

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
 Data File : VW012492.D
 Acq On : 02 Sep 2019 12:18
 Operator : SY/VA
 Sample : K4527-15RE
 Misc : 5.54G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-O-(0)RE

Quant Time: Sep 03 07:37:31 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	151627	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	251046	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	150223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	33793	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	108192	60.02	ug/l	0.00
Spiked Amount			Recovery	=	120.04%	
35) Dibromofluoromethane	7.88	113	82672	55.17	ug/l	0.00
Spiked Amount			Recovery	=	110.34%	
50) Toluene-d8	10.32	98	262012	43.12	ug/l	0.00
Spiked Amount			Recovery	=	86.24%	
62) 4-Bromofluorobenzene	12.62	95	55964	26.13	ug/l	0.00
Spiked Amount			Recovery	=	52.26%	

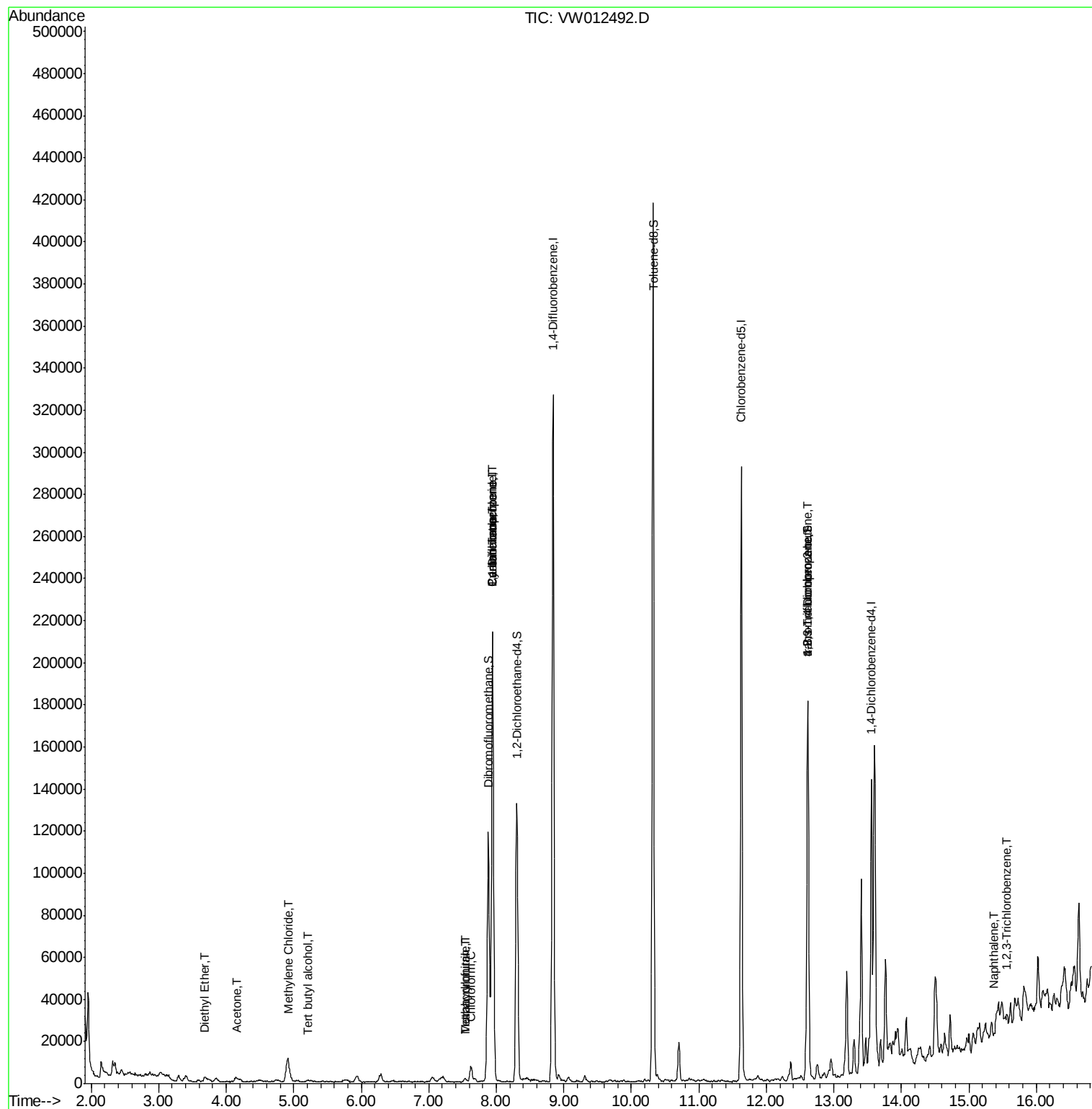
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	917	1.087	ug/l	75
11) Tert butyl alcohol	5.21	59	1421	13.100	ug/l #	74
16) Acetone	4.16	43	4940	10.722	ug/l	96
20) Methylene Chloride	4.92	84	7956	4.568	ug/l	85
29) Tetrahydrofuran	7.54	42	1381	3.676	ug/l #	86
30) Chloroform	7.63	83	4303	1.433	ug/l #	19
31) Cyclohexane	7.94	56	4100	1.263	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	13291	5.123	ug/l #	52
38) Carbon Tetrachloride	7.95	117	15696	6.990	ug/l #	16
41) Methacrylonitrile	7.55	41	1065	1.275	ug/l #	52
76) 1,2,3-Trichloropropane	12.62	75	30266	91.960	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	30266	201.627	ug/l #	6
95) Naphthalene	15.36	128	1102	5.111	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.56	180	821	1.449	ug/l	73

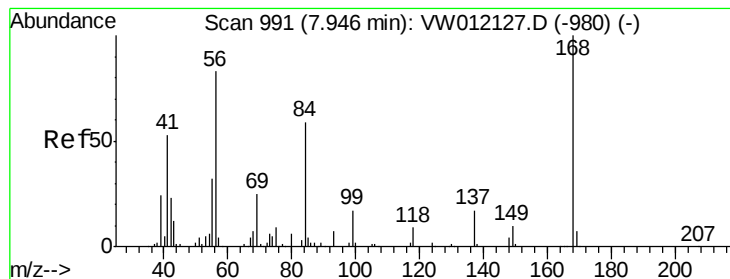
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW090219\
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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: VW012492.D

Acq: 02 Sep 2019 12:18

Instrument :

MSVOA_W

ClientSampleId :

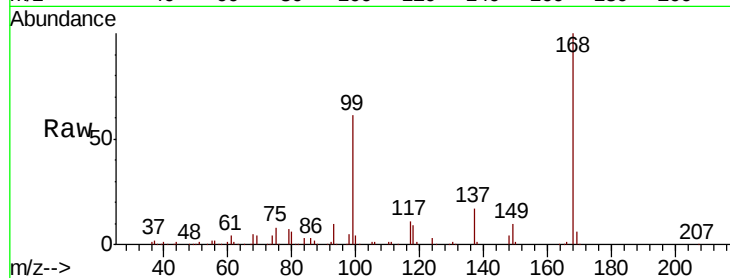
T9-12-13-O-(0)RE

Tgt Ion:168 Resp: 151627

Ion Ratio Lower Upper

168 100

99 60.9 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

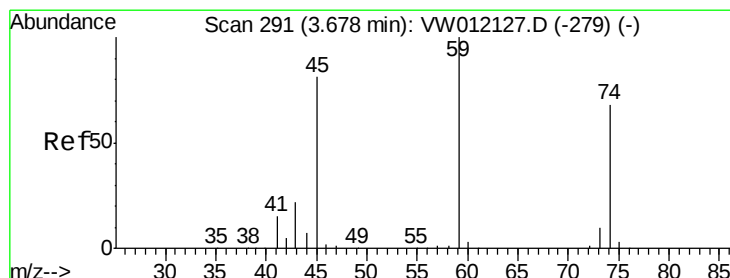
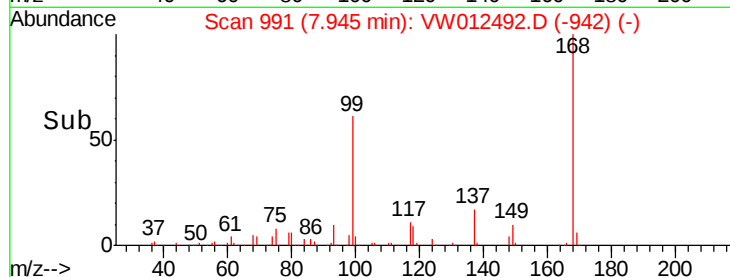
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#8

Diethyl Ether

Concen: 1.087 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012492.D

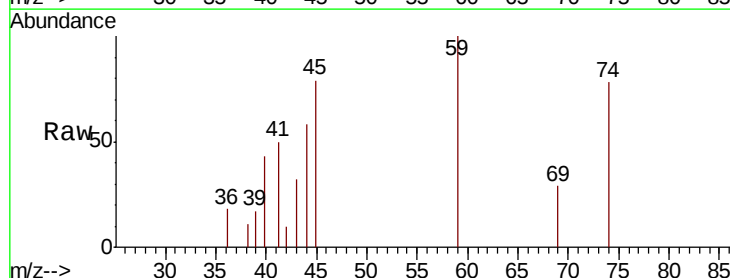
Acq: 02 Sep 2019 12:18

Tgt Ion: 74 Resp: 917

Ion Ratio Lower Upper

74 100

45 145.7 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

500

400

300

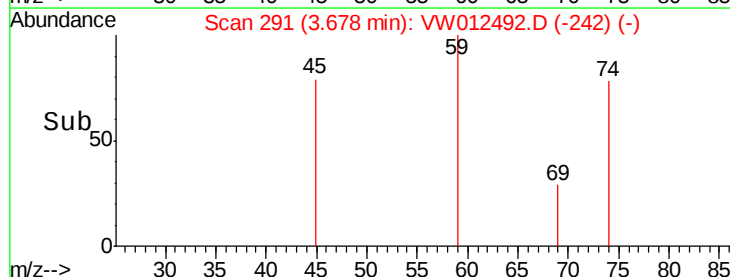
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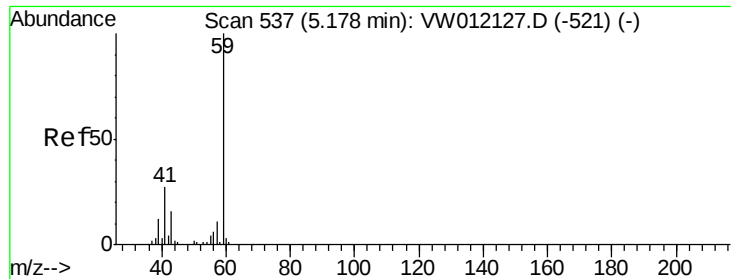
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0

3.60 3.65 3.70 3.75

Time-->

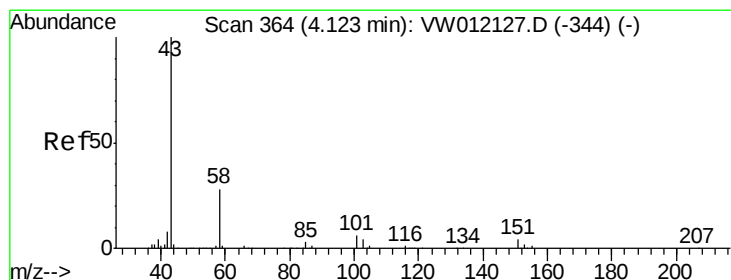
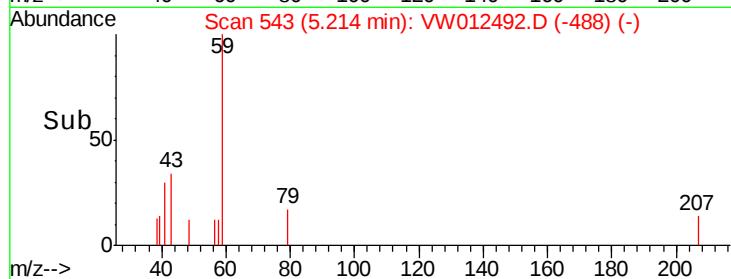
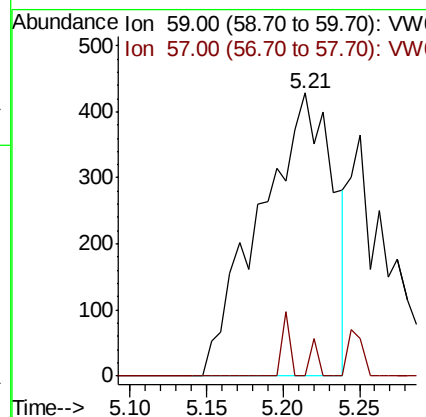
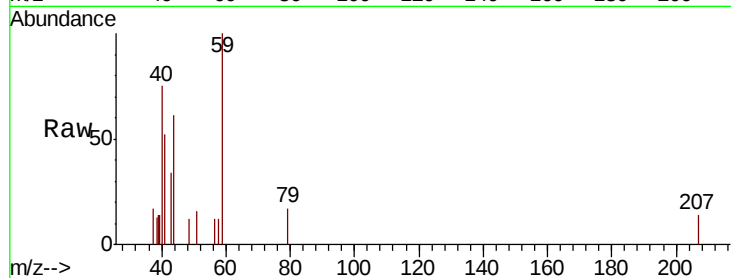




#11
Tert butyl alcohol
Concen: 13.100 ug/l
RT: 5.21 min Scan# 543
Delta R.T. 0.04 min
Lab File: VW012492.D
Acq: 02 Sep 2019 12:18

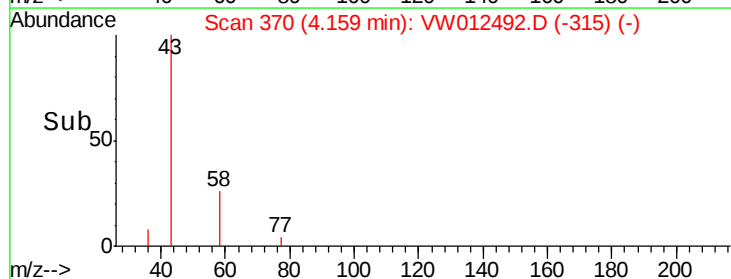
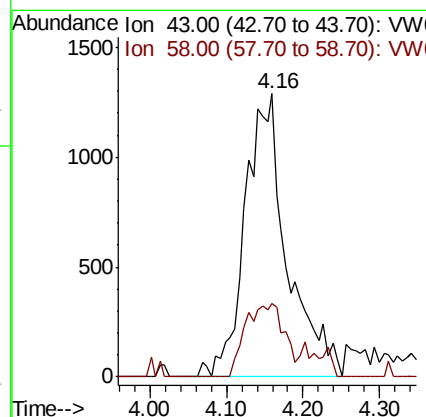
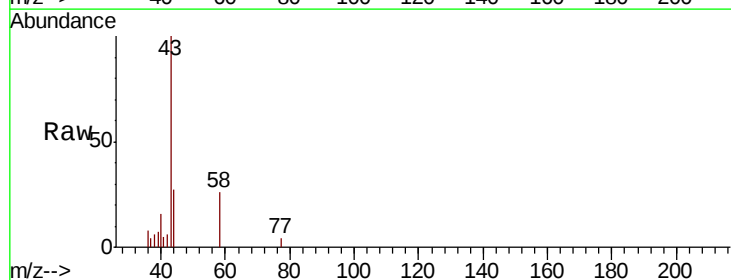
Instrument :
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ClientSampleId :
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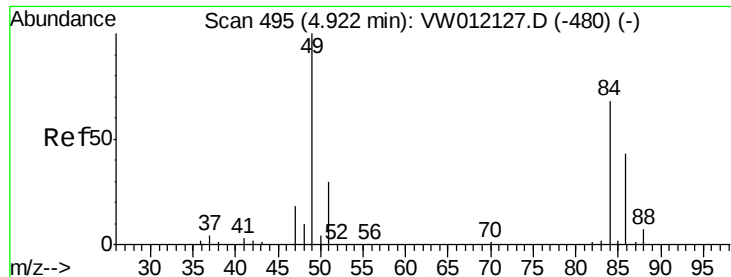
Tgt Ion: 59 Resp: 1421
Ion Ratio Lower Upper
59 100
57 1.5 9.0 13.4#



#16
Acetone
Concen: 10.722 ug/l
RT: 4.16 min Scan# 370
Delta R.T. 0.04 min
Lab File: VW012492.D
Acq: 02 Sep 2019 12:18

Tgt Ion: 43 Resp: 4940
Ion Ratio Lower Upper
43 100
58 26.1 22.4 33.6

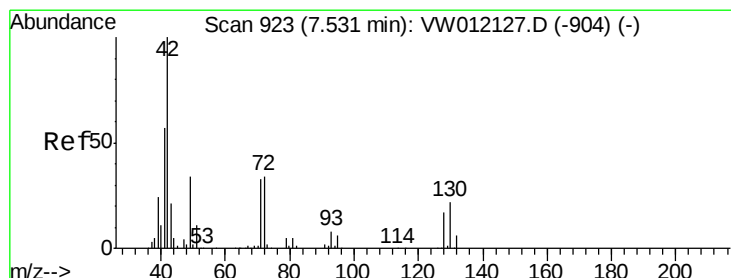
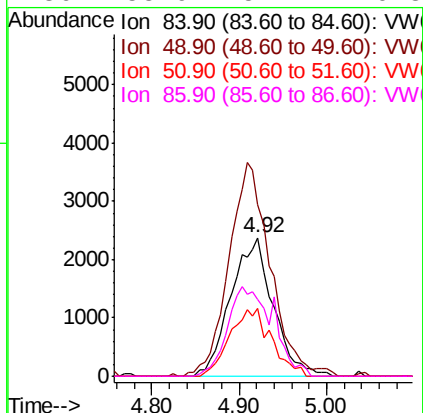
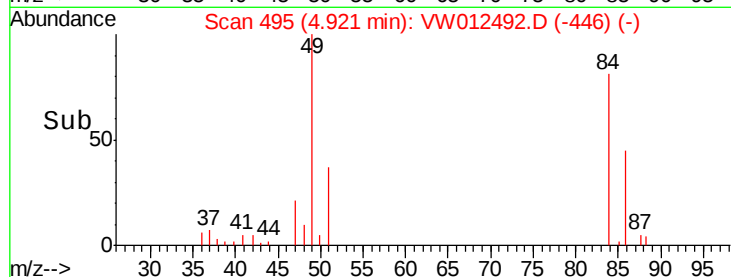
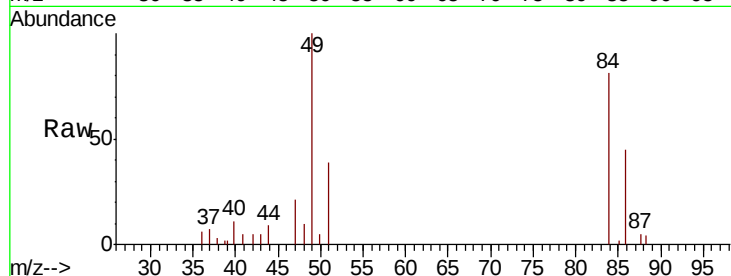




#20
Methylene Chloride
Concen: 4.568 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW012492.D
Acq: 02 Sep 2019 12:18

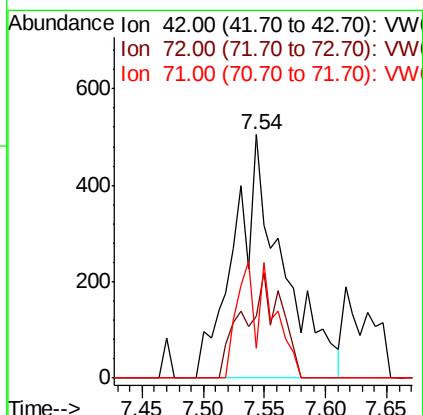
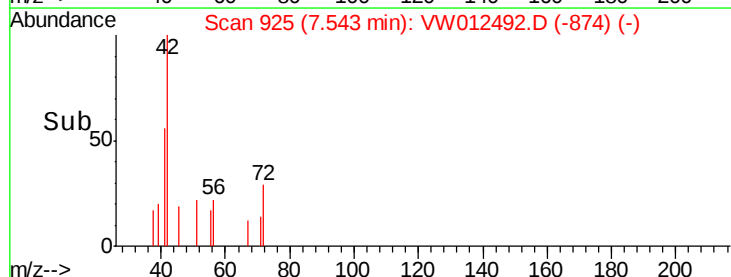
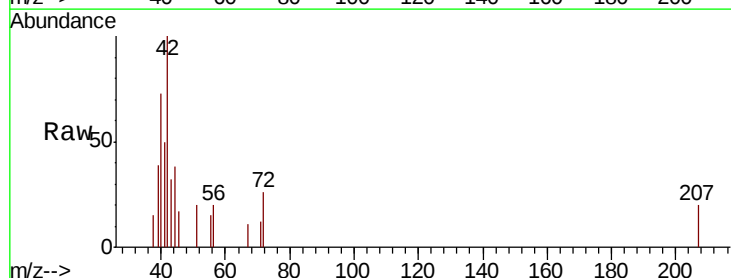
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-O-(0)RE

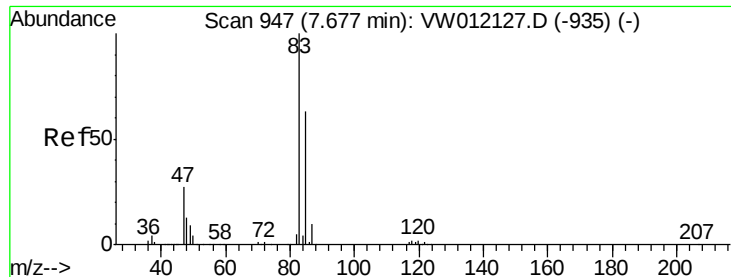
Tgt Ion:	84	Resp:	7956
Ion	Ratio	Lower	Upper
84	100		
49	123.8	117.8	176.8
51	48.8	35.6	53.4
86	55.9	51.2	76.8



#29
Tetrahydrofuran
Concen: 3.676 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012492.D
Acq: 02 Sep 2019 12:18

Tgt Ion:	42	Resp:	1381
Ion	Ratio	Lower	Upper
42	100		
72	33.5	27.3	40.9
71	16.3	25.5	38.3#

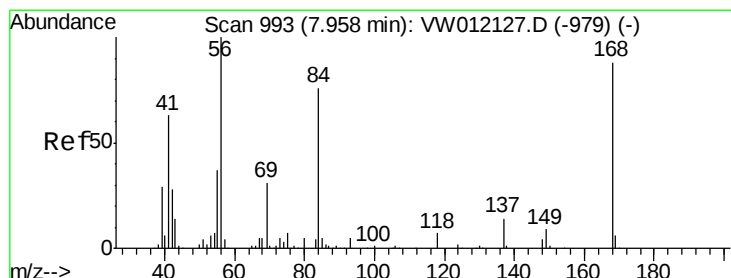
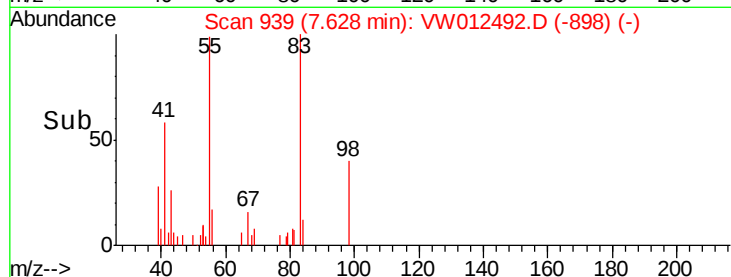
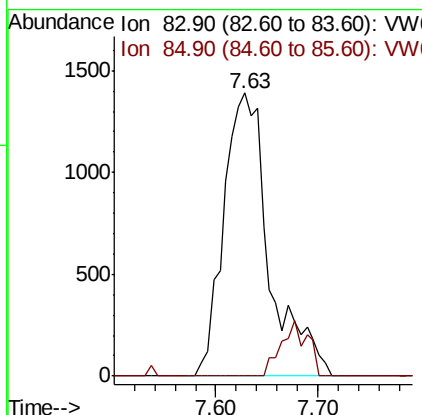
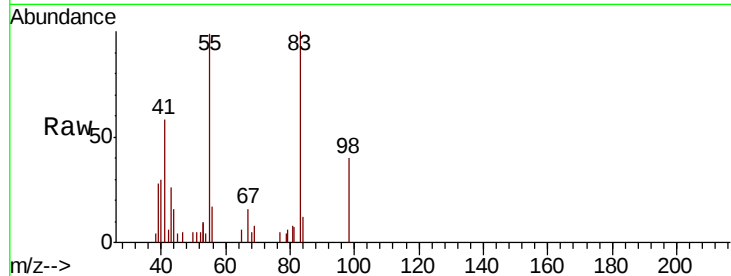




#30
Chloroform
Concen: 1.433 ug/l
RT: 7.63 min Scan# 939
Delta R.T. -0.05 min
Lab File: VW012492.D
Acq: 02 Sep 2019 12:18

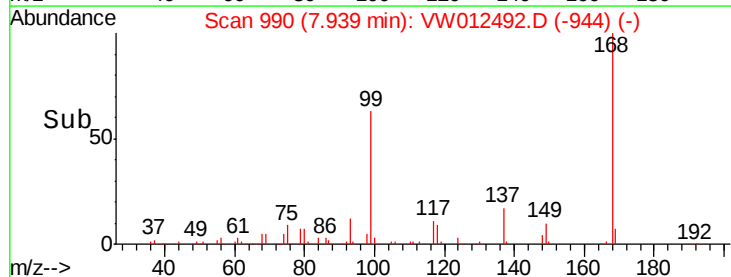
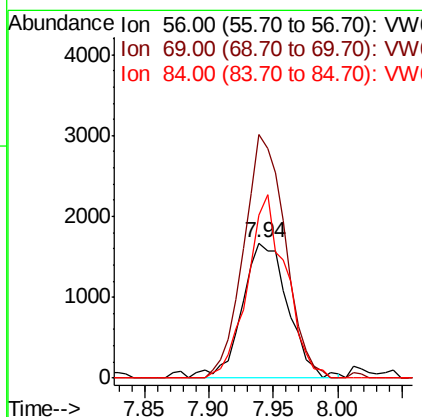
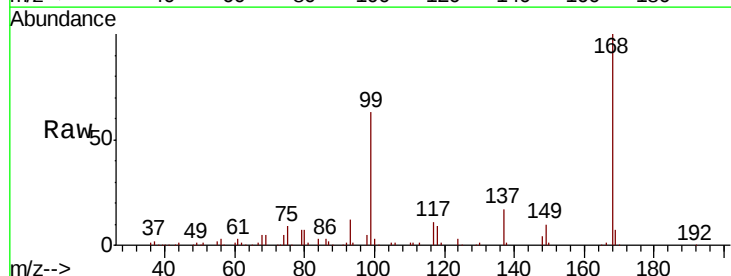
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-O-(0)RE

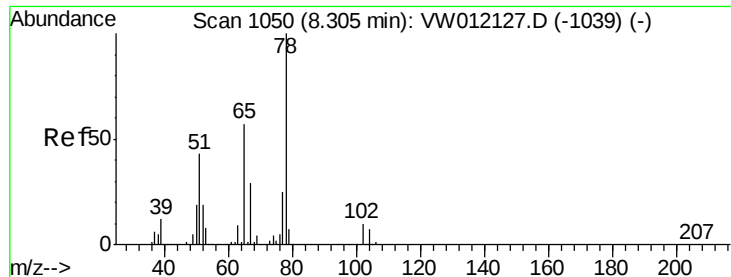
Tgt Ion: 83 Resp: 4303
Ion Ratio Lower Upper
83 100
85 0.0 50.6 76.0#



#31
Cyclohexane
Concen: 1.263 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW012492.D
Acq: 02 Sep 2019 12:18

Tgt Ion: 56 Resp: 4100
Ion Ratio Lower Upper
56 100
69 179.8 24.9 37.3#
84 120.3 60.6 90.8#

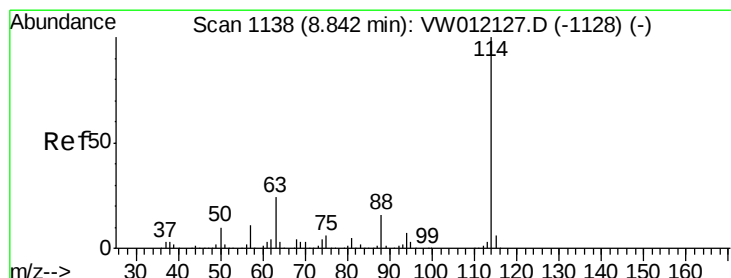
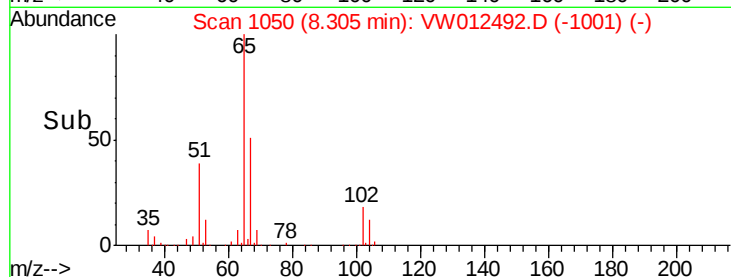
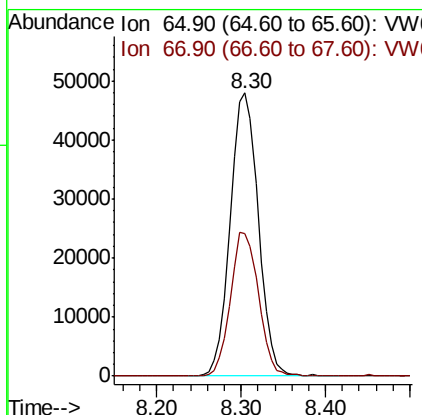
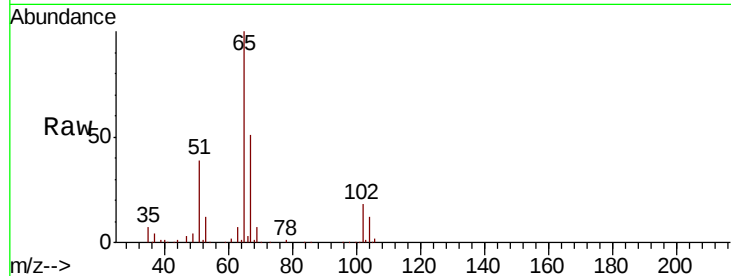




#33
 1,2-Dichloroethane-d4
 Concen: 60.024 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012492.D
 Acq: 02 Sep 2019 12:18

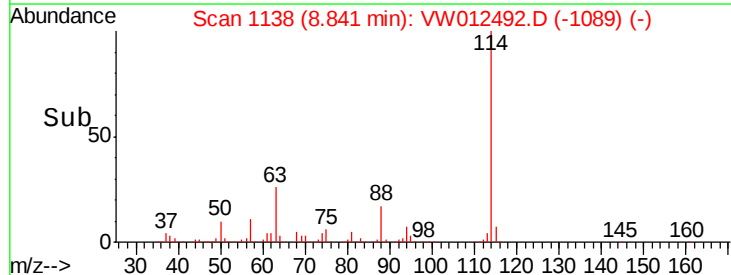
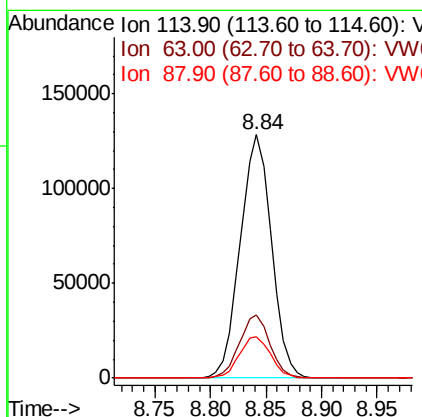
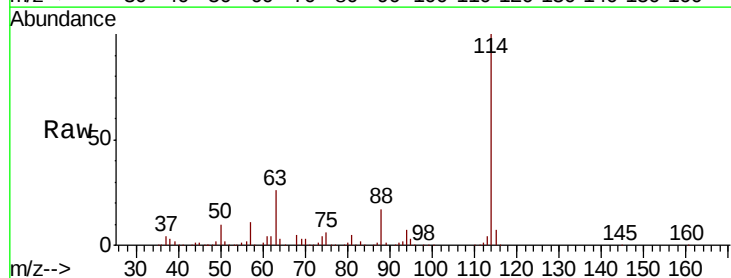
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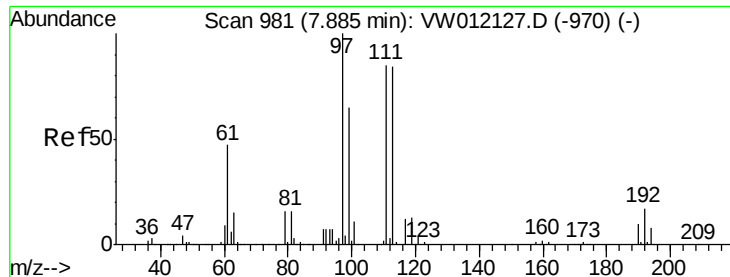
Tgt Ion: 65 Resp: 108192
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012492.D
 Acq: 02 Sep 2019 12:18

Tgt Ion: 114 Resp: 251046
 Ion Ratio Lower Upper
 114 100
 63 25.9 0.0 48.6
 88 16.8 0.0 32.2

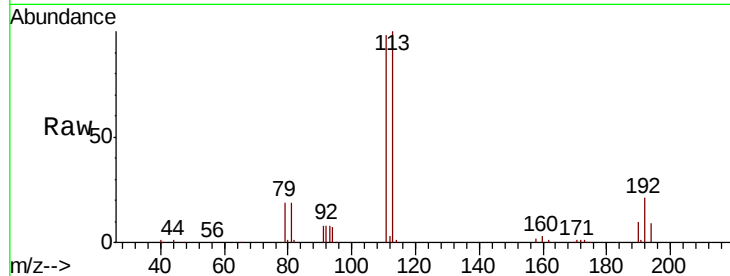




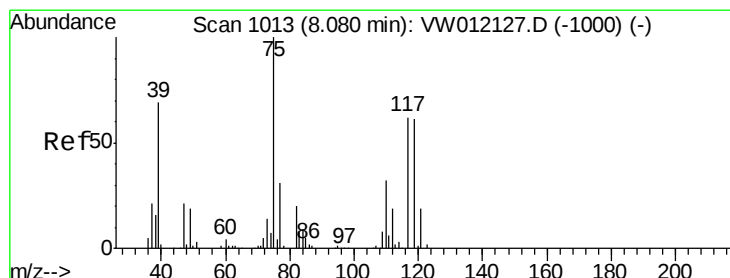
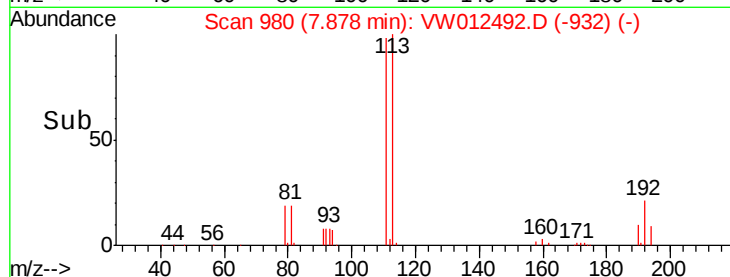
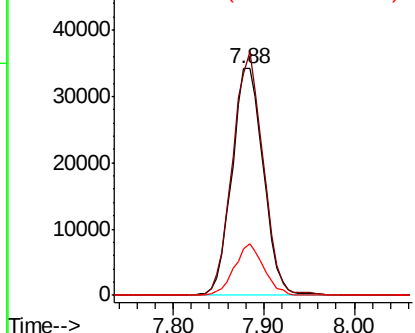
#35
 Dibromofluoromethane
 Concen: 55.170 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012492.D
 Acq: 02 Sep 2019 12:18

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-O-(0)RE

Tgt Ion:113 Resp: 82672
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.7 124.1
 192 21.0 16.2 24.2

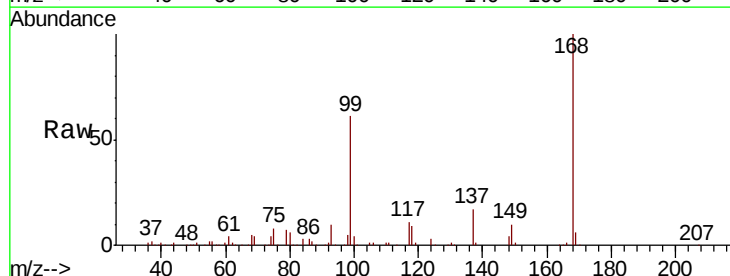


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

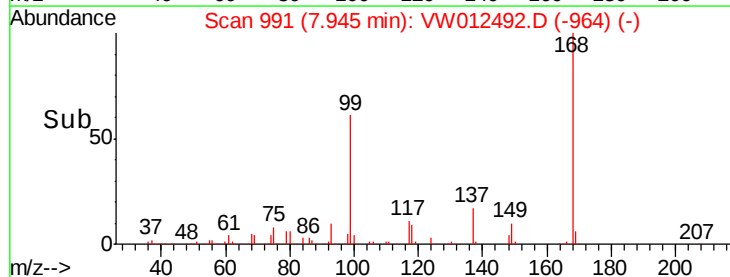
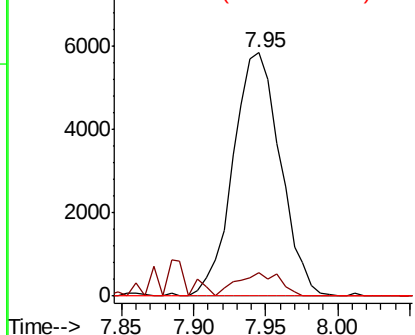


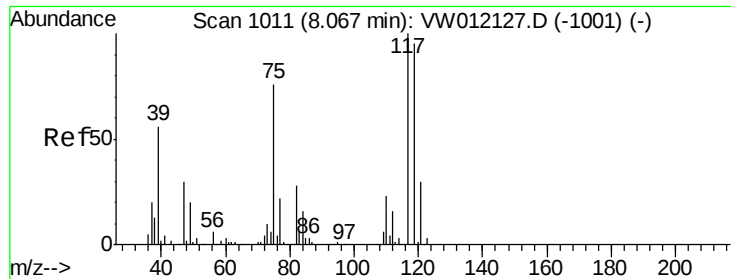
#36
 1,1-Dichloropropene
 Concen: 5.123 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012492.D
 Acq: 02 Sep 2019 12:18

Tgt Ion: 75 Resp: 13291
 Ion Ratio Lower Upper
 75 100
 110 8.6 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: 6.990 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012492.D

Acq: 02 Sep 2019 12:18

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-O-(0)RE

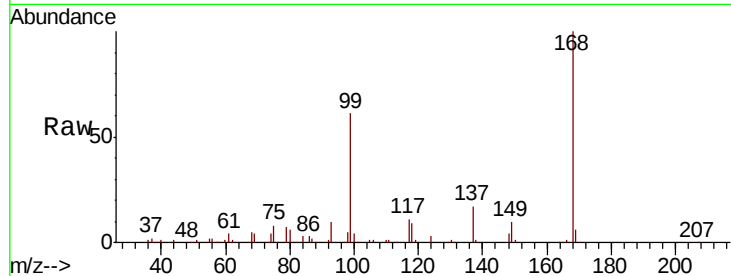
Tgt Ion:117 Resp: 15696

Ion Ratio Lower Upper

117 100

119 4.8 76.2 114.2#

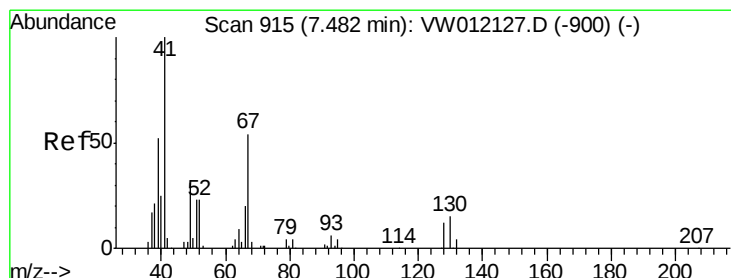
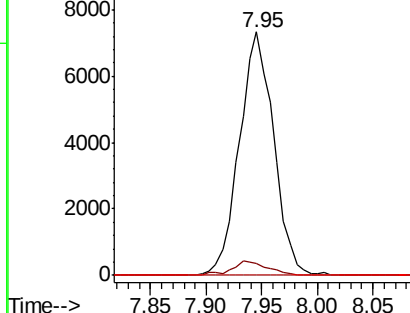
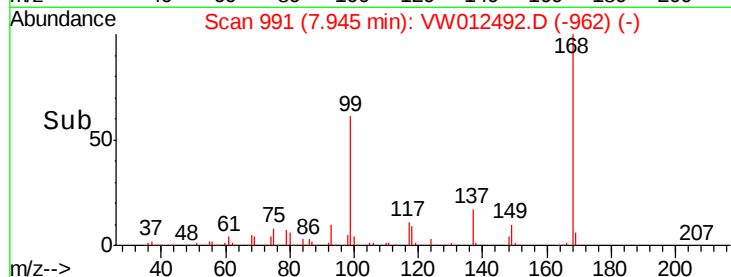
121 0.0 23.8 35.8#



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



#41

Methacrylonitrile

Concen: 1.275 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.07 min

Lab File: VW012492.D

Acq: 02 Sep 2019 12:18

Tgt Ion: 41 Resp: 1065

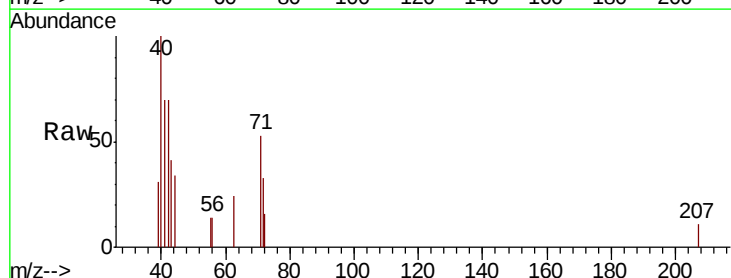
Ion Ratio Lower Upper

41 100

39 43.8 45.8 68.8#

67 1.9 46.2 69.4#

52 0.0 21.0 31.6#

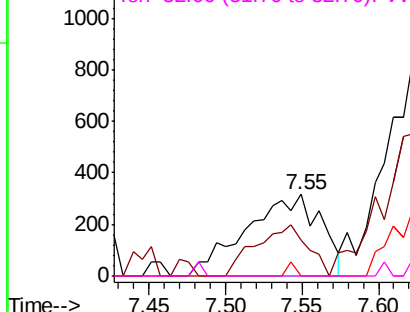
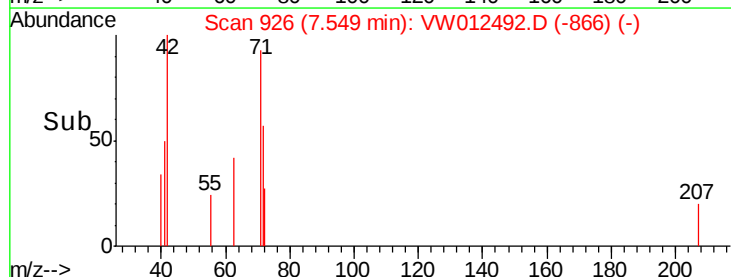


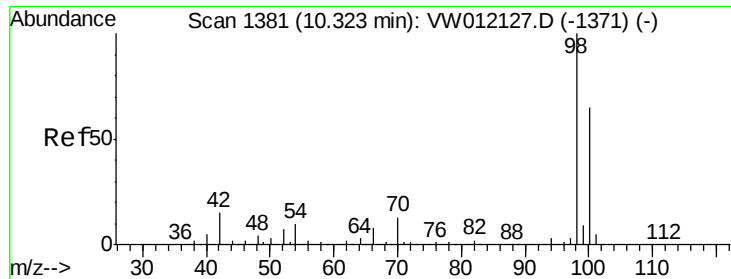
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 43.123 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012492.D

Acq: 02 Sep 2019 12:18

Instrument :

MSVOA_W

ClientSampleId :

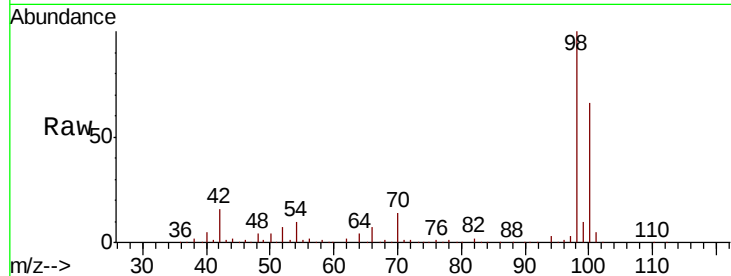
T9-12-13-O-(0)RE

Tgt Ion: 98 Resp: 262012

Ion Ratio Lower Upper

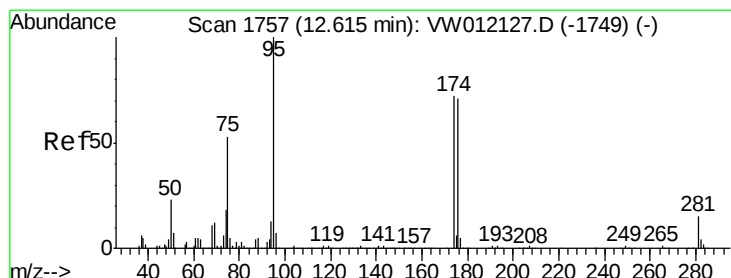
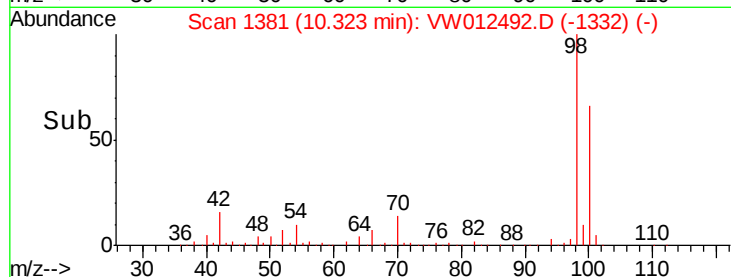
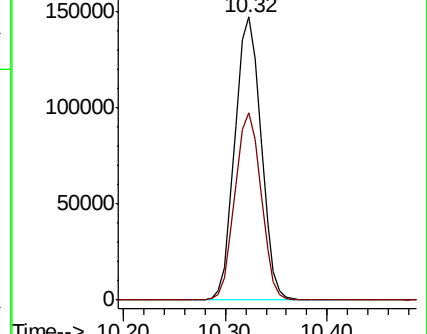
98 100

100 66.0 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 26.130 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012492.D

Acq: 02 Sep 2019 12:18

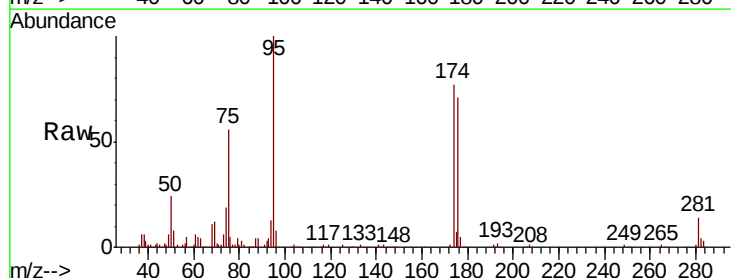
Tgt Ion: 95 Resp: 55964

Ion Ratio Lower Upper

95 100

174 78.7 0.0 150.8

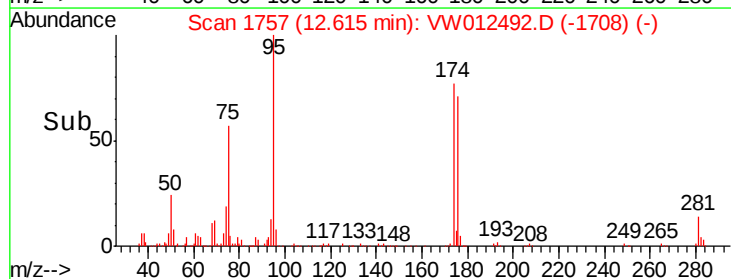
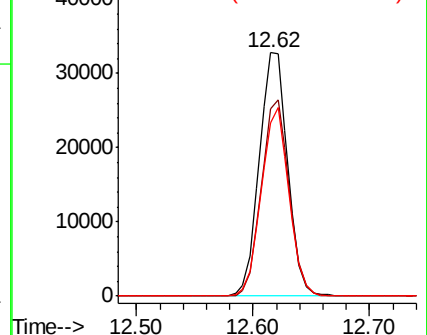
176 75.2 0.0 148.6

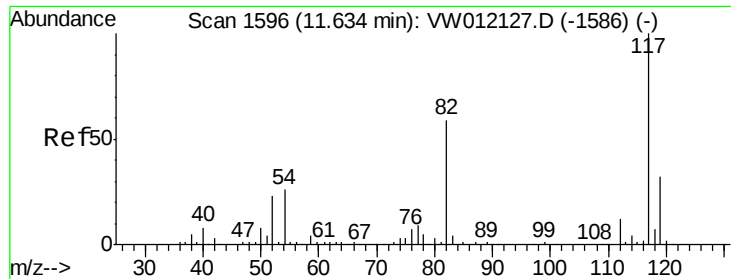


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

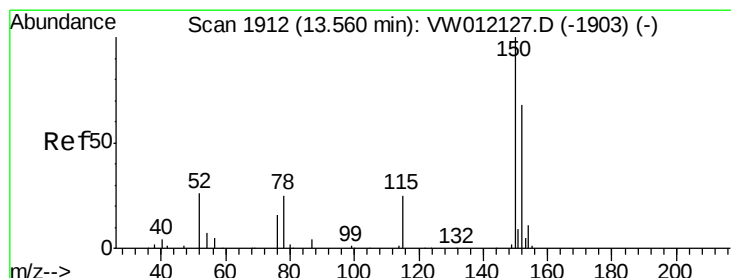
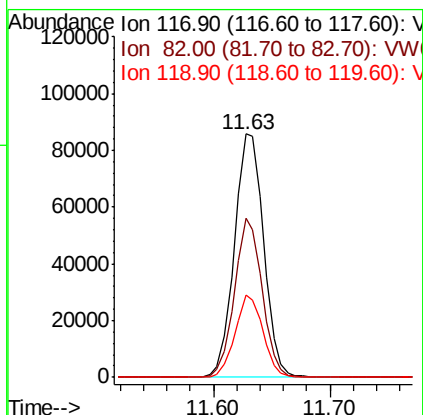
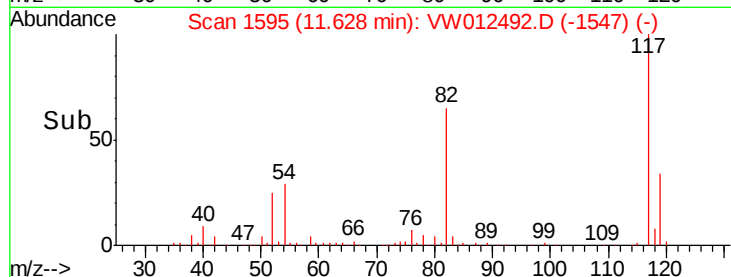
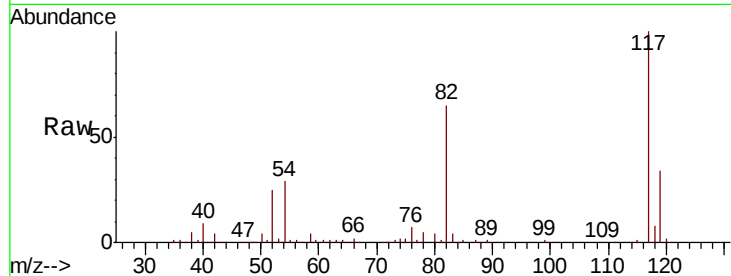




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012492.D
Acq: 02 Sep 2019 12:18

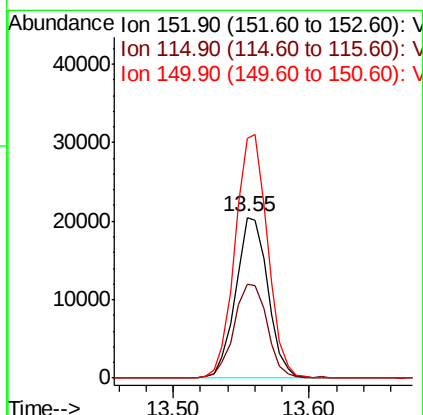
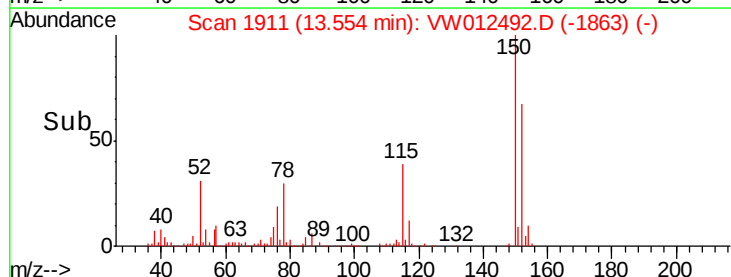
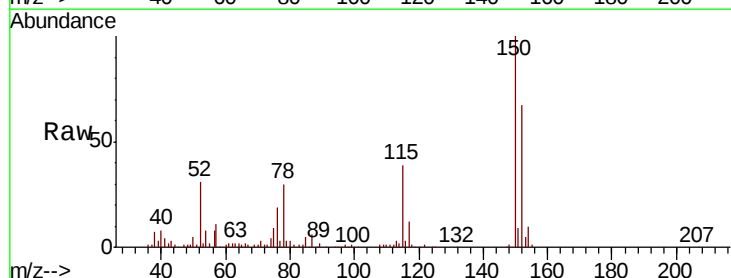
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-O-(0)RE

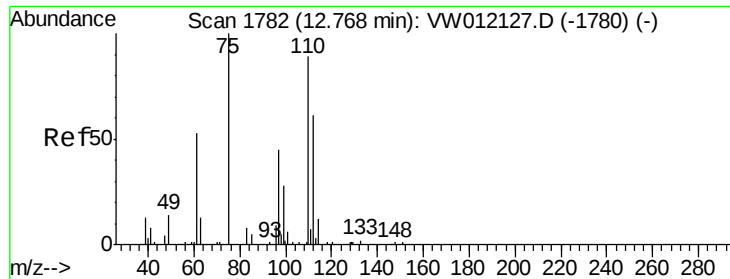
Tgt Ion:117 Resp: 150223
Ion Ratio Lower Upper
117 100
82 65.4 47.4 71.2
119 33.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012492.D
Acq: 02 Sep 2019 12:18

Tgt Ion:152 Resp: 33793
Ion Ratio Lower Upper
152 100
115 60.9 30.1 90.3
150 152.6 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 91.960 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012492.D

Acq: 02 Sep 2019 12:18

Instrument :

MSVOA_W

ClientSampleId :

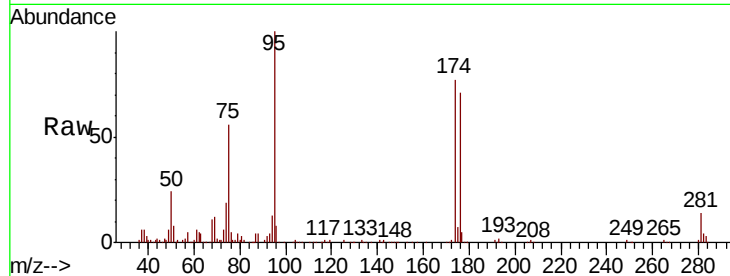
T9-12-13-O-(0)RE

Tgt Ion: 75 Resp: 30266

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

20000

15000

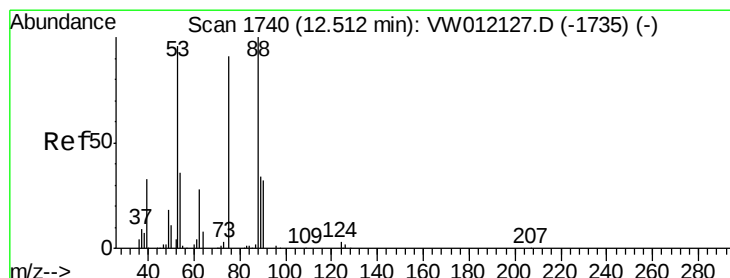
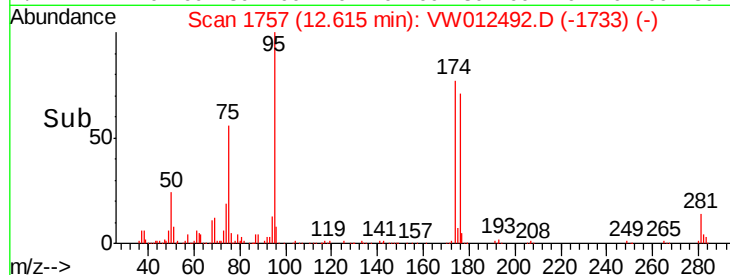
10000

5000

0

Time-->

12.60 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 201.627 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012492.D

Acq: 02 Sep 2019 12:18

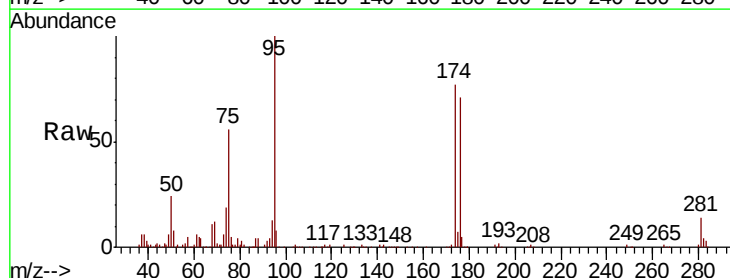
Tgt Ion: 75 Resp: 30266

Ion Ratio Lower Upper

75 100

53 0.0 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

25000

20000

15000

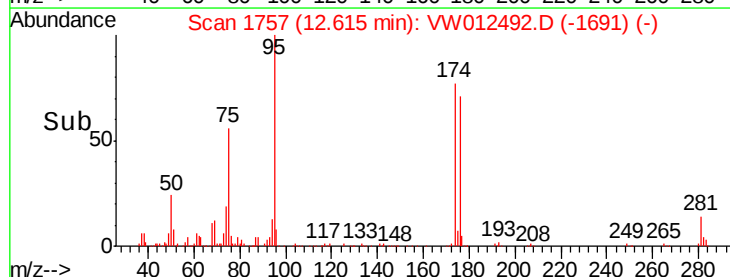
10000

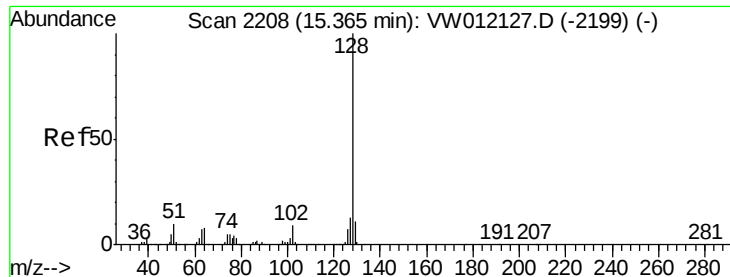
5000

0

Time-->

12.60 12.70





#95

Naphthalene

Concen: 5.111 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012492.D

Acq: 02 Sep 2019 12:18

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-O-(0)RE

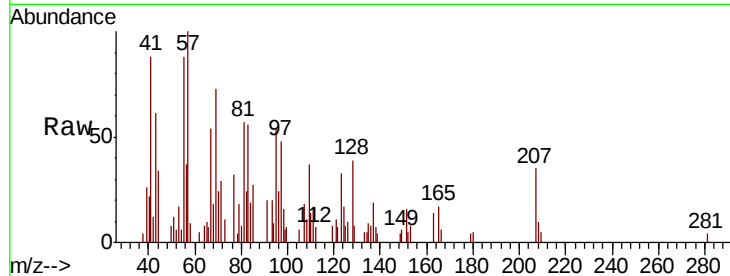
Tgt Ion:128 Resp: 1102

Ion Ratio Lower Upper

128 100

127 8.9 10.7 16.1#

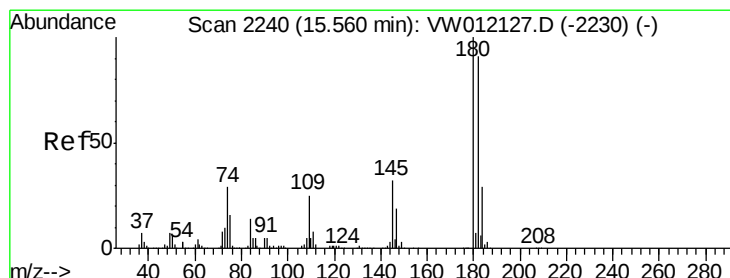
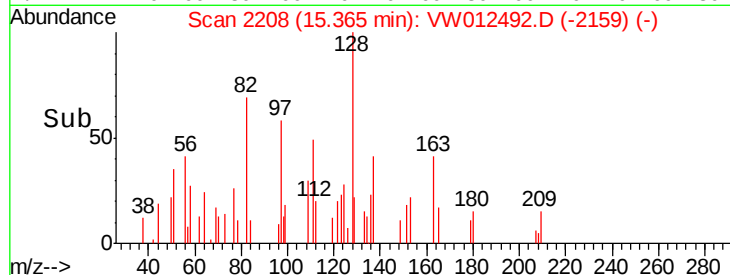
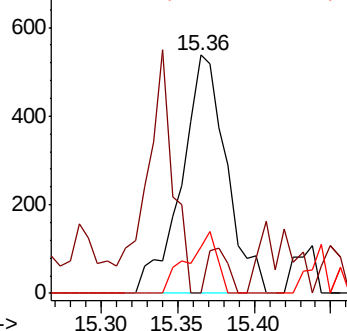
129 17.2 8.7 13.1#



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



#96

1,2,3-Trichlorobenzene

Concen: 1.449 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW012492.D

Acq: 02 Sep 2019 12:18

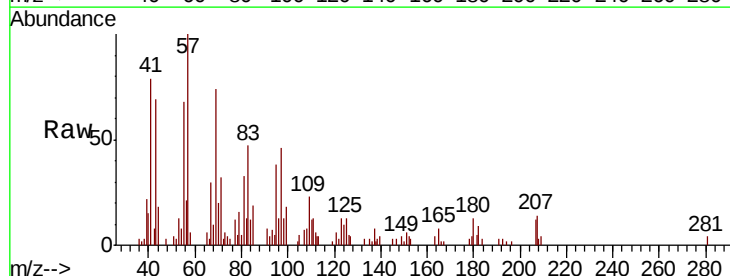
Tgt Ion:180 Resp: 821

Ion Ratio Lower Upper

180 100

182 67.4 47.1 141.3

145 18.4 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

