

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081018\
 Data File : VW004553.D
 Acq On : 09 Aug 2018 02:45
 Operator : SY/AP
 Sample : J4275-05RE
 Misc : 5.72G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C-1RE

Quant Time: Aug 09 05:18:19 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	195041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	287560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	217855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	71459	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	116725	54.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.12%	
35) Dibromofluoromethane	7.89	113	105208	54.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.74%	
50) Toluene-d8	10.33	98	277837	38.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.02%	
62) 4-Bromofluorobenzene	12.63	95	73239	27.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	55.64%	

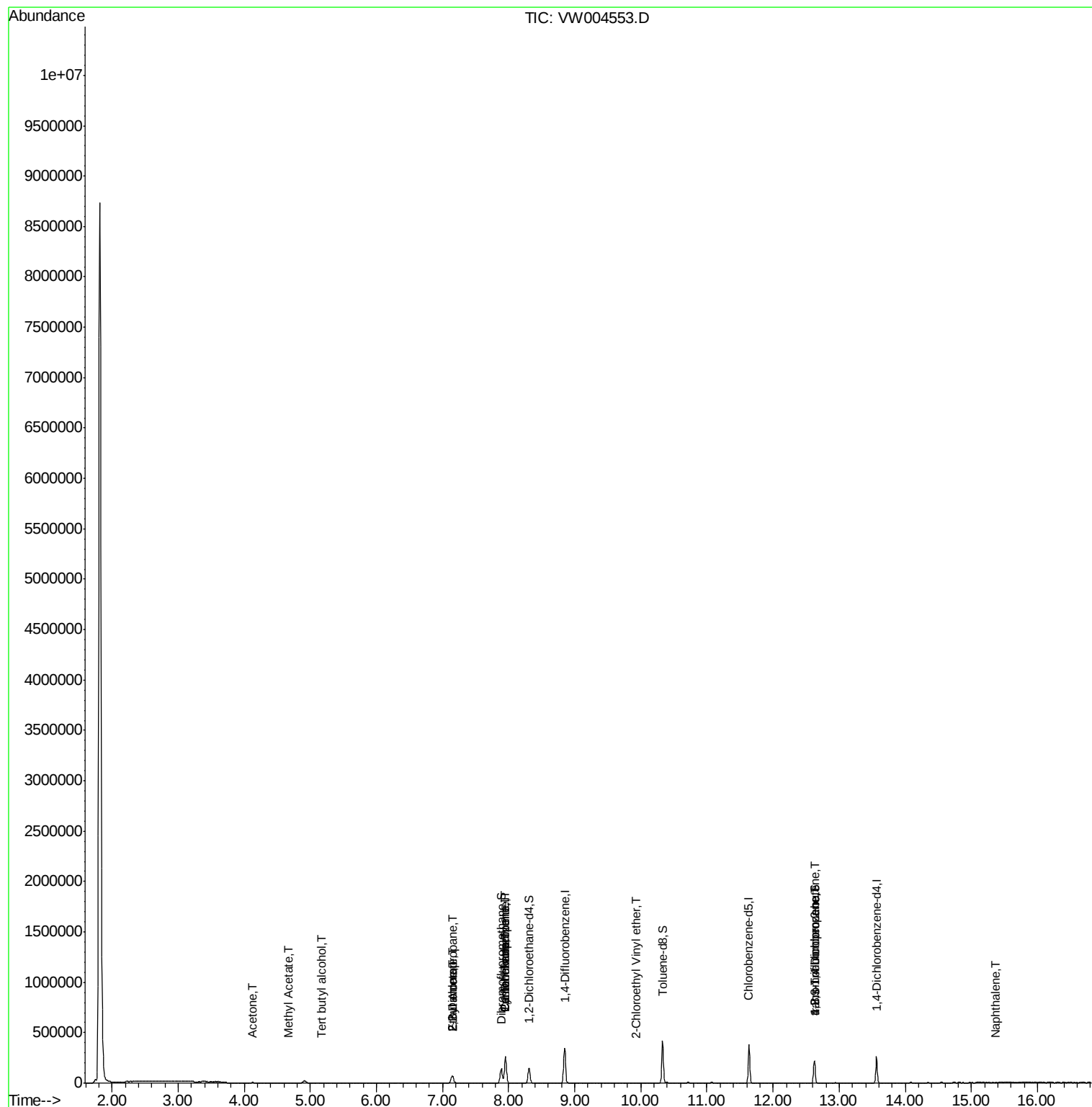
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	664	5.253	ug/l #	70
16) Acetone	4.13	43	6280	11.647	ug/l	97
18) Methyl Acetate	4.67	43	1705	1.268	ug/l #	77
20) Methylene Chloride	4.91	84	15695	Below Cal	#	83
25) 2-Butanone	7.15	43	4234	4.882	ug/l #	80
26) 2,2-Dichloropropane	7.15	77	4860	2.191	ug/l #	50
31) Cyclohexane	7.95	56	4701	1.162	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	15917	5.141	ug/l #	48
37) Ethyl Acetate	7.15	43	4234	2.920	ug/l #	1
38) Carbon Tetrachloride	7.95	117	18268	6.557	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.93	63	77	9.014	ug/l #	48
76) 1,2,3-Trichloropropane	12.62	75	35560	48.090	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	35560	115.122	ug/l #	13
95) Naphthalene	15.38	128	549	3.077	ug/l #	69

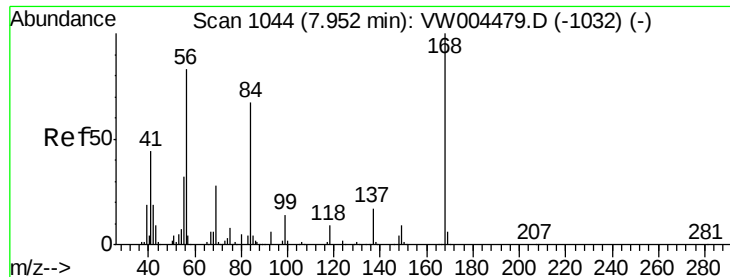
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004553.D

Acq: 09 Aug 2018 02:45

Instrument :

MSVOA_W

ClientSampleId :

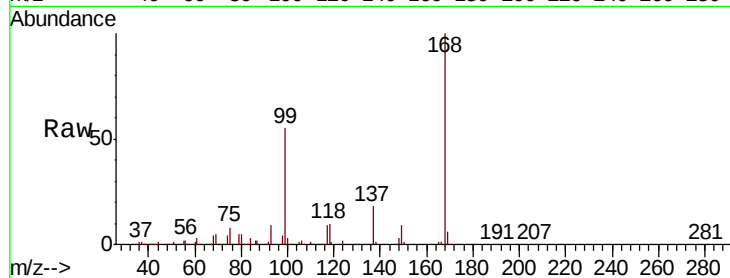
C-1RE

Tgt Ion: 168 Resp: 195041

Ion Ratio Lower Upper

168 100

99 55.0 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

80000

60000

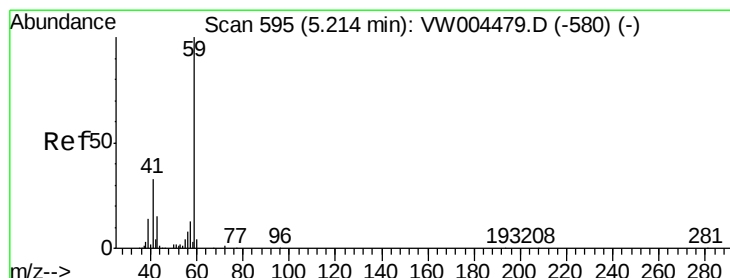
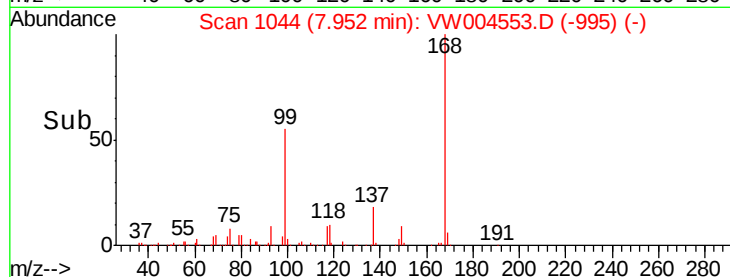
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 5.253 ug/l

RT: 5.17 min Scan# 588

Delta R.T. -0.04 min

Lab File: VW004553.D

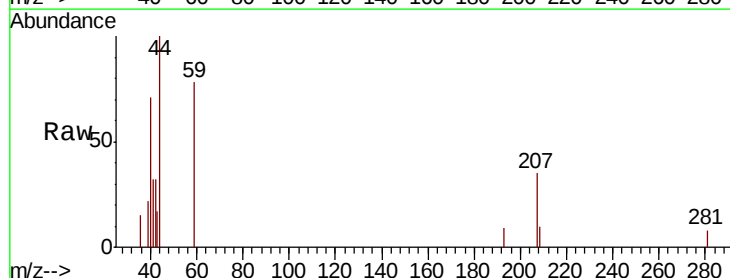
Acq: 09 Aug 2018 02:45

Tgt Ion: 59 Resp: 664

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

5.17

600

500

400

300

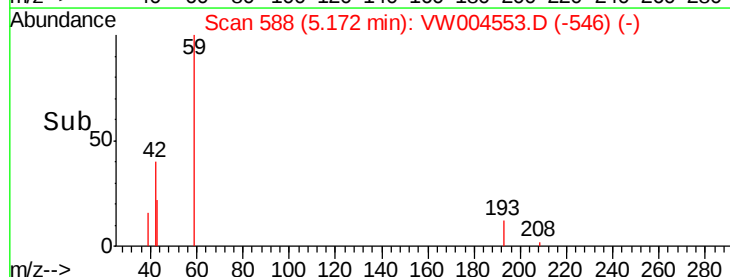
200

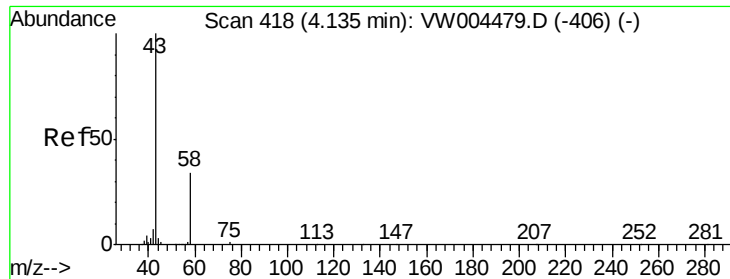
100

0

5.15 5.20

Time-->





#16

Acetone

Concen: 11.647 ug/l

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

Lab File: VW004553.D

Acq: 09 Aug 2018 02:45

Instrument :

MSVOA_W

ClientSampleId :

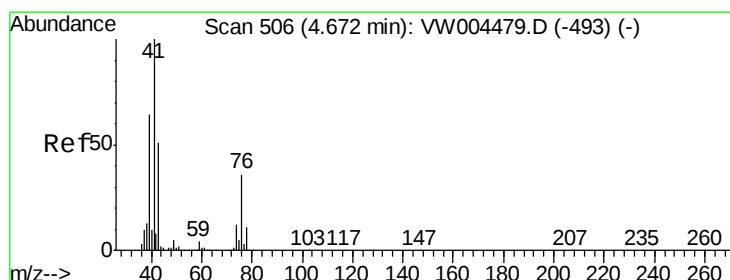
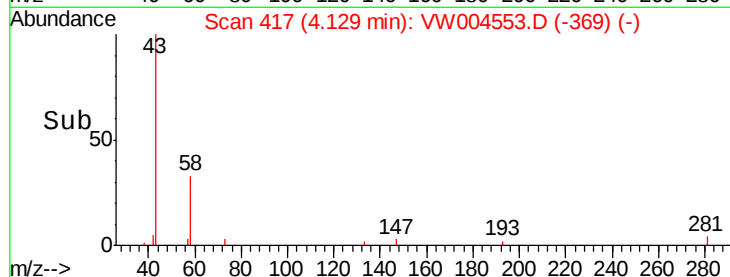
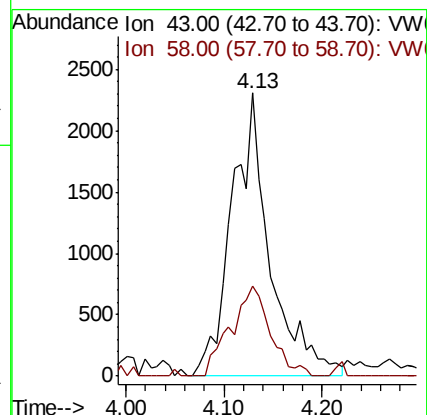
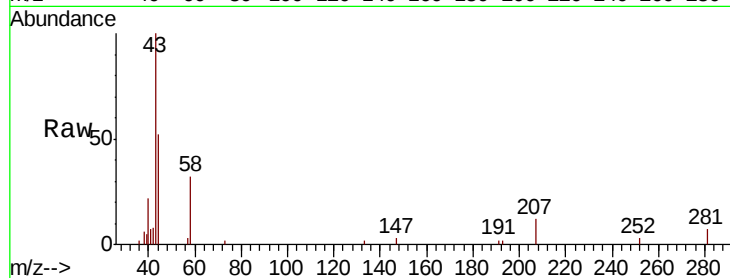
C-1RE

Tgt Ion: 43 Resp: 6280

Ion Ratio Lower Upper

43 100

58 31.6 26.8 40.2



#18

Methyl Acetate

Concen: 1.268 ug/l

RT: 4.67 min Scan# 505

Delta R.T. -0.01 min

Lab File: VW004553.D

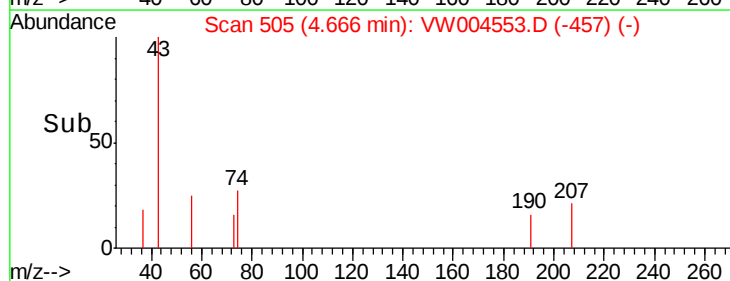
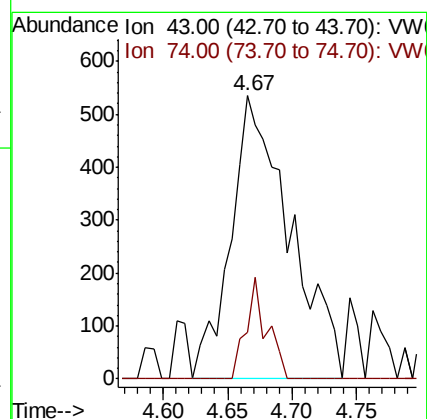
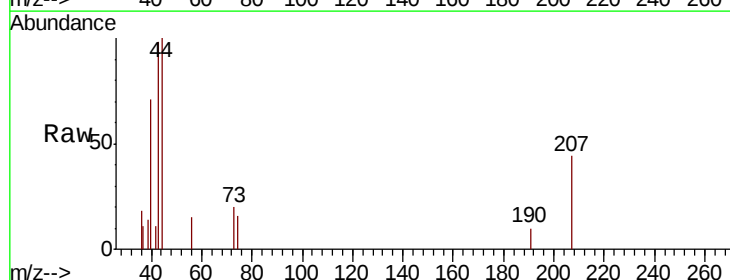
Acq: 09 Aug 2018 02:45

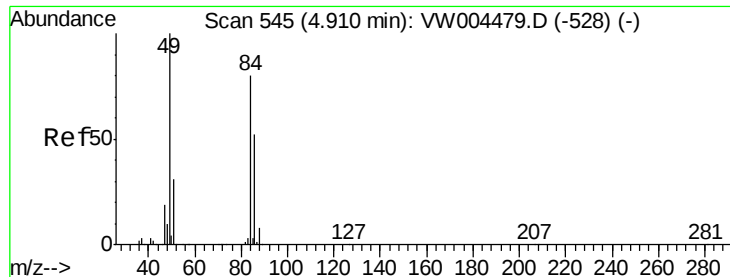
Tgt Ion: 43 Resp: 1705

Ion Ratio Lower Upper

43 100

74 12.5 19.1 28.7#

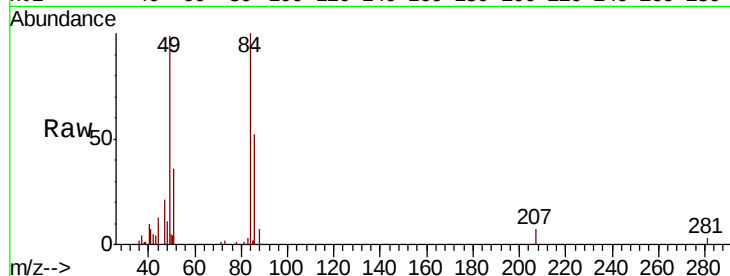




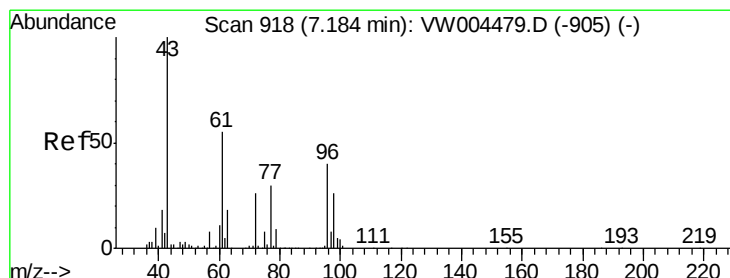
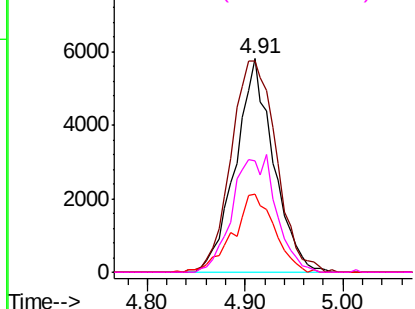
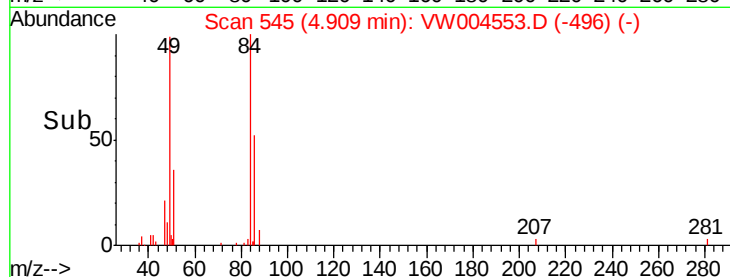
#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004553.D
Acq: 09 Aug 2018 02:45

Instrument :
MSVOA_W
ClientSampleId :
C-1RE

Tgt Ion: 84 Resp: 15695
Ion Ratio Lower Upper
84 100
49 99.1 99.6 149.4#
51 36.4 31.0 46.4
86 52.0 51.5 77.3

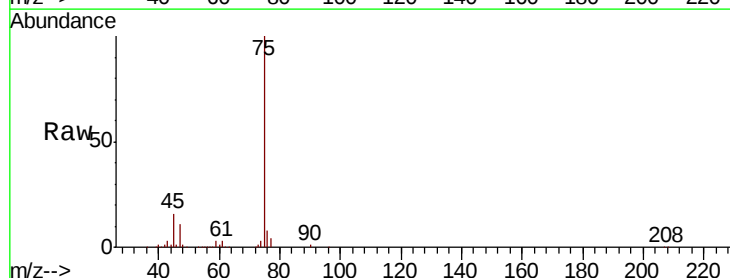


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

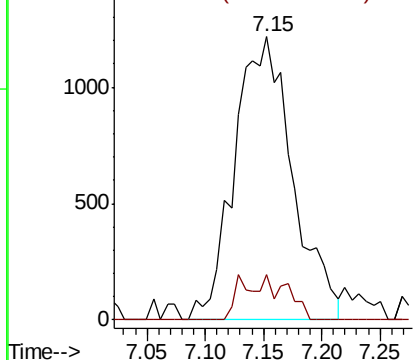
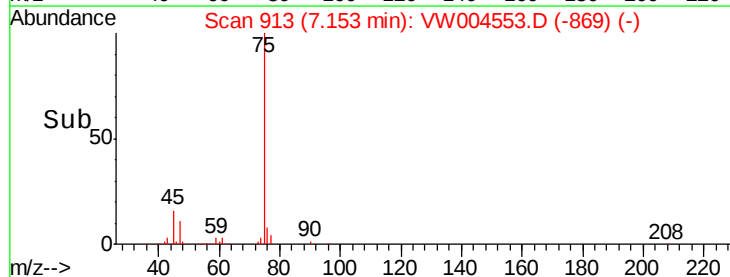


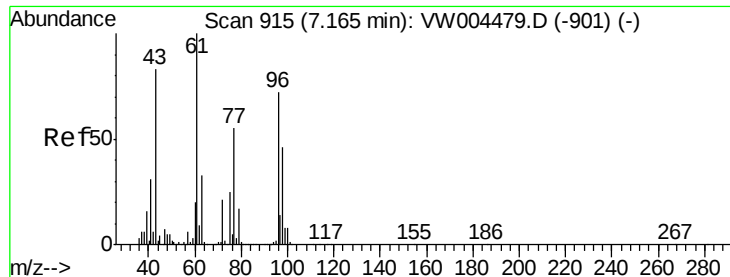
#25
2-Butanone
Concen: 4.882 ug/l
RT: 7.15 min Scan# 913
Delta R.T. -0.03 min
Lab File: VW004553.D
Acq: 09 Aug 2018 02:45

Tgt Ion: 43 Resp: 4234
Ion Ratio Lower Upper
43 100
72 16.1 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

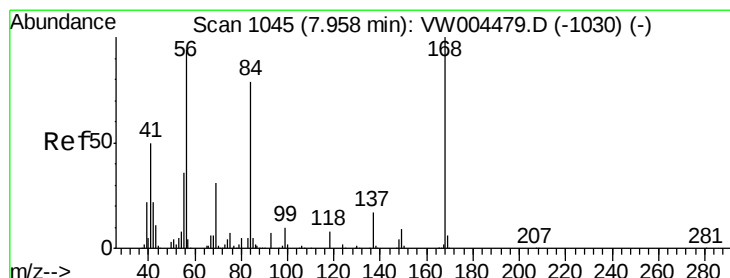
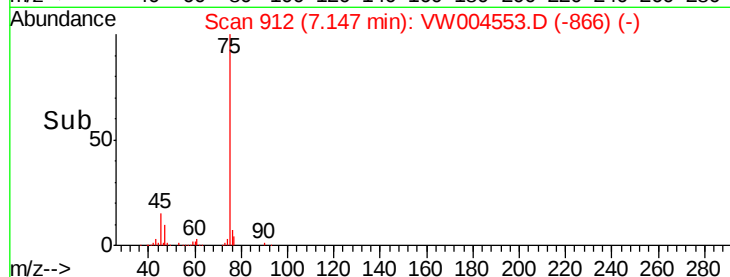
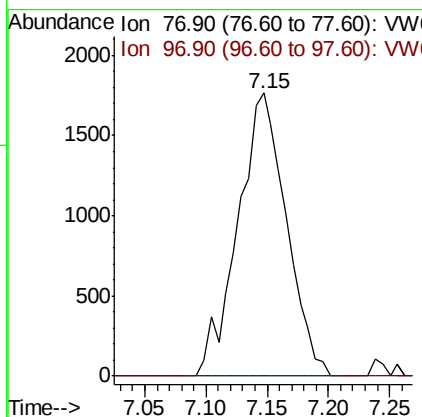
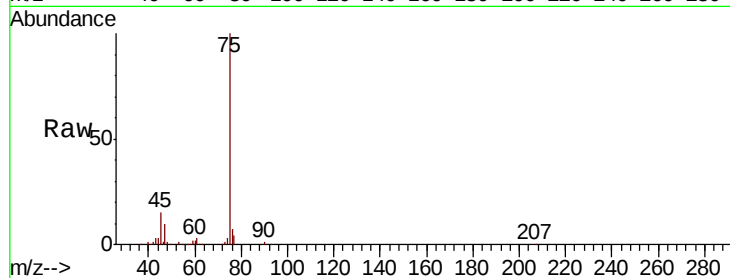




#26
 2,2-Dichloropropane
 Concen: 2.191 ug/l
 RT: 7.15 min Scan# 912
 Delta R.T. -0.02 min
 Lab File: VW004553.D
 Acq: 09 Aug 2018 02:45

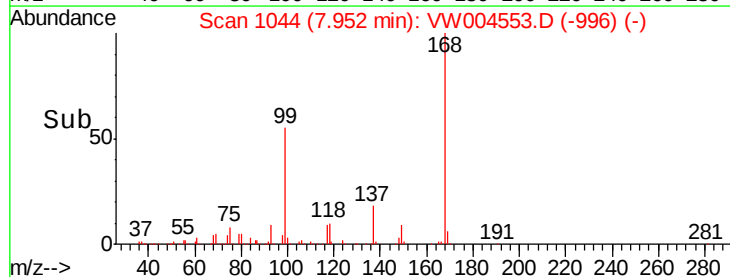
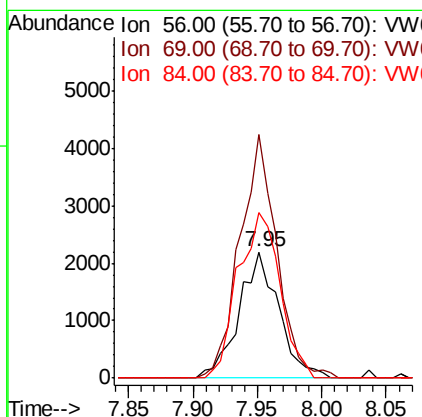
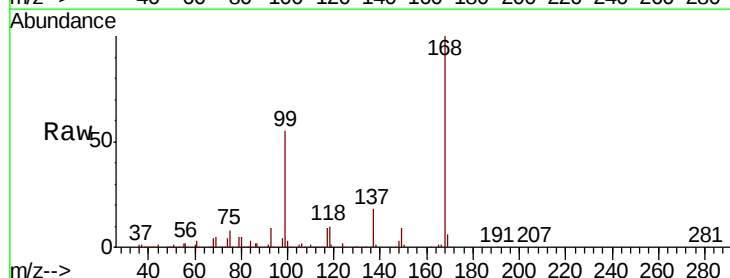
Instrument :
 MSVOA_W
 ClientSampleId :
 C-1RE

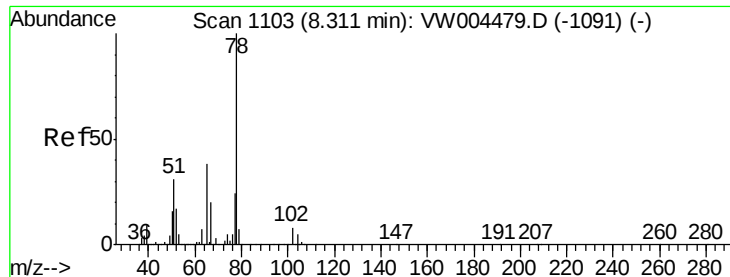
Tgt Ion: 77 Resp: 4860
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.5 37.5#



#31
 Cyclohexane
 Concen: 1.162 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.01 min
 Lab File: VW004553.D
 Acq: 09 Aug 2018 02:45

Tgt Ion: 56 Resp: 4701
 Ion Ratio Lower Upper
 56 100
 69 192.5 26.4 39.6#
 84 131.0 66.9 100.3#

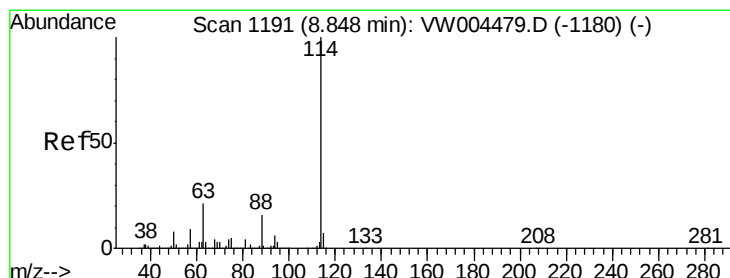
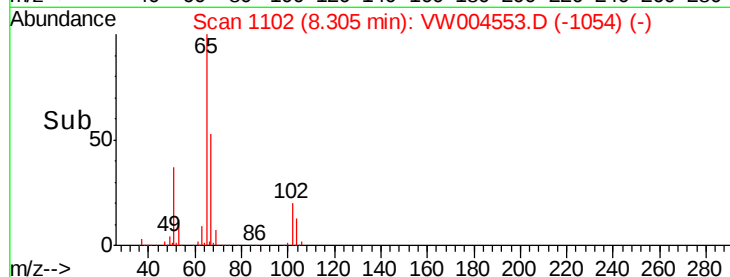
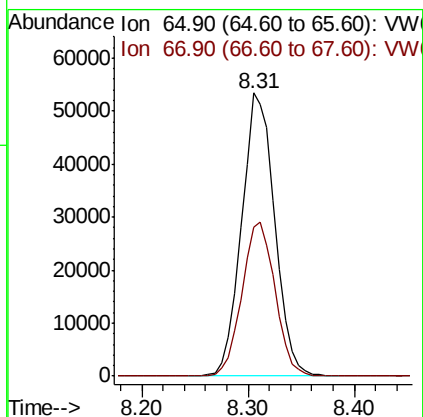
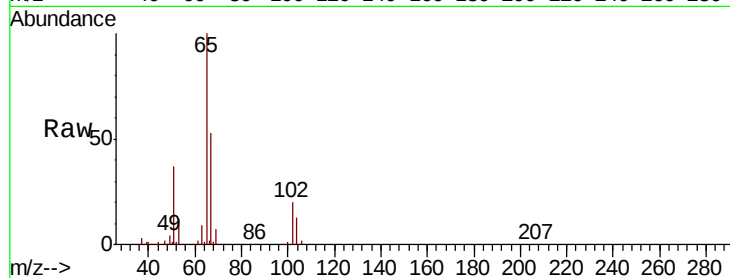




#33
 1,2-Dichloroethane-d4
 Concen: 54.063 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.01 min
 Lab File: VW004553.D
 Acq: 09 Aug 2018 02:45

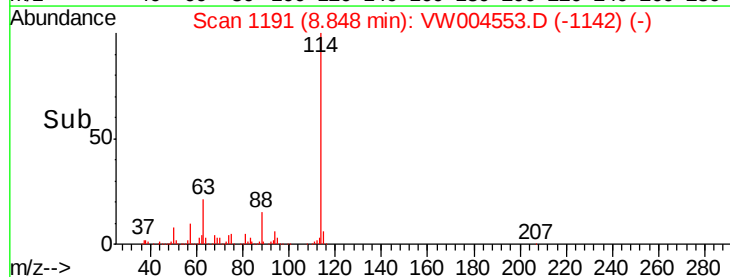
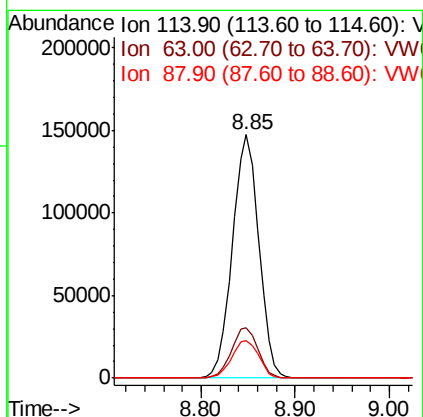
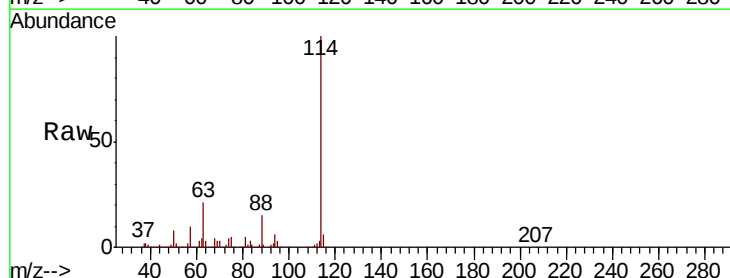
Instrument :
 MSVOA_W
 ClientSampleId :
 C-1RE

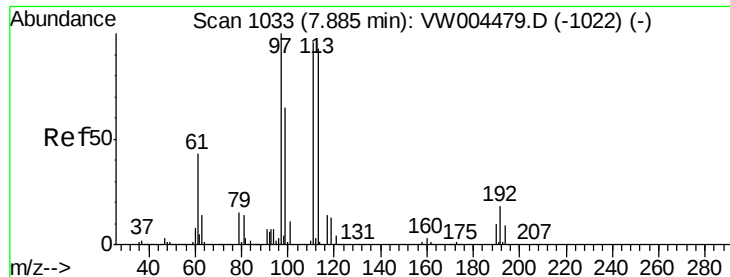
Tgt Ion: 65 Resp: 116725
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004553.D
 Acq: 09 Aug 2018 02:45

Tgt Ion: 114 Resp: 287560
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.4
 88 15.3 0.0 31.2





#35

Dibromofluoromethane

Concen: 54.871 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW004553.D

Acq: 09 Aug 2018 02:45

Instrument :
MSVOA_W
ClientSampleId :
C-1RE

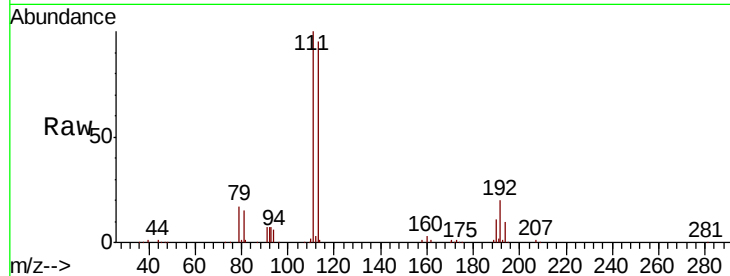
Tgt Ion: 113 Resp: 105208

Ion Ratio Lower Upper

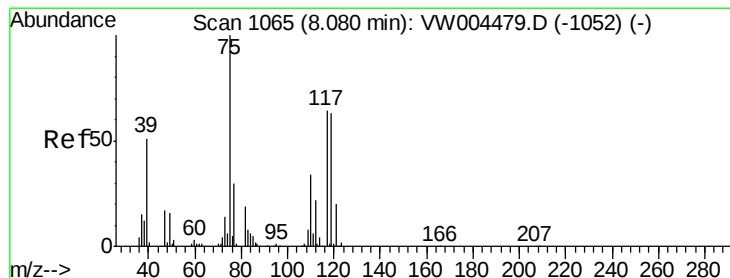
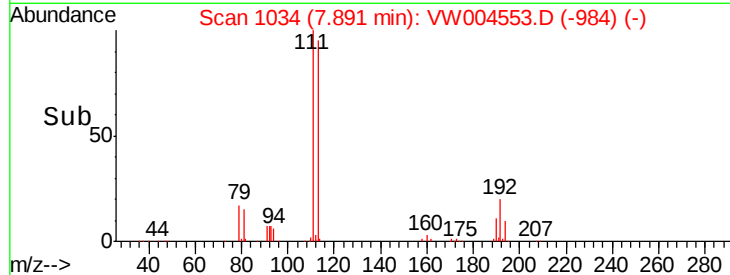
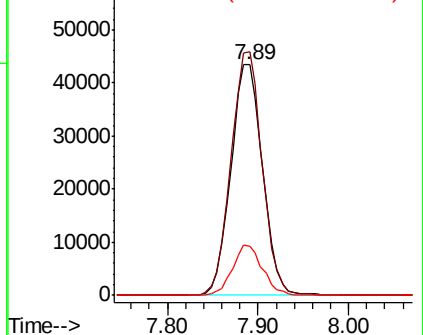
113 100

111 103.6 82.9 124.3

192 20.5 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: 5.141 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004553.D

Acq: 09 Aug 2018 02:45

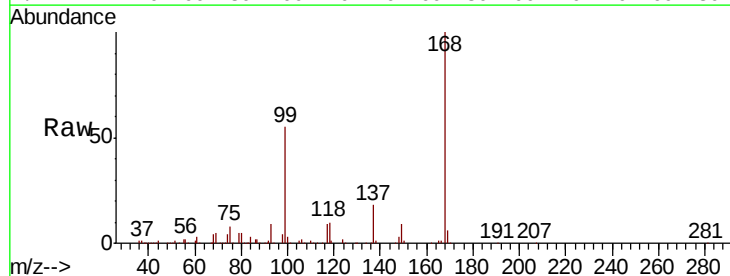
Tgt Ion: 75 Resp: 15917

Ion Ratio Lower Upper

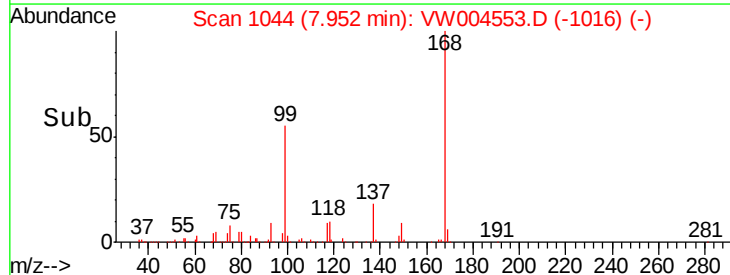
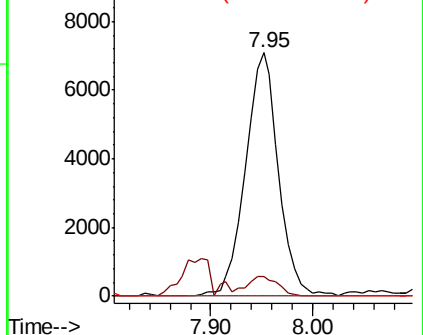
75 100

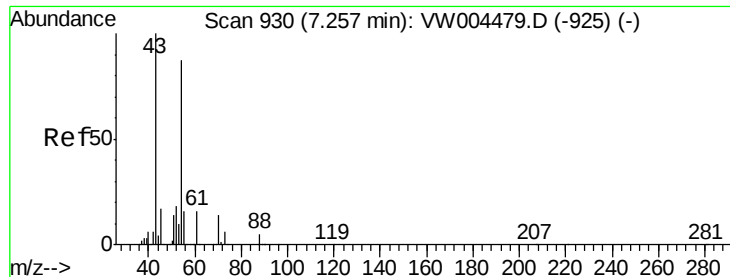
110 7.1 17.4 52.2#

77 0.0 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





#37

Ethyl Acetate

Concen: 2.920 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.10 min

Lab File: VW004553.D

Acq: 09 Aug 2018 02:45

Instrument :

MSVOA_W

ClientSampleId :

C-1RE

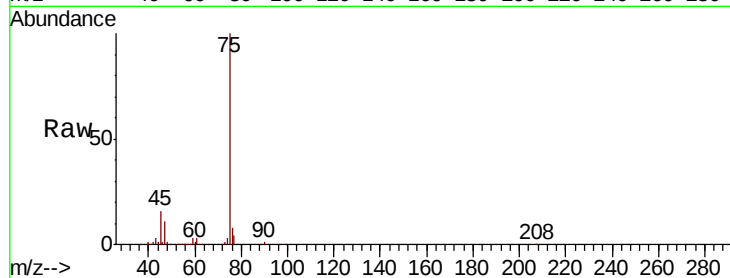
Tgt Ion: 43 Resp: 4234

Ion Ratio Lower Upper

43 100

61 95.1 11.9 17.9#

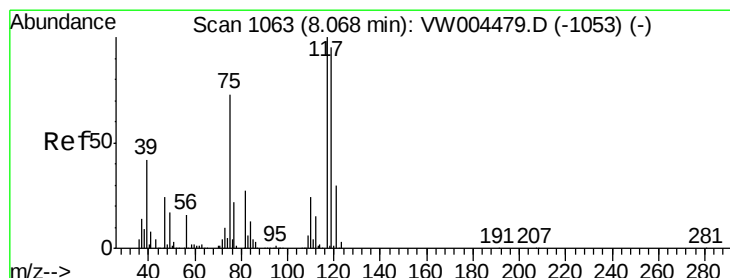
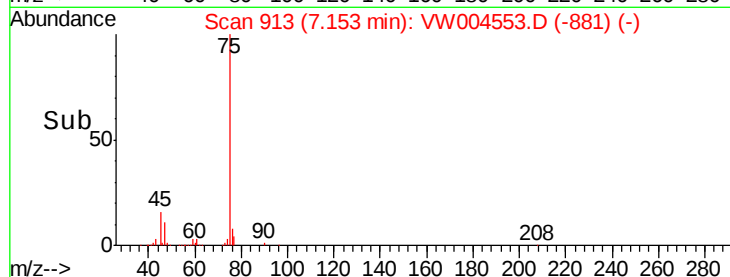
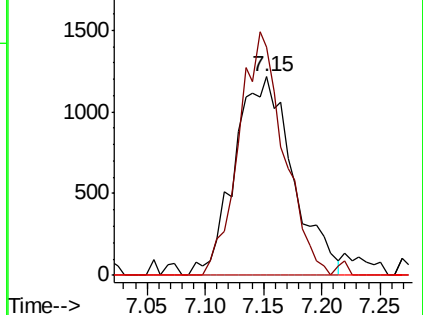
70 0.0 8.2 12.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.557 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004553.D

Acq: 09 Aug 2018 02:45

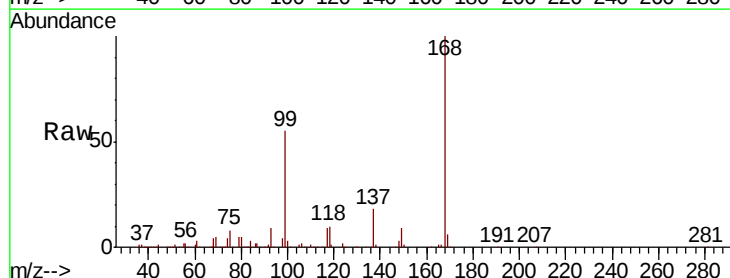
Tgt Ion: 117 Resp: 18268

Ion Ratio Lower Upper

117 100

119 6.4 76.1 114.1#

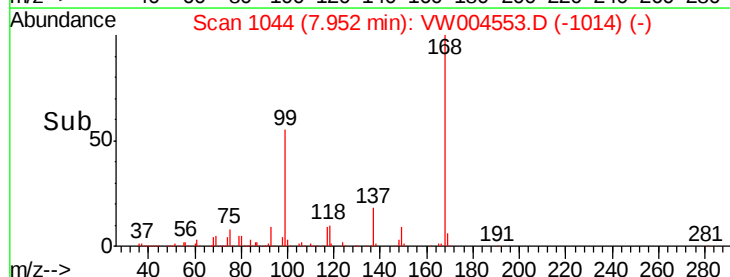
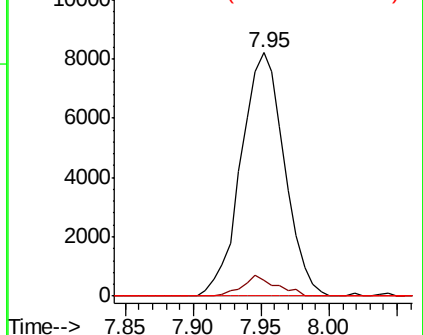
121 0.0 24.2 36.4#

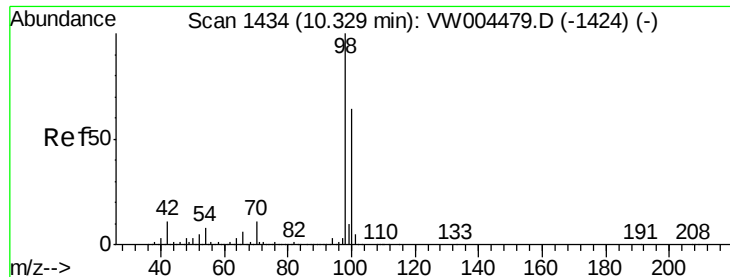


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 38.009 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004553.D

Acq: 09 Aug 2018 02:45

Instrument :

MSVOA_W

ClientSampled :

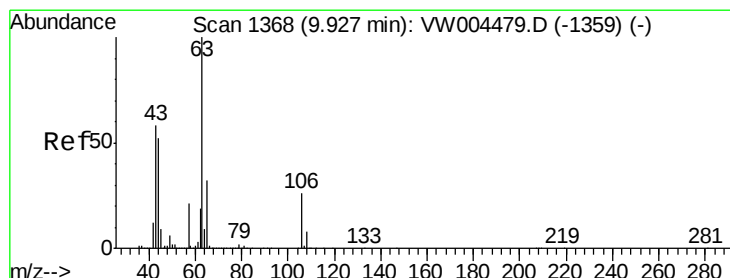
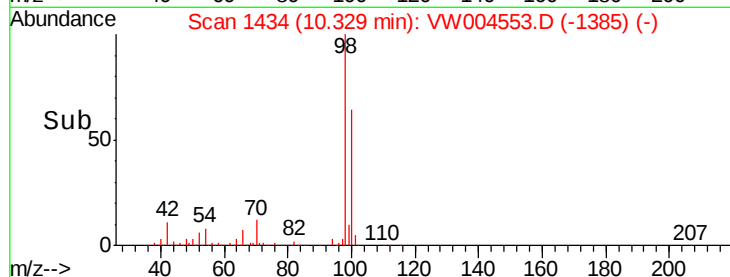
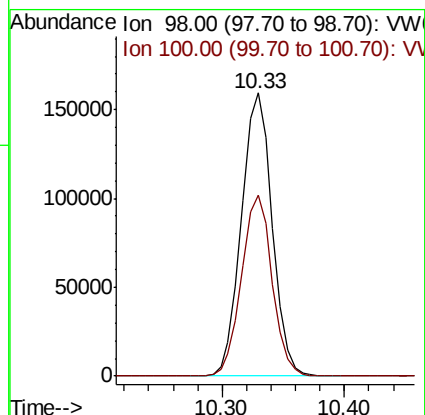
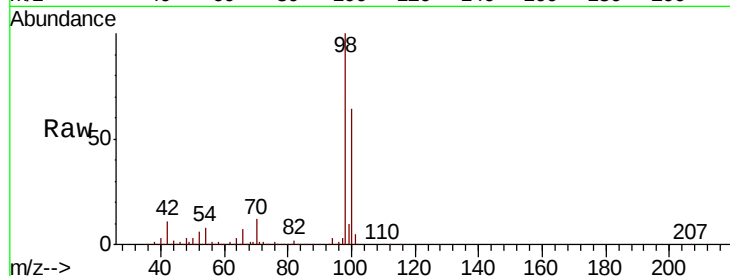
C-1RE

Tgt Ion: 98 Resp: 277837

Ion Ratio Lower Upper

98 100

100 63.4 51.4 77.2



#58

2-Chloroethyl Vinyl ether

Concen: 9.014 ug/l

RT: 9.93 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VW004553.D

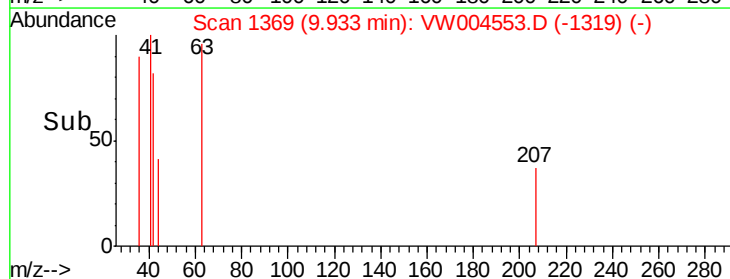
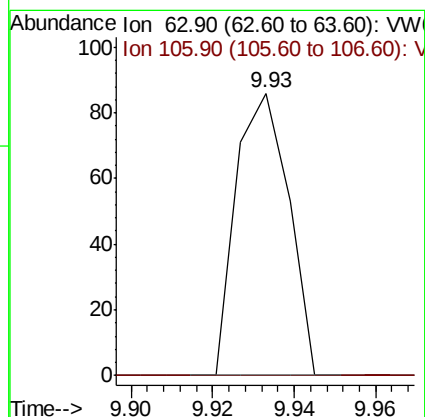
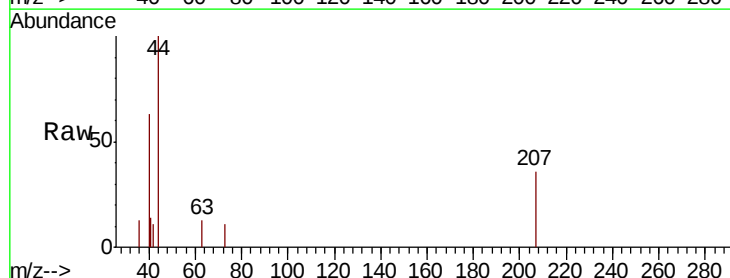
Acq: 09 Aug 2018 02:45

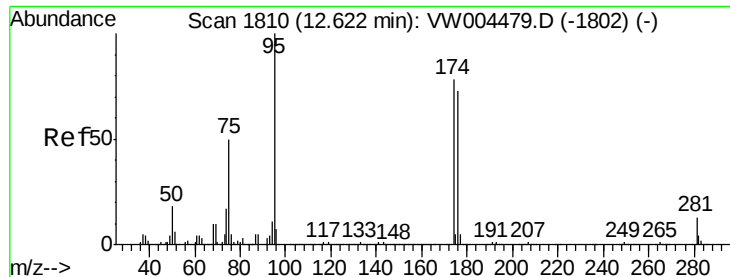
Tgt Ion: 63 Resp: 77

Ion Ratio Lower Upper

63 100

106 0.0 21.3 31.9#

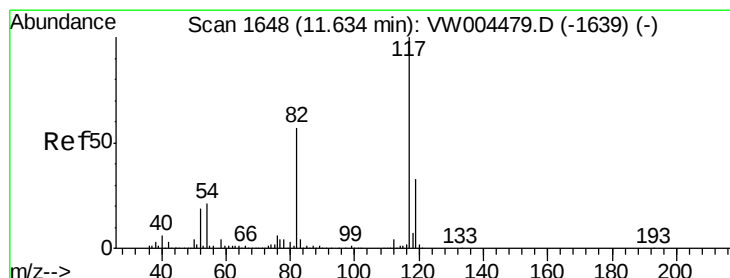
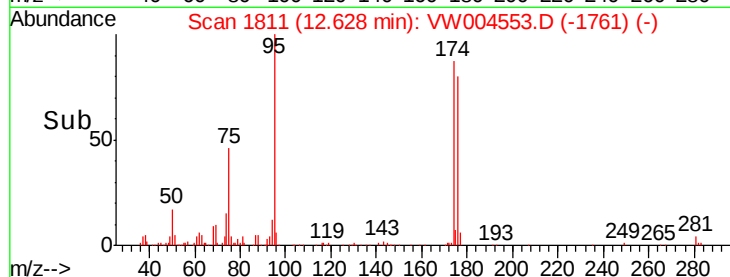
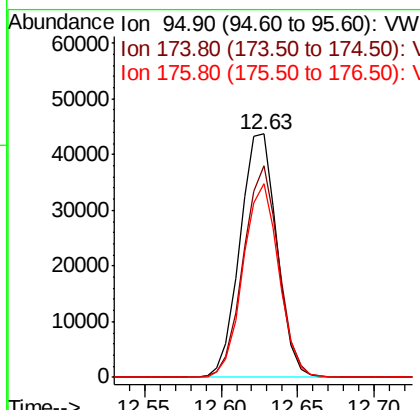
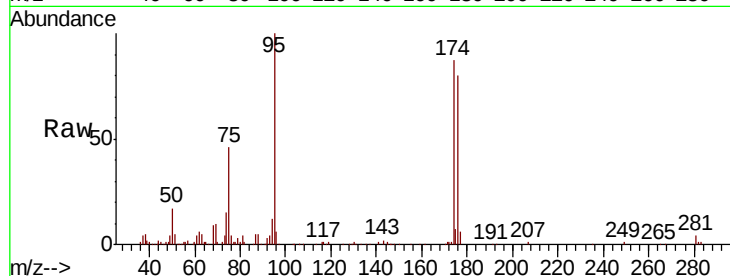




#62
4-Bromofluorobenzene
Concen: 27.815 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW004553.D
Acq: 09 Aug 2018 02:45

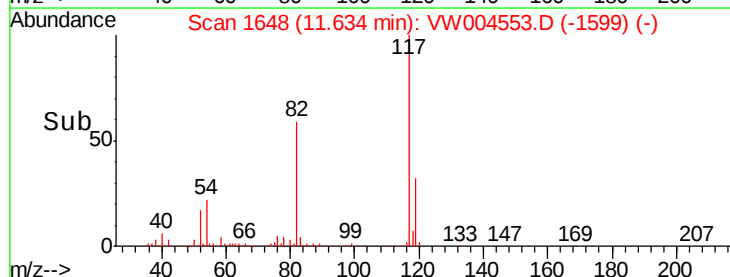
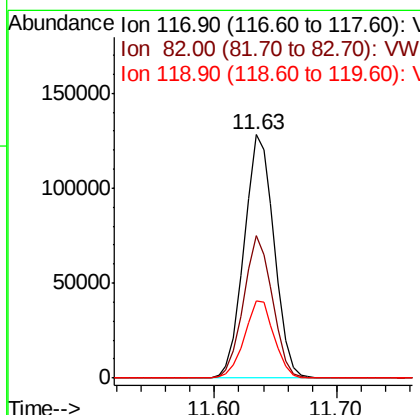
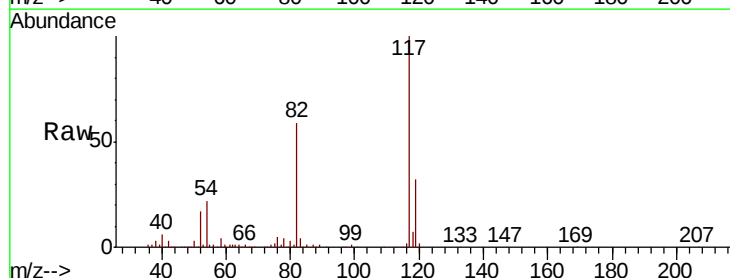
Instrument :
MSVOA_W
ClientSampleId :
C-1RE

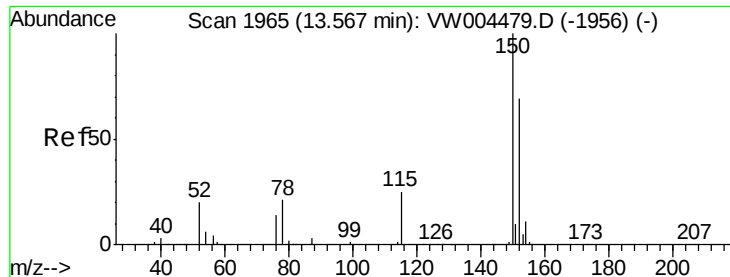
Tgt Ion: 95 Resp: 73239
Ion Ratio Lower Upper
95 100
174 83.3 0.0 160.4
176 77.6 0.0 153.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004553.D
Acq: 09 Aug 2018 02:45

Tgt Ion: 117 Resp: 217855
Ion Ratio Lower Upper
117 100
82 58.5 45.3 67.9
119 31.8 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: VW004553.D

Acq: 09 Aug 2018 02:45

Instrument :

MSVOA_W

ClientSampled :

C-1RE

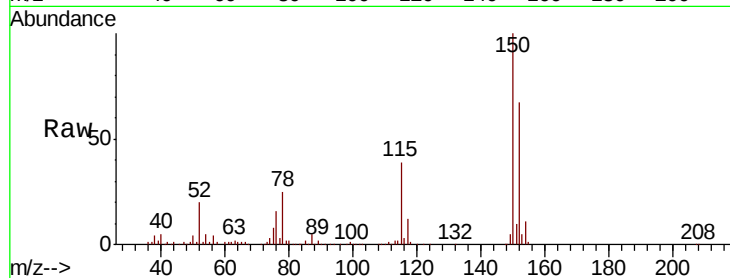
Tgt Ion:152 Resp: 71459

Ion Ratio Lower Upper

152 100

115 57.9 29.1 87.3

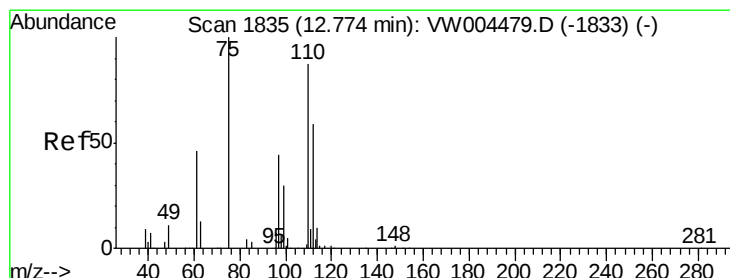
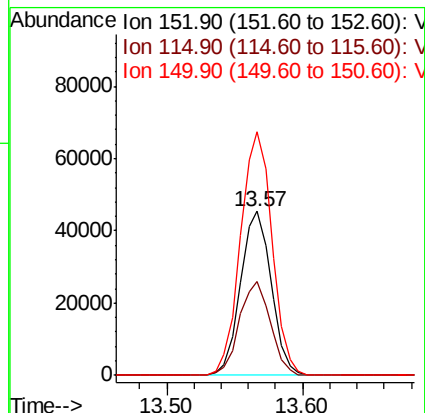
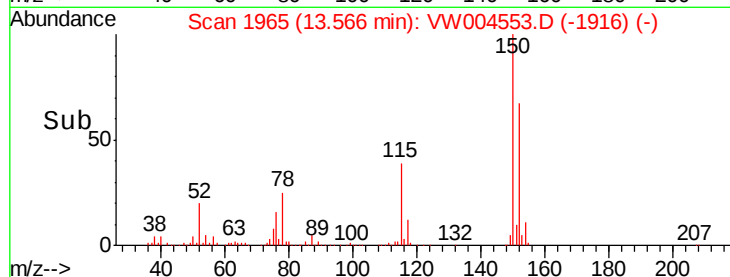
150 152.7 0.0 349.6



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: 48.090 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004553.D

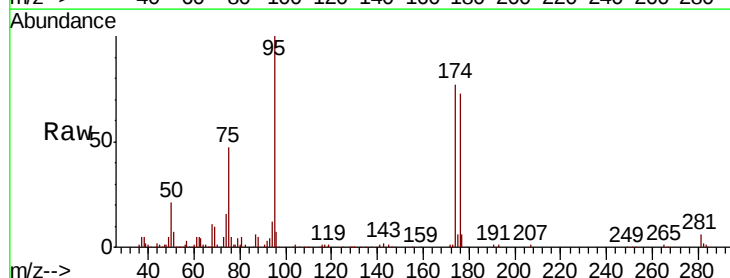
Acq: 09 Aug 2018 02:45

Tgt Ion: 75 Resp: 35560

Ion Ratio Lower Upper

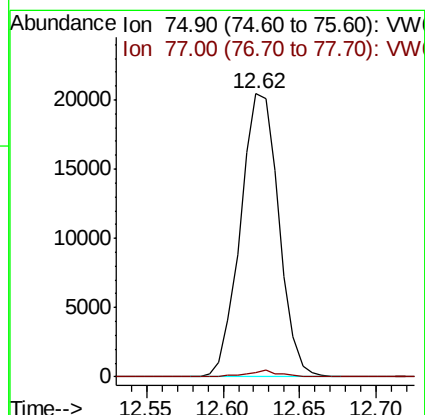
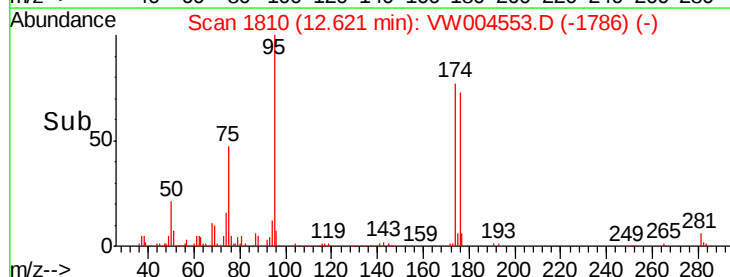
75 100

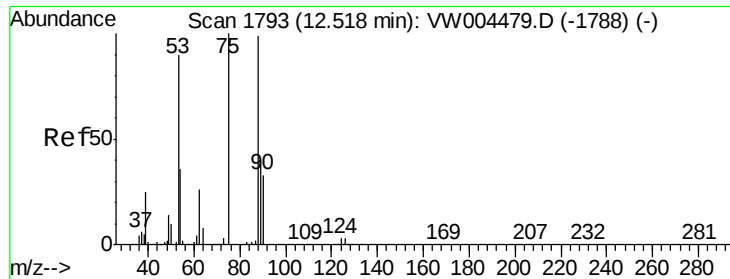
77 2.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 115.122 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004553.D

Acq: 09 Aug 2018 02:45

Instrument :

MSVOA_W

ClientSampleId :

C-1RE

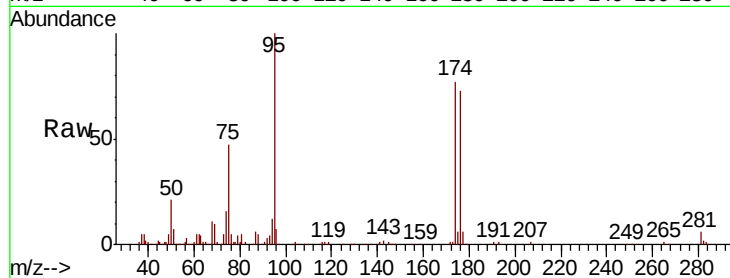
Tgt Ion: 75 Resp: 35560

Ion Ratio Lower Upper

75 100

53 0.6 74.4 111.6#

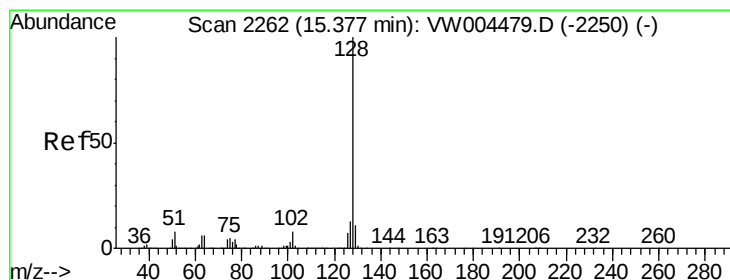
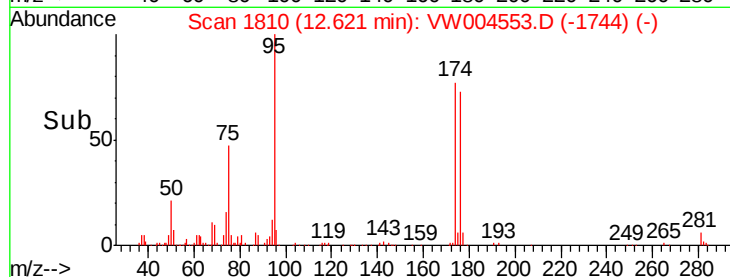
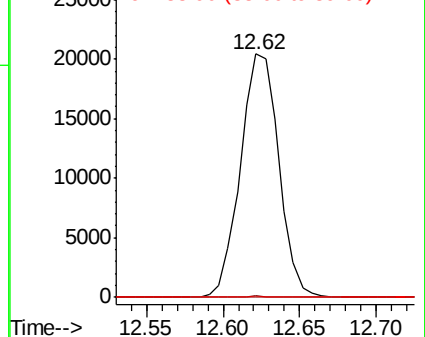
89 0.1 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#95

Naphthalene

Concen: 3.077 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004553.D

Acq: 09 Aug 2018 02:45

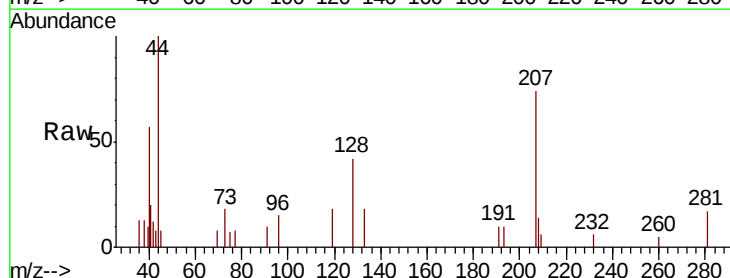
Tgt Ion: 128 Resp: 549

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 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

