

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032919\
 Data File : VW009571.D
 Acq On : 29 Mar 2019 14:53
 Operator : SY/VA
 Sample : VW0329SBL01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBL01

Quant Time: Mar 29 15:12:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:17:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	266545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	433116	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	388799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	185078	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	169279	55.54	ug/l	0.00
Spiked Amount 50.000			Recovery =	111.08%		
35) Dibromofluoromethane	7.88	113	146181	53.74	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.48%		
50) Toluene-d8	10.32	98	530552	52.77	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.54%		
62) 4-Bromofluorobenzene	12.62	95	180925	48.23	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.46%		

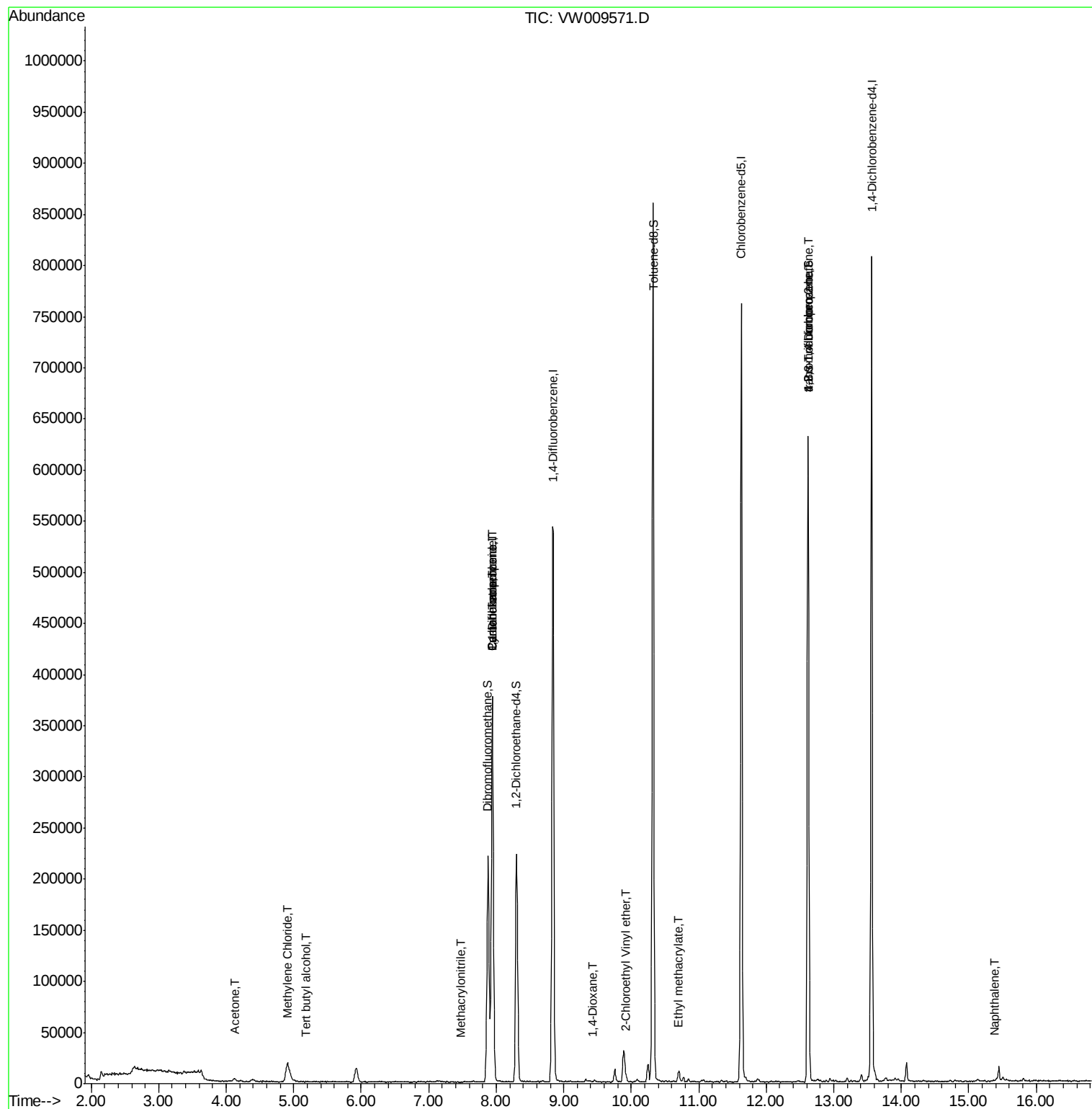
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	406	Below Cal	#	36
11) Tert butyl alcohol	5.17	59	267	1.511	ug/l #	70
16) Acetone	4.12	43	5635	8.223	ug/l #	87
20) Methylene Chloride	4.91	84	15753	2.147	ug/l #	83
31) Cyclohexane	7.94	56	7561	1.508	ug/l #	35
36) 1,1-Dichloropropene	7.94	75	22520	5.027	ug/l #	51
38) Carbon Tetrachloride	7.94	117	27736	6.042	ug/l #	18
41) Methacrylonitrile	7.48	41	34	3.944	ug/l #	1
49) 1,4-Dioxane	9.43	88	30	1.197	ug/l #	1
56) Ethyl methacrylate	10.69	69	118	3.831	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.93	63	326	17.217	ug/l #	46
76) 1,2,3-Trichloropropane	12.62	75	102733	31.333	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	102733	137.265	ug/l #	7
95) Naphthalene	15.37	128	921	2.844	ug/l #	80

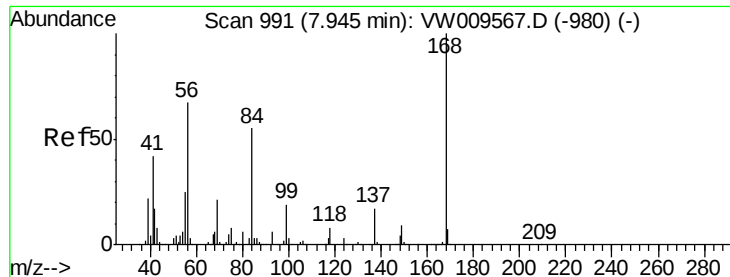
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW032919\
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Quant Title : SW846 8260
QLast Update : Fri Mar 29 13:17:27 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: VW009571.D

Acq: 29 Mar 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

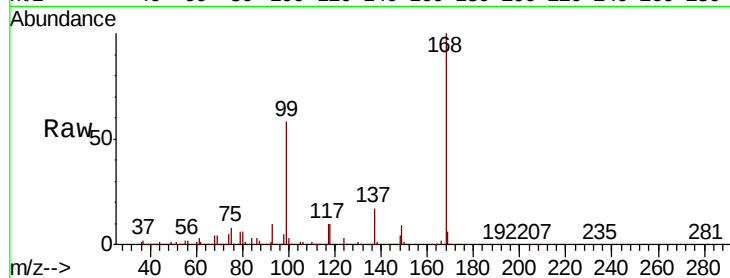
VW0329SBL01

Tgt Ion:168 Resp: 266545

Ion Ratio Lower Upper

168 100

99 57.7 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

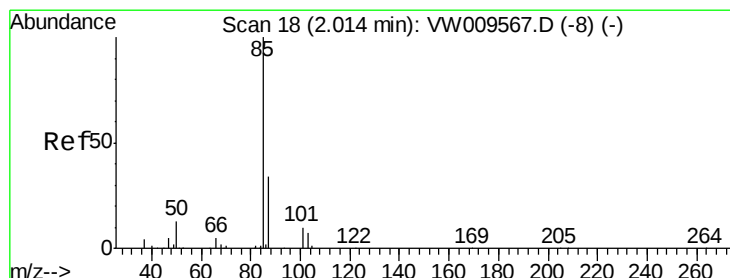
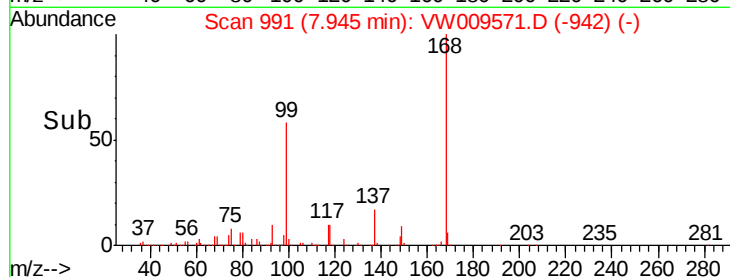
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009571.D

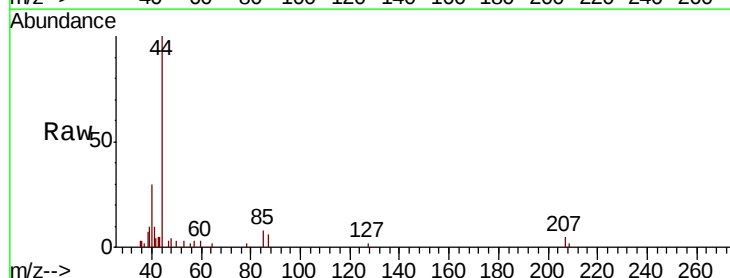
Acq: 29 Mar 2019 14:53

Tgt Ion: 85 Resp: 406

Ion Ratio Lower Upper

85 100

87 69.6 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

200

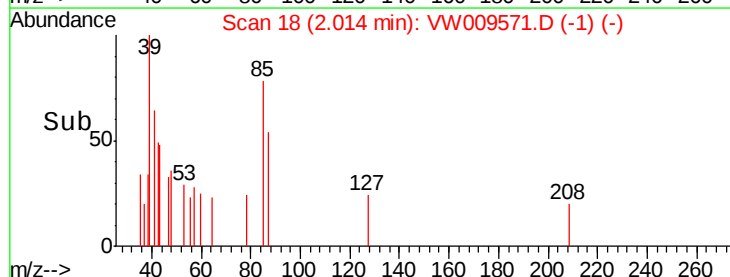
150

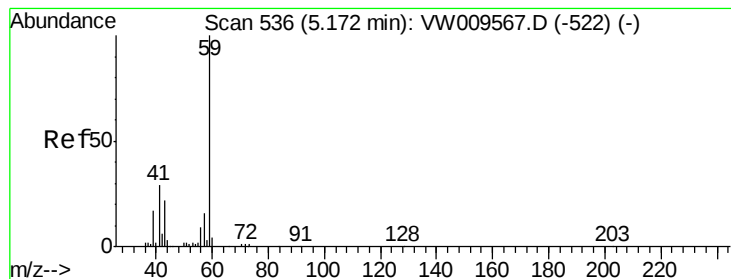
100

50

0

Time--> 1.95 2.00 2.05





#11

Tert butyl alcohol

Concen: 1.511 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.00 min

Lab File: VW009571.D

Acq: 29 Mar 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

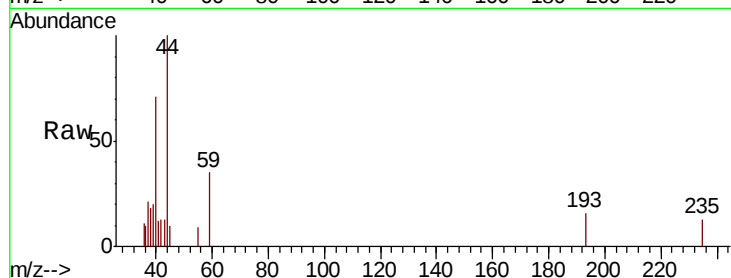
VW0329SBL01

Tgt Ion: 59 Resp: 267

Ion Ratio Lower Upper

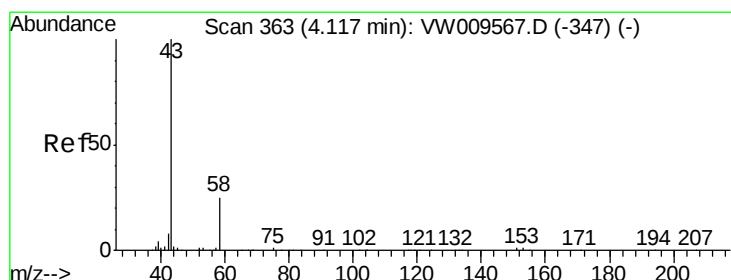
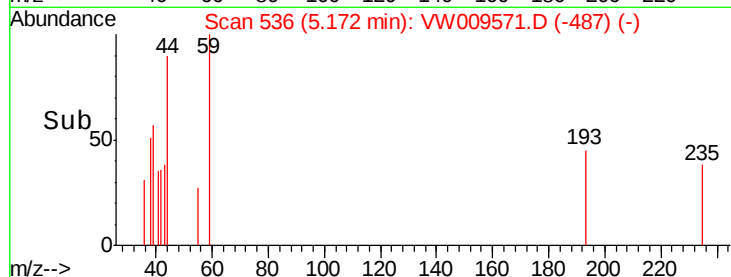
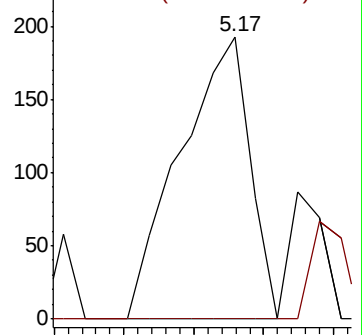
59 100

57 0.0 9.4 14.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#16

Acetone

Concen: 8.223 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW009571.D

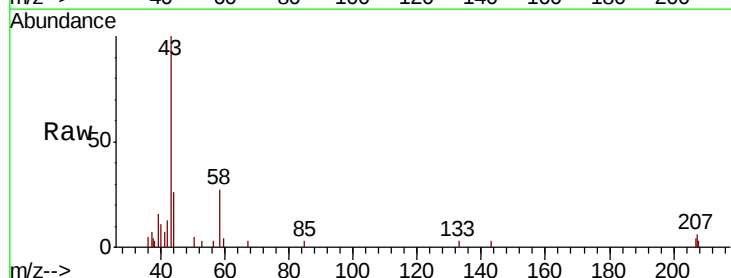
Acq: 29 Mar 2019 14:53

Tgt Ion: 43 Resp: 5635

Ion Ratio Lower Upper

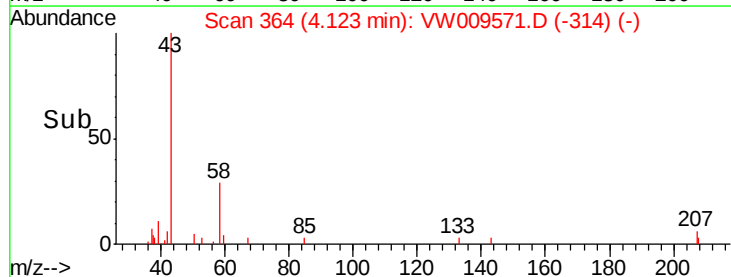
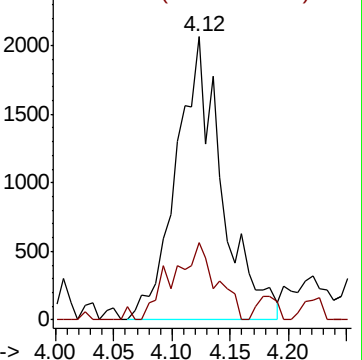
43 100

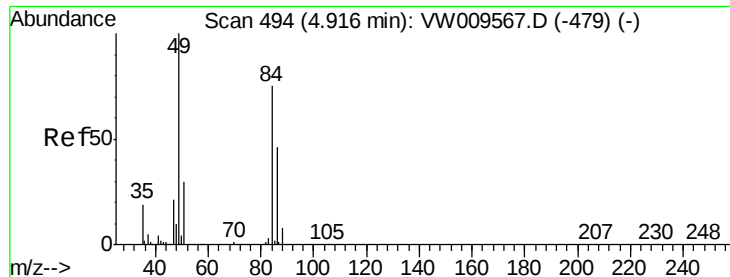
58 22.6 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#20

Methylene Chloride

Concen: 2.147 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW009571.D

Acq: 29 Mar 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBL01

Tgt Ion: 84 Resp: 15753

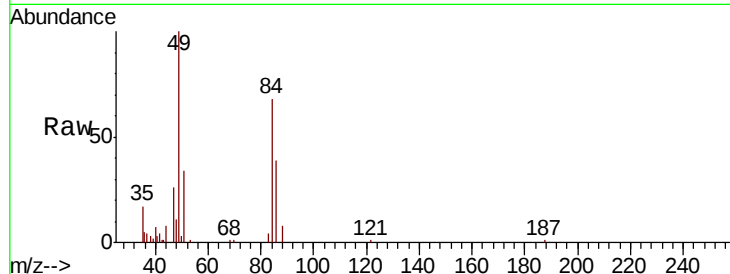
Ion Ratio Lower Upper

84 100

49 147.8 99.1 148.7

51 48.7 28.7 43.1#

86 57.3 50.5 75.7

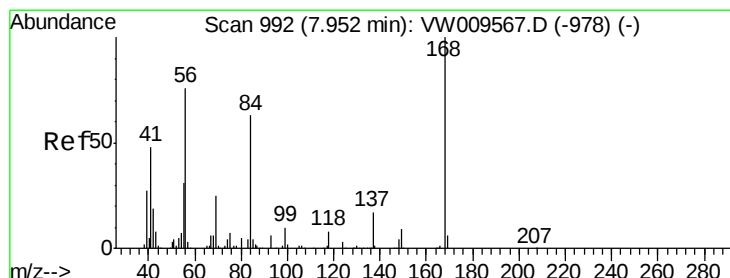
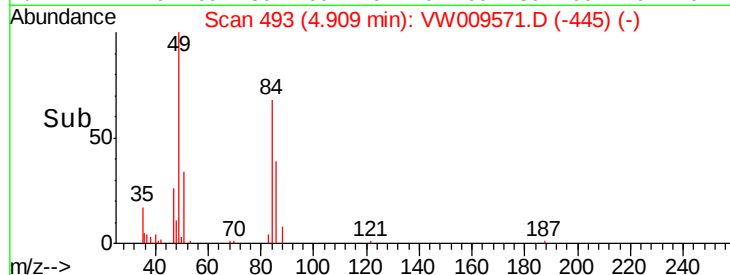
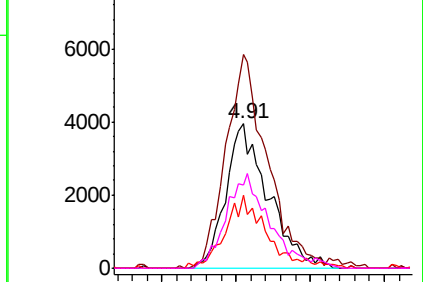


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#31

Cyclohexane

Concen: 1.508 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW009571.D

Acq: 29 Mar 2019 14:53

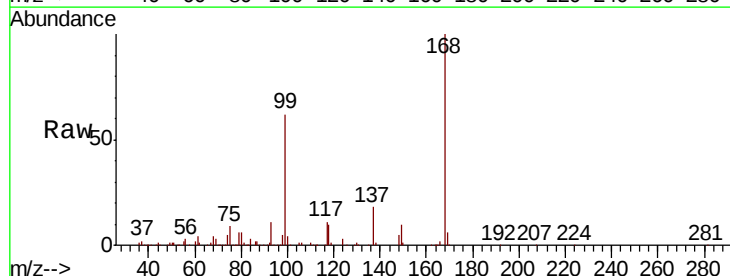
Tgt Ion: 56 Resp: 7561

Ion Ratio Lower Upper

56 100

69 125.8 26.1 39.1#

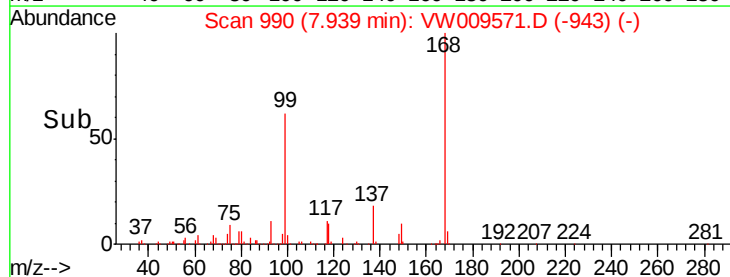
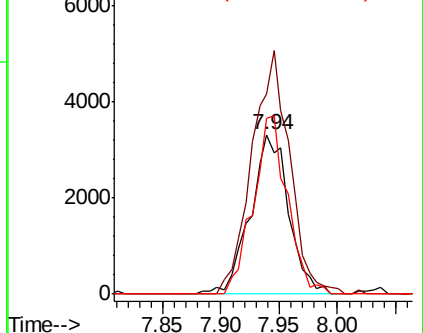
84 110.2 68.6 103.0#

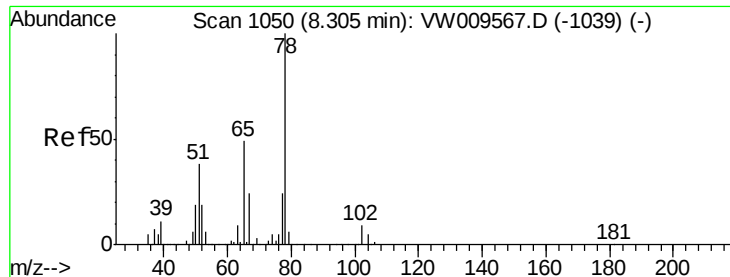


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

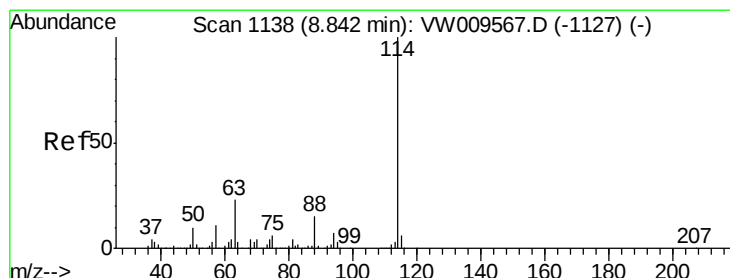
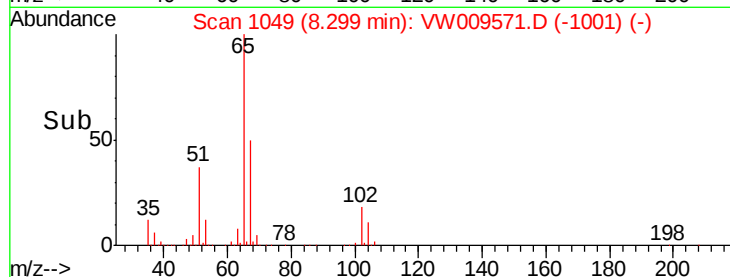
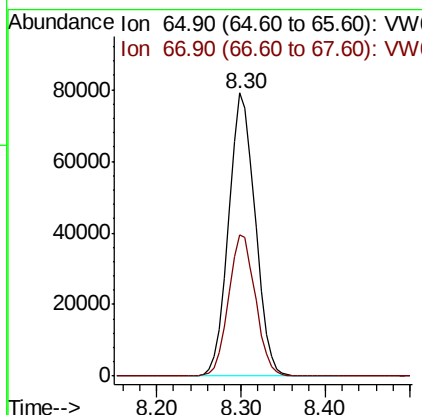
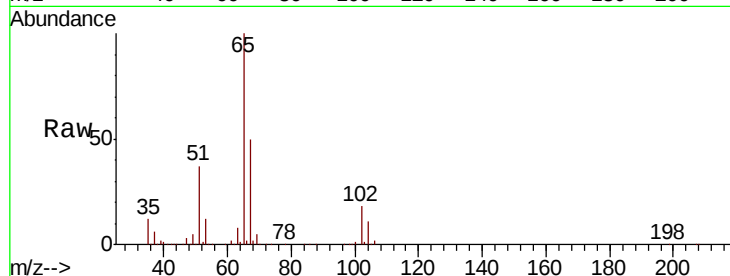




#33
 1,2-Dichloroethane-d4
 Concen: 55.537 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW009571.D
 Acq: 29 Mar 2019 14:53

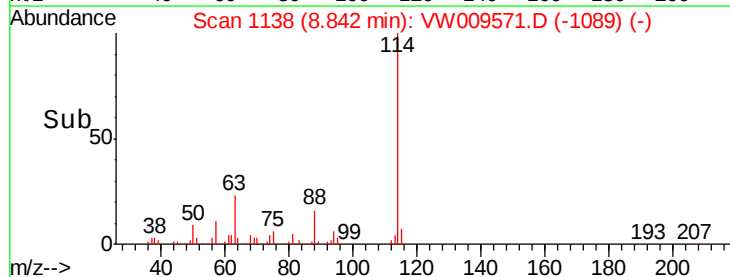
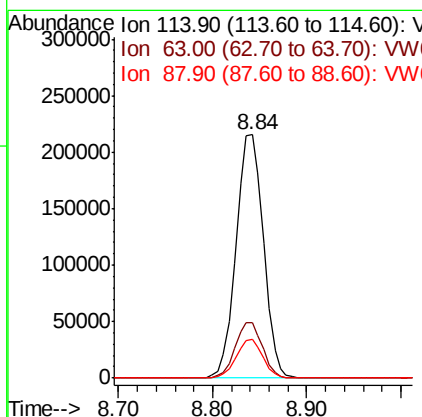
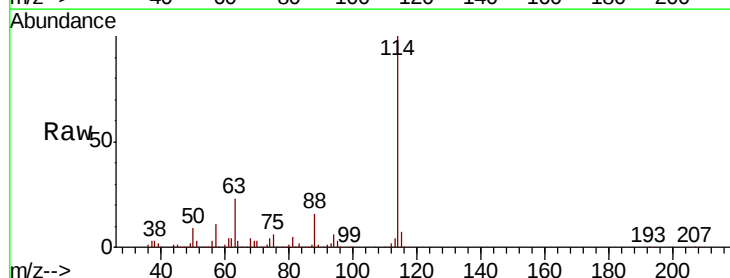
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBL01

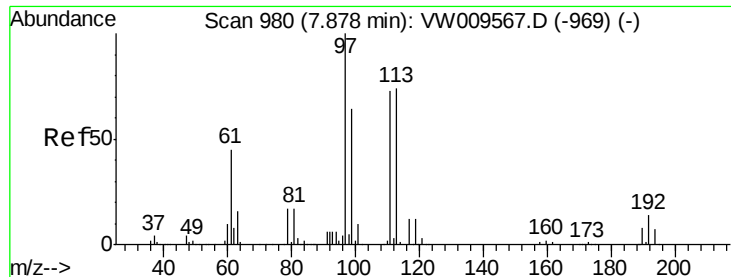
Tgt Ion: 65 Resp: 169279
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009571.D
 Acq: 29 Mar 2019 14:53

Tgt Ion: 114 Resp: 433116
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 42.2
 88 16.1 0.0 30.8

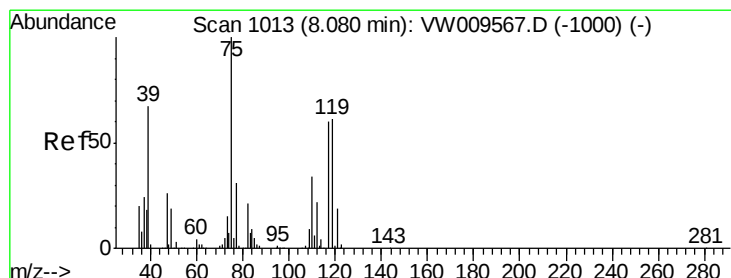
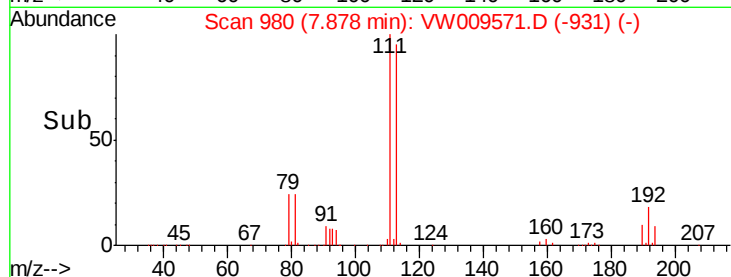
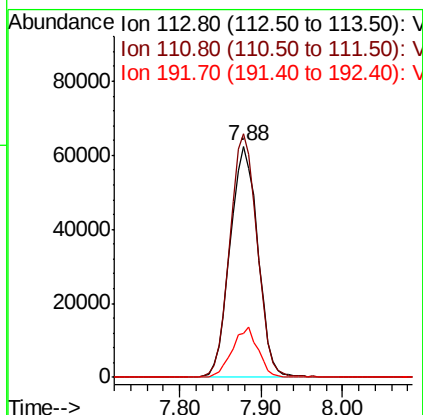
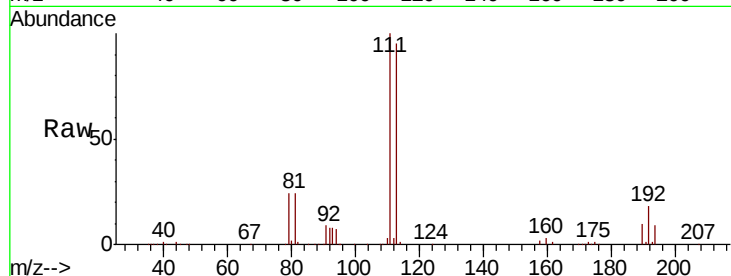




#35
 Dibromofluoromethane
 Concen: 53.737 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW009571.D
 Acq: 29 Mar 2019 14:53

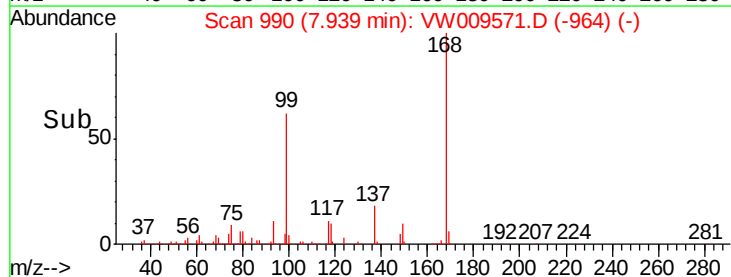
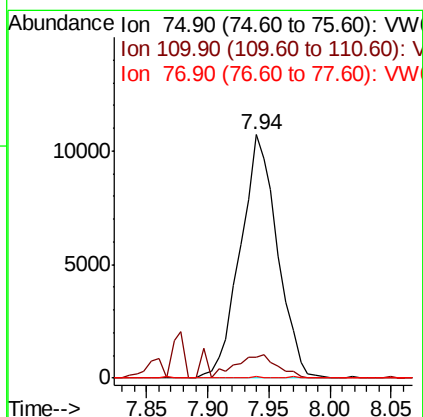
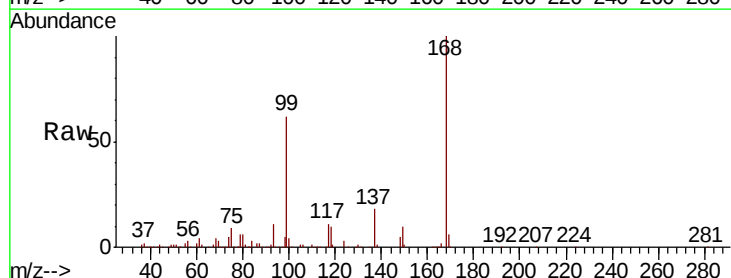
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBL01

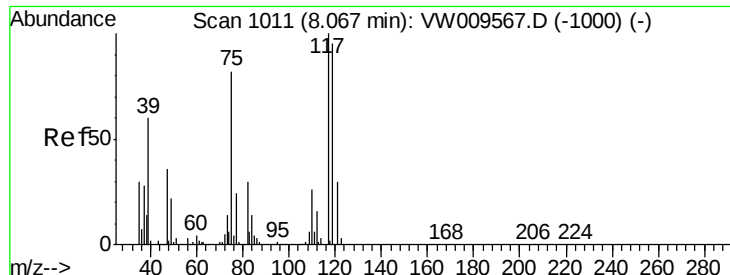
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.6	124.0
192	20.1	16.4	24.6



#36
 1,1-Dichloropropene
 Concen: 5.027 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW009571.D
 Acq: 29 Mar 2019 14:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	16.8	50.4#
77	0.1	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.042 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW009571.D

Acq: 29 Mar 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBL01

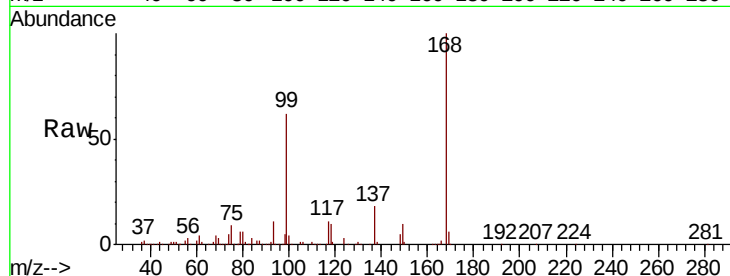
Tgt Ion:117 Resp: 27736

Ion Ratio Lower Upper

117 100

119 7.3 75.4 113.0#

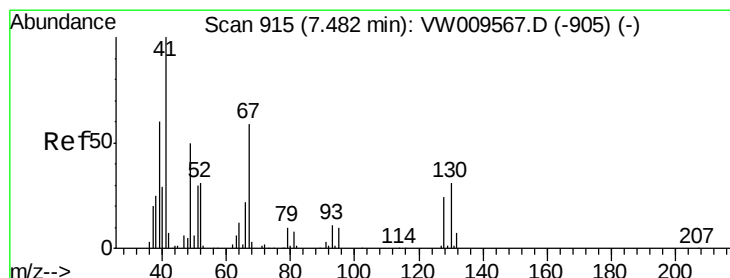
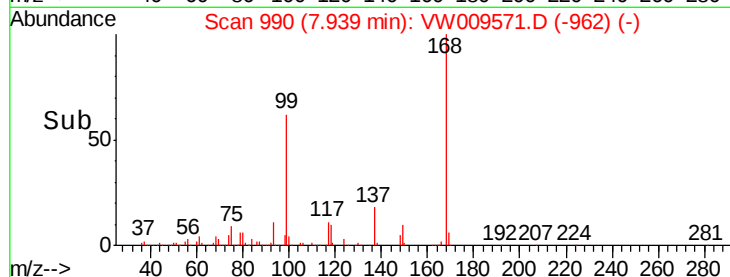
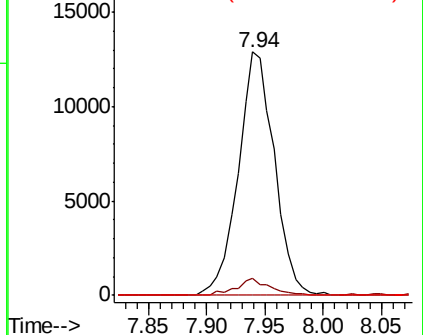
121 0.0 24.9 37.3#



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: 3.944 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW009571.D

Acq: 29 Mar 2019 14:53

Tgt Ion: 41 Resp: 34

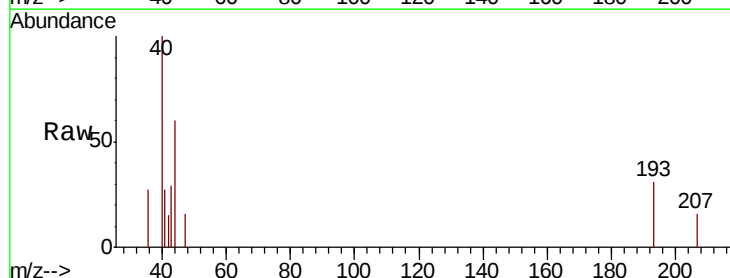
Ion Ratio Lower Upper

41 100

39 479.4 52.5 78.7#

67 0.0 56.6 84.8#

52 0.0 27.2 40.8#

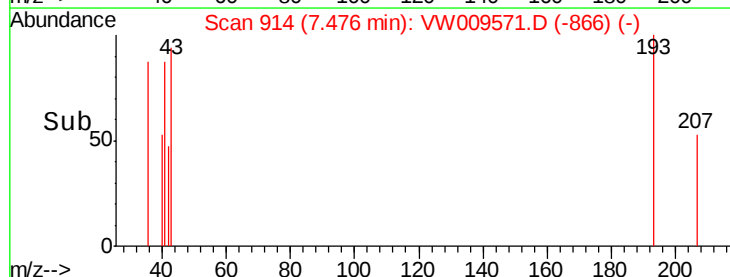
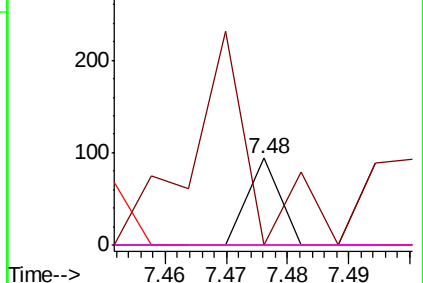


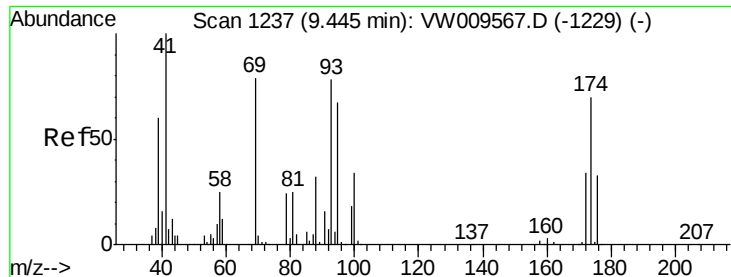
Abundance Ion 41.00 (40.70 to 41.70): VW

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

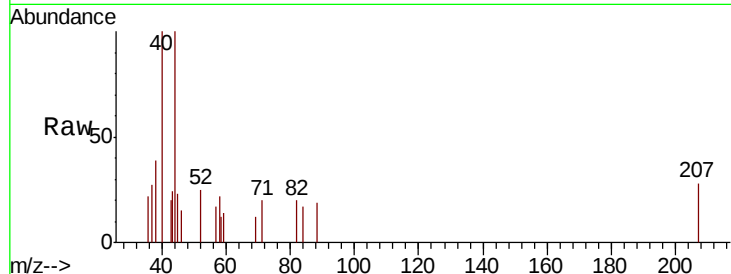




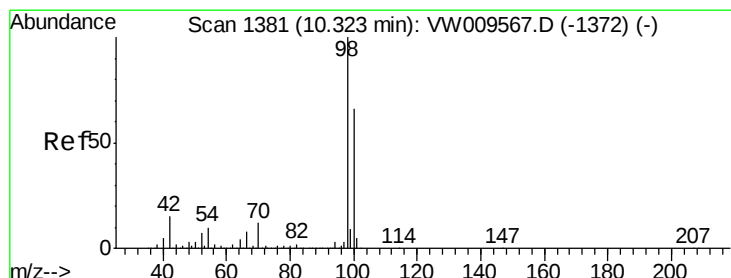
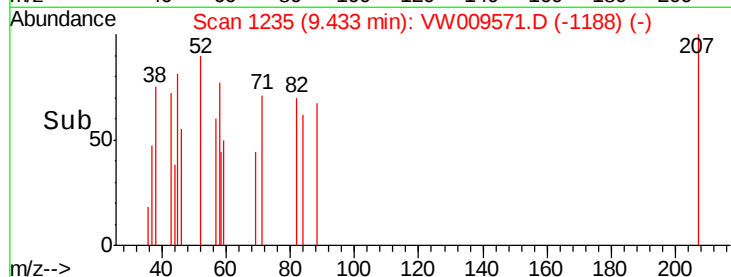
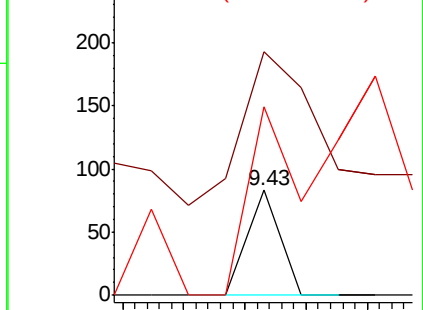
#49
1,4-Dioxane
Concen: 1.197 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW009571.D
Acq: 29 Mar 2019 14:53

Instrument :
MSVOA_W
ClientSampled :
VW0329SBL01

Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 903.3 29.7 44.5#
58 833.3 58.1 87.1#

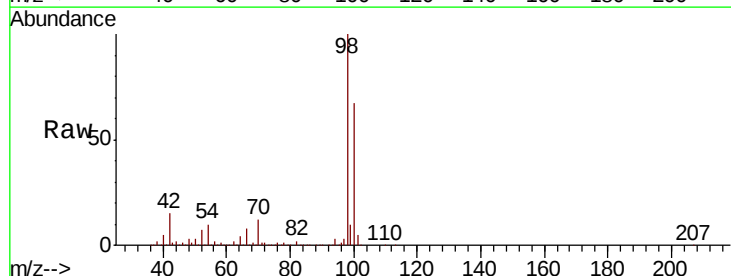


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

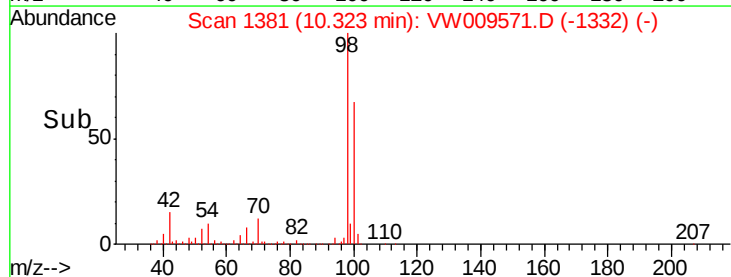
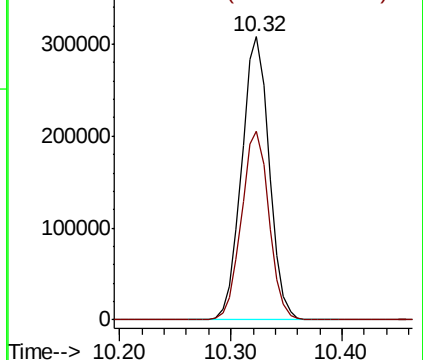


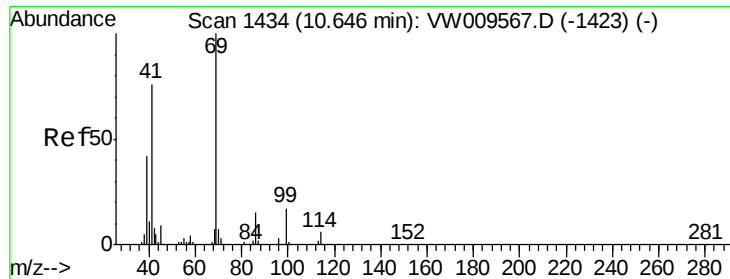
#50
Toluene-d8
Concen: 52.767 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009571.D
Acq: 29 Mar 2019 14:53

Tgt Ion: 98 Resp: 530552
Ion Ratio Lower Upper
98 100
100 66.4 52.6 79.0



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





#56

Ethyl methacrylate

Concen: 3.831 ug/l

RT: 10.69 min Scan# 1442

Delta R.T. 0.05 min

Lab File: VW009571.D

Acq: 29 Mar 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBL01

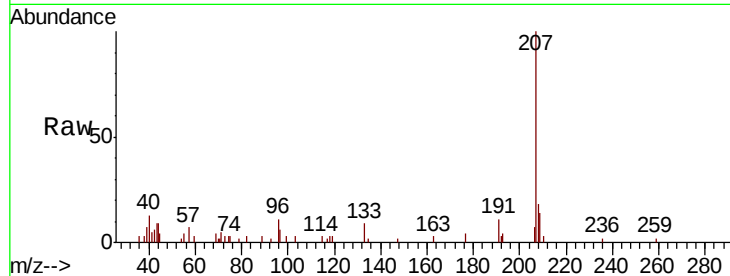
Tgt Ion: 69 Resp: 118

Ion Ratio Lower Upper

69 100

41 129.7 59.3 88.9#

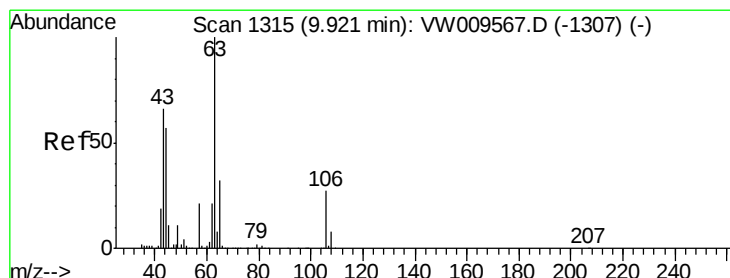
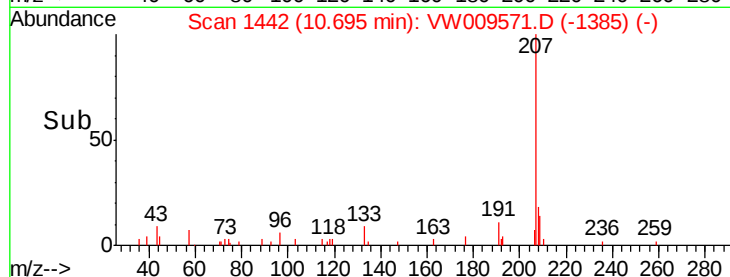
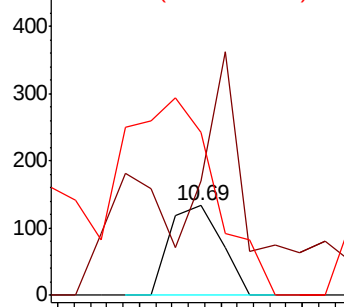
39 377.1 36.2 54.2#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



#58

2-Chloroethyl Vinyl ether

Concen: 17.217 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW009571.D

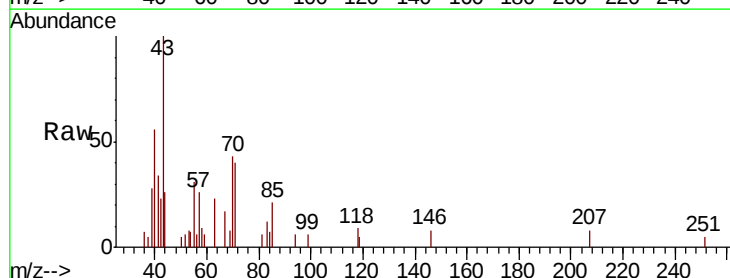
Acq: 29 Mar 2019 14:53

Tgt Ion: 63 Resp: 326

Ion Ratio Lower Upper

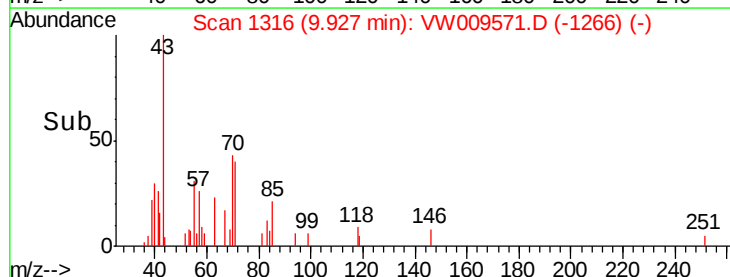
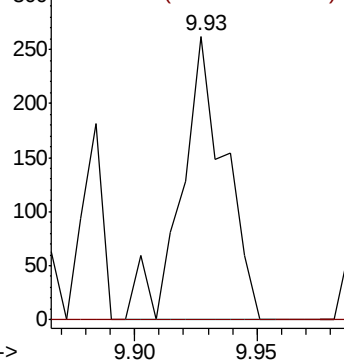
63 100

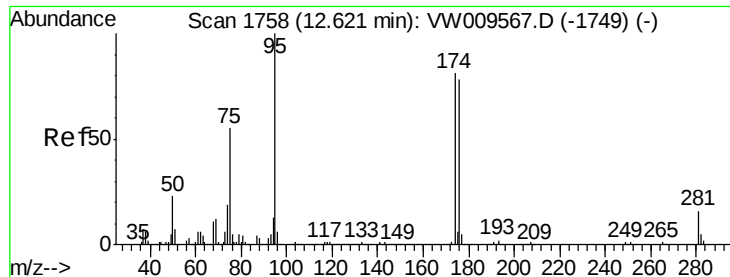
106 0.0 22.9 34.3#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

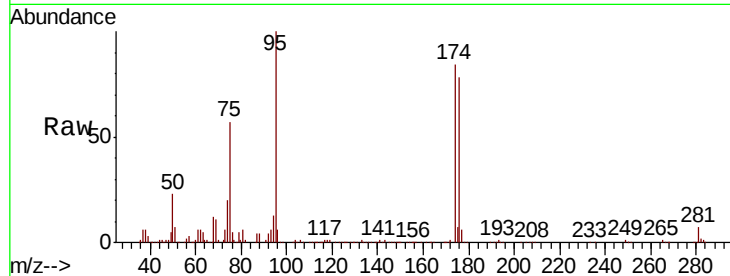




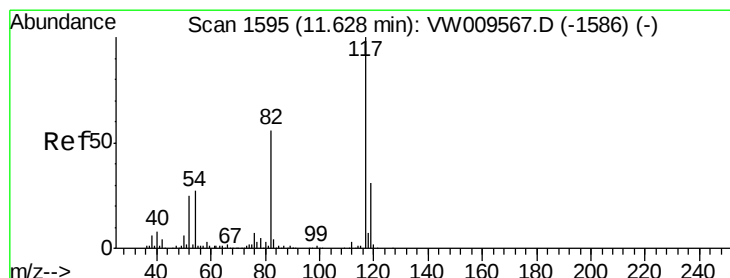
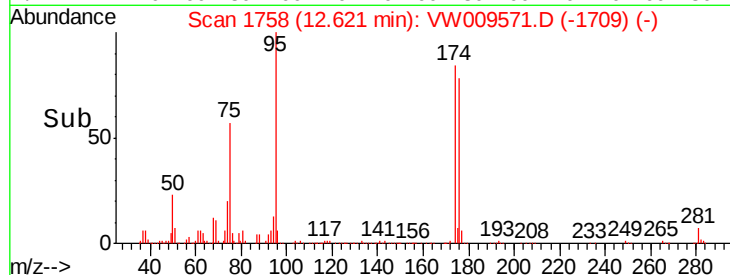
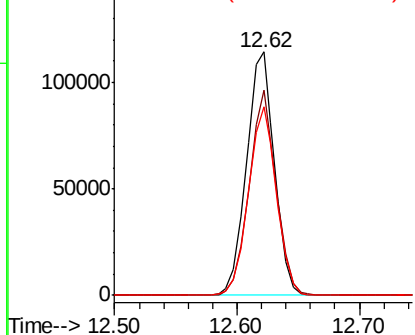
#62
4-Bromofluorobenzene
Concen: 48.235 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW009571.D
Acq: 29 Mar 2019 14:53

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBL01

Tgt Ion: 95 Resp: 180925
Ion Ratio Lower Upper
95 100
174 81.4 0.0 168.4
176 77.8 0.0 161.6

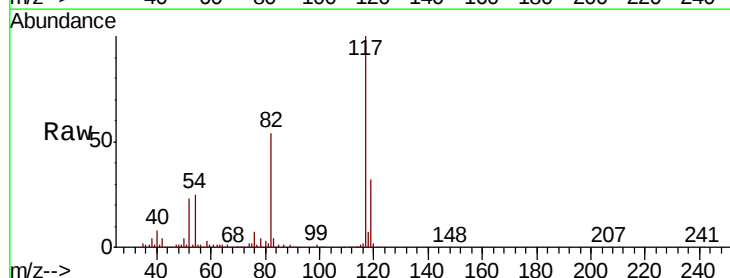


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW

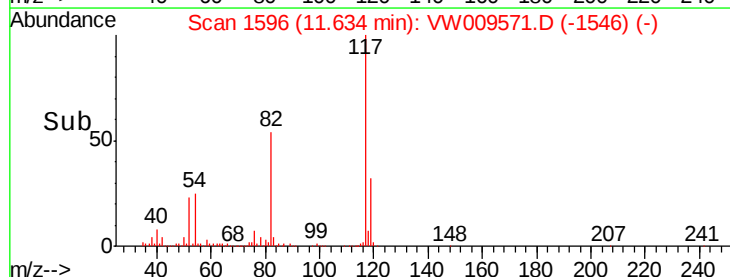
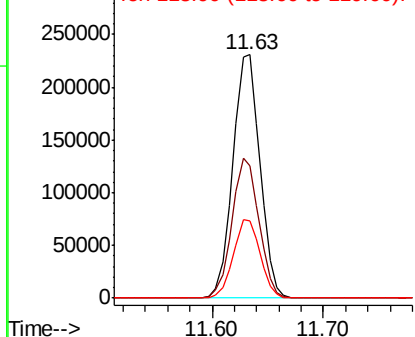


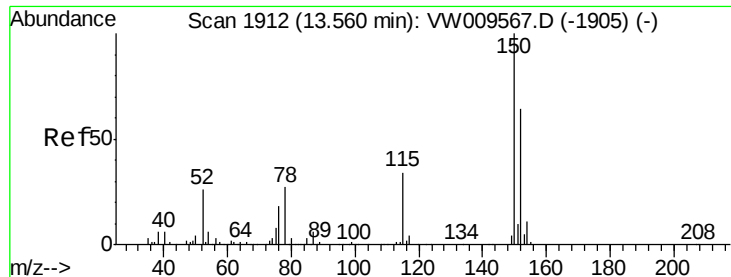
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW009571.D
Acq: 29 Mar 2019 14:53

Tgt Ion: 117 Resp: 388799
Ion Ratio Lower Upper
117 100
82 54.4 43.6 65.4
119 31.7 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): VW
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009571.D

Acq: 29 Mar 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBL01

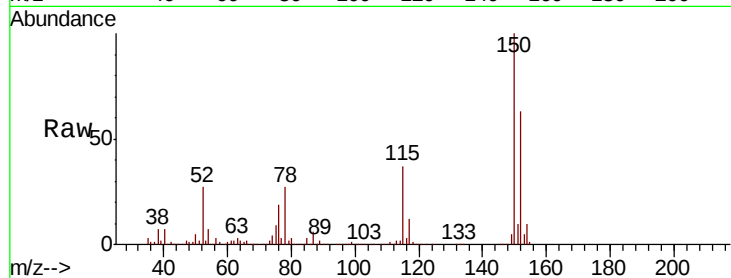
Tgt Ion:152 Resp: 185078

Ion Ratio Lower Upper

152 100

115 59.1 29.6 88.8

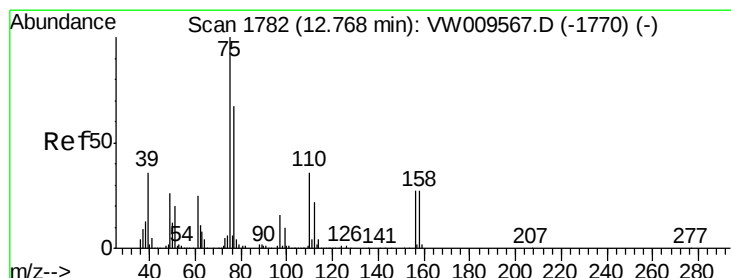
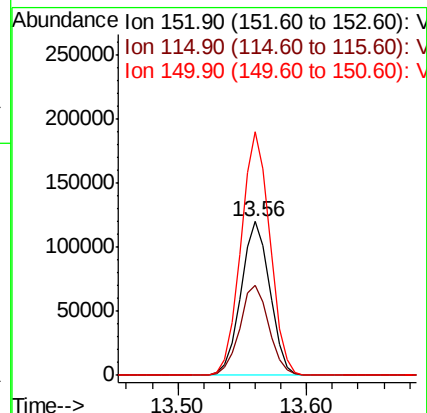
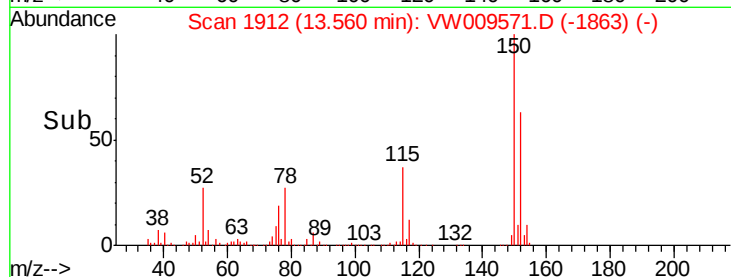
150 159.2 0.0 349.2



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: 31.333 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009571.D

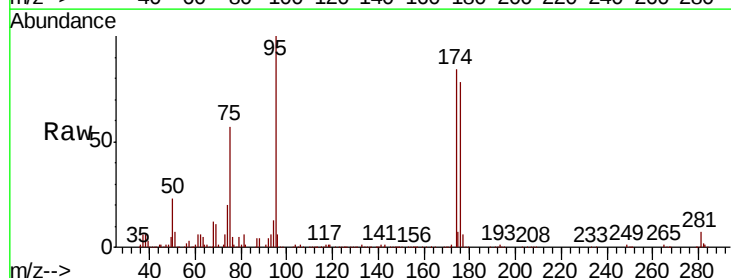
Acq: 29 Mar 2019 14:53

Tgt Ion: 75 Resp: 102733

Ion Ratio Lower Upper

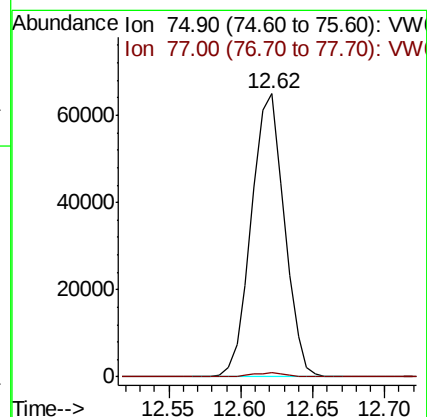
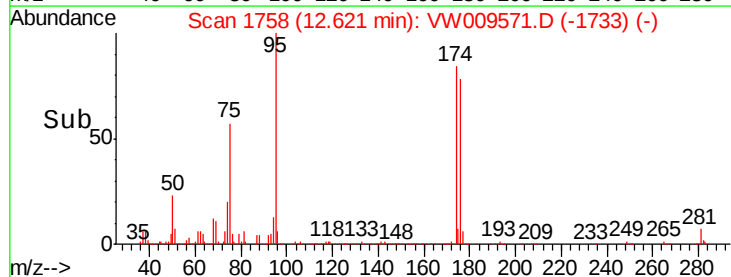
75 100

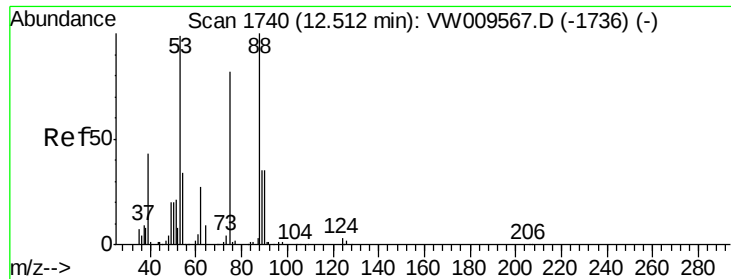
77 1.5 0.0 0.0#



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: 137.265 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009571.D

Acq: 29 Mar 2019 14:53

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBL01

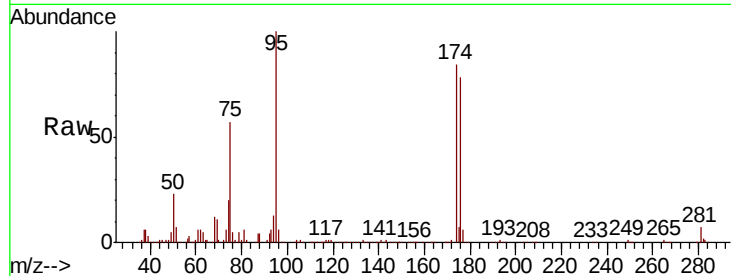
Tgt Ion: 75 Resp: 102733

Ion Ratio Lower Upper

75 100

53 0.2 86.7 130.1#

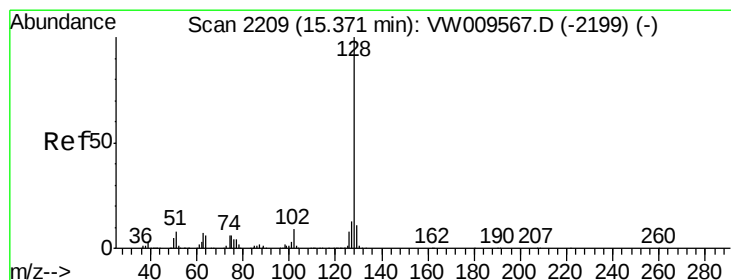
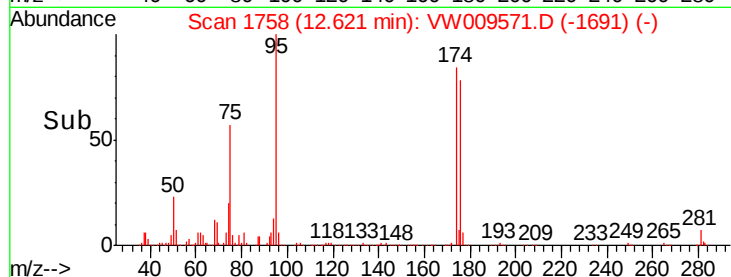
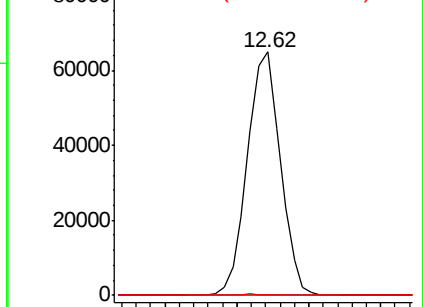
89 0.1 36.4 54.6#



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: 2.844 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009571.D

Acq: 29 Mar 2019 14:53

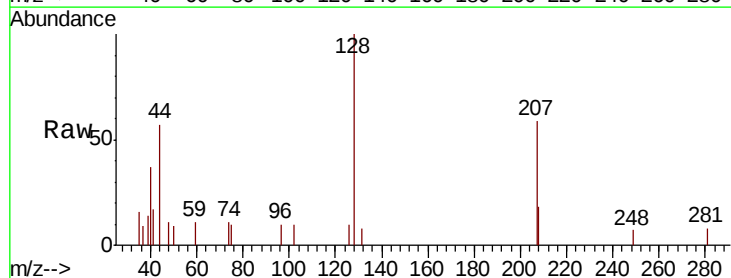
Tgt Ion: 128 Resp: 921

Ion Ratio Lower Upper

128 100

127 8.5 10.8 16.2#

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

