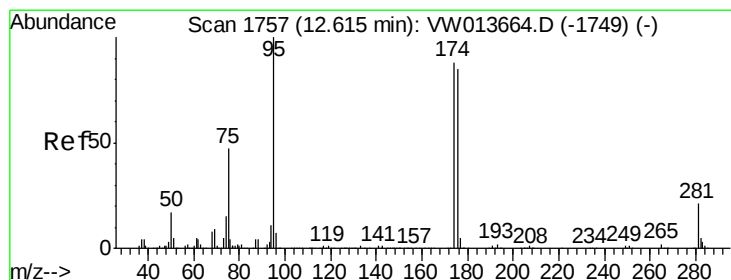
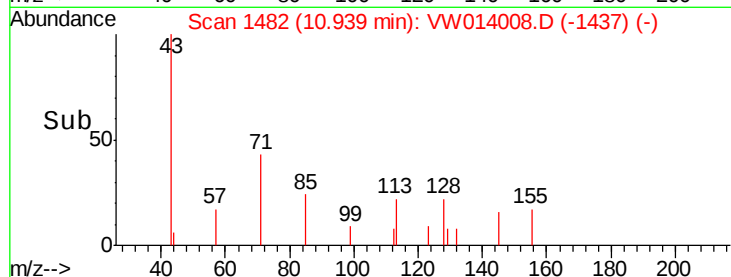
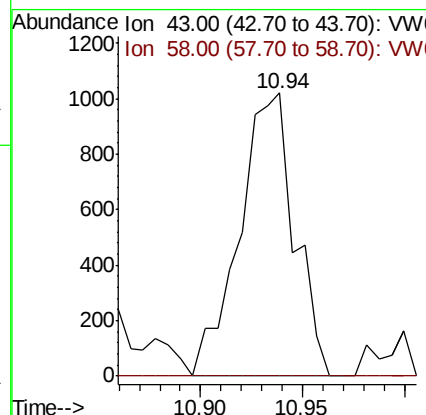
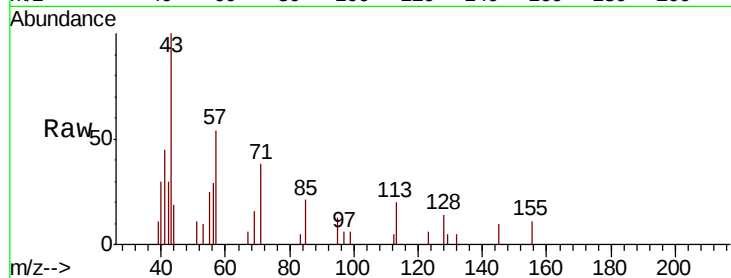




#59
2-Hexanone
Concen: 16.528 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.02 min
Lab File: VW014008.D
Acq: 13 Nov 2019 15:51

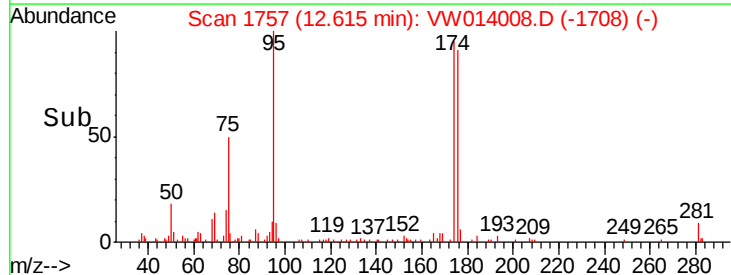
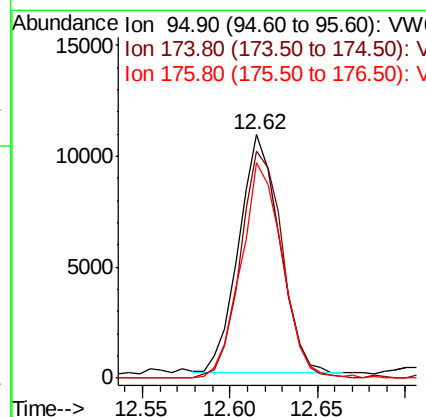
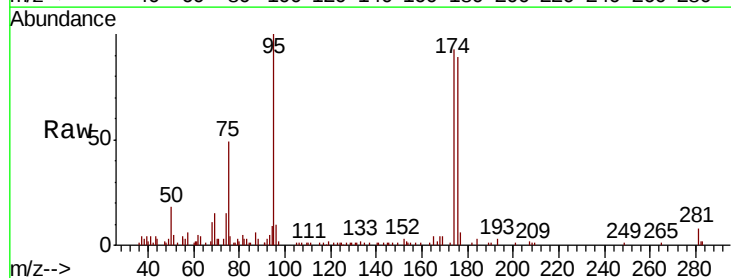
Instrument :
MSVOA_W
ClientSampled :

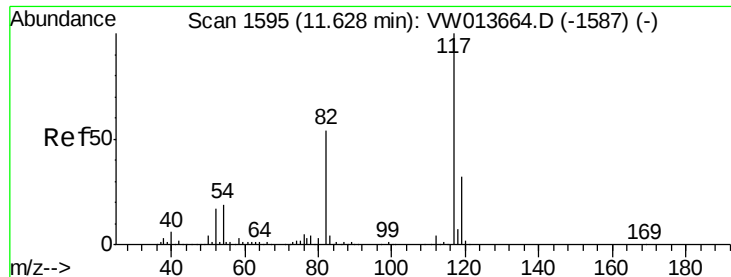
Tot Ion: 43 Resp: 1918
Ion Ratio Lower Upper
43 100
58 0.0 27.9 83.7#



#62
4-Bromofluorobenzene
Concen: 45.982 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW014008.D
Acq: 13 Nov 2019 15:51

Tgt Ion: 95 Resp: 17500
Ion Ratio Lower Upper
95 100
174 97.8 0.0 183.6
176 91.6 0.0 178.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VW014008.D

Acq: 13 Nov 2019 15:51

Instrument :

MSVOA_W

ClientSampled :

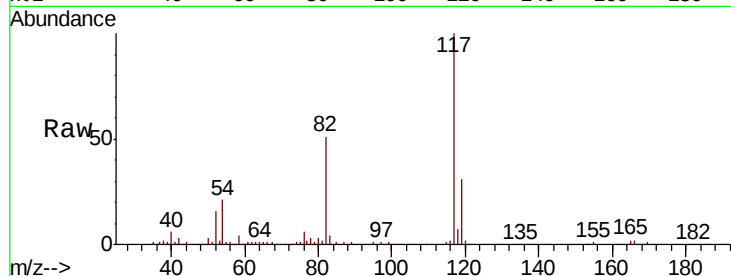
Tot Ion:117 Resp: 43228

Ion Ratio Lower Upper

117 100

82 49.7 43.6 65.4

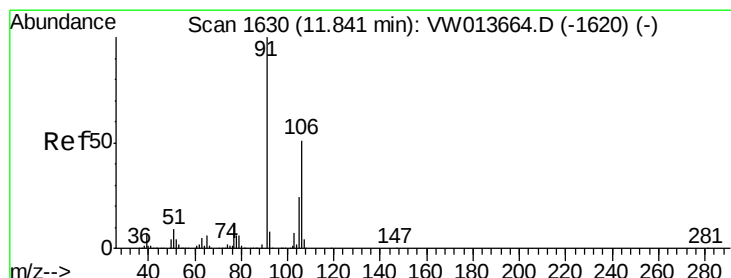
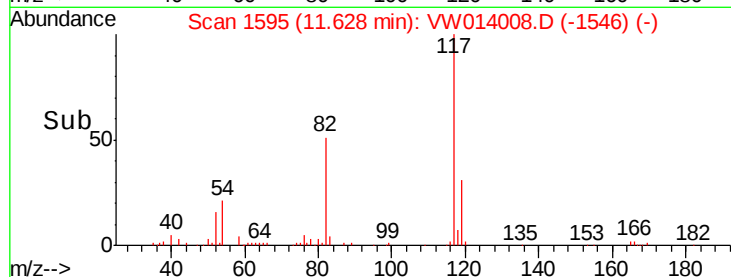
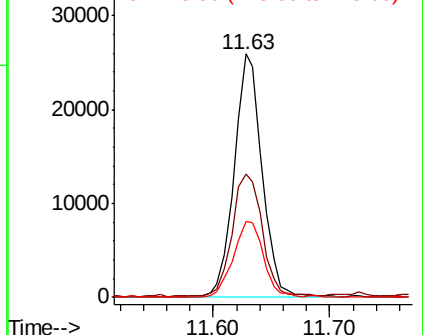
119 31.3 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#68

m/p-Xylenes

Concen: 1.042 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW014008.D

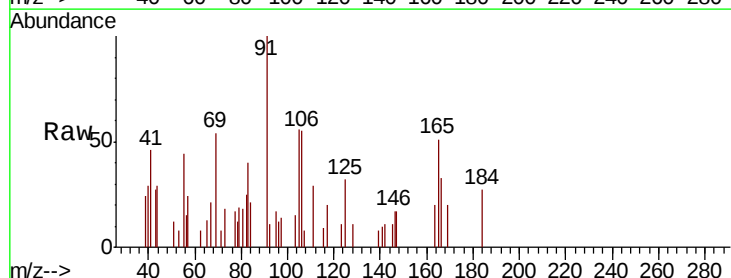
Acq: 13 Nov 2019 15:51

Tgt Ion:106 Resp: 645

Ion Ratio Lower Upper

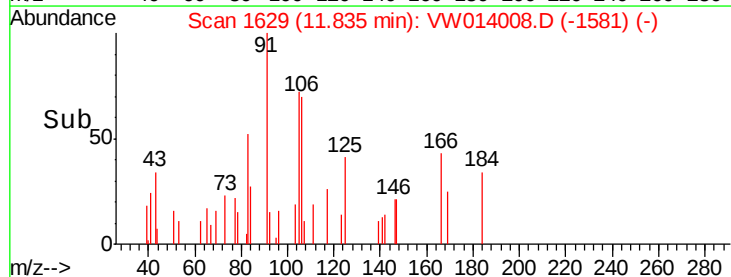
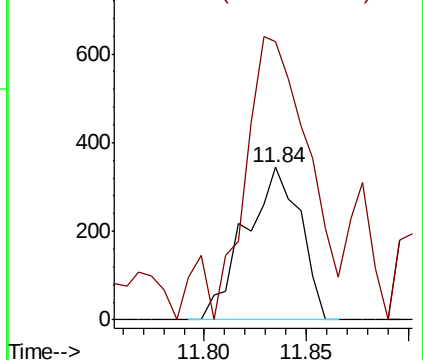
106 100

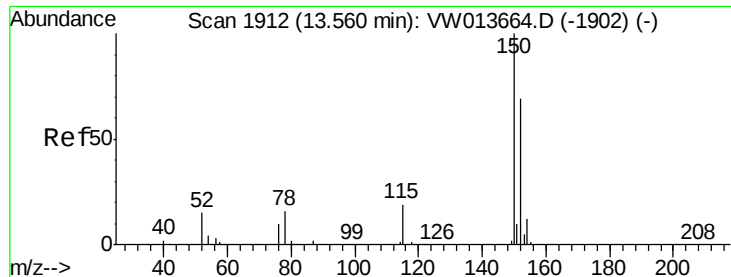
91 209.0 159.2 238.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



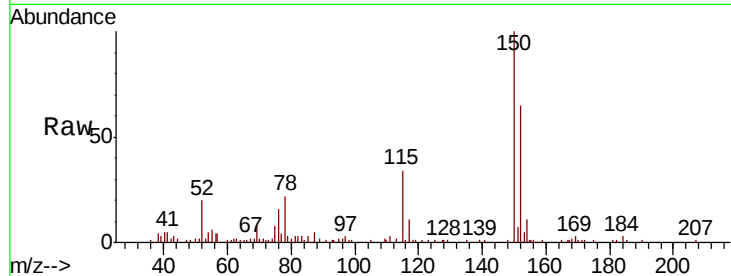


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW014008.D
Acq: 13 Nov 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	52.4	27.4	82.2
150	150.5	0.0	345.4

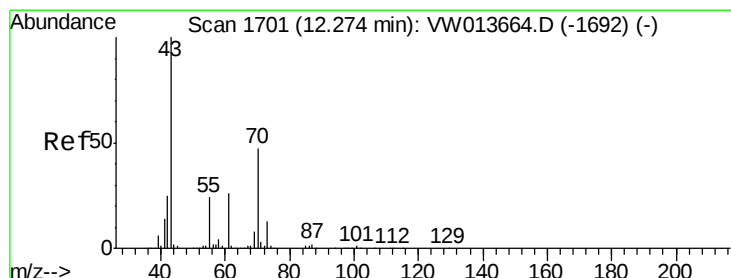
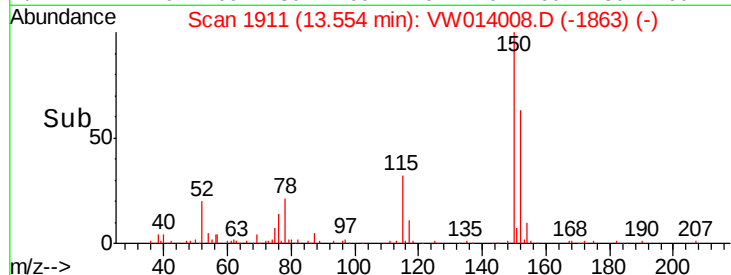
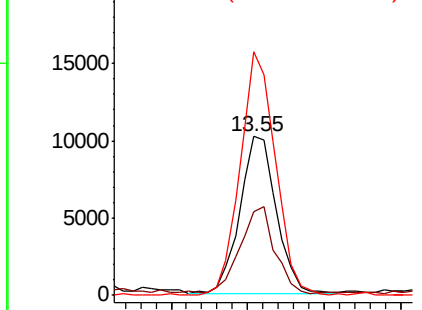


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

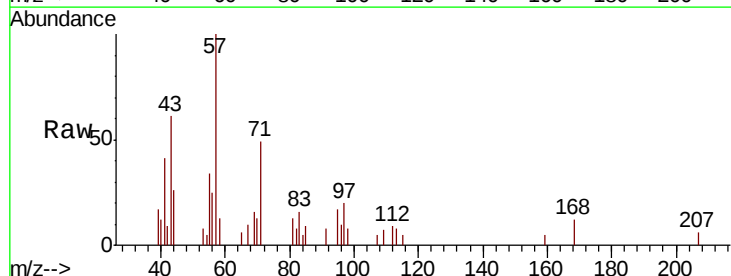
Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate
Concen: 5.045 ug/l
RT: 12.24 min Scan# 1696
Delta R.T. -0.03 min
Lab File: VW014008.D
Acq: 13 Nov 2019 15:51

Tgt Ion	Ratio	Lower	Upper
43	100		
70	15.3	36.6	55.0#
55	0.0	20.3	30.5#
61	0.0	20.4	30.6#



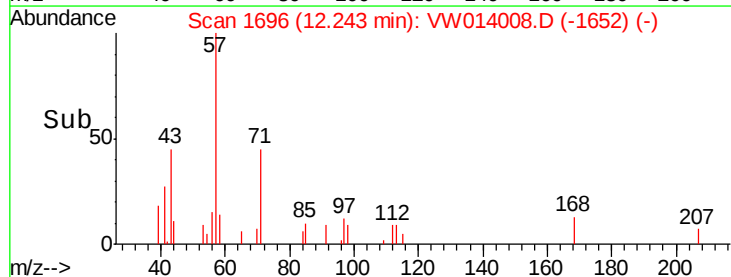
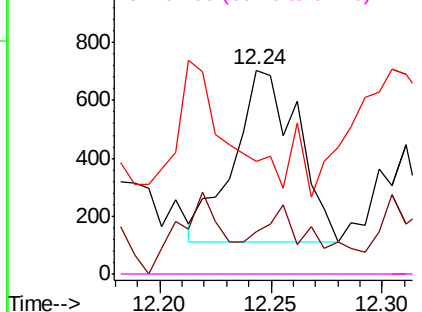
Abundance

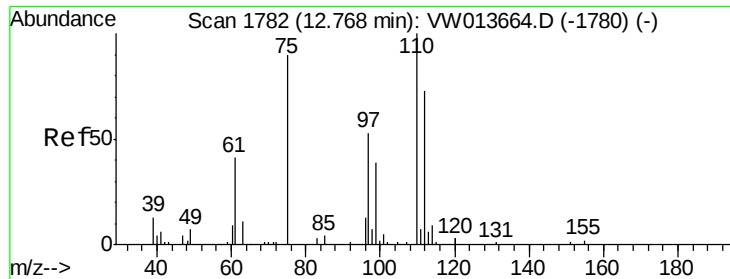
Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

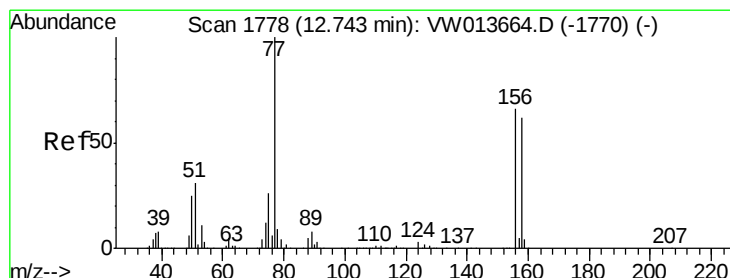
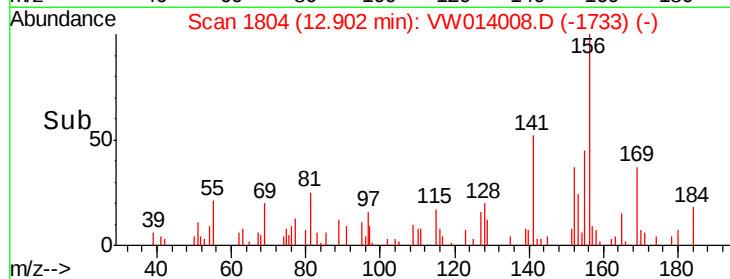
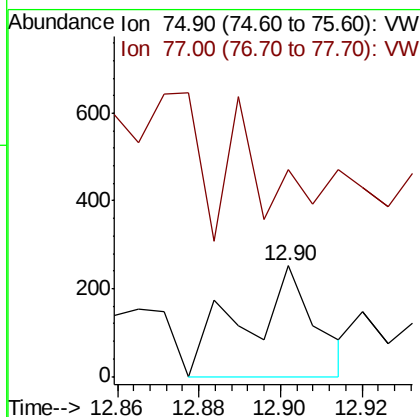
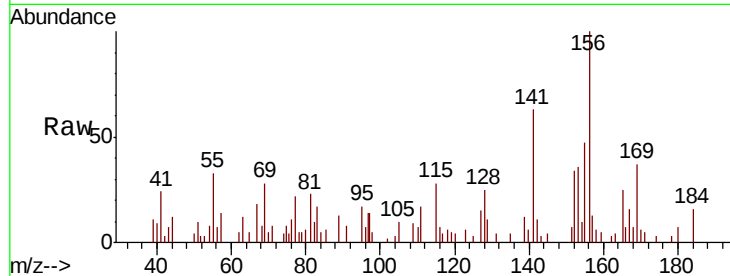




#76
 1,2,3-Trichloropropane
 Concen: 2.486 ug/l
 RT: 12.90 min Scan# 1804
 Delta R.T. 0.13 min
 Lab File: VW014008.D
 Acq: 13 Nov 2019 15:51

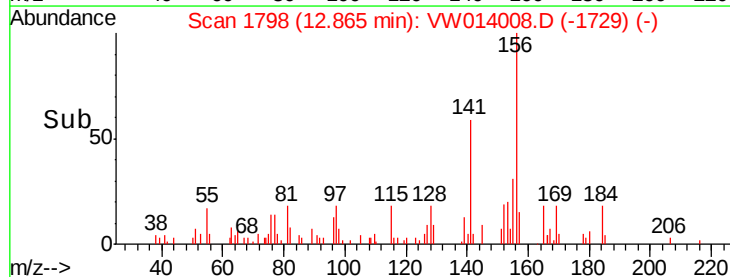
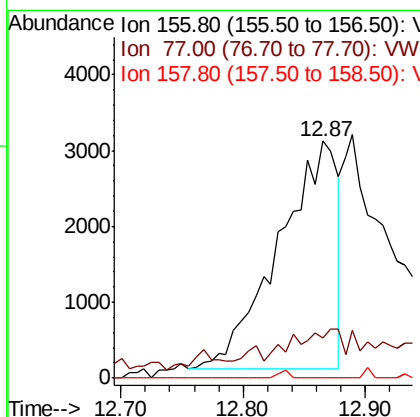
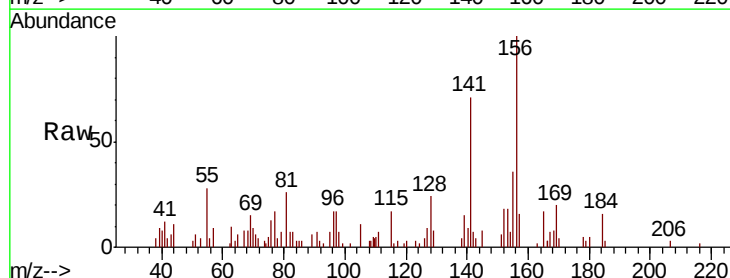
Instrument :
 MSVOA_W
 ClientSampled :

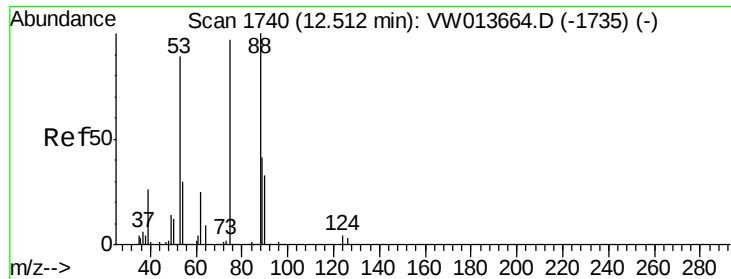
Tot Ion: 75 Resp: 300
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 34.676 ug/l
 RT: 12.87 min Scan# 1798
 Delta R.T. 0.12 min
 Lab File: VW014008.D
 Acq: 13 Nov 2019 15:51

Tgt Ion: 156 Resp: 9998
 Ion Ratio Lower Upper
 156 100
 77 10.6 82.9 248.7#
 158 0.0 48.4 145.2#





#81

trans-1,4-Dichloro-2-butene

Concen: 142.815 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014008.D

Acq: 13 Nov 2019 15:51

Instrument :

MSVOA_W

ClientSampled :

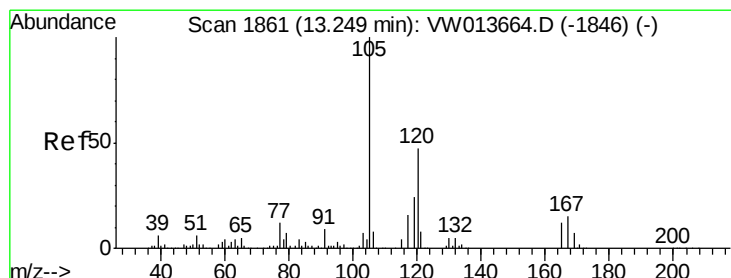
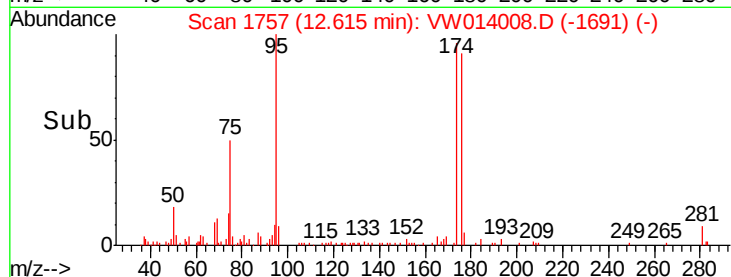
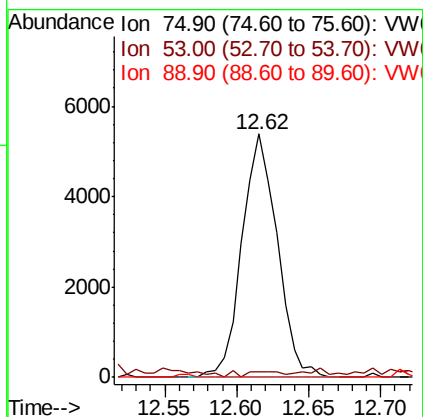
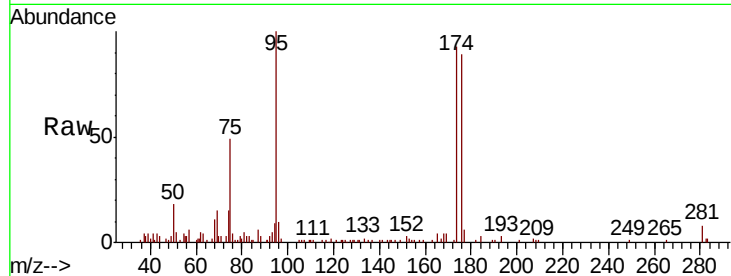
Tot Ion: 75 Resp: 9121

Ion Ratio Lower Upper

75 100

53 2.3 71.7 107.5#

89 0.0 35.8 53.8#



#84

1,2,4-Trimethylbenzene

Concen: 3.027 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW014008.D

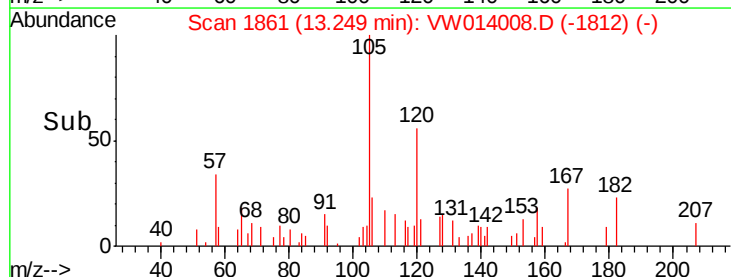
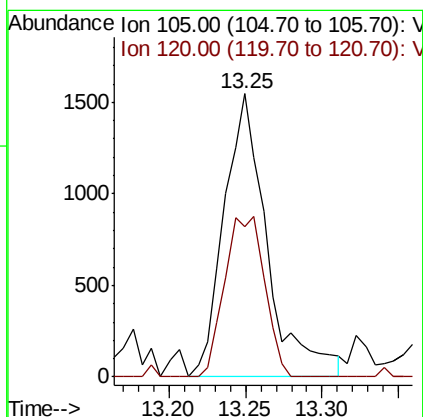
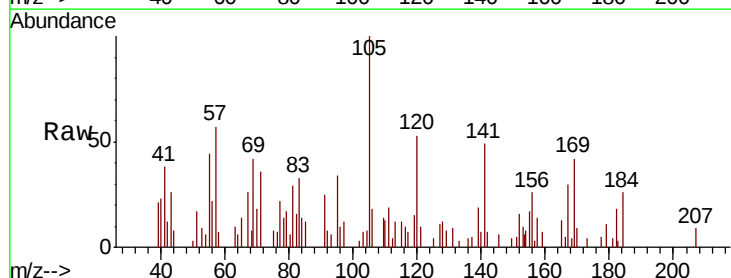
Acq: 13 Nov 2019 15:51

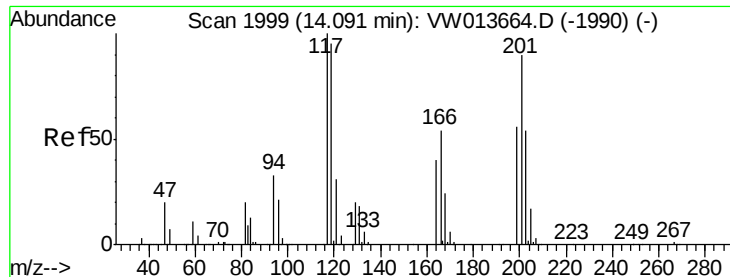
Tgt Ion: 105 Resp: 3042

Ion Ratio Lower Upper

105 100

120 52.3 23.5 70.5





#90

Hexachloroethane

Concen: 4.804 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW014008.D

Acq: 13 Nov 2019 15:51

Instrument :

MSVOA_W

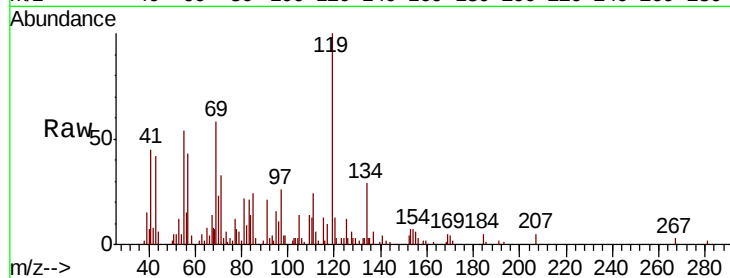
ClientSampled :

Tot Ion:117 Resp: 962

Ion Ratio Lower Upper

117 100

201 0.0 46.1 138.2#

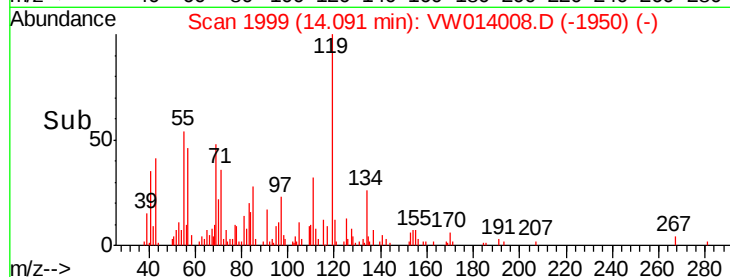


Abundance Ion 116.80 (116.50 to 117.50): V

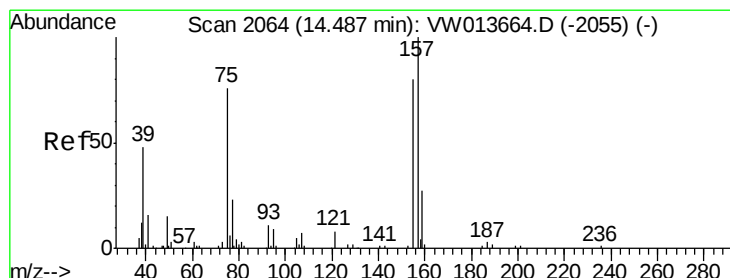
Ion 200.70 (200.40 to 201.40): V

14.09

Time-->



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.514 ug/l

RT: 14.21 min Scan# 2019

Delta R.T. -0.27 min

Lab File: VW014008.D

Acq: 13 Nov 2019 15:51

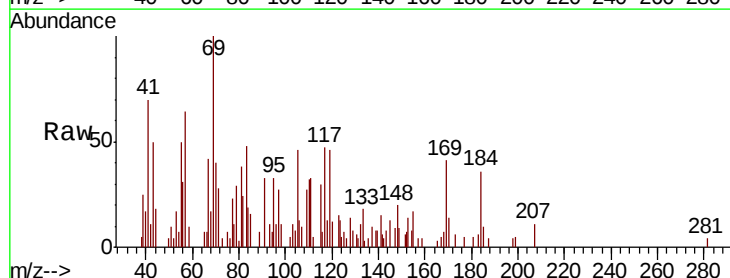
Tgt Ion: 75 Resp: 130

Ion Ratio Lower Upper

75 100

155 150.8 51.9 155.7

157 83.1 64.8 194.3



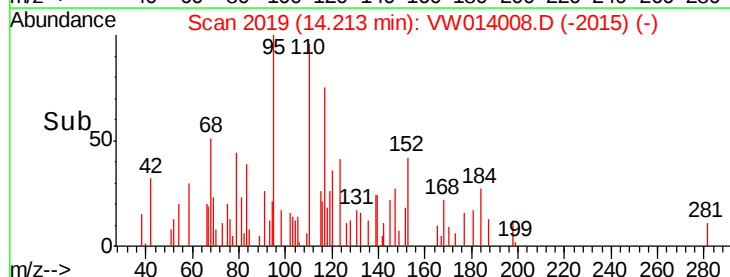
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.21

Time-->



Time-->