

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080818\
 Data File : VW004506.D
 Acq On : 07 Aug 2018 21:37
 Operator : SY/AP
 Sample : J4310-03
 Misc : 2.59G/5ML/MSVOA_W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C-2

Quant Time: Aug 08 08:38:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	335710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	438783	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	276771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	47433	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	250789	67.49	ug/l	0.00
Spiked Amount			Recovery	=	134.98%	
35) Dibromofluoromethane	7.88	113	238800	81.62	ug/l	0.00
Spiked Amount			Recovery	=	163.24%	
50) Toluene-d8	10.33	98	408332	36.61	ug/l	0.00
Spiked Amount			Recovery	=	73.22%	
62) 4-Bromofluorobenzene	12.62	95	52622	13.10	ug/l	0.00
Spiked Amount			Recovery	=	26.20%	

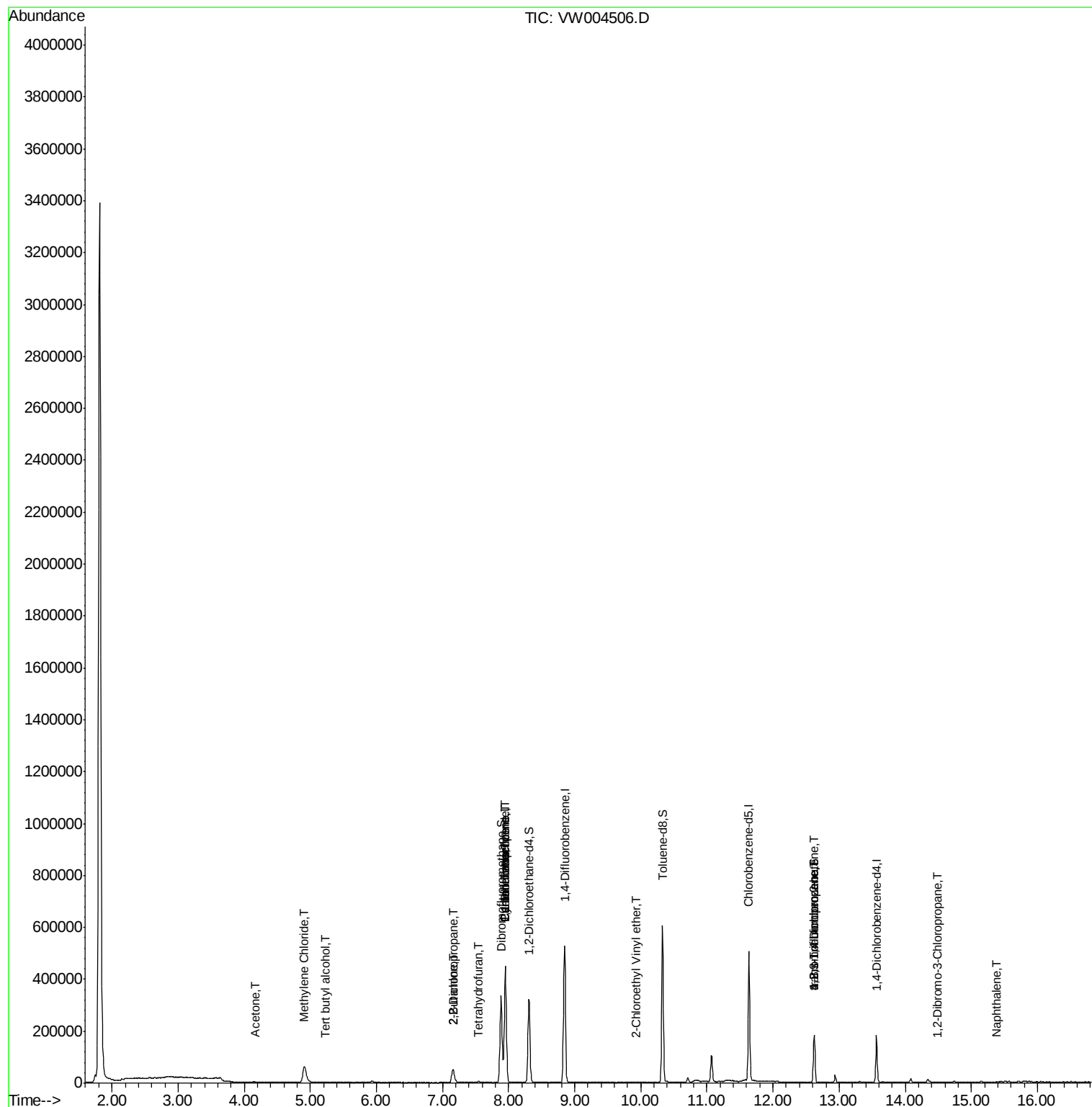
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	293	1.347	ug/l #	70
16) Acetone	4.16	43	6008	6.474	ug/l	92
20) Methylene Chloride	4.91	84	59971	5.310	ug/l	94
25) 2-Butanone	7.15	43	3236	2.168	ug/l #	78
26) 2,2-Dichloropropane	7.17	77	4075	1.067	ug/l #	50
29) Tetrahydrofuran	7.54	42	3654	4.735	ug/l	94
31) Cyclohexane	7.95	56	7396	1.062	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	26535	5.617	ug/l #	49
38) Carbon Tetrachloride	7.95	117	32461	7.635	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.93	63	453	9.215	ug/l #	65
76) 1,2,3-Trichloropropane	12.62	75	26272	53.526	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	26272	128.134	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.50	75	123	1.099	ug/l #	2
95) Naphthalene	15.38	128	1515	3.588	ug/l #	92

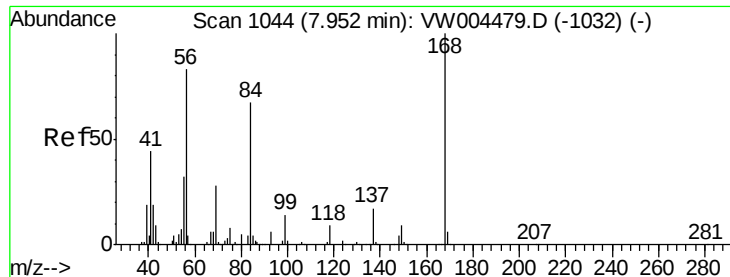
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004506.D

Acq: 07 Aug 2018 21:37

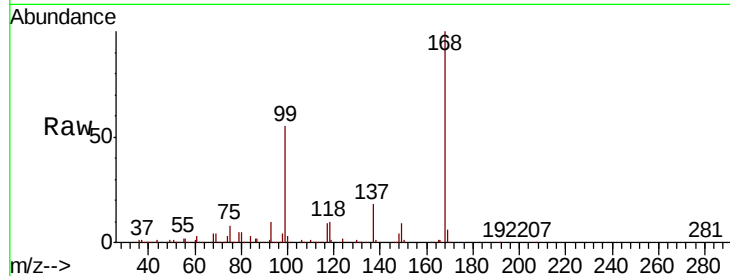
Instrument :
MSVOA_W
ClientSampled :
C-2

Tgt Ion:168 Resp: 335710

Ion Ratio Lower Upper

168 100

99 54.9 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

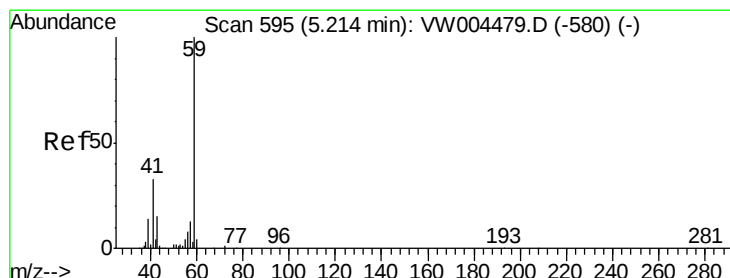
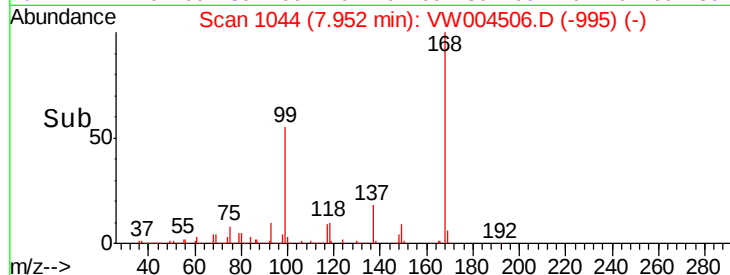
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.347 ug/l

RT: 5.23 min Scan# 597

Delta R.T. 0.01 min

Lab File: VW004506.D

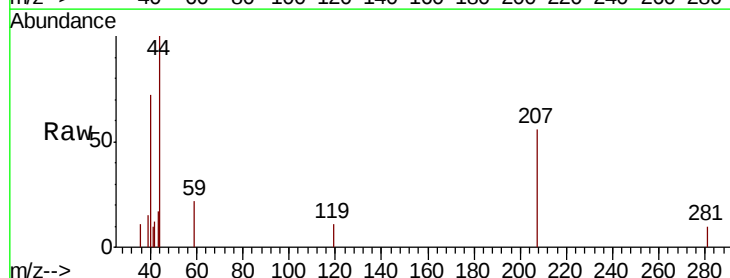
Acq: 07 Aug 2018 21:37

Tgt Ion: 59 Resp: 293

Ion Ratio Lower Upper

59 100

57 0.0 9.1 13.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.23

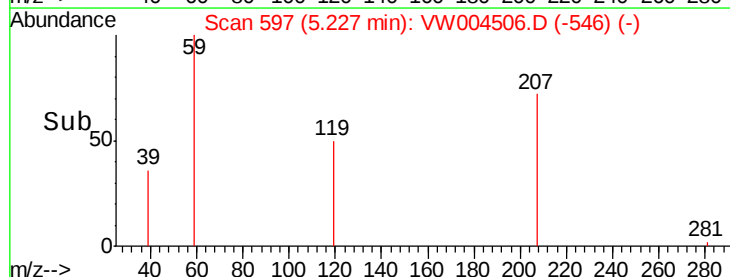
150

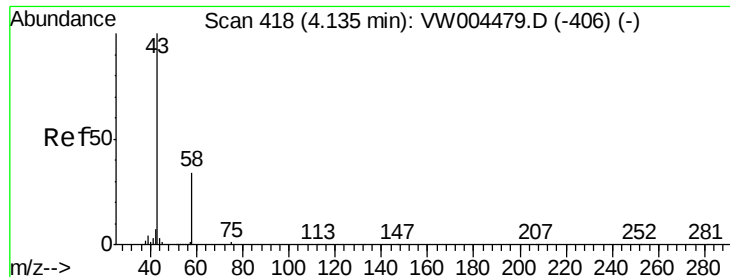
100

50

0

Time--> 5.20 5.25

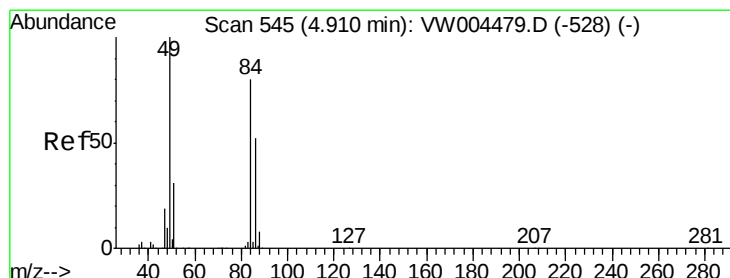
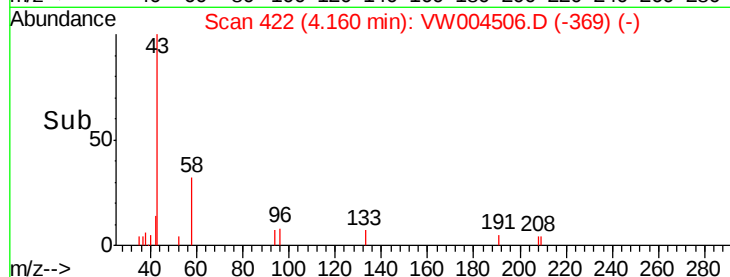
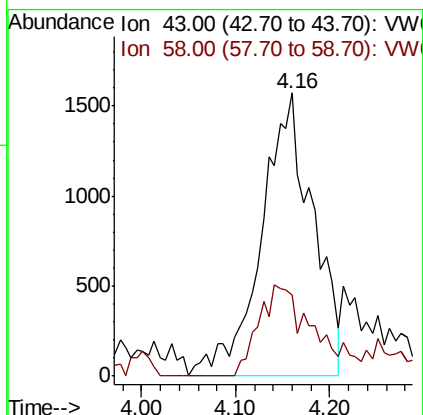
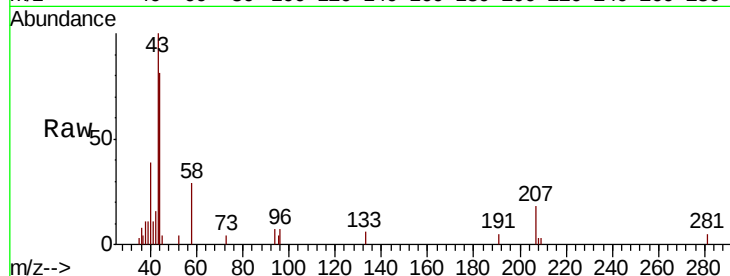




#16
Acetone
Concen: 6.474 ug/l
RT: 4.16 min Scan# 422
Delta R.T. 0.02 min
Lab File: VW004506.D
Acq: 07 Aug 2018 21:37

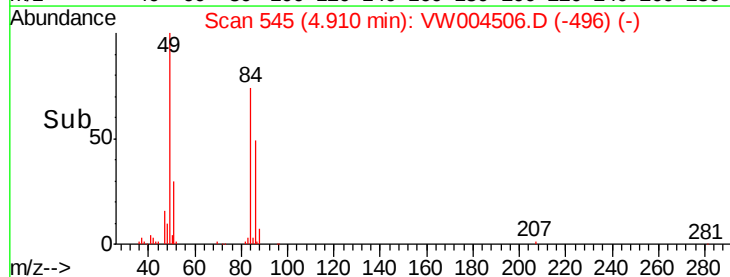
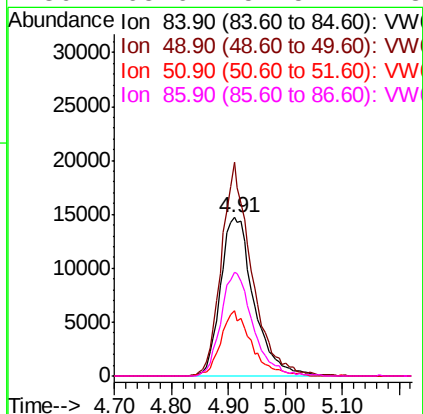
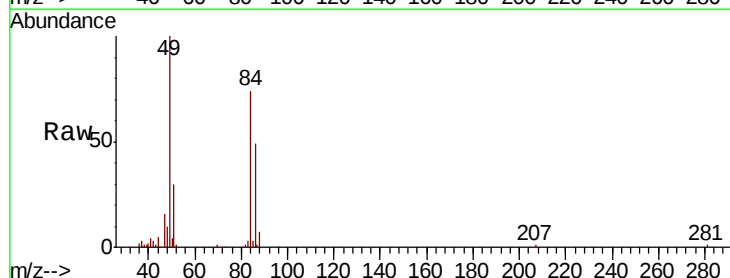
Instrument :
MSVOA_W
ClientSampled :
C-2

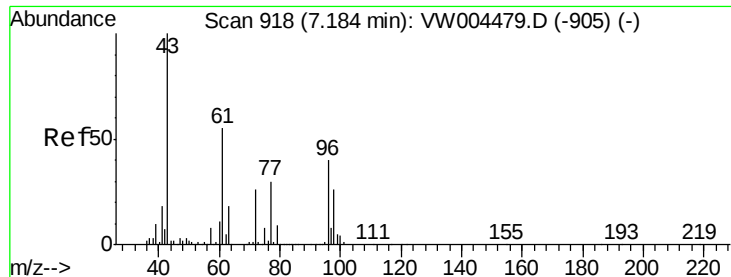
Tgt Ion: 43 Resp: 6008
Ion Ratio Lower Upper
43 100
58 28.8 26.8 40.2



#20
Methylene Chloride
Concen: 5.310 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004506.D
Acq: 07 Aug 2018 21:37

Tgt Ion: 84 Resp: 59971
Ion Ratio Lower Upper
84 100
49 134.9 99.6 149.4
51 41.0 31.0 46.4
86 65.6 51.5 77.3





#25

2-Butanone

Concen: 2.168 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.03 min

Lab File: VW004506.D

Acq: 07 Aug 2018 21:37

Instrument :

MSVOA_W

ClientSampleId :

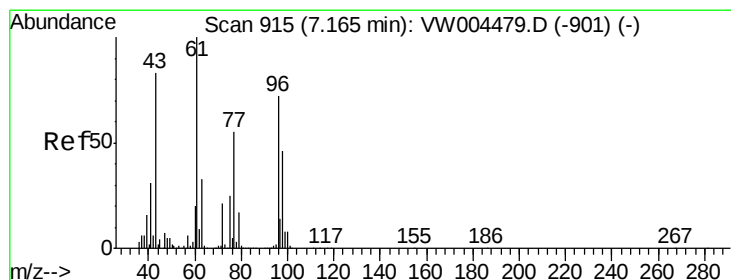
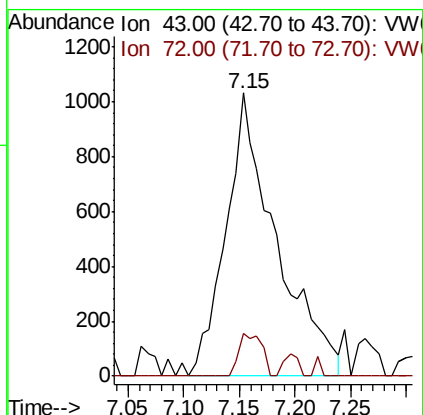
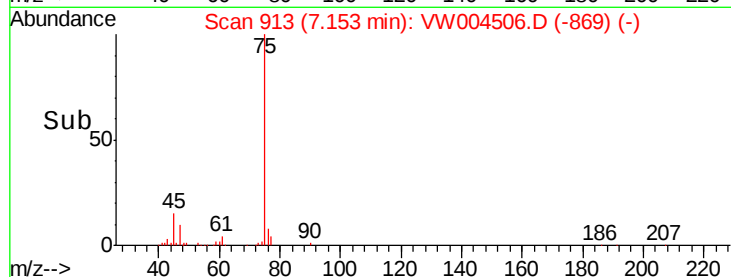
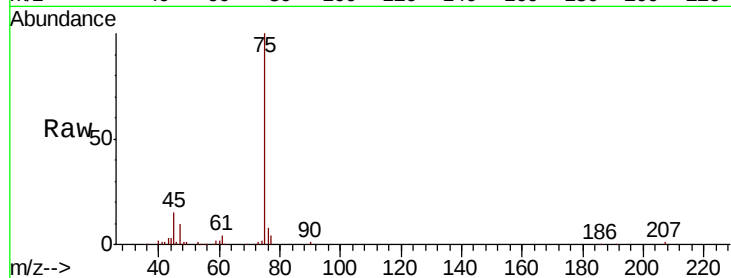
C-2

Tgt Ion: 43 Resp: 3236

Ion Ratio Lower Upper

43 100

72 15.2 21.0 31.6#



#26

2,2-Dichloropropane

Concen: 1.067 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW004506.D

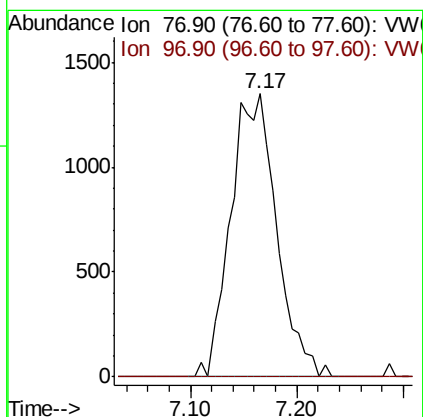
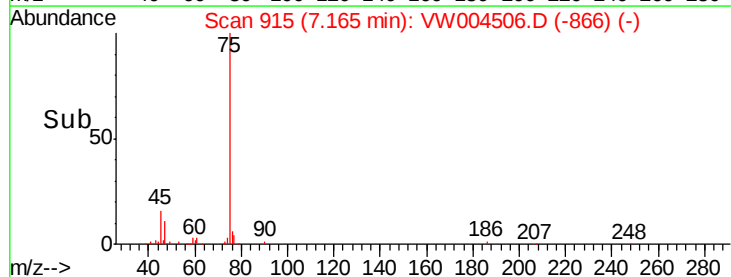
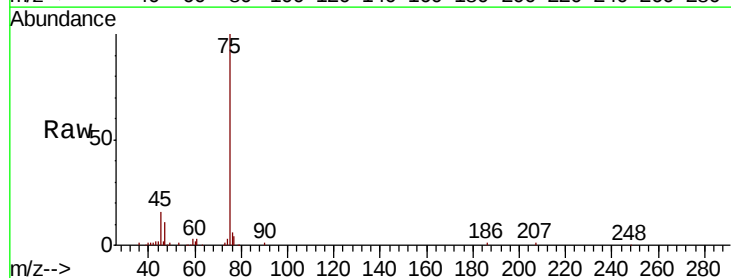
Acq: 07 Aug 2018 21:37

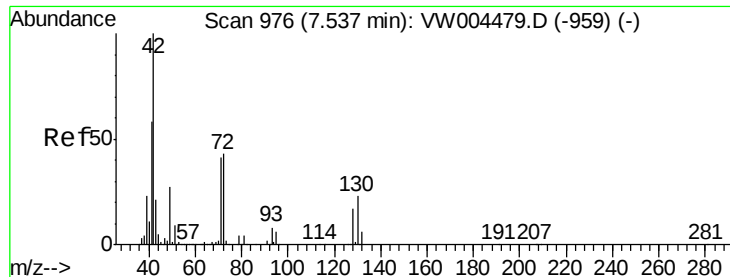
Tgt Ion: 77 Resp: 4075

Ion Ratio Lower Upper

77 100

97 0.0 12.5 37.5#





#29

Tetrahydrofuran

Concen: 4.735 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW004506.D

Acq: 07 Aug 2018 21:37

Instrument :

MSVOA_W

ClientSampleId :

C-2

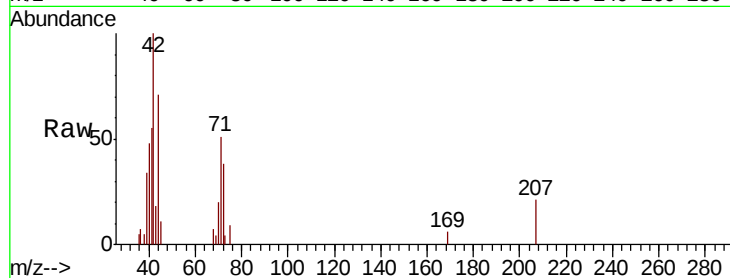
Tgt Ion: 42 Resp: 3654

Ion Ratio Lower Upper

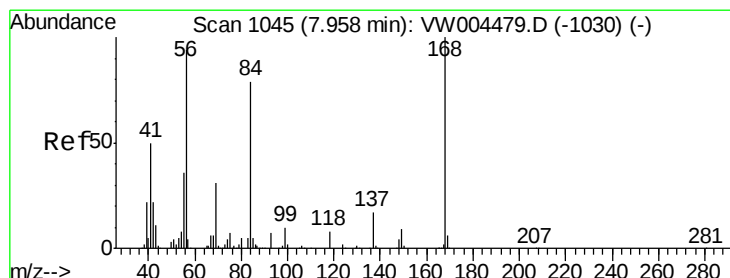
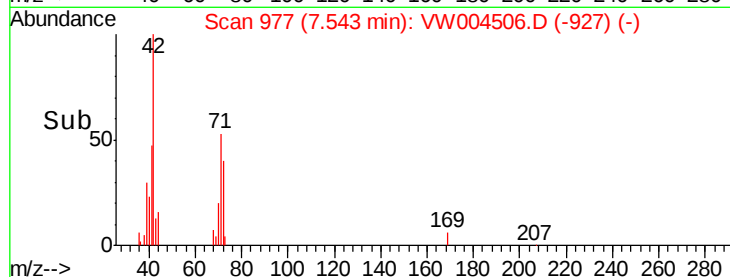
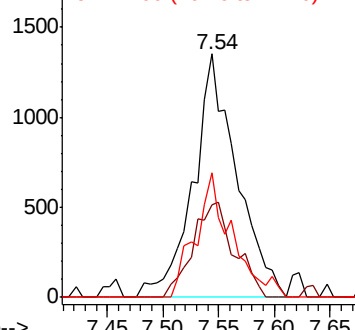
42 100

72 37.7 34.1 51.1

71 43.1 32.5 48.7



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.062 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW004506.D

Acq: 07 Aug 2018 21:37

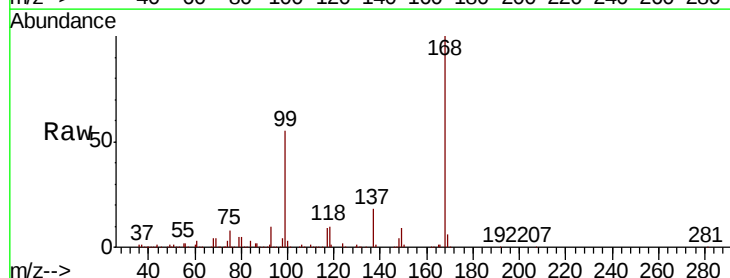
Tgt Ion: 56 Resp: 7396

Ion Ratio Lower Upper

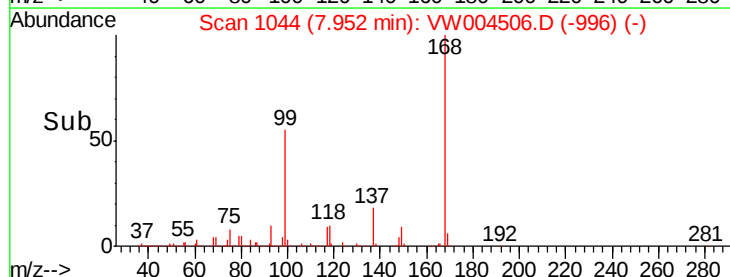
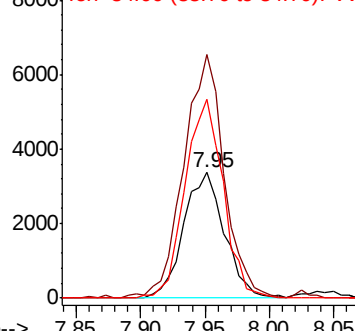
56 100

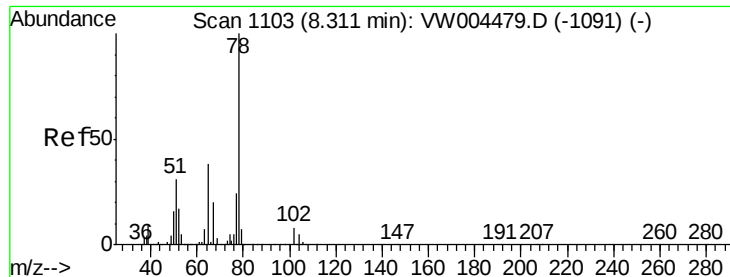
69 194.0 26.4 39.6#

84 158.4 66.9 100.3#



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

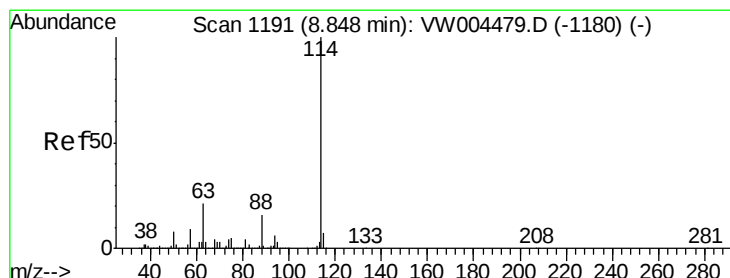
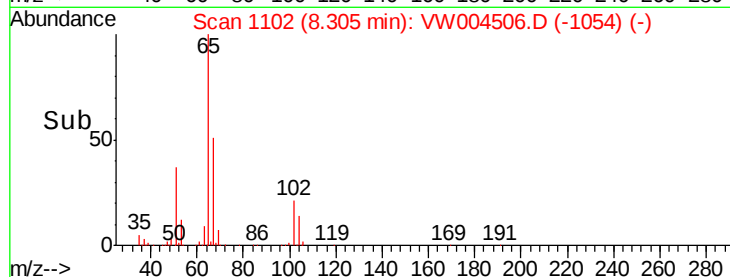
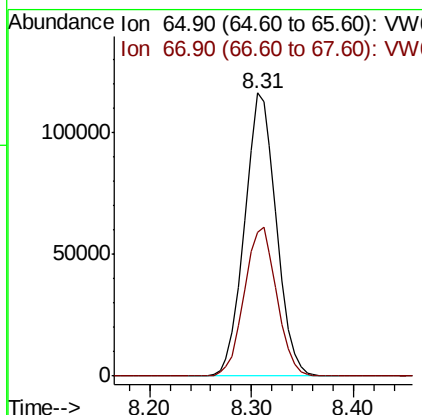
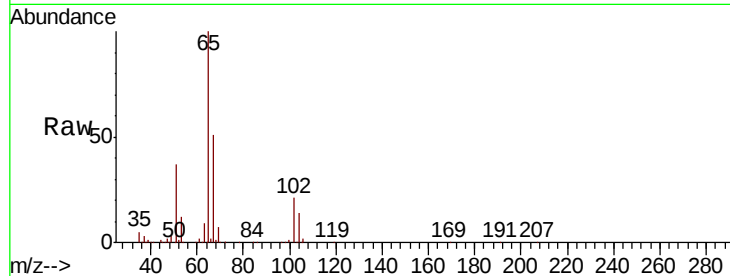




#33
 1,2-Dichloroethane-d4
 Concen: 67.485 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.01 min
 Lab File: VW004506.D
 Acq: 07 Aug 2018 21:37

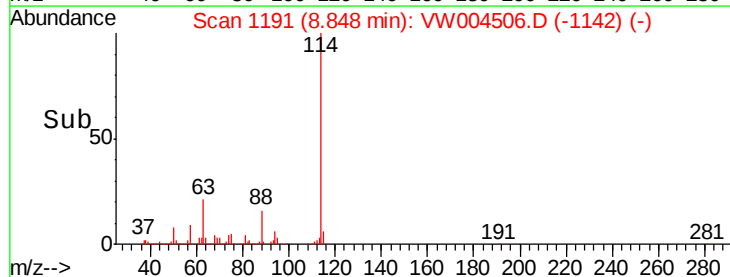
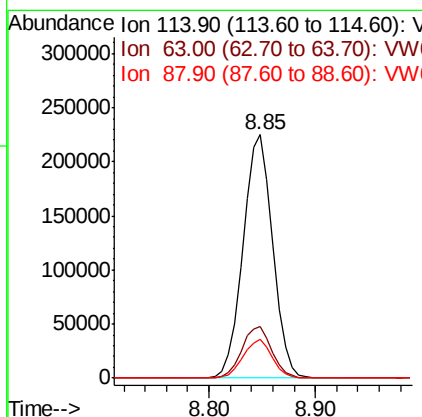
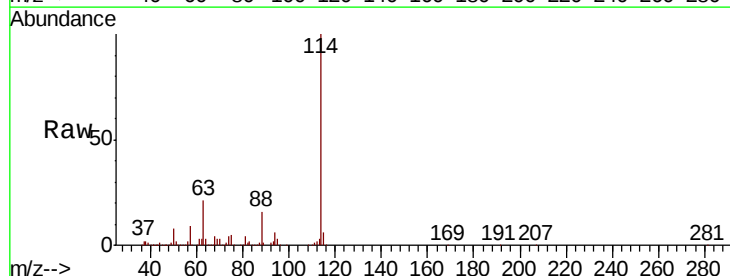
Instrument :
 MSVOA_W
 ClientSampled :
 C-2

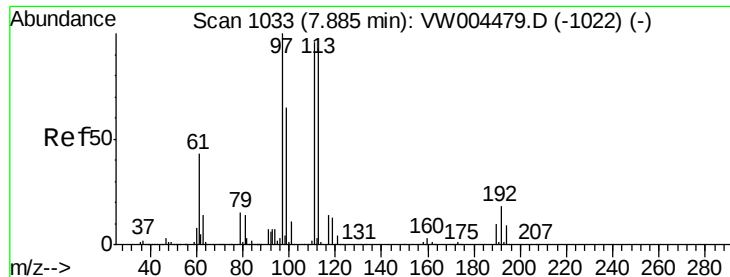
Tgt Ion: 65 Resp: 250789
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004506.D
 Acq: 07 Aug 2018 21:37

Tgt Ion: 114 Resp: 438783
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.4
 88 15.9 0.0 31.2

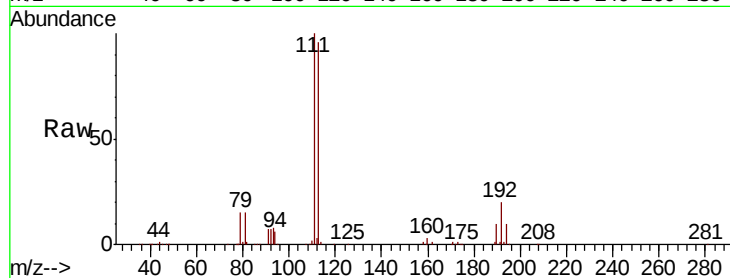




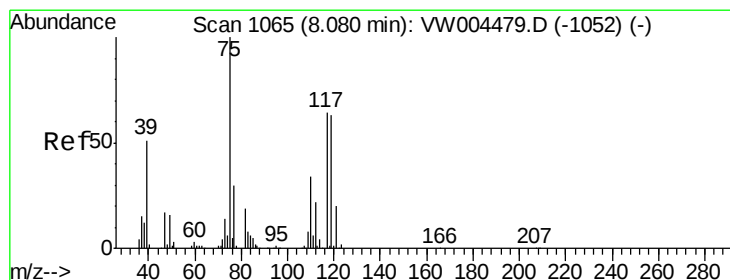
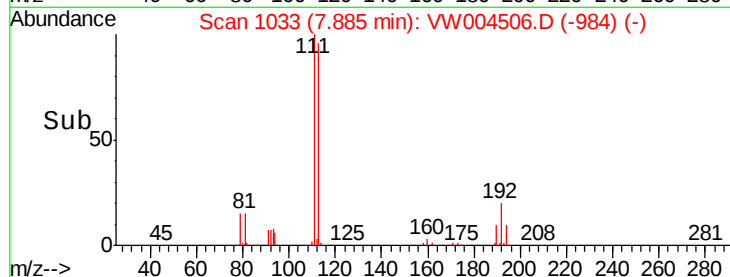
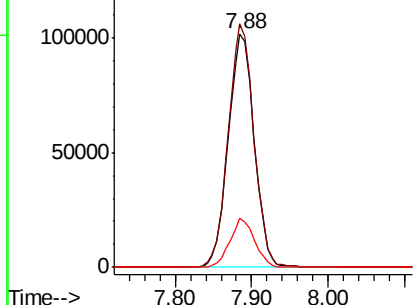
#35
 Dibromofluoromethane
 Concen: 81.622 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004506.D
 Acq: 07 Aug 2018 21:37

Instrument :
 MSVOA_W
 ClientSampled :
 C-2

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.9	124.3
192	20.0	15.8	23.6

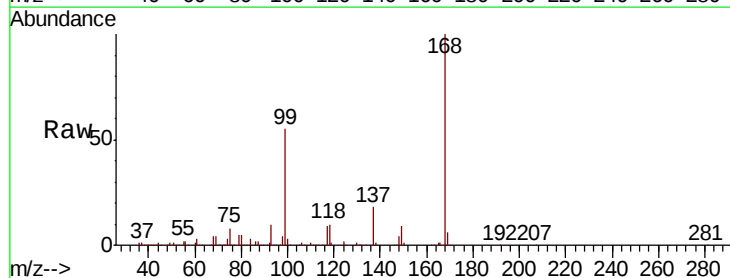


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

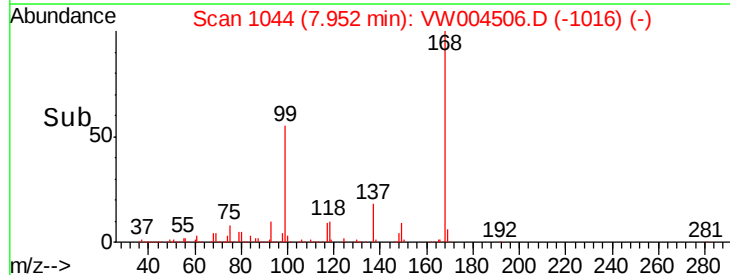
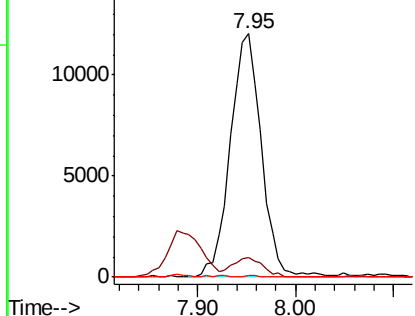


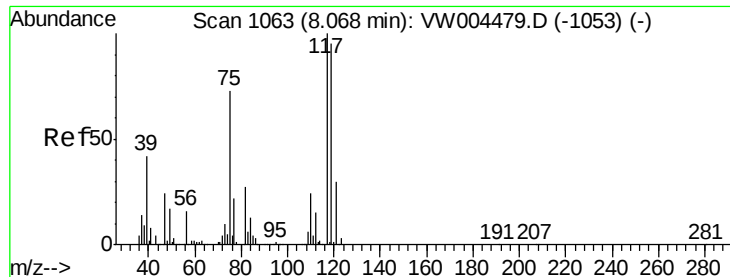
#36
 1,1-Dichloropropene
 Concen: 5.617 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004506.D
 Acq: 07 Aug 2018 21:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.4	52.2#
77	0.2	24.7	37.1#



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

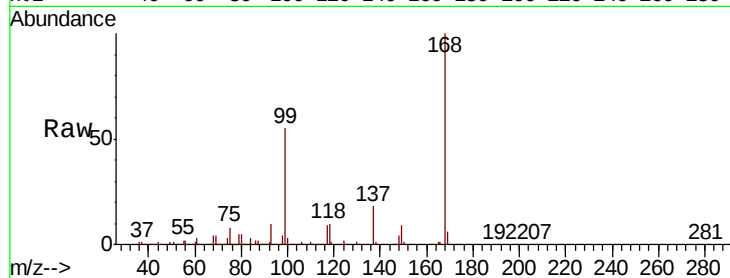




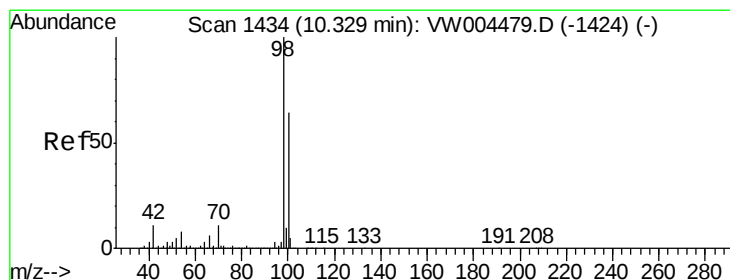
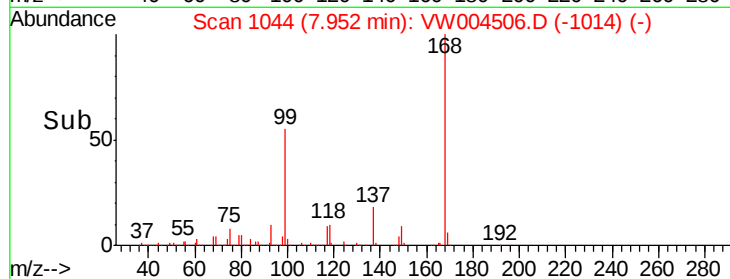
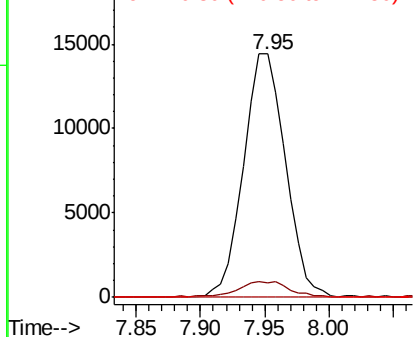
#38
Carbon Tetrachloride
Concen: 7.635 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW004506.D
Acq: 07 Aug 2018 21:37

Instrument :
MSVOA_W
ClientSampleId :
C-2

Tgt Ion:117 Resp: 32461
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.4#

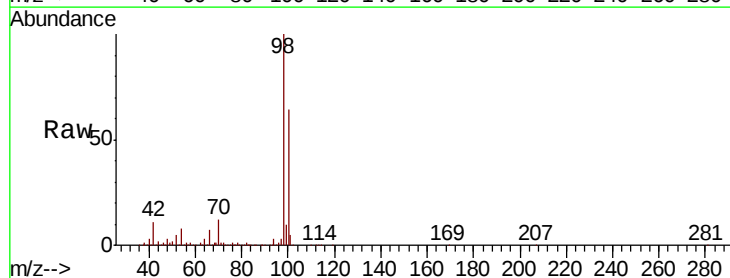


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

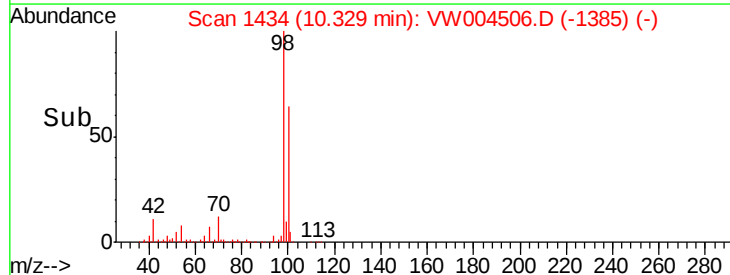
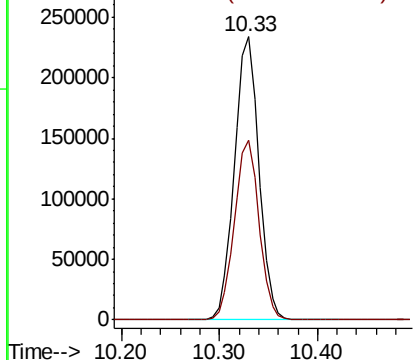


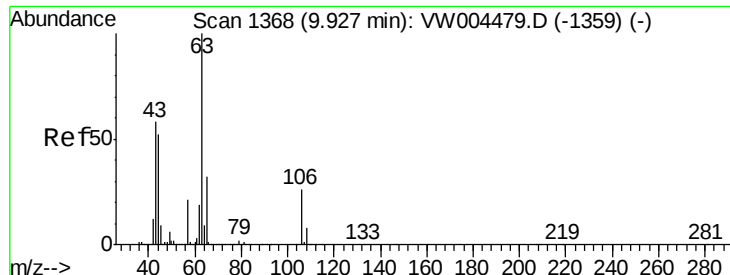
#50
Toluene-d8
Concen: 36.610 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004506.D
Acq: 07 Aug 2018 21:37

Tgt Ion: 98 Resp: 408332
Ion Ratio Lower Upper
98 100
100 63.5 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V

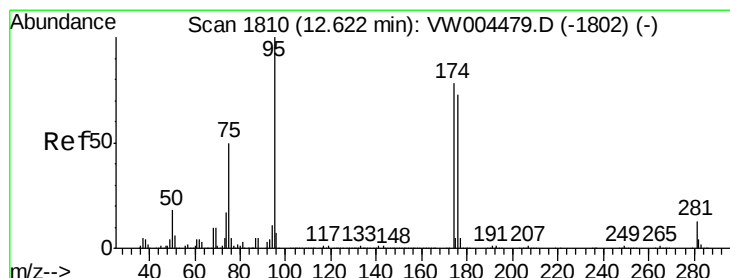
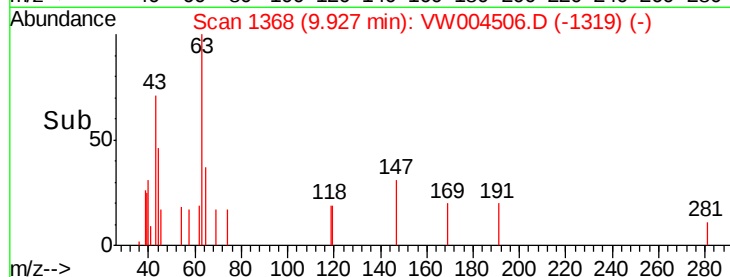
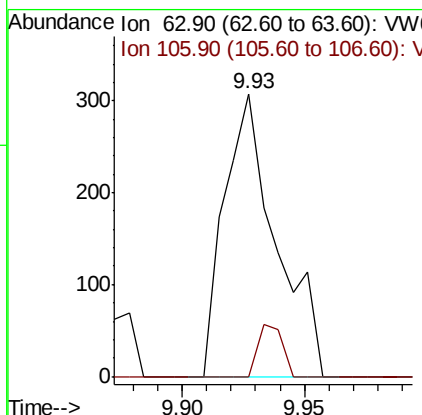
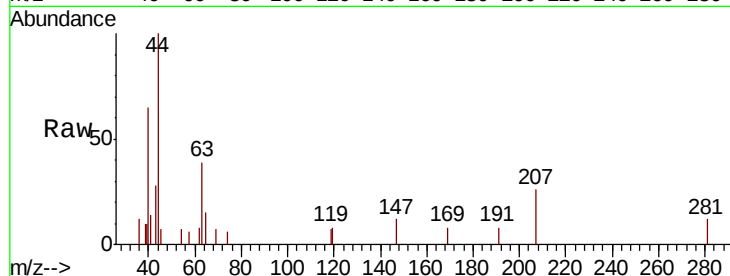




#58
 2-Chloroethyl Vinyl ether
 Concen: 9.215 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW004506.D
 Acq: 07 Aug 2018 21:37

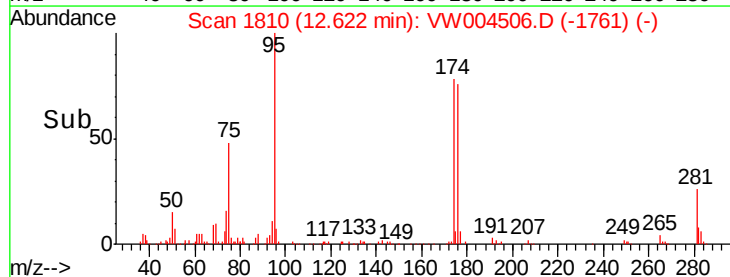
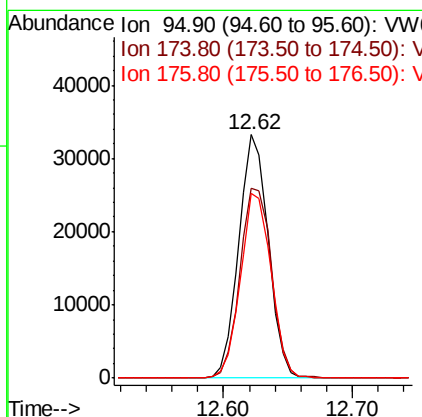
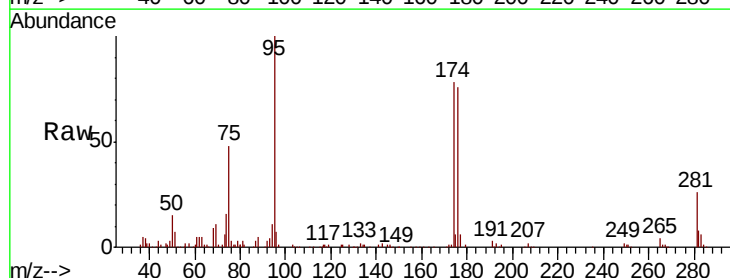
Instrument :
 MSVOA_W
 ClientSampleId :
 C-2

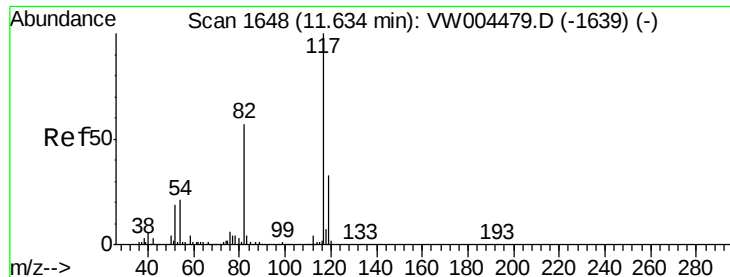
Tgt Ion: 63 Resp: 453
 Ion Ratio Lower Upper
 63 100
 106 8.6 21.3 31.9#



#62
 4-Bromofluorobenzene
 Concen: 13.097 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW004506.D
 Acq: 07 Aug 2018 21:37

Tgt Ion: 95 Resp: 52622
 Ion Ratio Lower Upper
 95 100
 174 83.4 0.0 160.4
 176 79.0 0.0 153.2

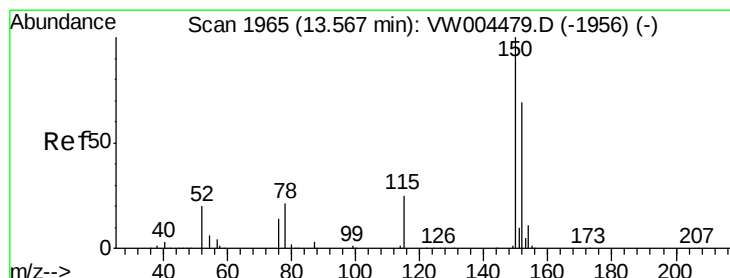
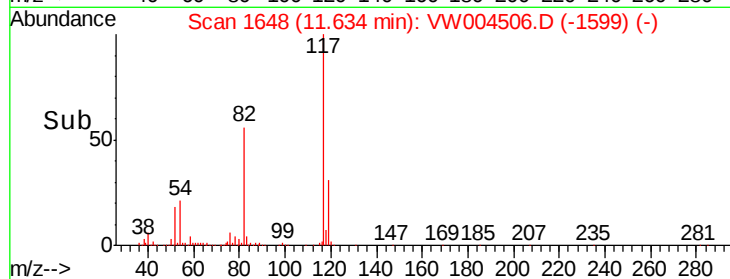
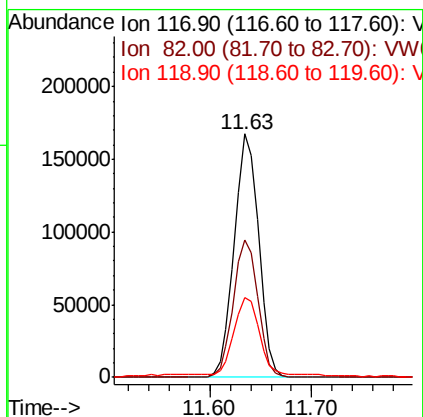
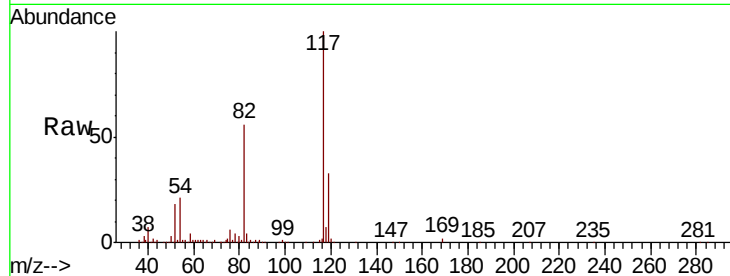




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004506.D
Acq: 07 Aug 2018 21:37

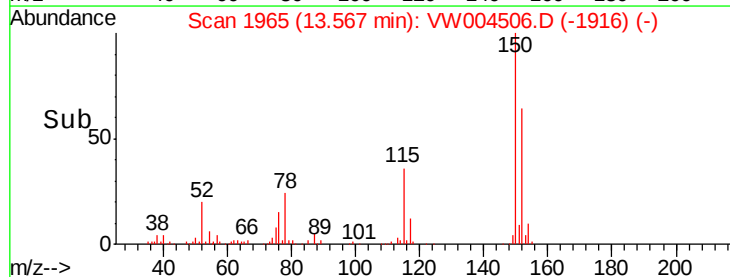
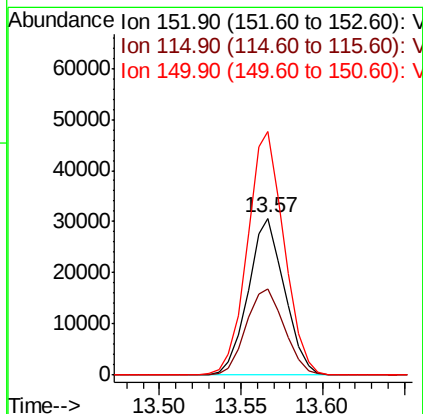
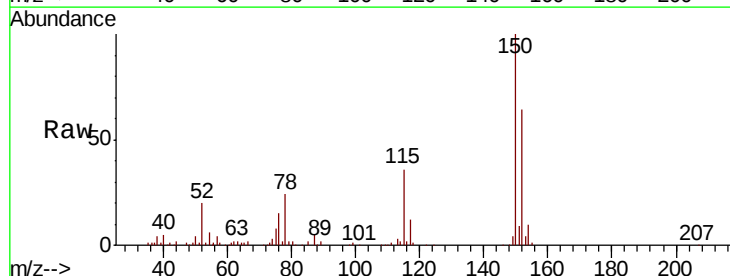
Instrument :
MSVOA_W
ClientSampled :
C-2

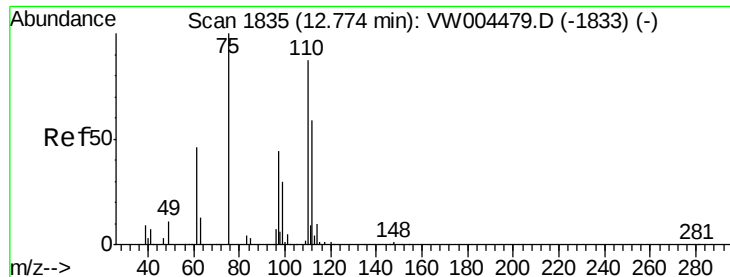
Tgt Ion:117 Resp: 276771
Ion Ratio Lower Upper
117 100
82 56.3 45.3 67.9
119 31.9 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004506.D
Acq: 07 Aug 2018 21:37

Tgt Ion:152 Resp: 47433
Ion Ratio Lower Upper
152 100
115 57.8 29.1 87.3
150 157.0 0.0 349.6

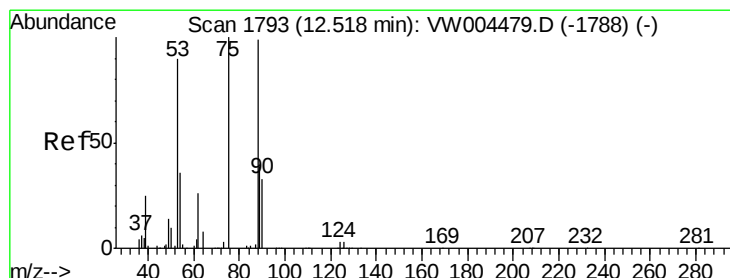
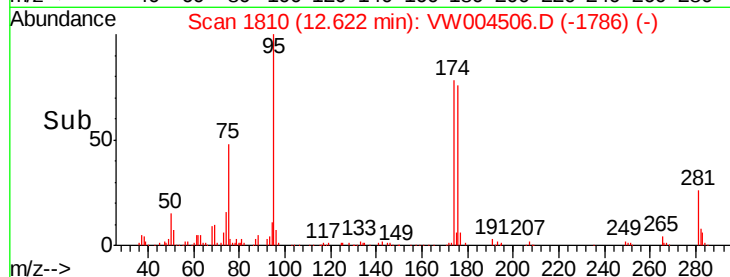
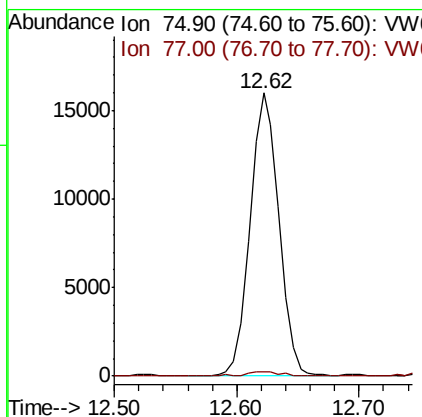
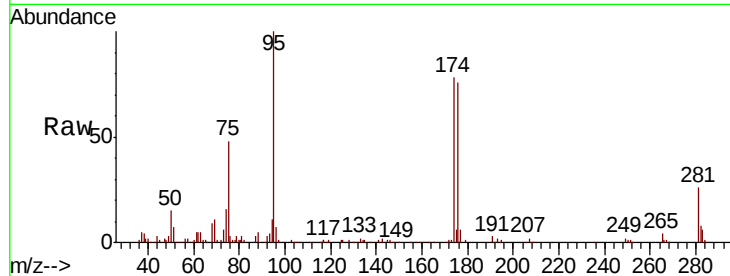




#76
 1,2,3-Trichloropropane
 Concen: 53.526 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.15 min
 Lab File: VW004506.D
 Acq: 07 Aug 2018 21:37

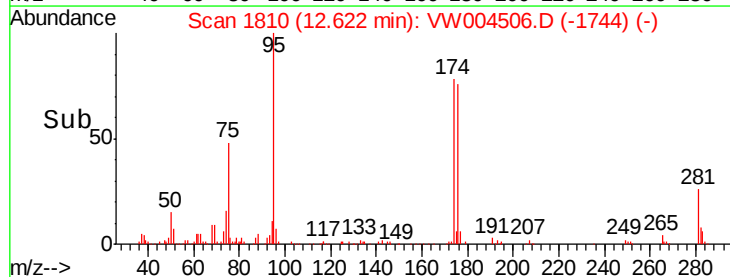
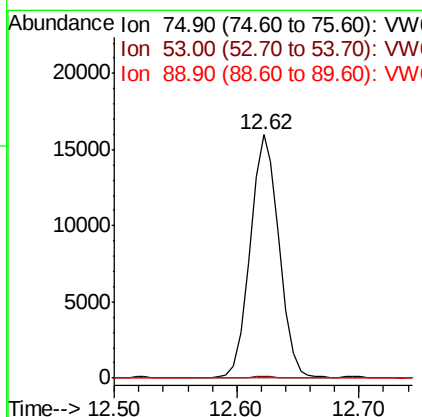
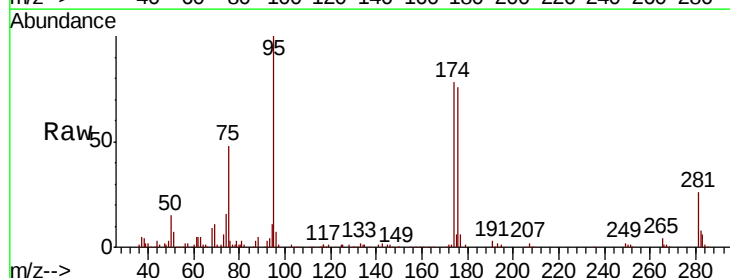
Instrument :
 MSVOA_W
 ClientSampleId :
 C-2

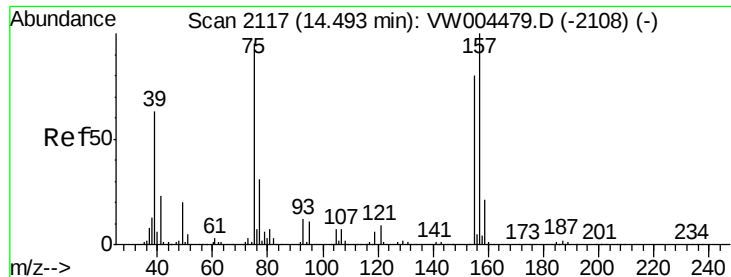
Tgt Ion: 75 Resp: 26272
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.134 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW004506.D
 Acq: 07 Aug 2018 21:37

Tgt Ion: 75 Resp: 26272
 Ion Ratio Lower Upper
 75 100
 53 0.4 74.4 111.6#
 89 0.1 35.9 53.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.099 ug/l

RT: 14.50 min Scan# 2118

Delta R.T. 0.01 min

Lab File: VW004506.D

Acq: 07 Aug 2018 21:37

Instrument :

MSVOA_W

ClientSampleId :

C-2

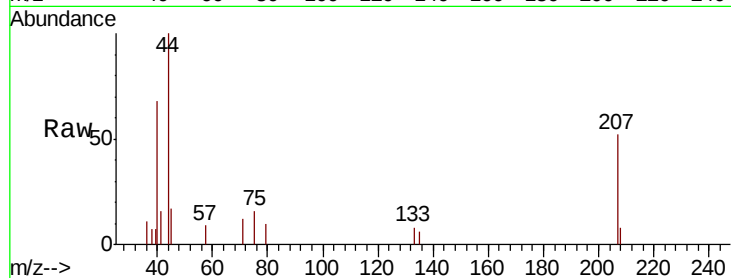
Tgt Ion: 75 Resp: 123

Ion Ratio Lower Upper

75 100

155 0.0 41.3 123.7#

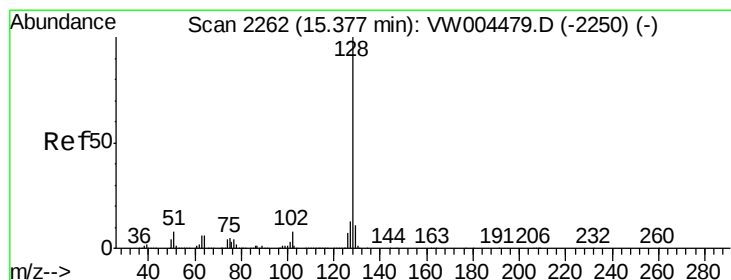
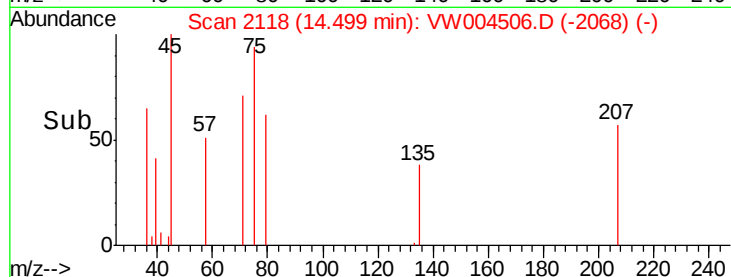
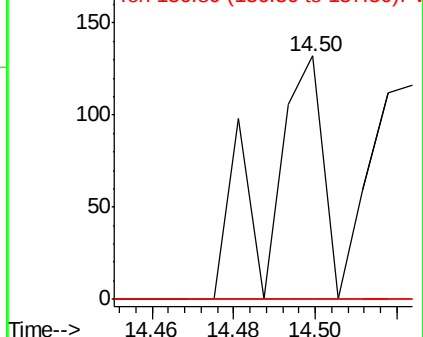
157 0.0 52.6 157.8#



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: 3.588 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VW004506.D

Acq: 07 Aug 2018 21:37

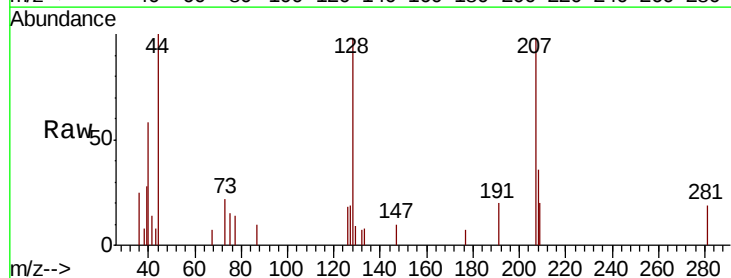
Tgt Ion: 128 Resp: 1515

Ion Ratio Lower Upper

128 100

127 16.1 10.3 15.5#

129 7.9 8.6 13.0#



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

