

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030920\
 Data File : VW015099.D
 Acq On : 09 Mar 2020 15:56
 Operator : SY/VA
 Sample : VW0309SBL01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0309SBL01

Quant Time: Mar 10 17:43:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 09 18:51:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	398297	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	791541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	689783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	265944	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	316656	54.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.14%	
35) Dibromofluoromethane	7.88	113	233140	49.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.40%	
50) Toluene-d8	10.32	98	937153	47.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.44%	
62) 4-Bromofluorobenzene	12.62	95	288554	43.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.54%	

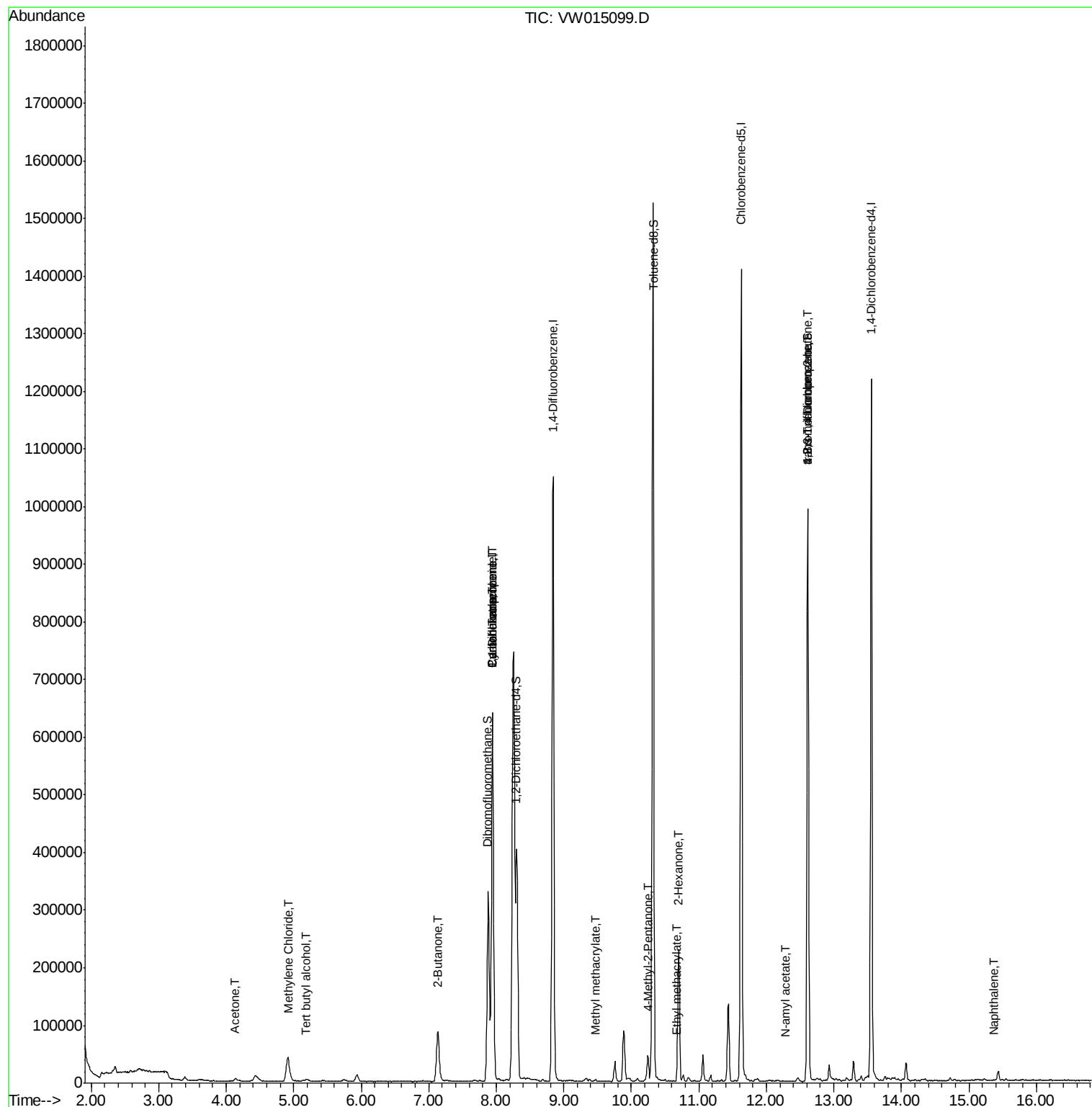
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	3588	10.66	ug/l	95
16) Acetone	4.14	43	9234	6.91	ug/l	93
20) Methylene Chloride	4.92	84	28799	1.50	ug/l	97
25) 2-Butanone	7.13	43	5838	3.19	ug/l #	79
31) Cyclohexane	7.94	56	14927	1.28	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	45304	4.94	ug/l #	53
38) Carbon Tetrachloride	7.95	117	46641	6.24	ug/l #	16
48) Methyl methacrylate	9.47	41	1497	2.89	ug/l #	38
51) 4-Methyl-2-Pentanone	10.24	43	7771	1.72	ug/l #	70
56) Ethyl methacrylate	10.66	69	46	2.05	ug/l #	38
59) 2-Hexanone	10.69	43	1137	5.01	ug/l	87
74) N-amyl acetate	12.28	43	132	2.72	ug/l #	46
76) 1,2,3-Trichloropropane	12.62	75	168155	55.95	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	168155	126.36	ug/l #	7
95) Naphthalene	15.36	128	713	3.19	ug/l #	87

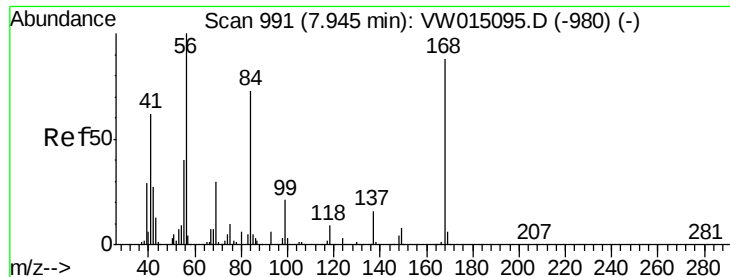
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW030920\
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Quant Time: Mar 10 17:43:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 09 18:51:48 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW015099.D

Acq: 09 Mar 2020 15:56

Instrument :

MSVOA_W

ClientSampleId :

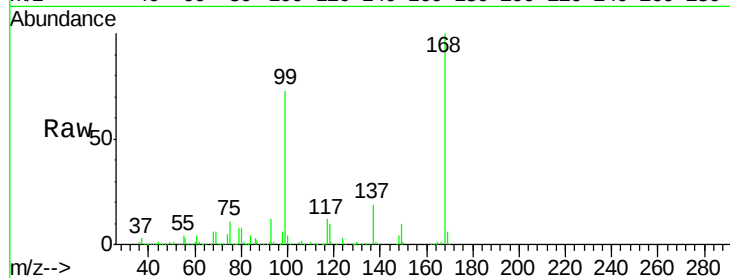
VW0309SBL01

Tgt Ion:168 Resp: 398297

Ion Ratio Lower Upper

168 100

99 72.6 57.2 85.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

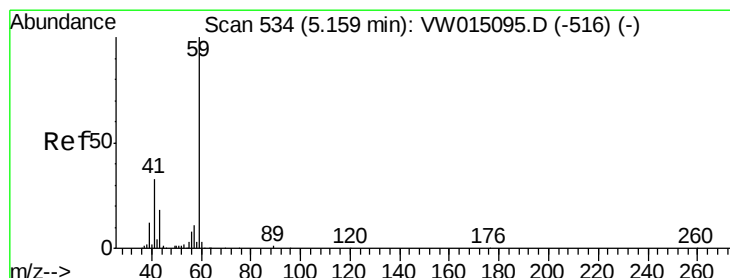
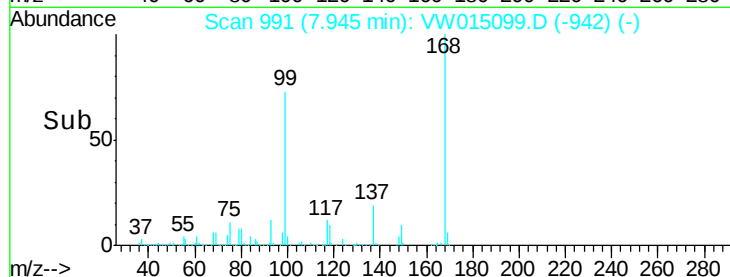
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 10.66 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.02 min

Lab File: VW015099.D

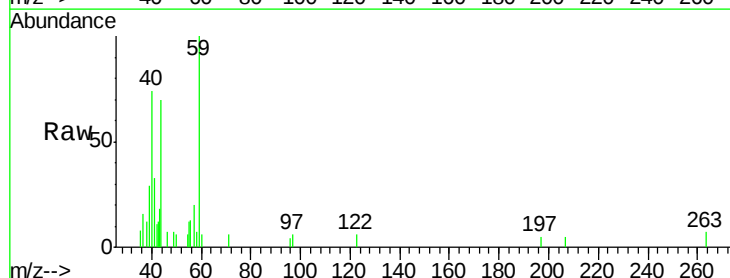
Acq: 09 Mar 2020 15:56

Tgt Ion: 59 Resp: 3588

Ion Ratio Lower Upper

59 100

57 9.4 9.1 13.7



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

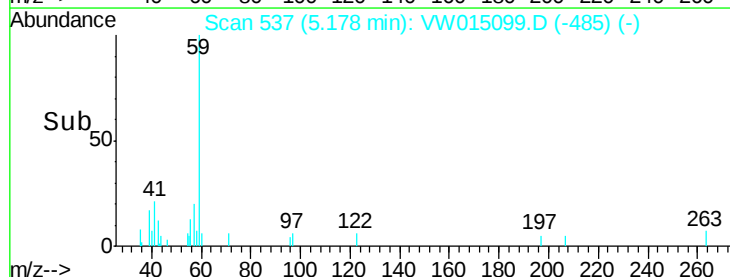
1500

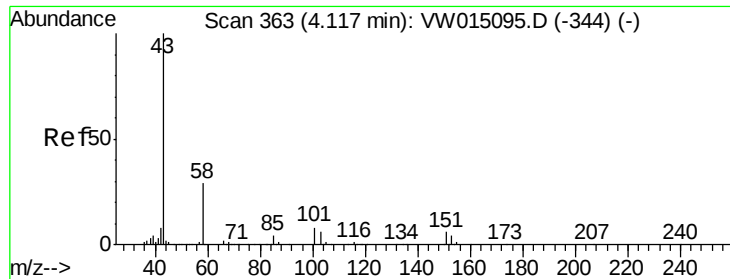
1000

500

0

Time--> 5.00 5.10 5.20





#16

Acetone

Concen: 6.91 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW015099.D

Acq: 09 Mar 2020 15:56

Instrument :

MSVOA_W

ClientSampleId :

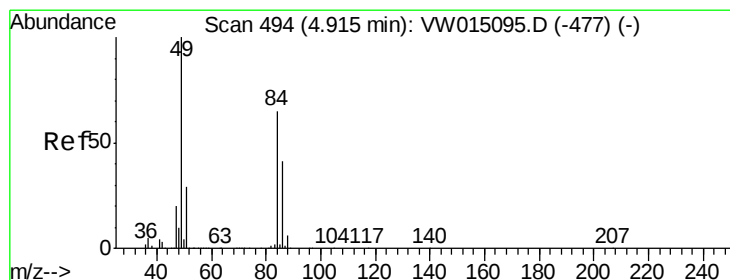
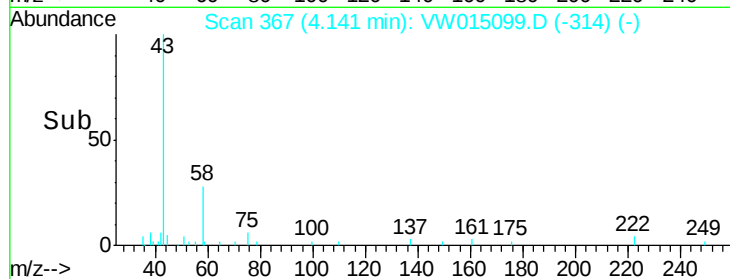
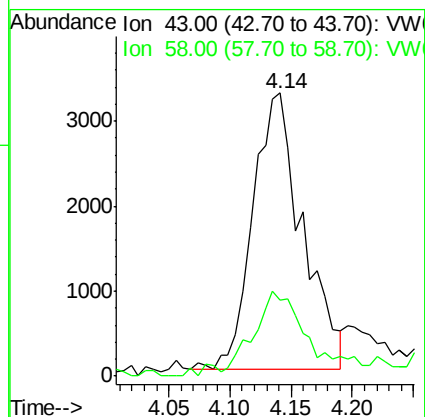
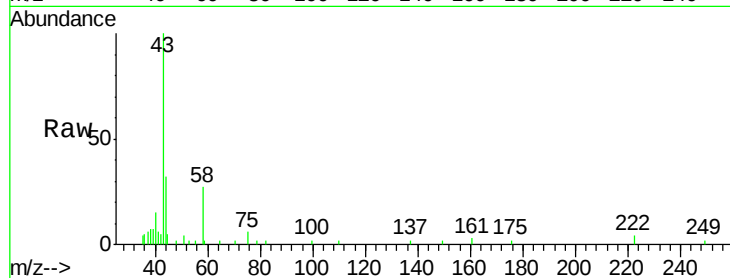
VW0309SBL01

Tgt Ion: 43 Resp: 9234

Ion Ratio Lower Upper

43 100

58 24.9 22.9 34.3



#20

Methylene Chloride

Concen: 1.50 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW015099.D

Acq: 09 Mar 2020 15:56

Tgt Ion: 84 Resp: 28799

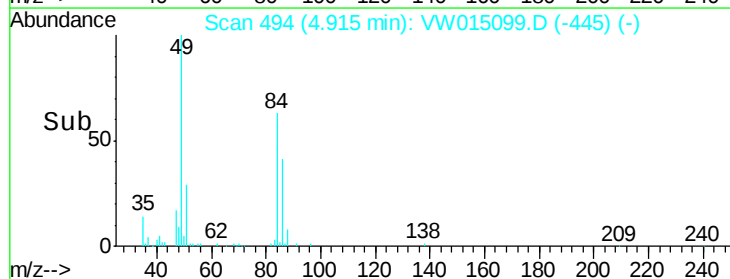
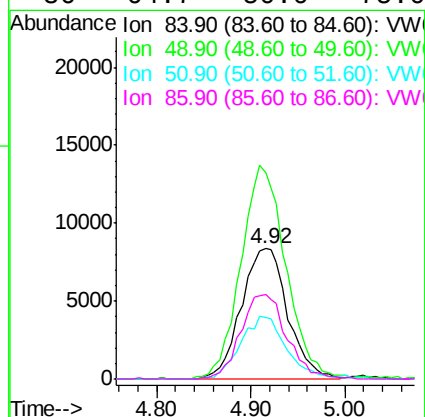
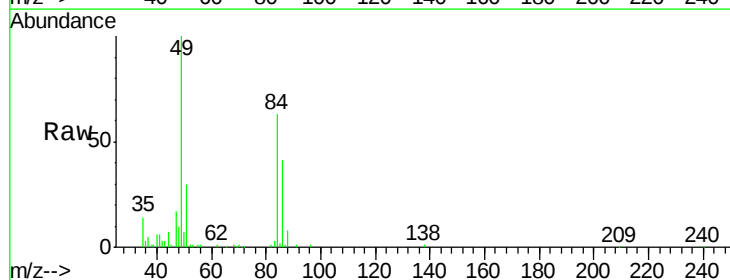
Ion Ratio Lower Upper

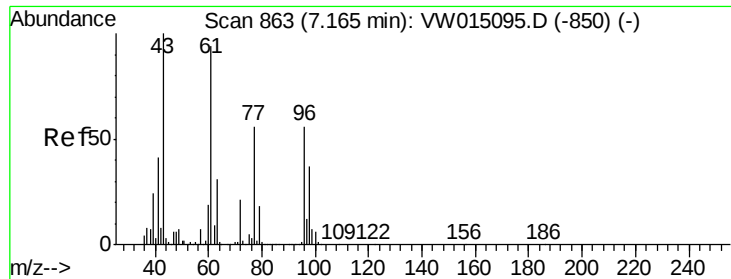
84 100

49 157.9 122.8 184.2

51 46.9 35.9 53.9

86 64.7 50.0 75.0

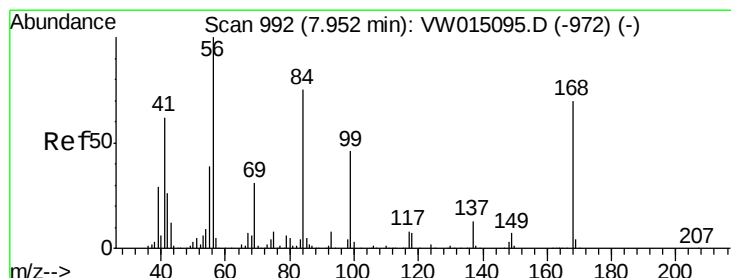
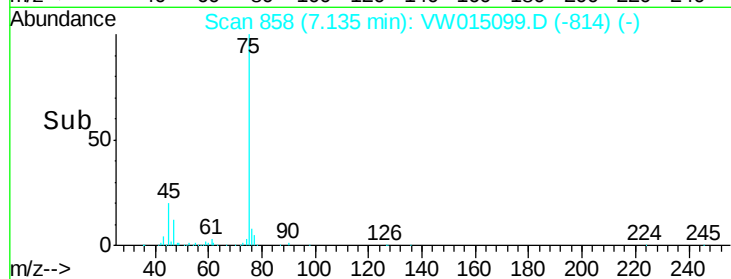
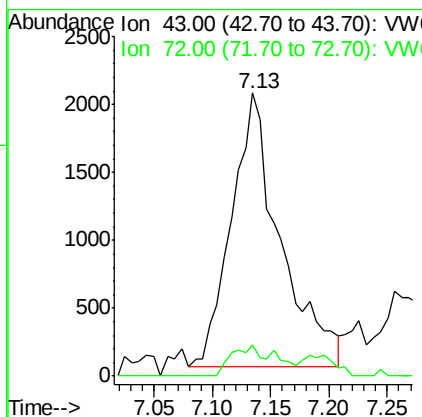
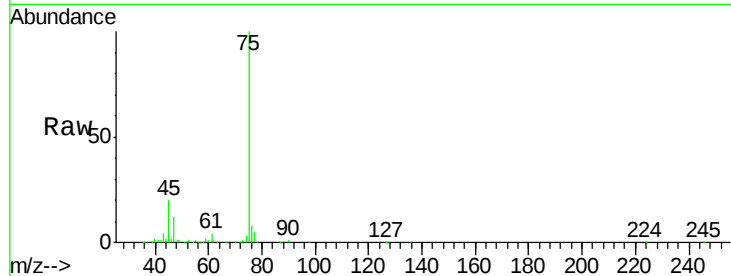




#25
2-Butanone
Concen: 3.19 ug/l
RT: 7.13 min Scan# 858
Delta R.T. -0.03 min
Lab File: VW015099.D
Acq: 09 Mar 2020 15:56

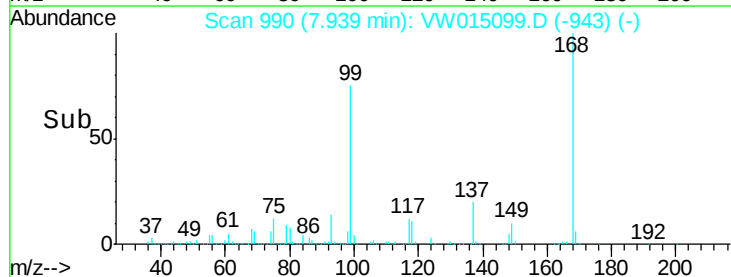
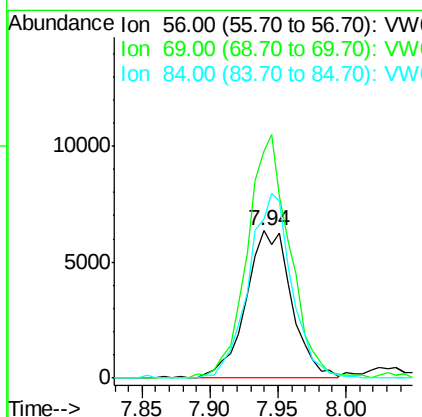
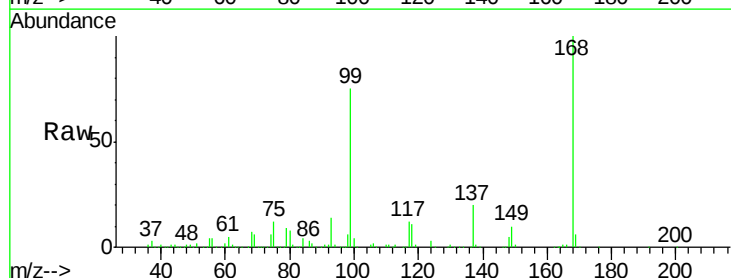
Instrument :
MSVOA_W
ClientSampleId :
VW0309SBL01

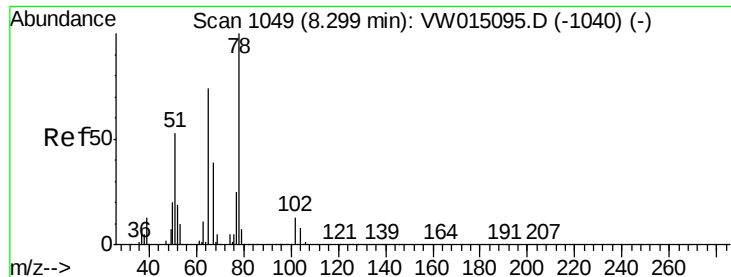
Tgt Ion: 43 Resp: 5838
Ion Ratio Lower Upper
43 100
72 11.4 17.0 25.6#



#31
Cyclohexane
Concen: 1.28 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW015099.D
Acq: 09 Mar 2020 15:56

Tgt Ion: 56 Resp: 14927
Ion Ratio Lower Upper
56 100
69 154.6 24.6 37.0#
84 108.0 59.9 89.9#

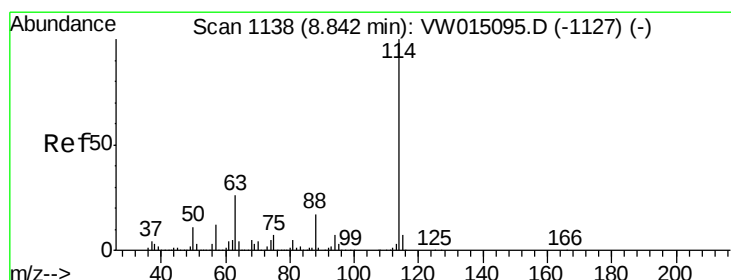
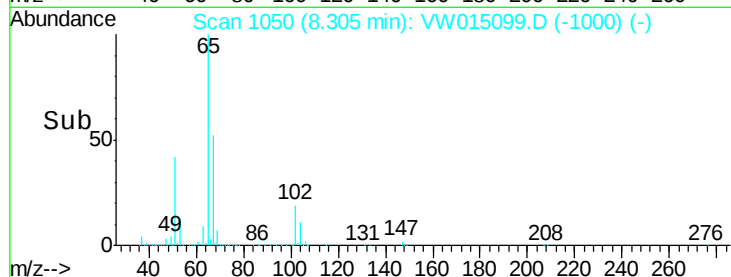
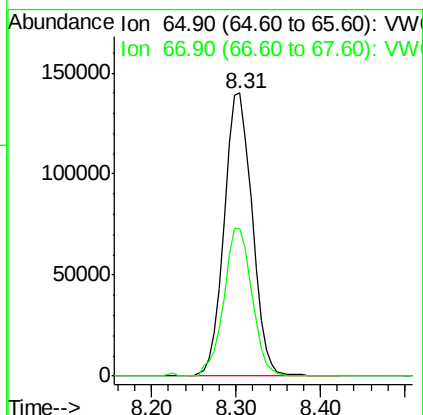
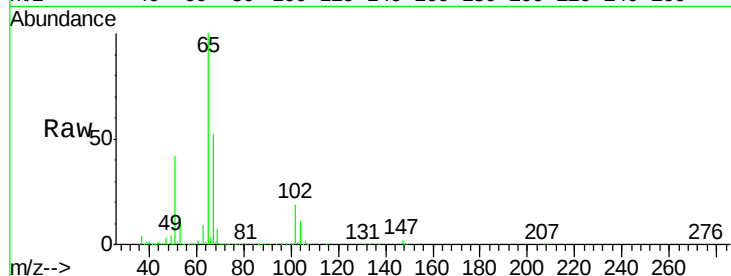




#33
 1,2-Dichloroethane-d4
 Concen: 54.07 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VW015099.D
 Acq: 09 Mar 2020 15:56

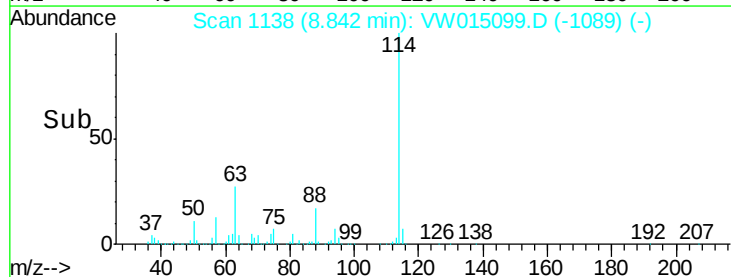
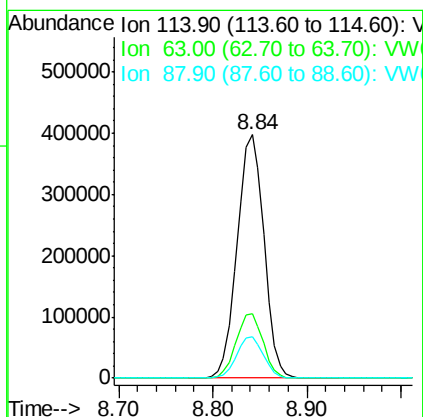
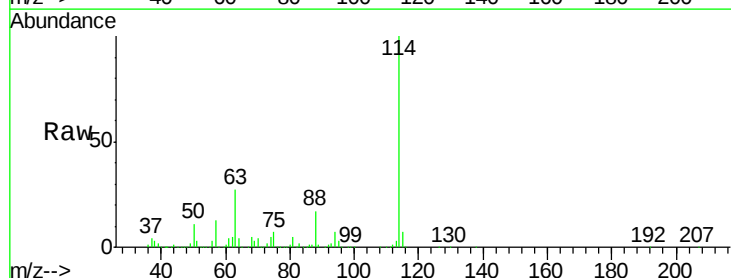
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0309SBL01

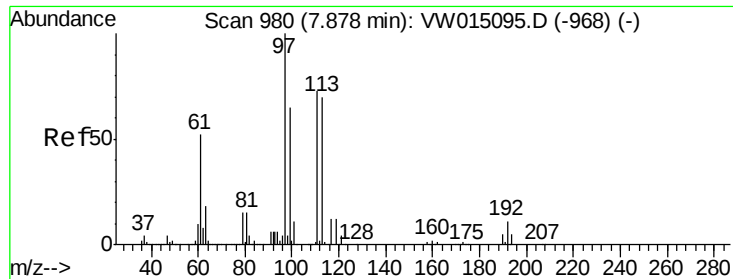
Tgt Ion: 65 Resp: 316656
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015099.D
 Acq: 09 Mar 2020 15:56

Tgt Ion: 114 Resp: 791541
 Ion Ratio Lower Upper
 114 100
 63 26.6 0.0 52.0
 88 17.3 0.0 34.2

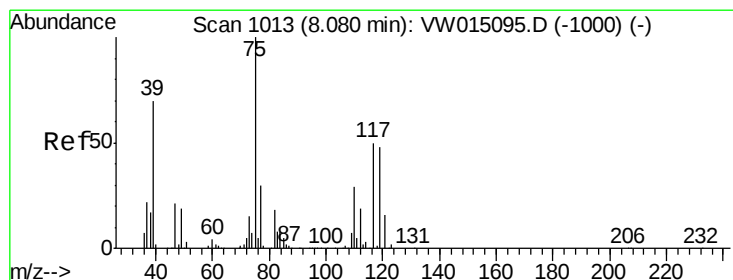
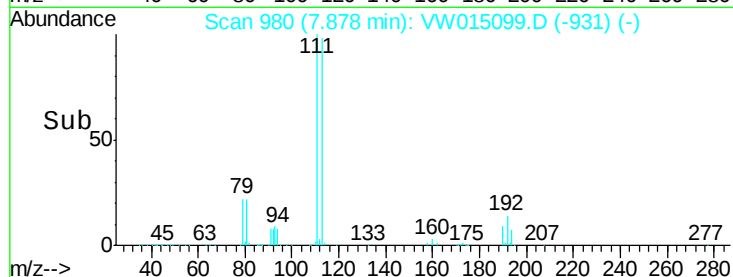
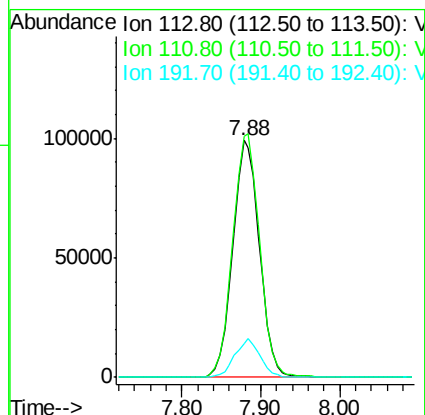
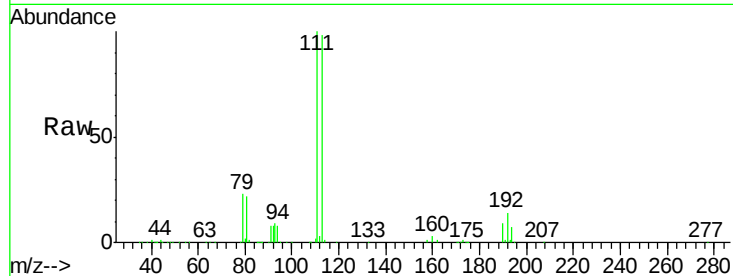




#35
 Dibromofluoromethane
 Concen: 49.20 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW015099.D
 Acq: 09 Mar 2020 15:56

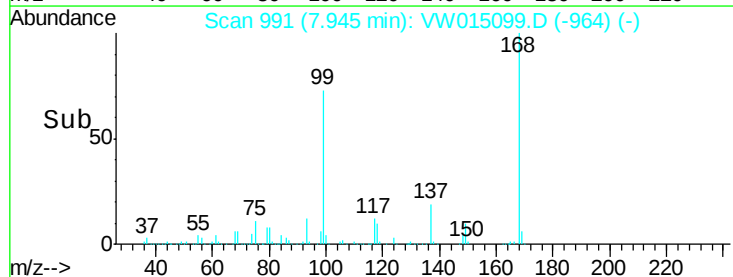
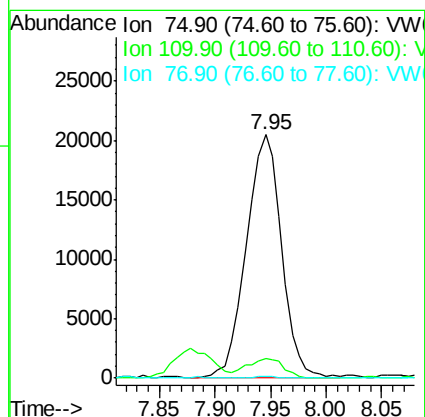
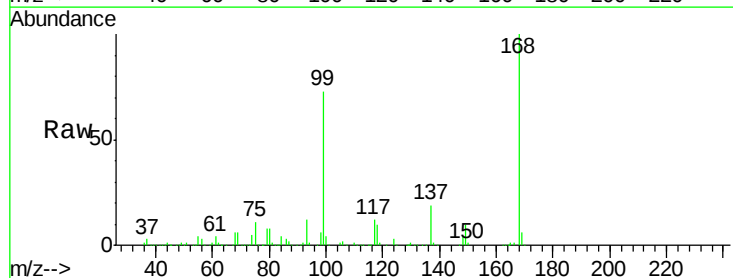
Instrument :
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 ClientSampleId :
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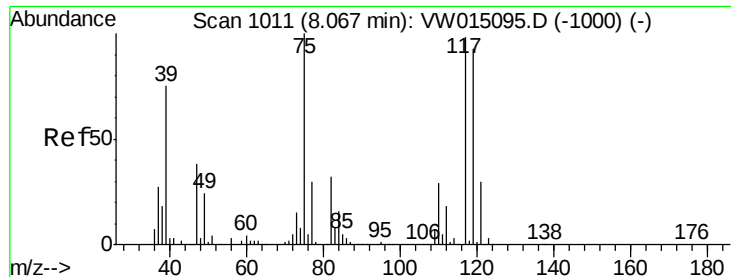
Tgt Ion: 113 Resp: 233140
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.6 125.4
 192 15.4 12.4 18.6



#36
 1,1-Dichloropropene
 Concen: 4.94 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW015099.D
 Acq: 09 Mar 2020 15:56

Tgt Ion: 75 Resp: 45304
 Ion Ratio Lower Upper
 75 100
 110 8.2 14.7 44.1#
 77 0.3 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 6.24 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW015099.D

Acq: 09 Mar 2020 15:56

Instrument :

MSVOA_W

ClientSampleId :

VW0309SBL01

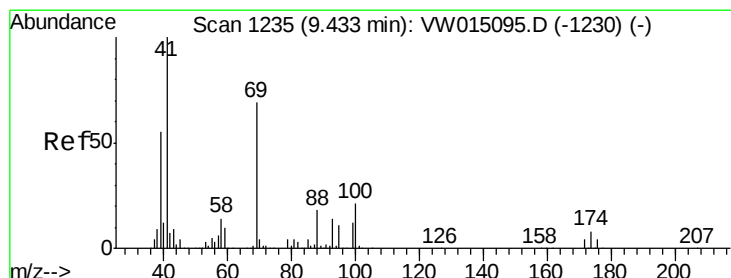
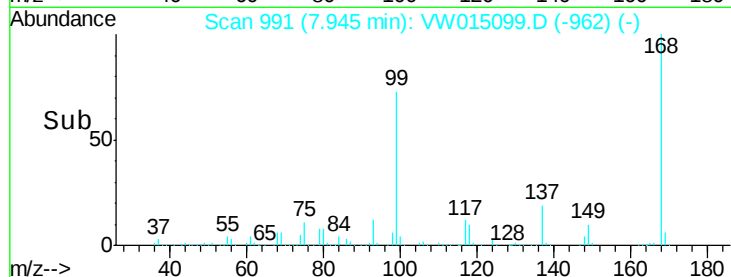
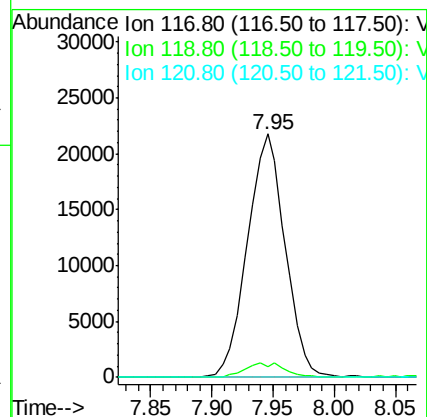
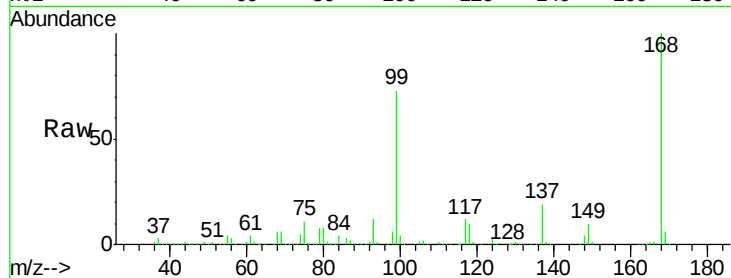
Tgt Ion:117 Resp: 46641

Ion Ratio Lower Upper

117 100

119 4.5 75.8 113.8#

121 0.4 24.5 36.7#



#48

Methyl methacrylate

Concen: 2.89 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.04 min

Lab File: VW015099.D

Acq: 09 Mar 2020 15:56

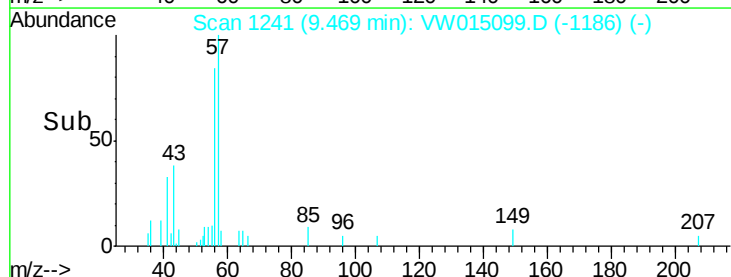
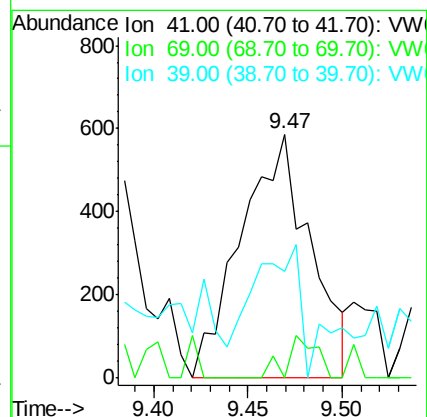
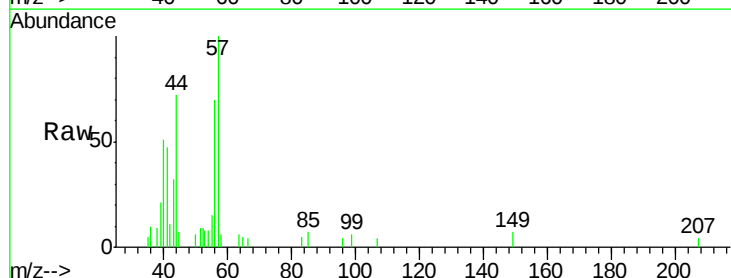
Tgt Ion: 41 Resp: 1497

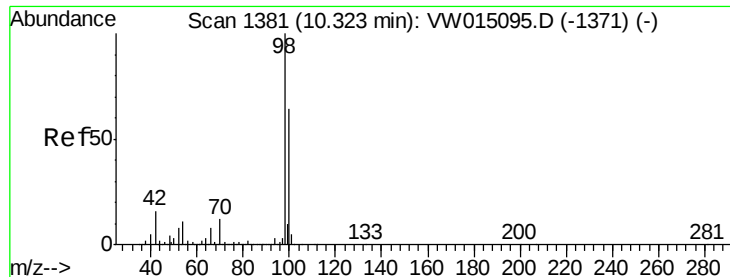
Ion Ratio Lower Upper

41 100

69 7.3 58.7 88.1#

39 26.9 45.1 67.7#





#50

Toluene-d8

Concen: 47.22 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW015099.D

Acq: 09 Mar 2020 15:56

Instrument :

MSVOA_W

ClientSampleId :

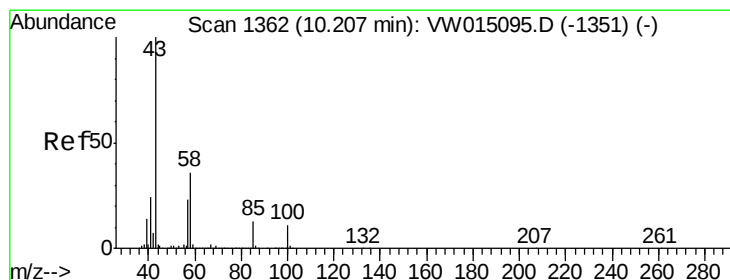
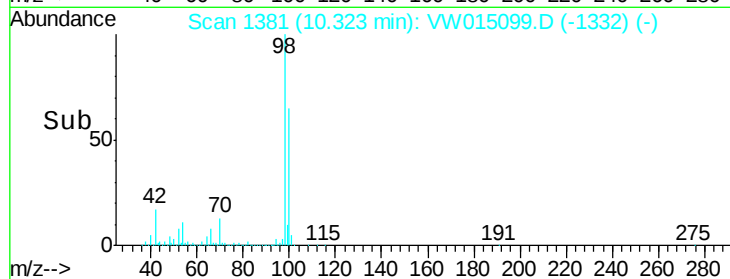
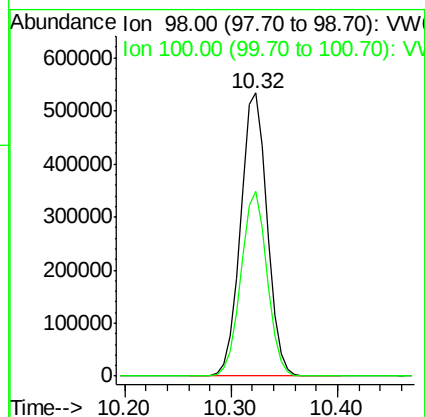
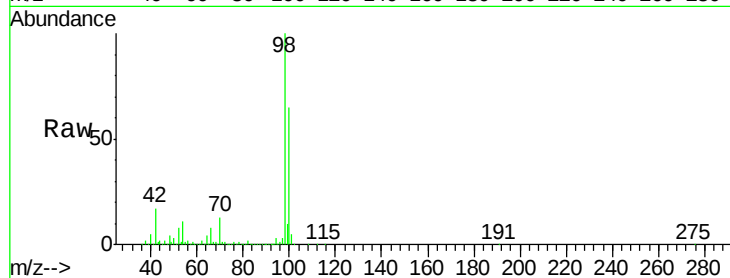
VW0309SBL01

Tgt Ion: 98 Resp: 937153

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 1.72 ug/l

RT: 10.24 min Scan# 1368

Delta R.T. 0.04 min

Lab File: VW015099.D

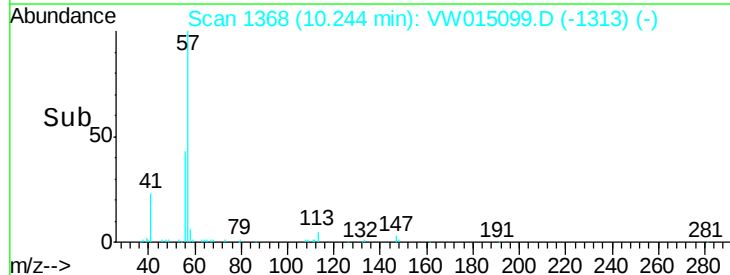
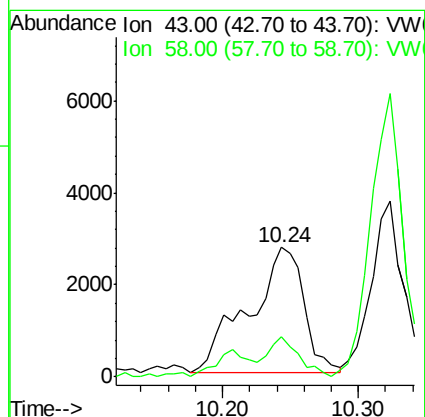
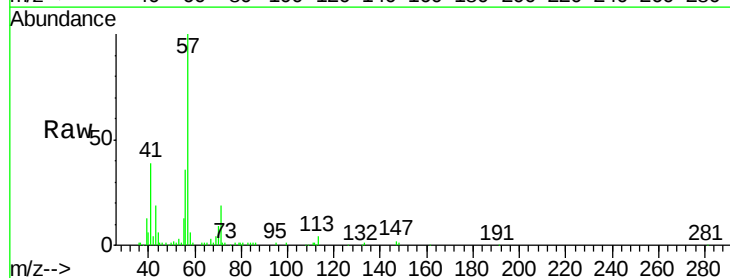
Acq: 09 Mar 2020 15:56

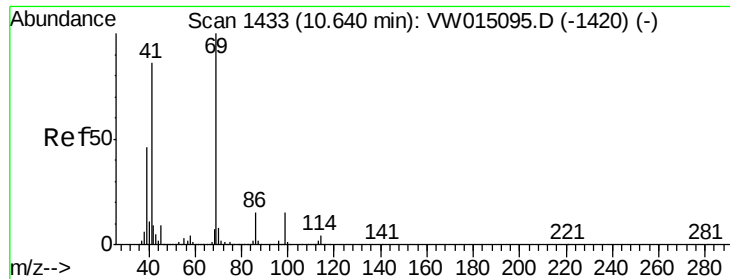
Tgt Ion: 43 Resp: 7771

Ion Ratio Lower Upper

43 100

58 17.5 28.0 42.0#





#56

Ethyl methacrylate

Concen: 2.05 ug/l

RT: 10.66 min Scan# 1436

Delta R.T. 0.02 min

Lab File: VW015099.D

Acq: 09 Mar 2020 15:56

Instrument :

MSVOA_W

ClientSampled :

VW0309SBL01

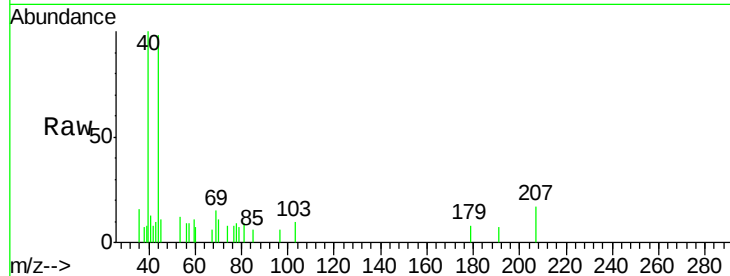
Tgt Ion: 69 Resp: 46

Ion Ratio Lower Upper

69 100

41 137.0 65.8 98.6#

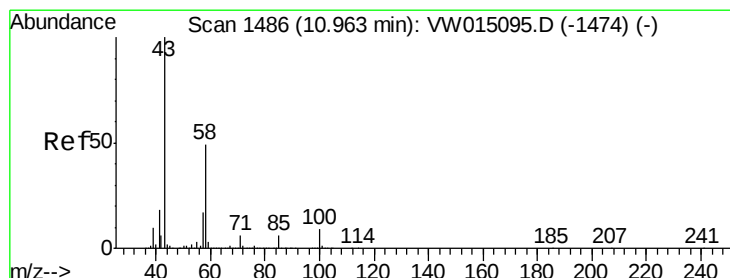
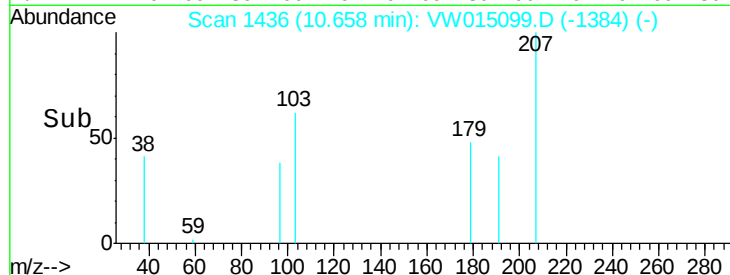
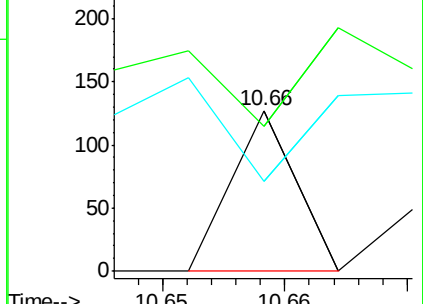
39 0.0 31.2 46.8#



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



#59

2-Hexanone

Concen: 5.01 ug/l

RT: 10.69 min Scan# 1442

Delta R.T. -0.27 min

Lab File: VW015099.D

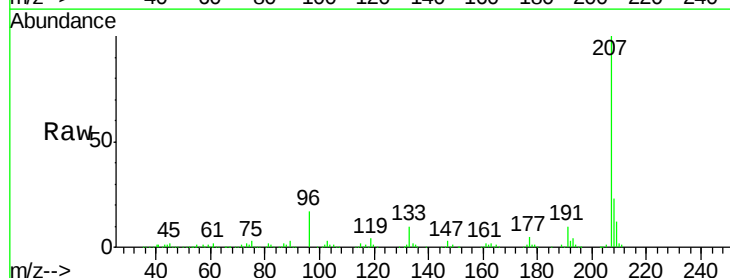
Acq: 09 Mar 2020 15:56

Tgt Ion: 43 Resp: 1137

Ion Ratio Lower Upper

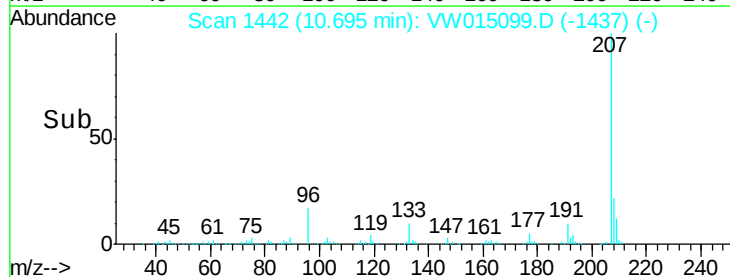
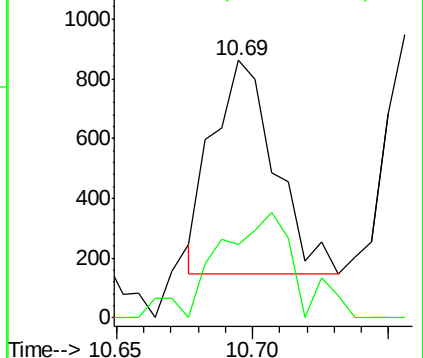
43 100

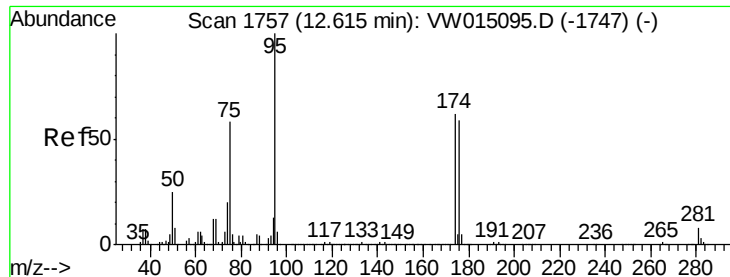
58 58.1 24.6 73.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

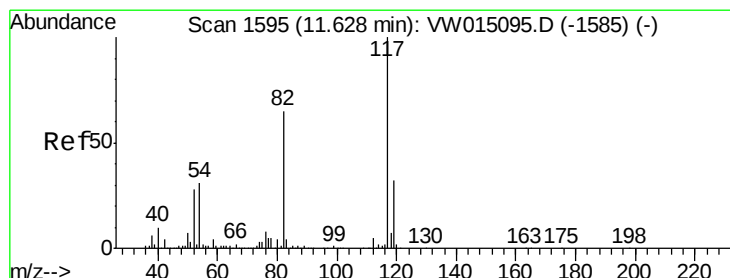
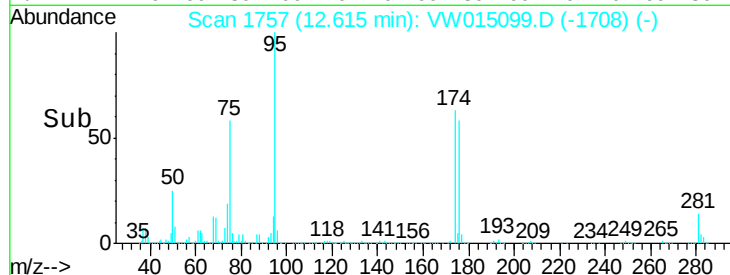
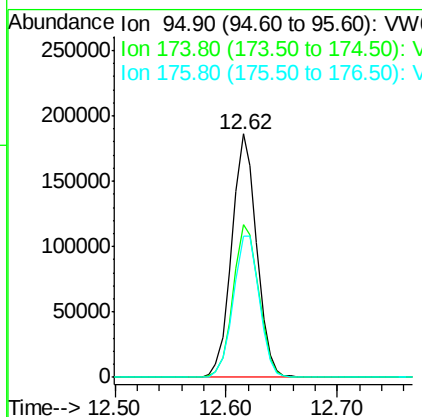
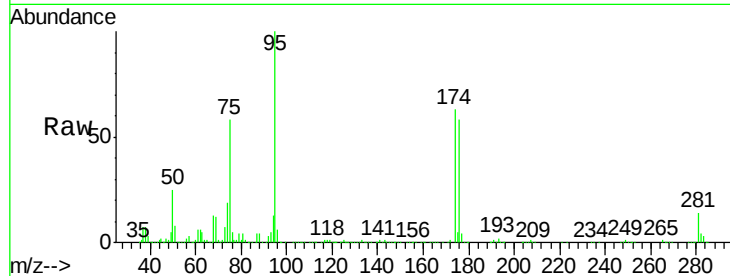




#62
4-Bromofluorobenzene
Concen: 43.77 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW015099.D
Acq: 09 Mar 2020 15:56

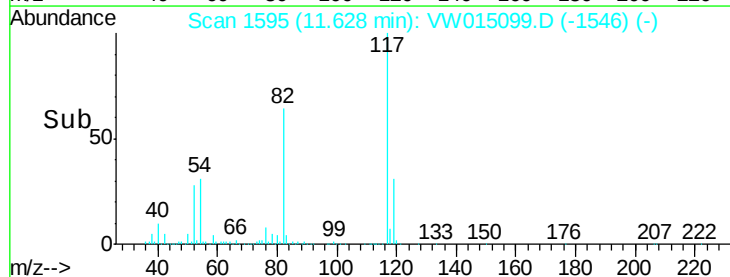
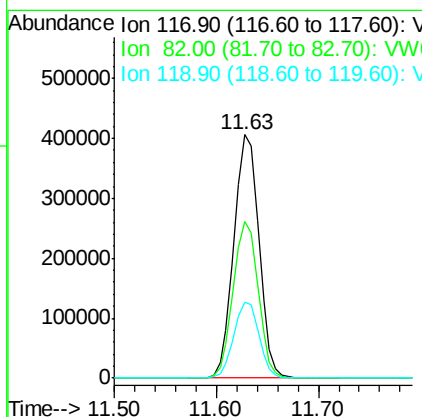
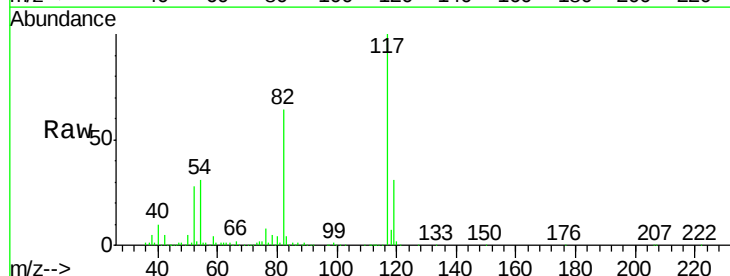
Instrument :
MSVOA_W
ClientSampleId :
VW0309SBL01

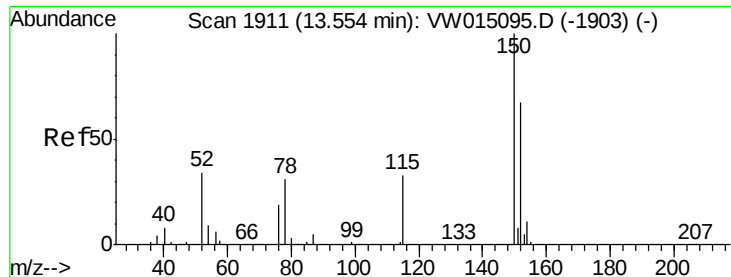
Tgt Ion: 95 Resp: 288554
Ion Ratio Lower Upper
95 100
174 64.6 0.0 126.8
176 61.1 0.0 121.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW015099.D
Acq: 09 Mar 2020 15:56

Tgt Ion: 117 Resp: 689783
Ion Ratio Lower Upper
117 100
82 64.3 52.2 78.2
119 31.2 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.00 min

Lab File: VW015099.D

Acq: 09 Mar 2020 15:56

Instrument :

MSVOA_W

ClientSampleId :

VW0309SBL01

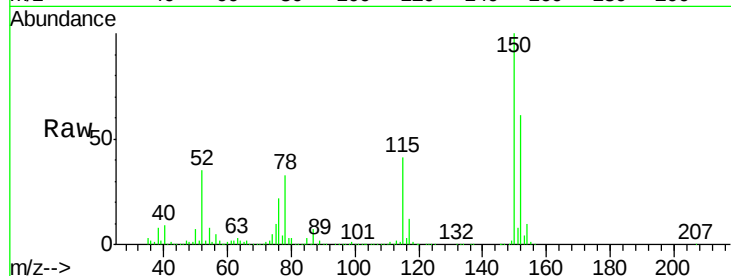
Tgt Ion:152 Resp: 265944

Ion Ratio Lower Upper

152 100

115 65.2 33.3 99.9

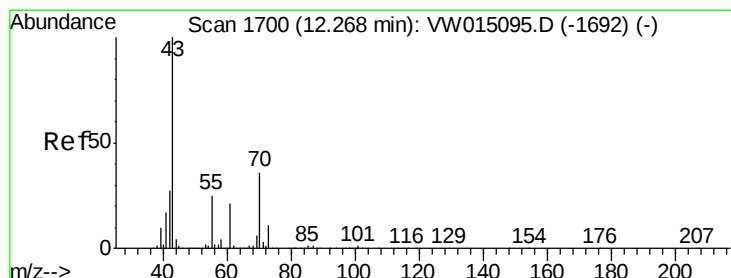
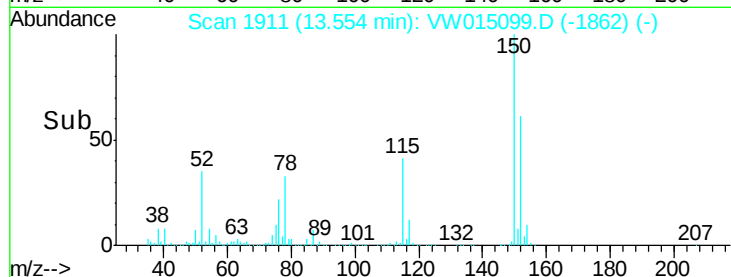
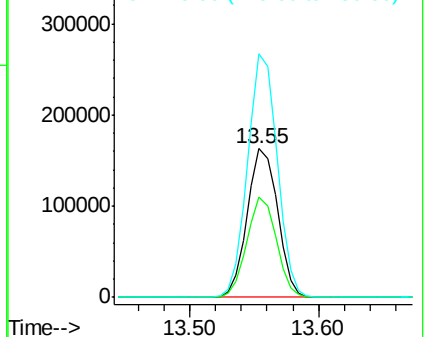
150 159.2 0.0 351.2



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



#74

N-ethyl acetate

Concen: 2.72 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW015099.D

Acq: 09 Mar 2020 15:56

Tgt Ion: 43 Resp: 132

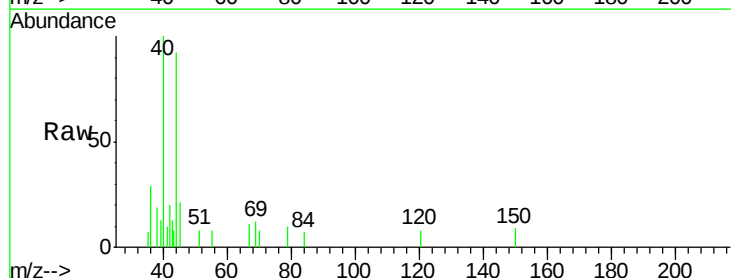
Ion Ratio Lower Upper

43 100

70 0.0 29.4 44.2#

55 0.0 20.3 30.5#

61 0.0 17.1 25.7#

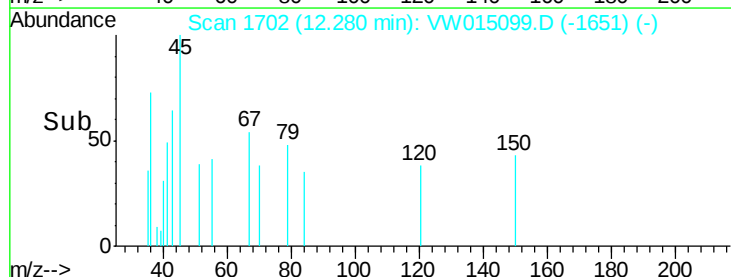
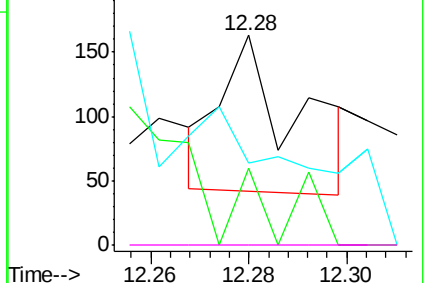


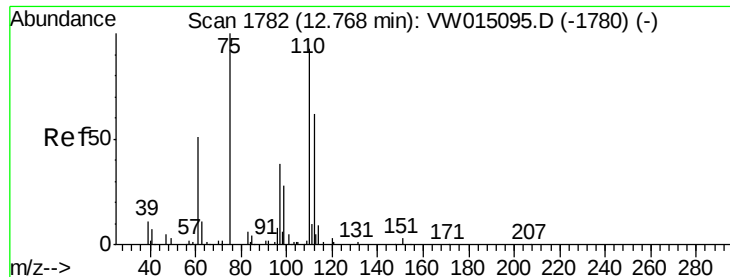
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#76

1,2,3-Trichloropropane

Concen: 55.95 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015099.D

Acq: 09 Mar 2020 15:56

Instrument :

MSVOA_W

ClientSampleId :

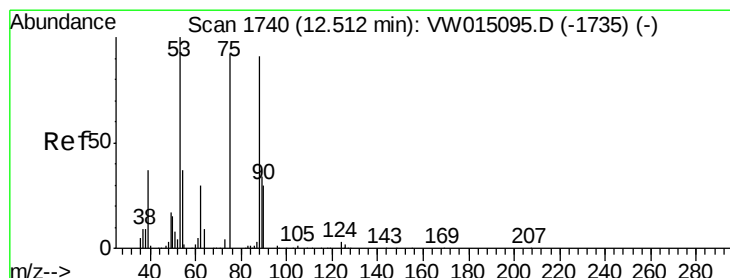
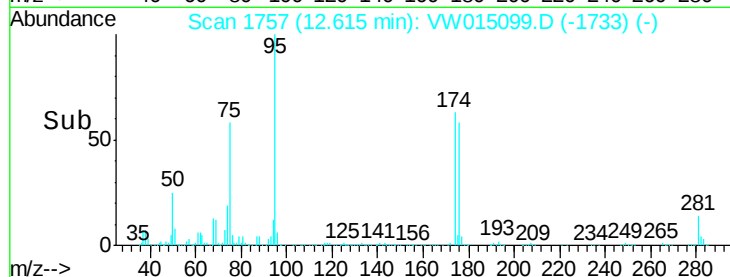
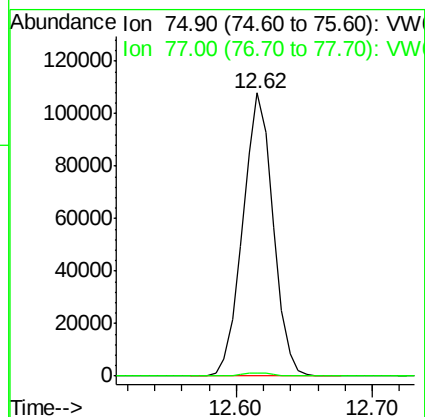
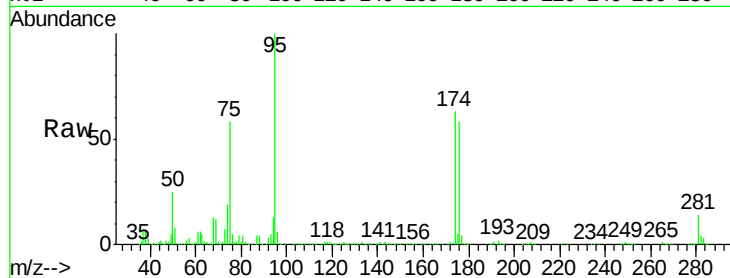
VW0309SBL01

Tgt Ion: 75 Resp: 168155

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 126.36 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015099.D

Acq: 09 Mar 2020 15:56

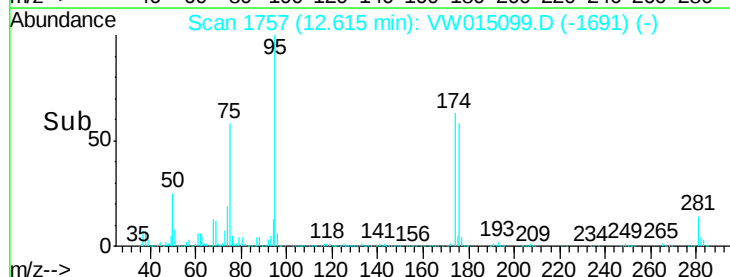
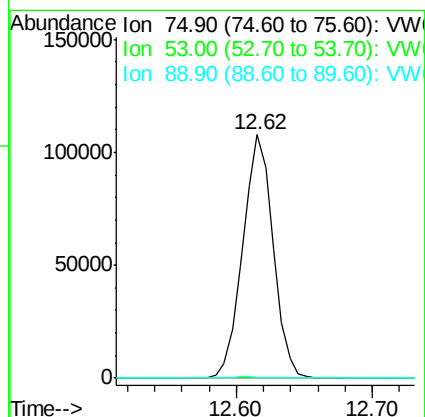
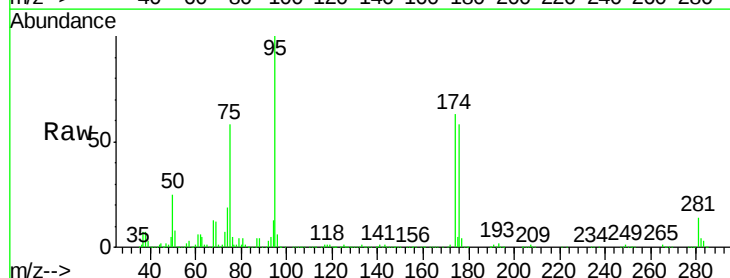
Tgt Ion: 75 Resp: 168155

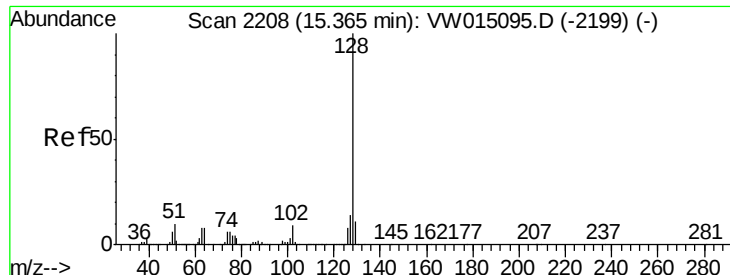
Ion Ratio Lower Upper

75 100

53 0.3 88.4 132.6#

89 0.5 33.1 49.7#





#95

Naphthalene

Concen: 3.19 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015099.D

Acq: 09 Mar 2020 15:56

Instrument :

MSVOA_W

ClientSampleId :

VW0309SBL01

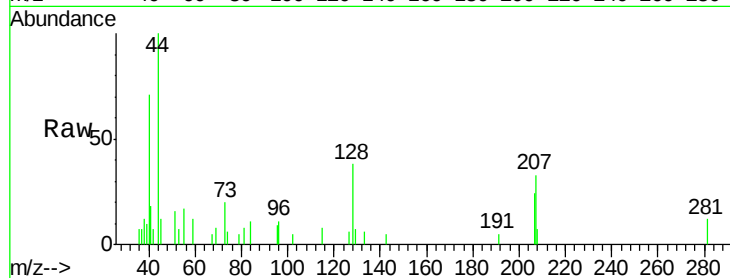
Tgt Ion:128 Resp: 713

Ion Ratio Lower Upper

128 100

127 16.5 10.7 16.1#

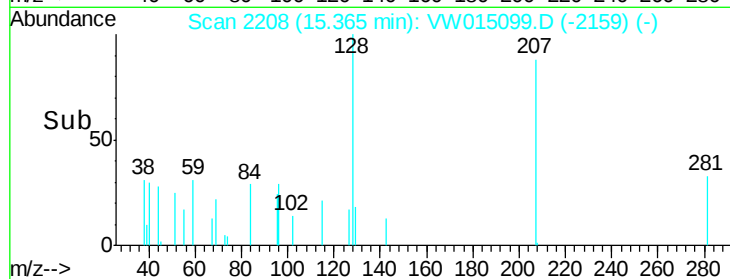
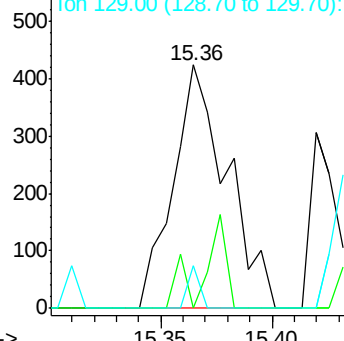
129 3.8 8.6 12.8#



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



Time-->