

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090419\
 Data File : VW012626.D
 Acq On : 05 Sep 2019 08:17
 Operator : SY/VA
 Sample : K4547-19
 Misc : 5.79G/5ML/MSVOA W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 05 11:19:35 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

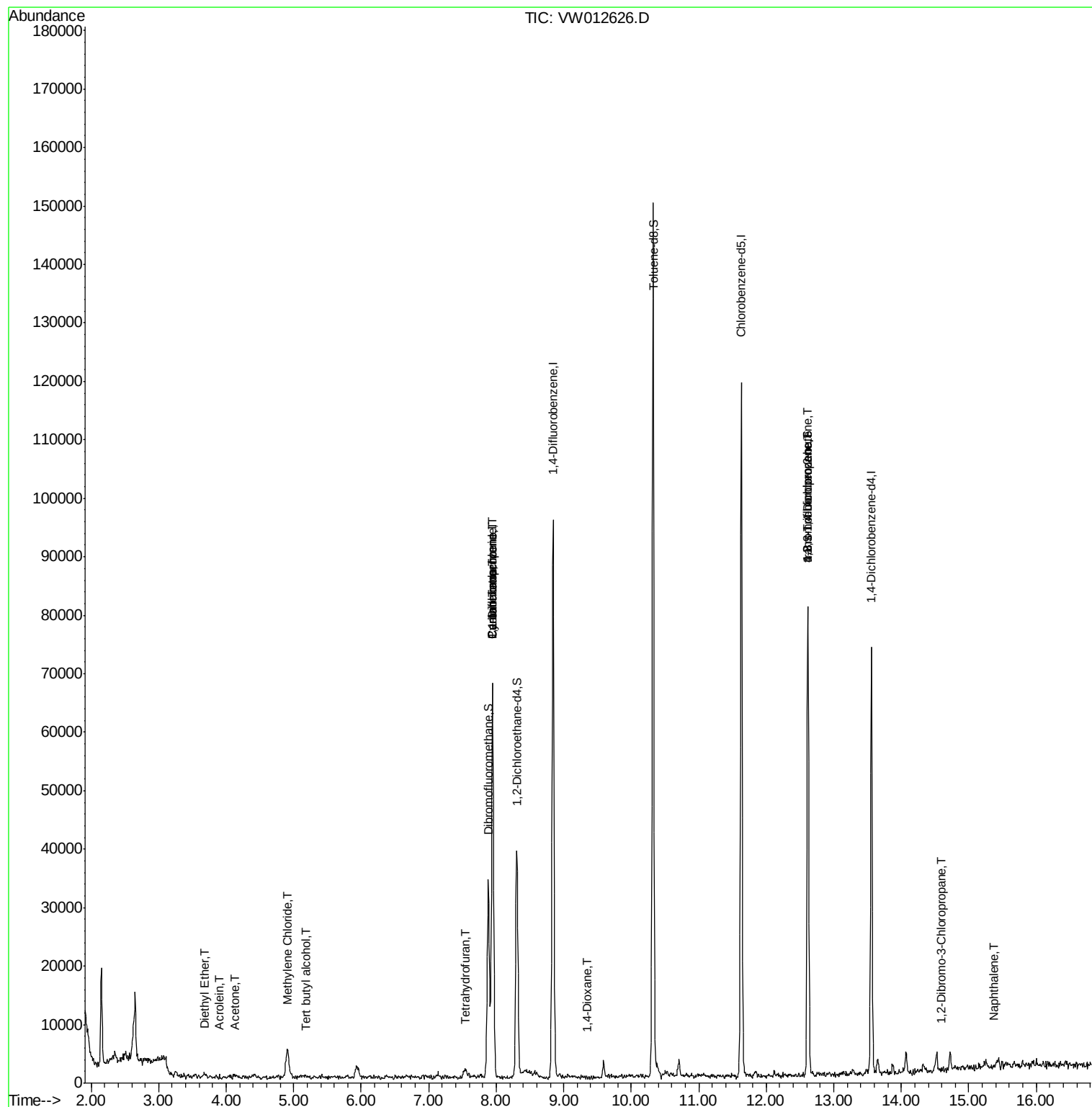
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	48018	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	70838	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	63589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	18120	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	32351	56.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.34%	
35) Dibromofluoromethane	7.88	113	23425	55.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.80%	
50) Toluene-d8	10.32	98	93953	54.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.60%	
62) 4-Bromofluorobenzene	12.62	95	25743	42.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.20%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	338	1.265	ug/l	58
11) Tert butyl alcohol	5.18	59	87	2.533	ug/l #	60
13) Acrolein	3.90	56	33	1.021	ug/l #	15
16) Acetone	4.13	43	923	6.326	ug/l #	33
20) Methylene Chloride	4.90	84	3304	5.990	ug/l	96
29) Tetrahydrofuran	7.54	42	1416	11.903	ug/l #	86
31) Cyclohexane	7.95	56	1458	1.418	ug/l #	48
36) 1,1-Dichloropropene	7.94	75	4126	5.636	ug/l #	54
38) Carbon Tetrachloride	7.95	117	5097	8.045	ug/l #	16
49) 1,4-Dioxane	9.35	88	23	6.277	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	13277	75.234	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	13277	164.953	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.59	75	52	1.239	ug/l #	5
95) Naphthalene	15.38	128	89	4.440	ug/l #	25

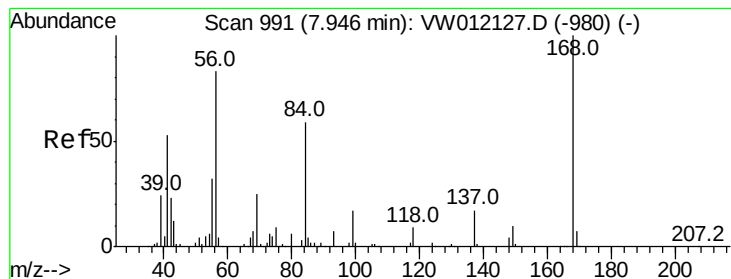
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090419\
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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: VW012626.D

Acq: 05 Sep 2019 08:17

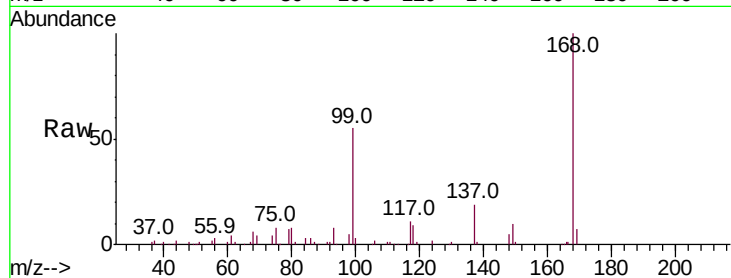
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 48018

Ion Ratio Lower Upper

168 100

99 55.2 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

25000

20000

15000

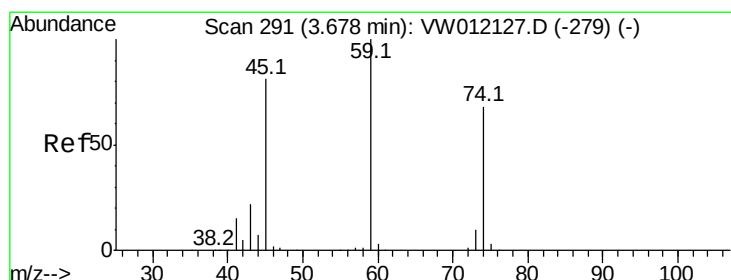
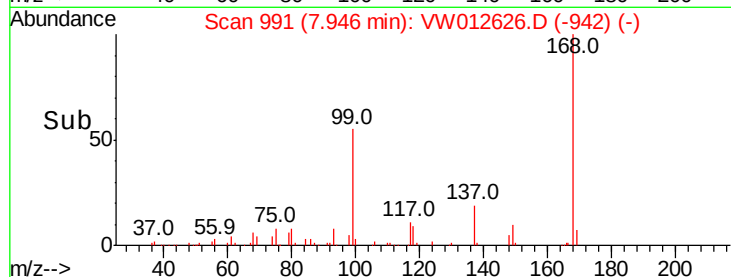
10000

5000

0

7.85 7.90 7.95 8.00

Time-->



#8

Diethyl Ether

Concen: 1.265 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012626.D

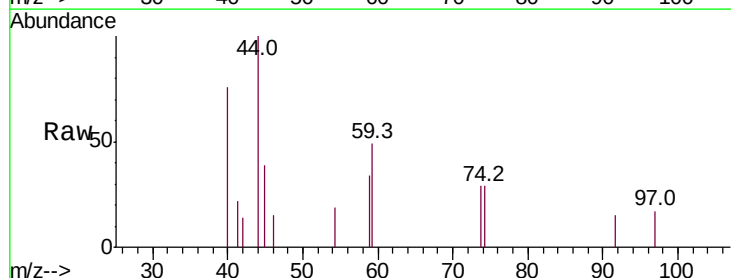
Acq: 05 Sep 2019 08:17

Tgt Ion: 74 Resp: 338

Ion Ratio Lower Upper

74 100

45 164.2 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

250

200

150

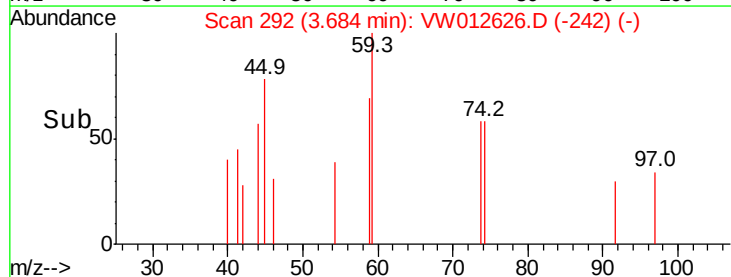
100

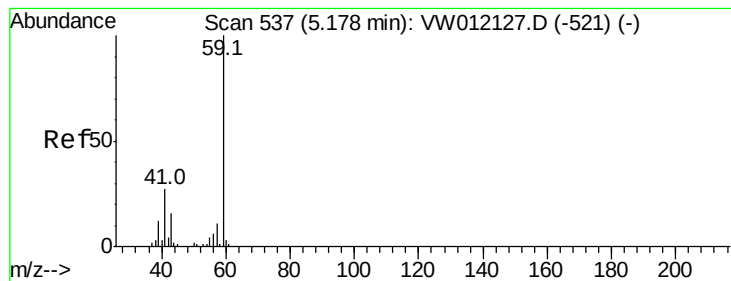
50

0

3.65 3.70

Time-->



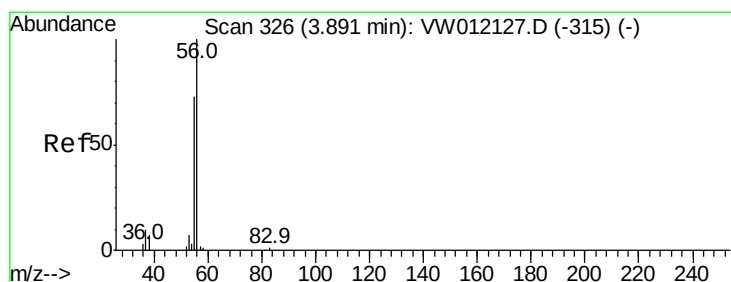
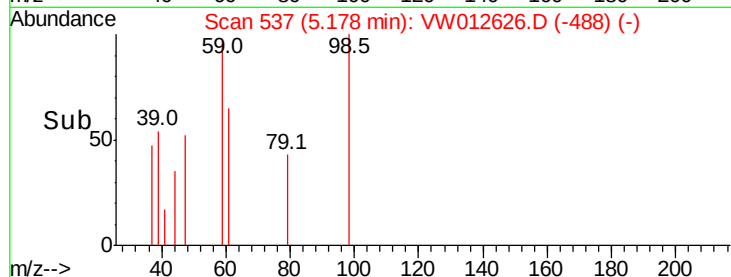
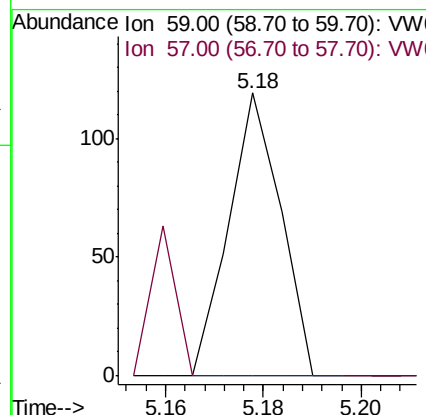
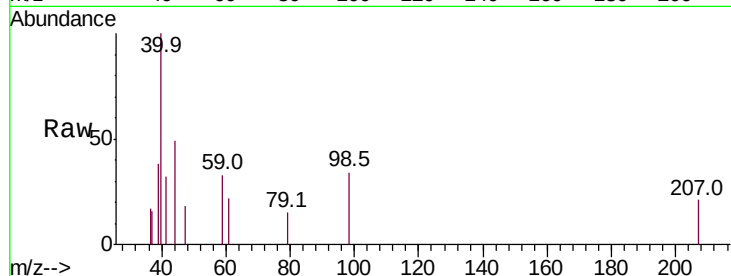


#11

Tert butyl alcohol
Concen: 2.533 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.00 min
Lab File: VW012626.D
Acq: 05 Sep 2019 08:17

Instrument :
MSVOA_W
ClientSampled :

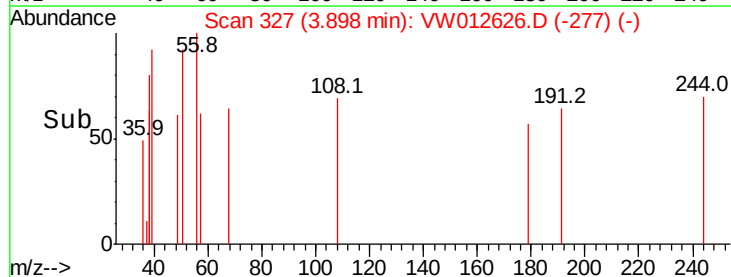
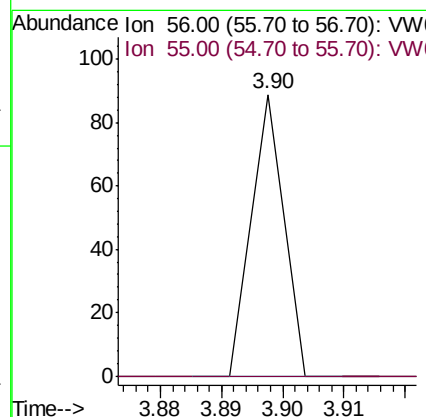
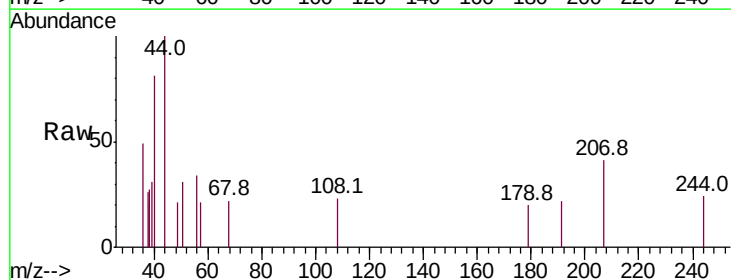
Tot Ion: 59 Resp: 87
Ion Ratio Lower Upper
59 100
57 26.4 9.0 13.4#

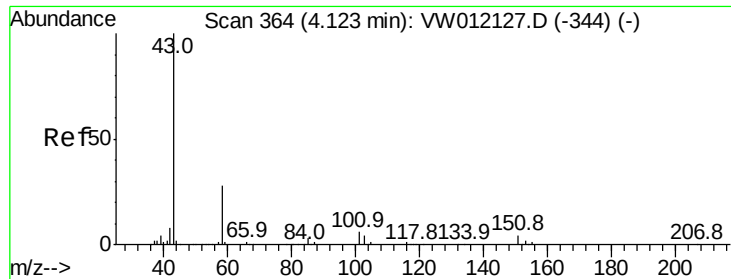


#13

Acrolein
Concen: 1.021 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW012626.D
Acq: 05 Sep 2019 08:17

Tgt Ion: 56 Resp: 33
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#

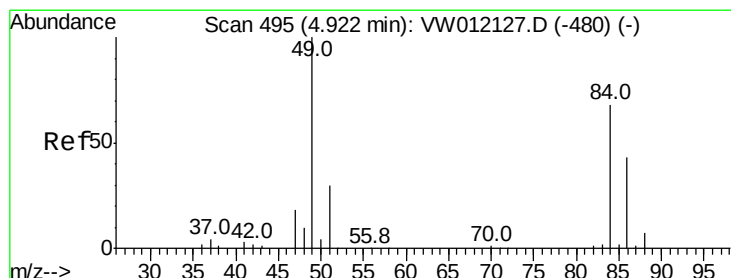
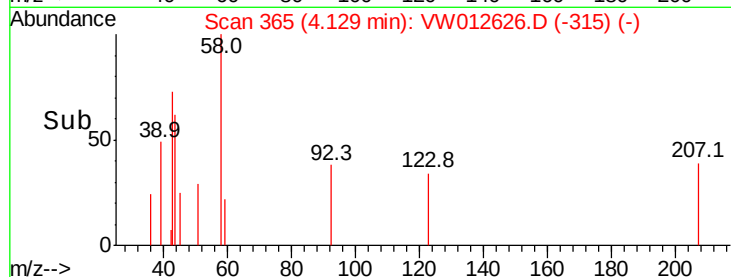
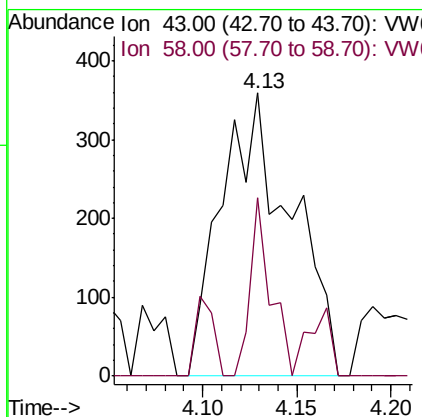
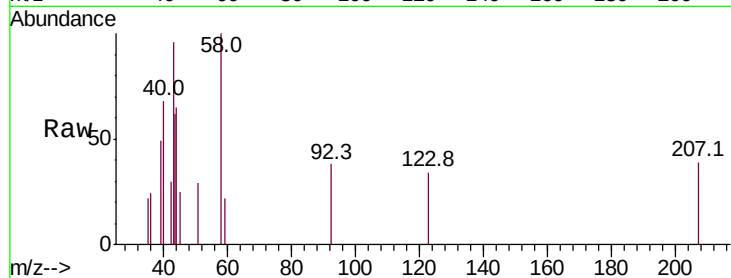




#16
Acetone
Concen: 6.326 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW012626.D
Acq: 05 Sep 2019 08:17

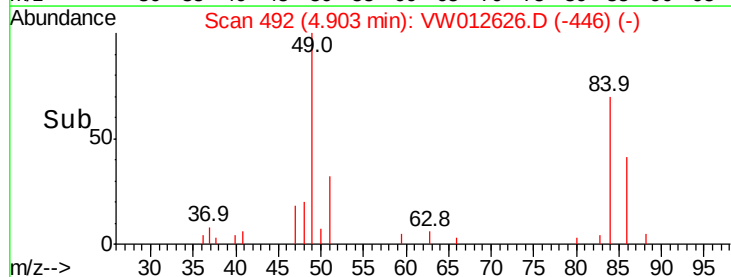
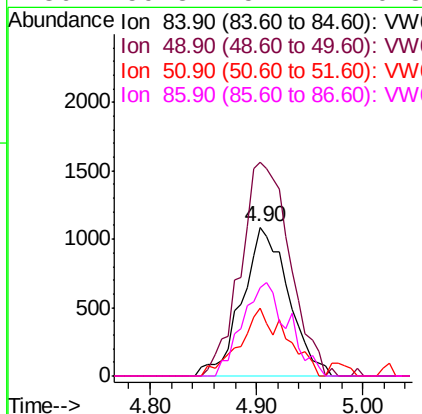
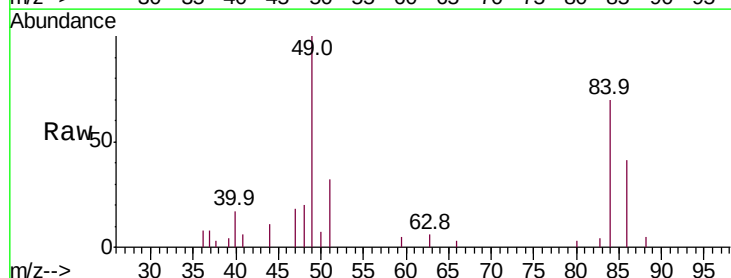
Instrument :
MSVOA_W
ClientSampleId :

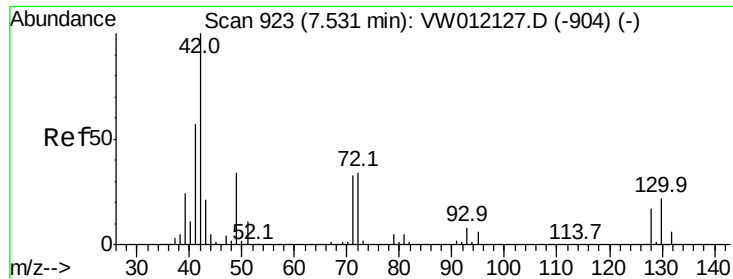
Tot Ion: 43 Resp: 923
Ion Ratio Lower Upper
43 100
58 63.2 22.4 33.6#



#20
Methylene Chloride
Concen: 5.990 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012626.D
Acq: 05 Sep 2019 08:17

Tgt Ion: 84 Resp: 3304
Ion Ratio Lower Upper
84 100
49 143.2 117.8 176.8
51 45.9 35.6 53.4
86 59.3 51.2 76.8





#29

Tetrahydrofuran

Concen: 11.903 ug/l

RT: 7.54 min Scan# 924

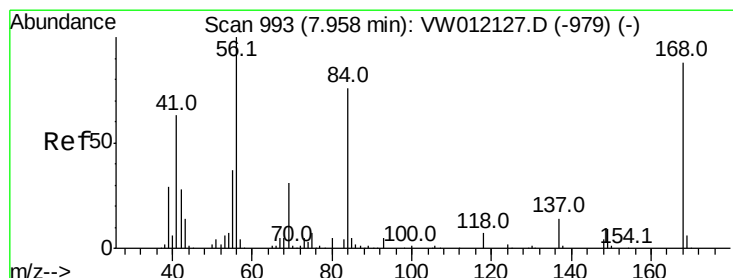
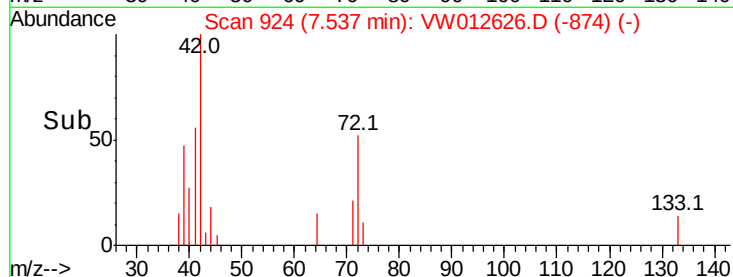
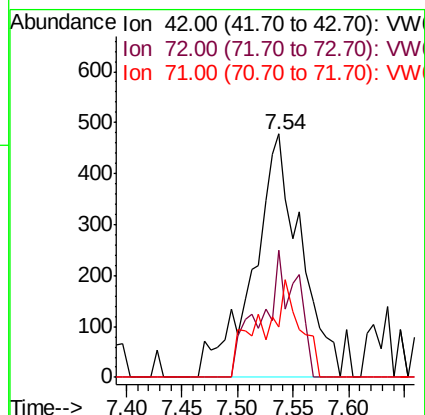
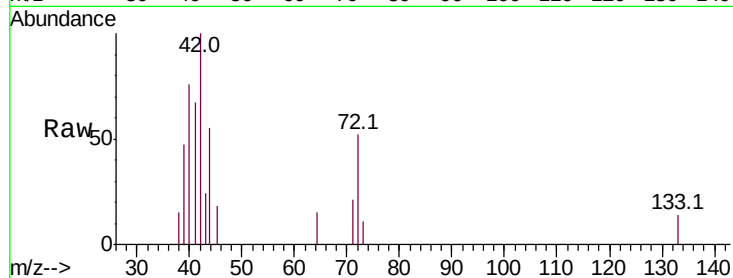
Delta R.T. 0.01 min

Lab File: VW012626.D

Acq: 05 Sep 2019 08:17

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	42	Resp:	1416
Ion	Ratio	Lower	Upper
42	100		
72	29.0	27.3	40.9
71	20.6	25.5	38.3#



#31

Cyclohexane

Concen: 1.418 ug/l

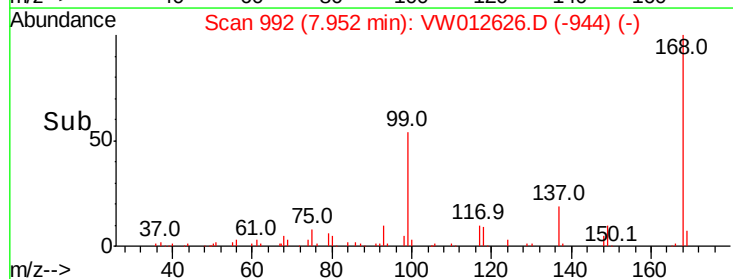
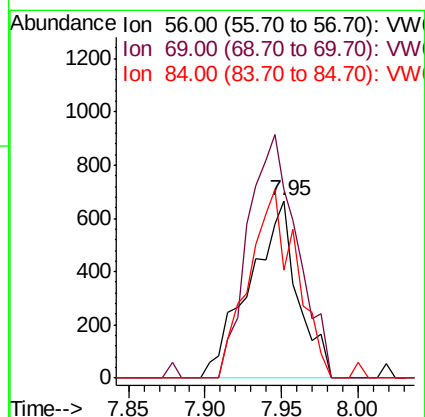
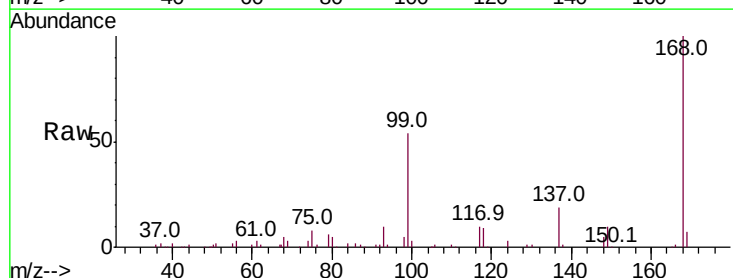
RT: 7.95 min Scan# 992

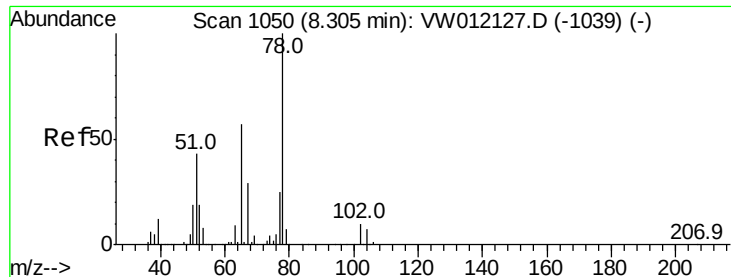
Delta R.T. -0.01 min

Lab File: VW012626.D

Acq: 05 Sep 2019 08:17

Tgt Ion:	56	Resp:	1458
Ion	Ratio	Lower	Upper
56	100		
69	106.0	24.9	37.3#
84	61.0	60.6	90.8

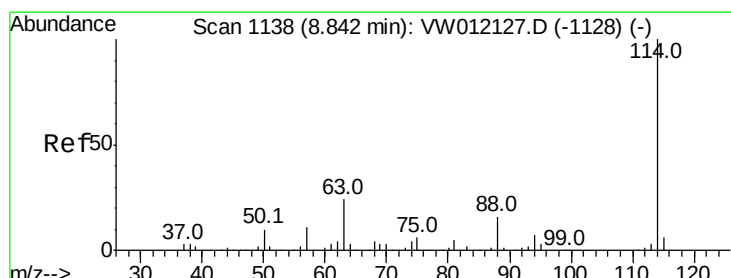
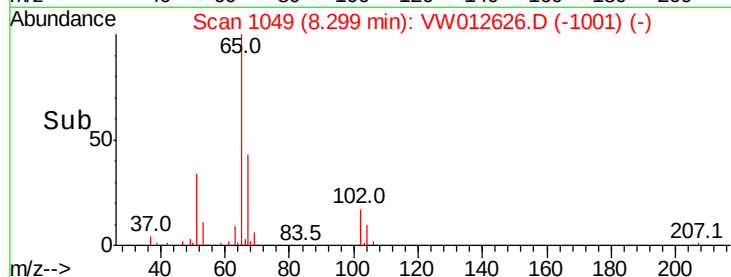
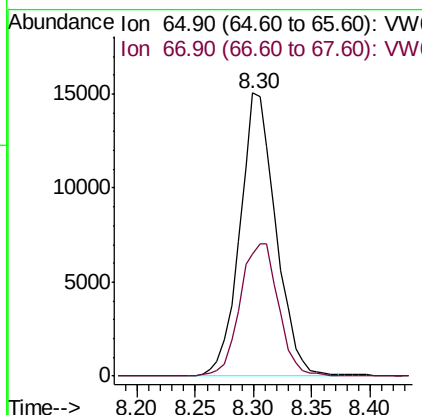
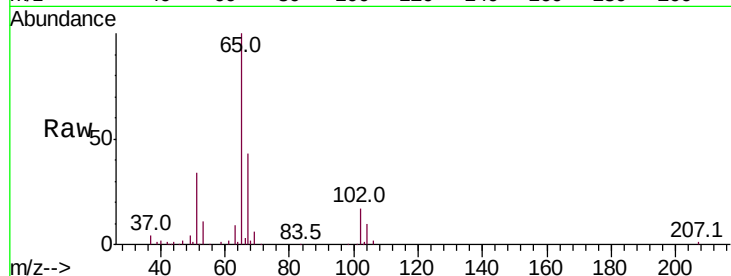




#33
 1,2-Dichloroethane-d4
 Concen: 56.675 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012626.D
 Acq: 05 Sep 2019 08:17

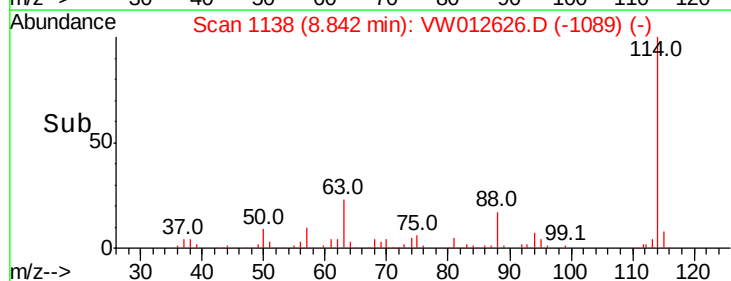
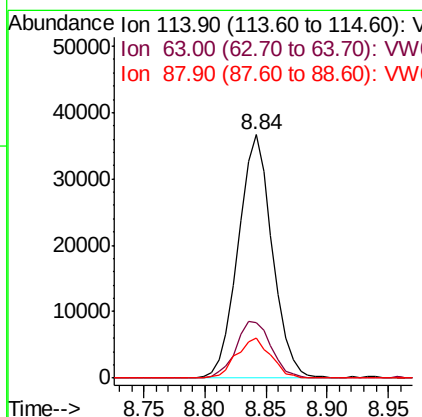
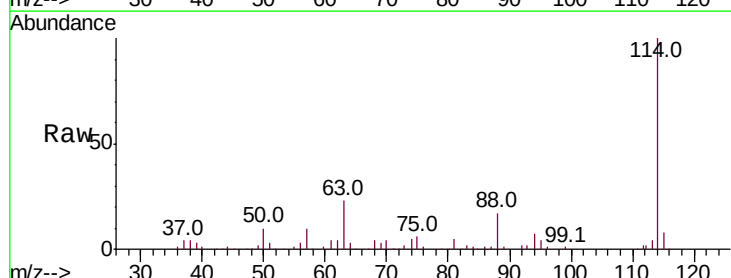
Instrument :
 MSVOA_W
 ClientSampleId :

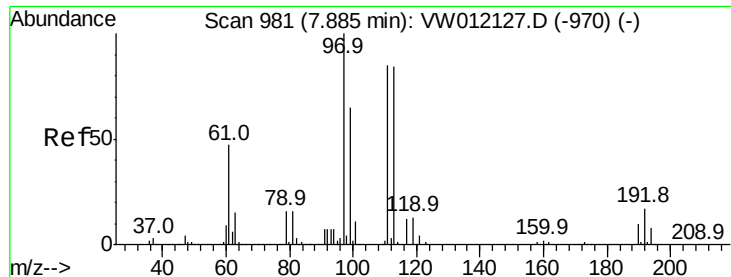
Tot Ion: 65 Resp: 32351
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012626.D
 Acq: 05 Sep 2019 08:17

Tgt Ion: 114 Resp: 70838
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 48.6
 88 16.5 0.0 32.2





#35

Dibromofluoromethane

Concen: 55.400 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW012626.D

Acq: 05 Sep 2019 08:17

Instrument :

MSVOA_W

ClientSampled :

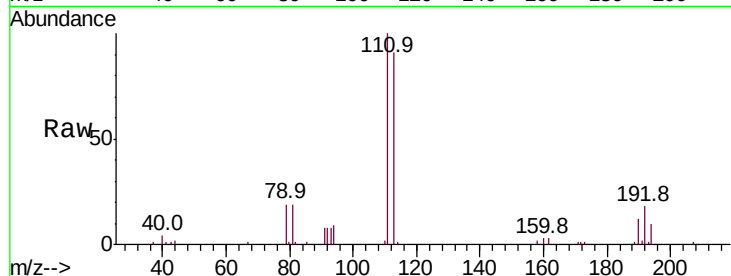
Tot Ion:113 Resp: 23425

Ion Ratio Lower Upper

113 100

111 103.4 82.7 124.1

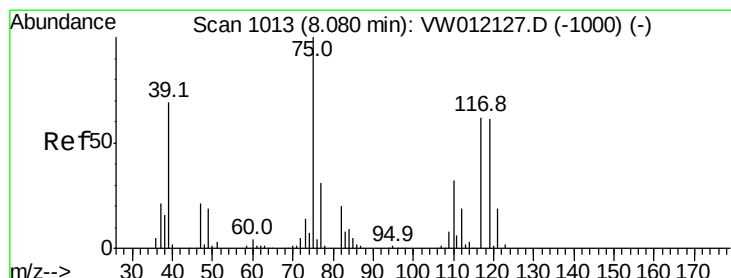
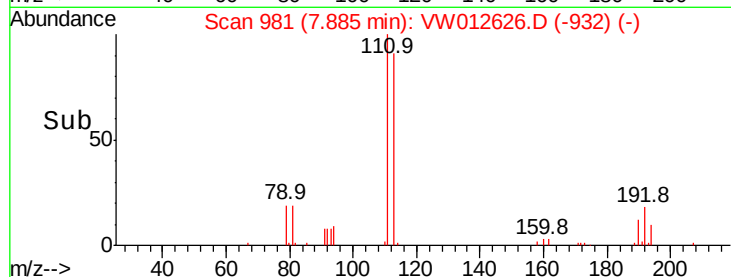
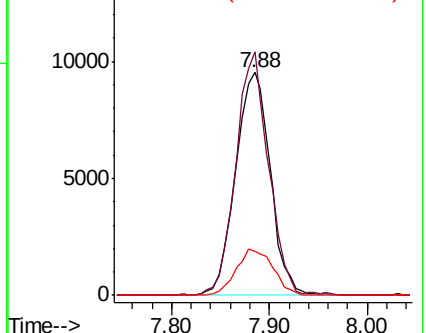
192 22.1 16.2 24.2



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: 5.636 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012626.D

Acq: 05 Sep 2019 08:17

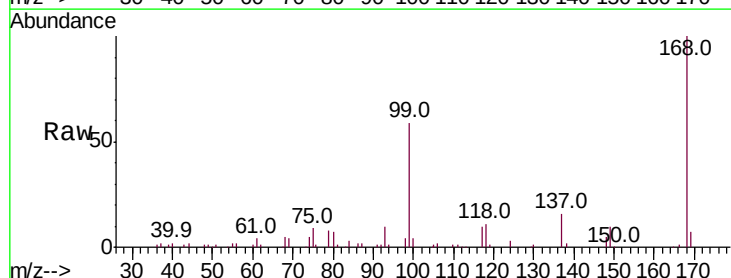
Tgt Ion: 75 Resp: 4126

Ion Ratio Lower Upper

75 100

110 10.7 15.6 46.8#

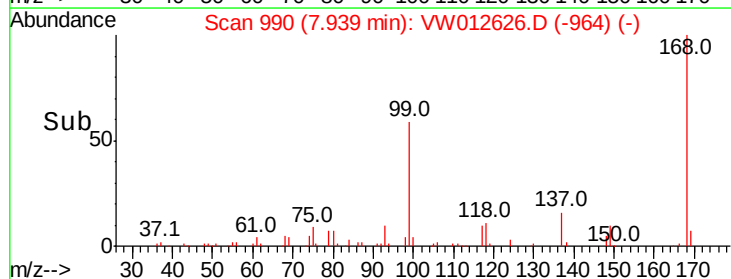
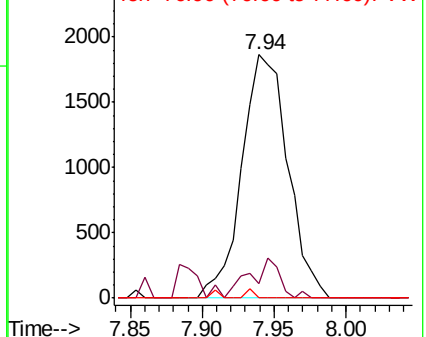
77 0.6 24.6 36.8#

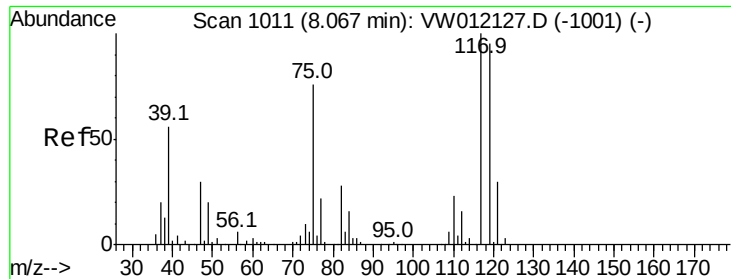


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 8.045 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012626.D

Acq: 05 Sep 2019 08:17

Instrument :
MSVOA_W
ClientSampled :

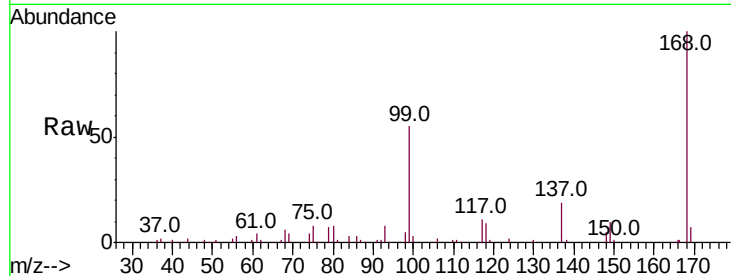
Tot Ion:117 Resp: 5097

Ion Ratio Lower Upper

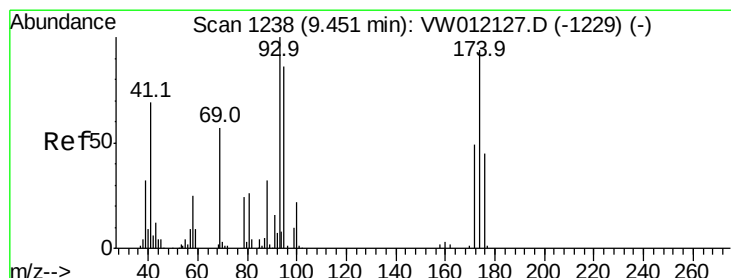
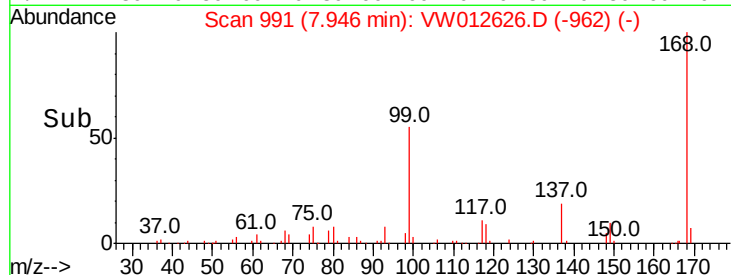
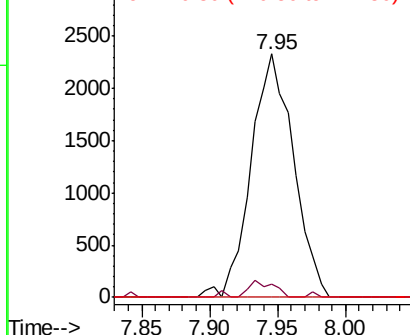
117 100

119 5.2 76.2 114.2#

121 0.0 23.8 35.8#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 6.277 ug/l

RT: 9.35 min Scan# 1221

Delta R.T. -0.10 min

Lab File: VW012626.D

Acq: 05 Sep 2019 08:17

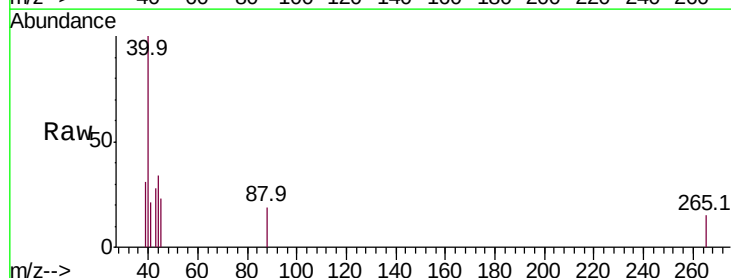
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

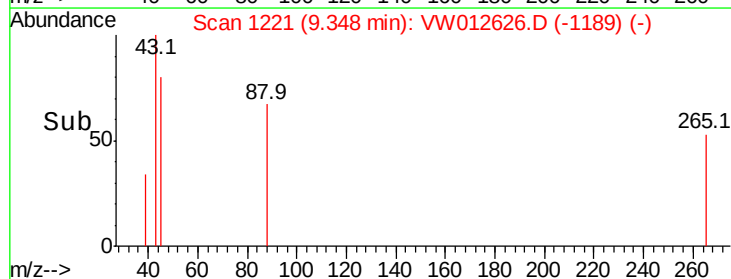
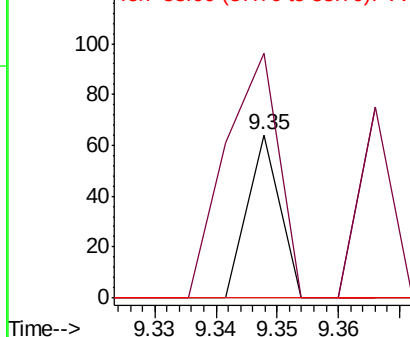
88 100

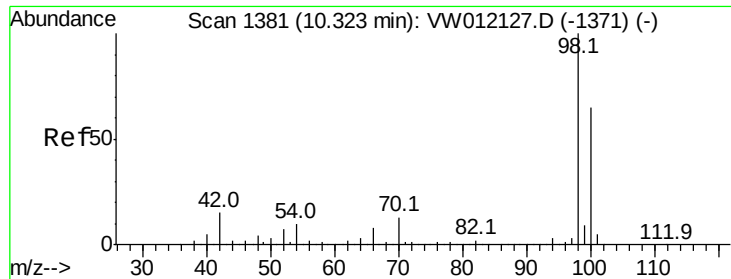
43 247.8 32.9 49.3#

58 0.0 71.0 106.4#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

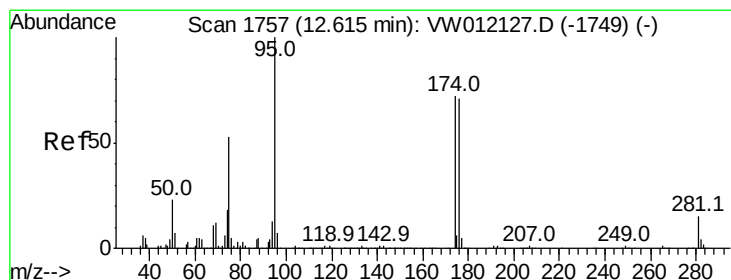
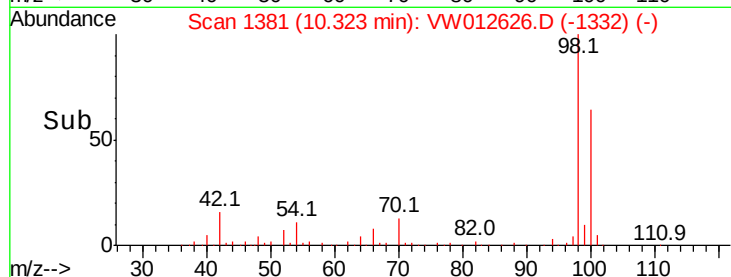
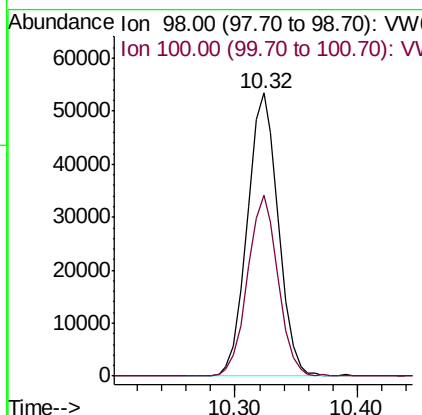
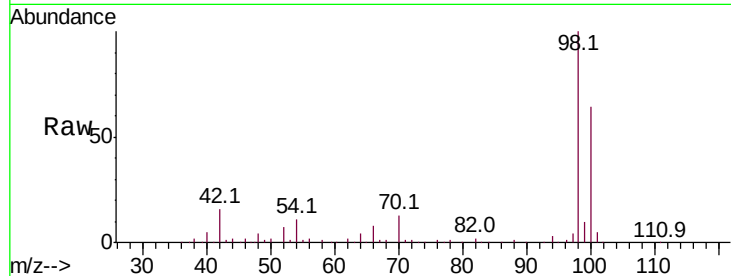




#50
Toluene-d8
Concen: 54.800 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012626.D
Acq: 05 Sep 2019 08:17

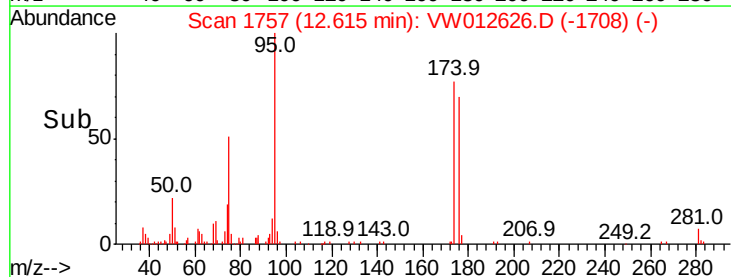
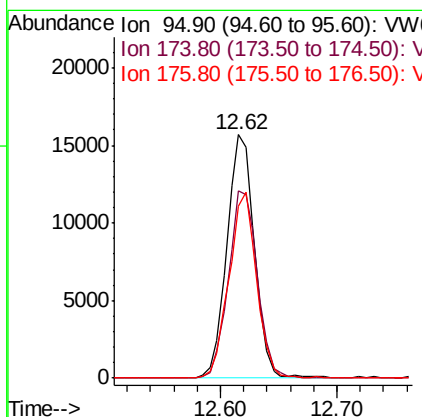
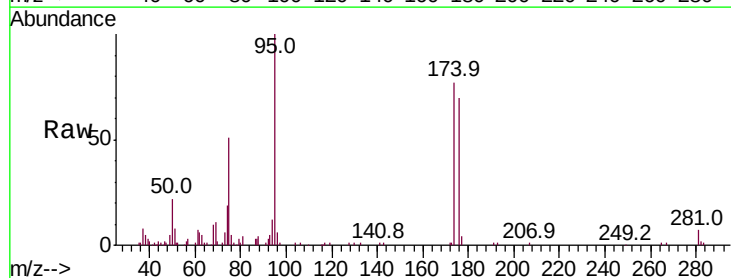
Instrument :
MSVOA_W
ClientSampled :

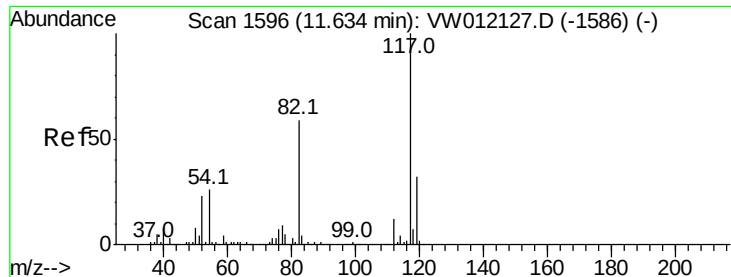
Tot Ion: 98 Resp: 93953
Ion Ratio Lower Upper
98 100
100 63.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 42.596 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012626.D
Acq: 05 Sep 2019 08:17

Tgt Ion: 95 Resp: 25743
Ion Ratio Lower Upper
95 100
174 80.8 0.0 150.8
176 76.3 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: VW012626.D

Acq: 05 Sep 2019 08:17

Instrument :

MSVOA_W

ClientSampled :

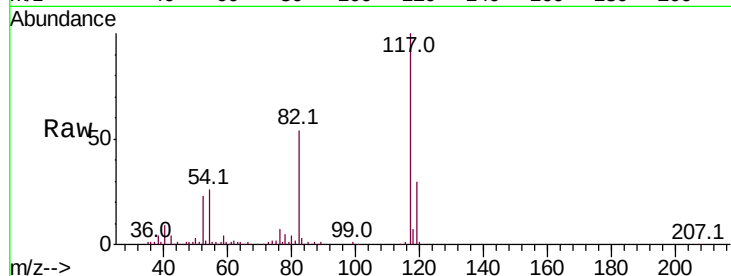
Tot Ion:117 Resp: 63589

Ion Ratio Lower Upper

117 100

82 54.0 47.4 71.2

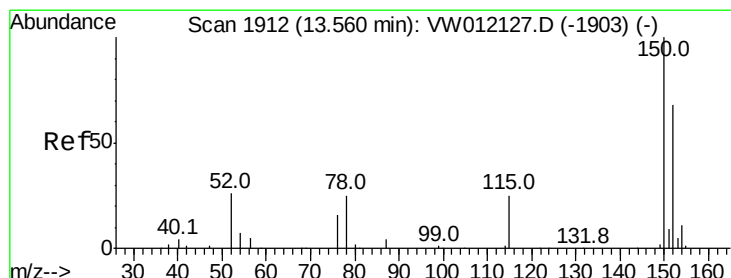
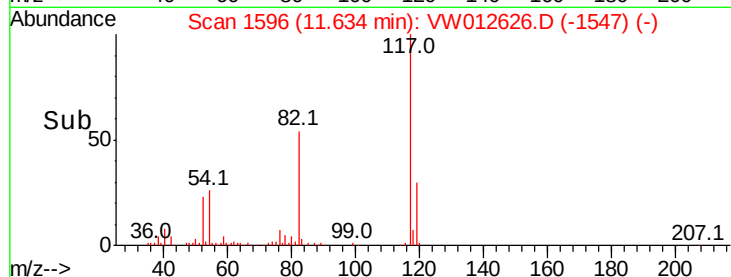
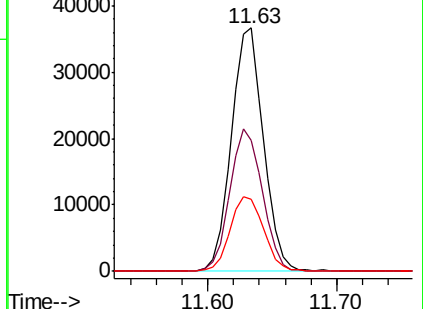
119 29.8 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW012626.D

Acq: 05 Sep 2019 08:17

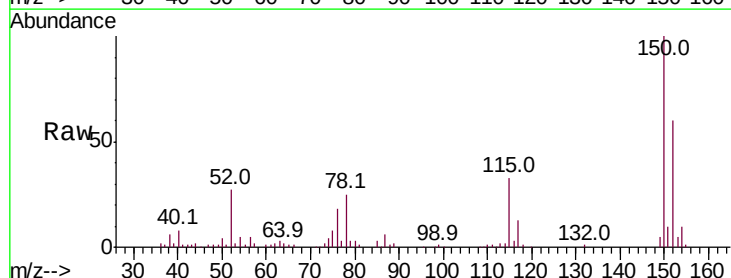
Tgt Ion:152 Resp: 18120

Ion Ratio Lower Upper

152 100

115 61.8 30.1 90.3

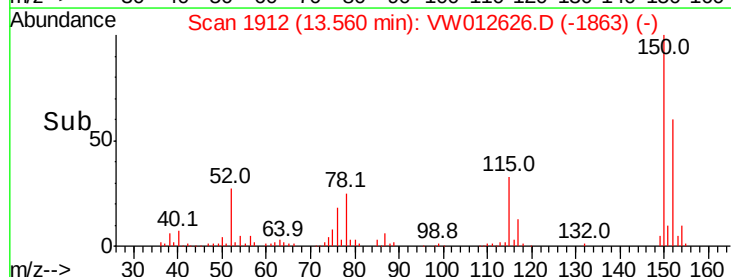
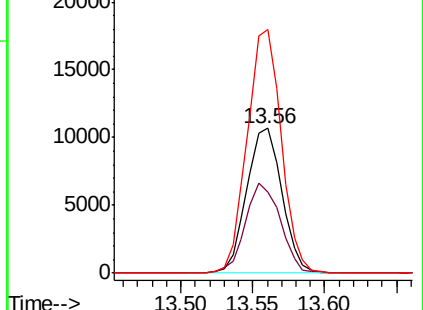
150 162.5 0.0 345.8

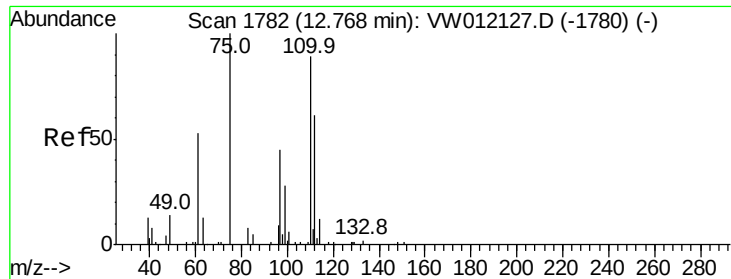


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 75.234 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012626.D

Acq: 05 Sep 2019 08:17

Instrument :

MSVOA_W

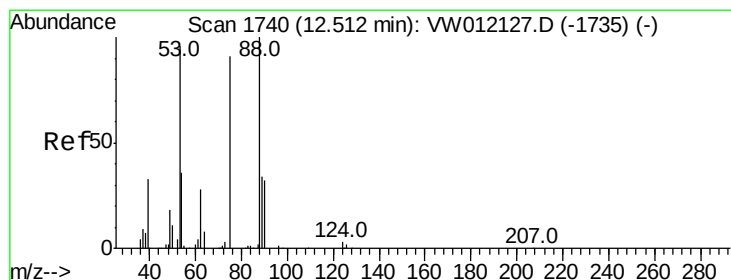
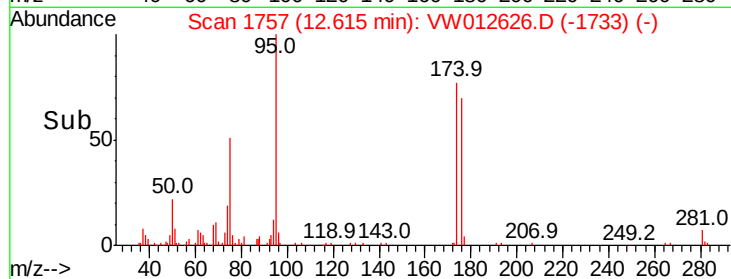
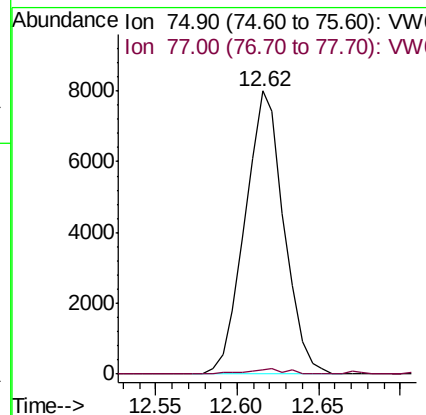
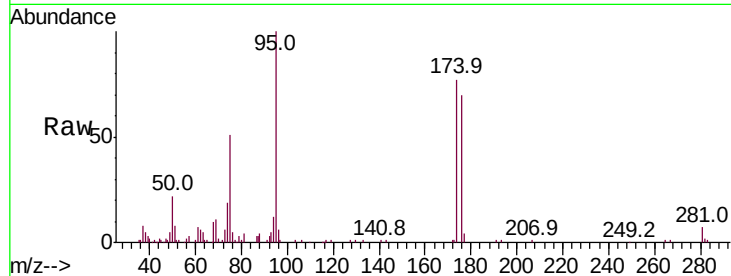
ClientSampleId :

Tot Ion: 75 Resp: 13277

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 164.953 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012626.D

Acq: 05 Sep 2019 08:17

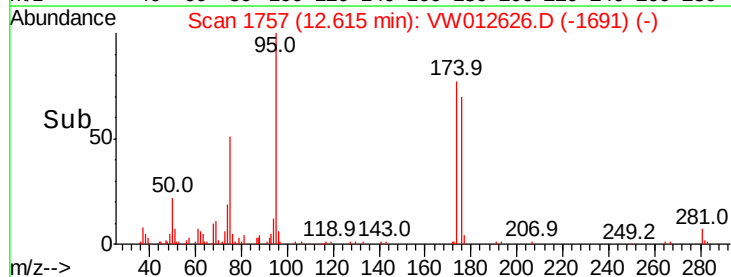
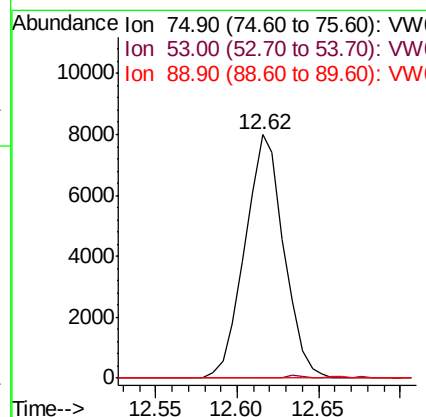
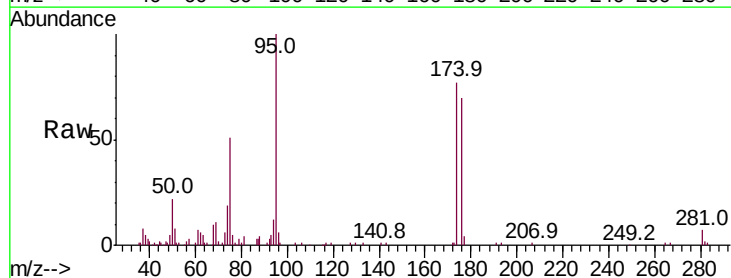
Tgt Ion: 75 Resp: 13277

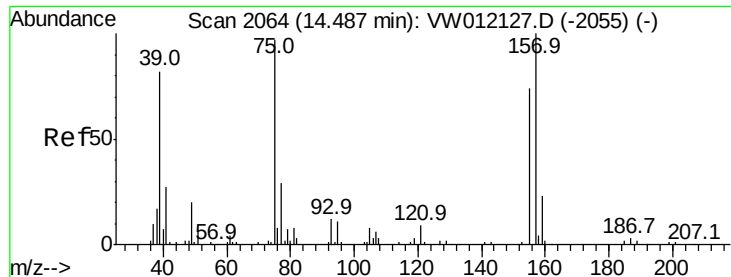
Ion Ratio Lower Upper

75 100

53 0.4 89.4 134.0#

89 0.0 34.5 51.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.239 ug/l

RT: 14.59 min Scan# 2081

Delta R.T. 0.10 min

Lab File: VW012626.D

Acq: 05 Sep 2019 08:17

Instrument :

MSVOA_W

ClientSampled :

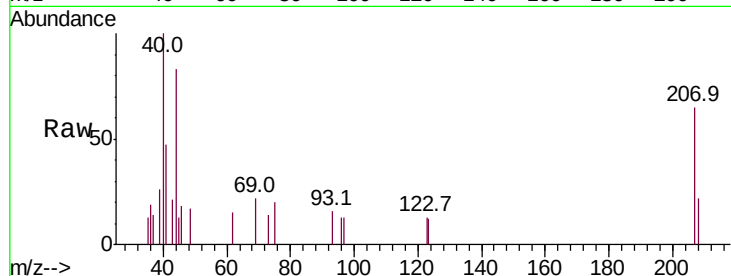
Tot Ion: 75 Resp: 52

Ion Ratio Lower Upper

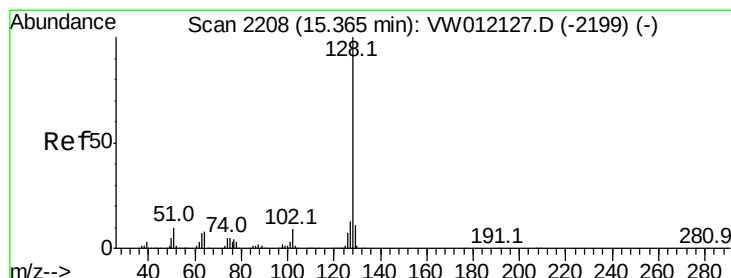
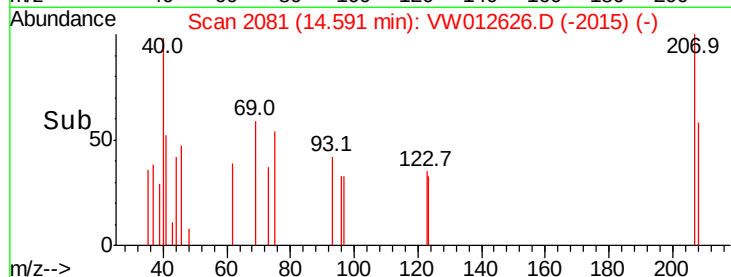
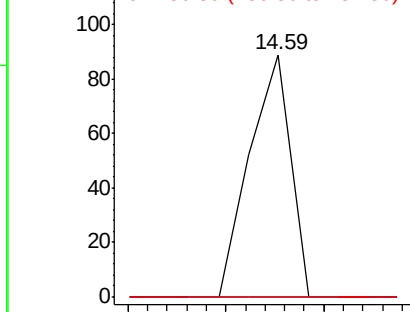
75 100

155 0.0 37.5 112.3#

157 0.0 50.5 151.5#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 4.440 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW012626.D

Acq: 05 Sep 2019 08:17

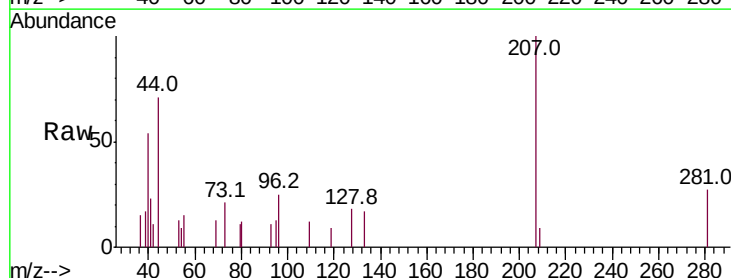
Tgt Ion: 128 Resp: 89

Ion Ratio Lower Upper

128 100

127 58.4 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

