

Data File : VW012734.D
Acq On : 07 Sep 2019 21:38
Operator : SY/VA
Sample : K4554-39
Misc : 5.62G/5ML/MSVOA_W/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-8-(0-2)

Quant Time: Sep 08 05:15:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	216676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	323775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	280857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	112985	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	128833	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
35) Dibromofluoromethane	7.88	113	101291	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
50) Toluene-d8	10.32	98	366542	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.62	95	127286	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	

Target Compounds

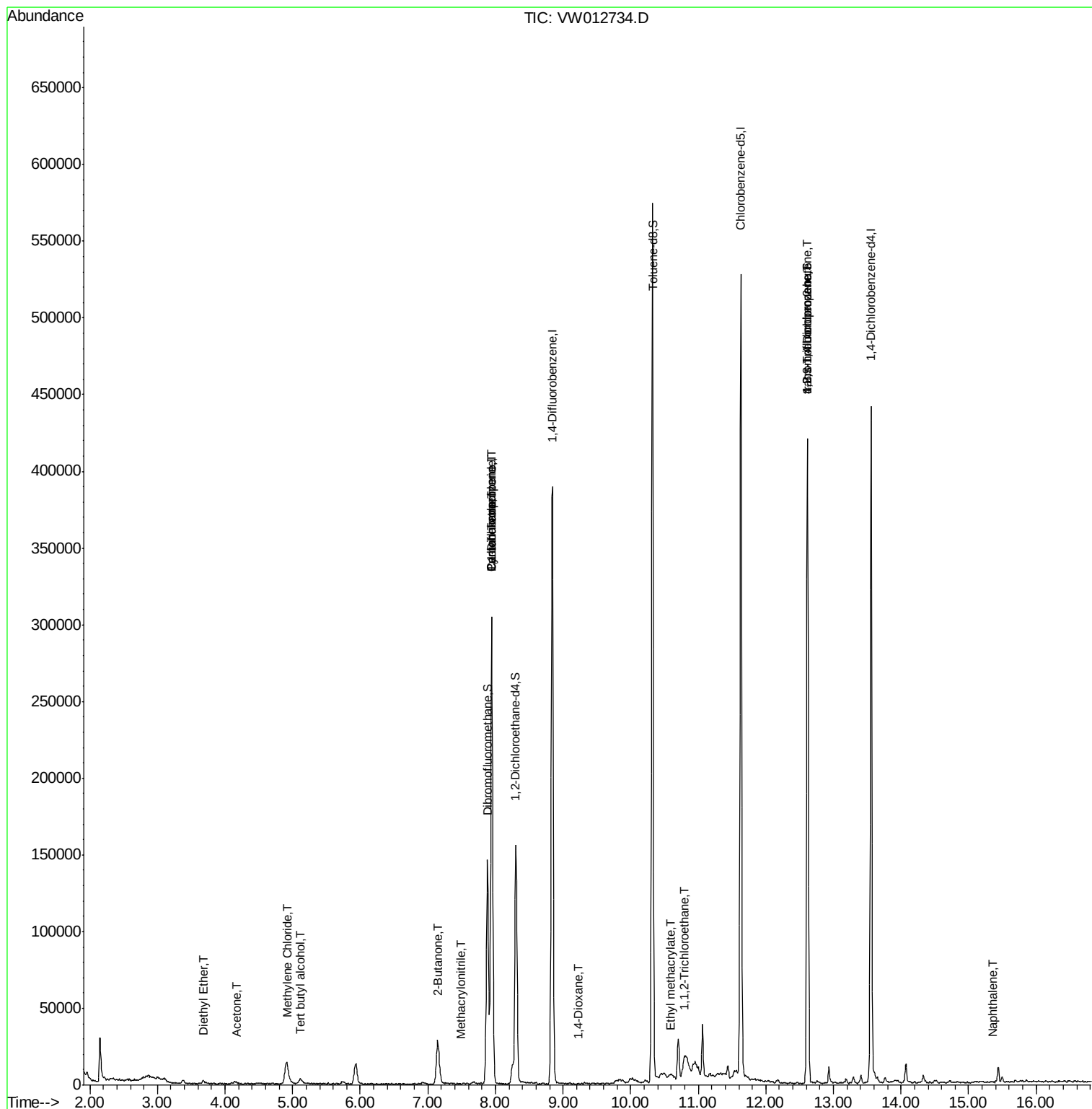
						Qvalue
8) Diethyl Ether	3.68	74	1043	1.027	ug/l	83
11) Tert butyl alcohol	5.12	59	2836	15.311	ug/l #	72
16) Acetone	4.16	43	3541	5.365	ug/l	99
20) Methylene Chloride	4.91	84	11036	5.345	ug/l	87
25) 2-Butanone	7.15	43	1953	21.532	ug/l #	79
31) Cyclohexane	7.94	56	5164	1.451	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	18165	6.314	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21787	7.683	ug/l #	17
41) Methacrylonitrile	7.49	41	68	3.889	ug/l #	43
49) 1,4-Dioxane	9.23	88	28	1.352	ug/l #	1
55) 1,1,2-Trichloroethane	10.80	97	2122	1.352	ug/l #	15
56) Ethyl methacrylate	10.58	69	3233	1.407	ug/l #	21
76) 1,2,3-Trichloropropane	12.62	75	69735	60.360	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69735	127.665	ug/l #	6
95) Naphthalene	15.36	128	51	4.449	ug/l #	69

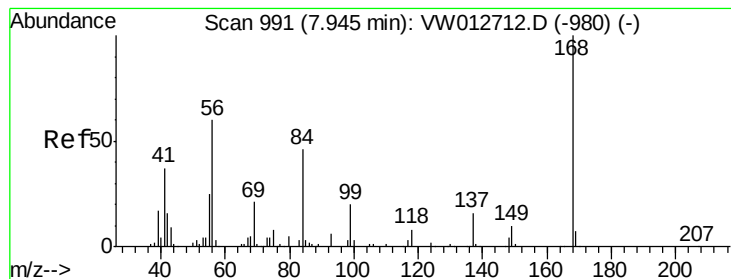
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012734.D

Acq: 07 Sep 2019 21:38

Instrument :

MSVOA_W

ClientSampled :

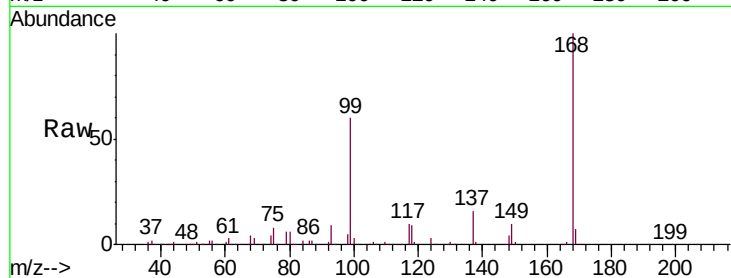
SB-8-(0-2)

Tgt Ion:168 Resp: 216676

Ion Ratio Lower Upper

168 100

99 60.0 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

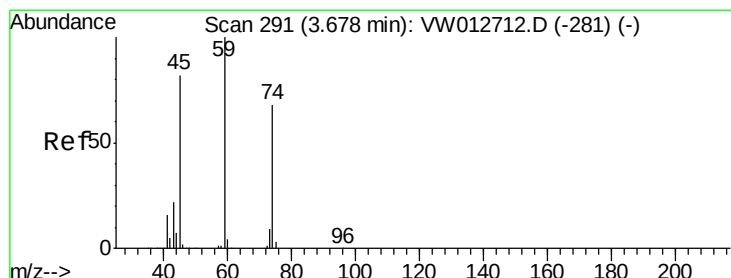
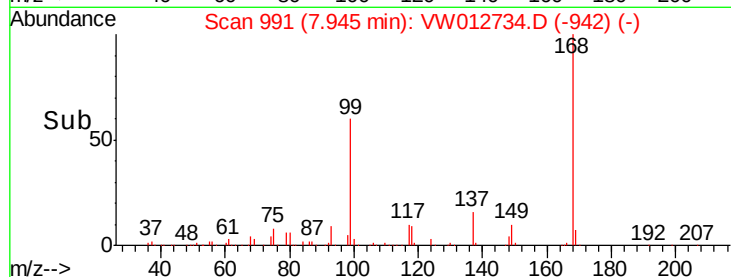
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.027 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012734.D

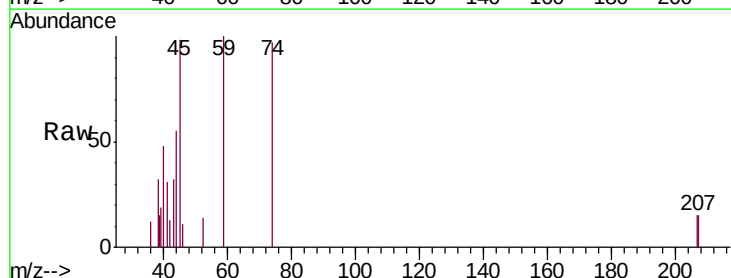
Acq: 07 Sep 2019 21:38

Tgt Ion: 74 Resp: 1043

Ion Ratio Lower Upper

74 100

45 136.4 58.8 176.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

600

500

400

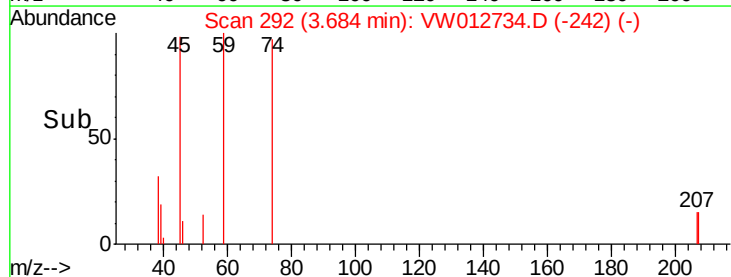
300

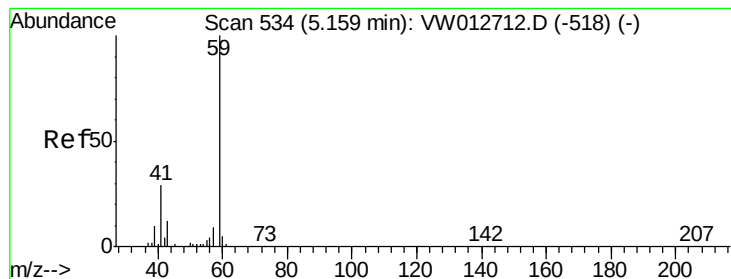
200

100

0

Time-->





#11

Tert butyl alcohol

Concen: 15.311 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.04 min

Lab File: VW012734.D

Acq: 07 Sep 2019 21:38

Instrument :

MSVOA_W

ClientSampleId :

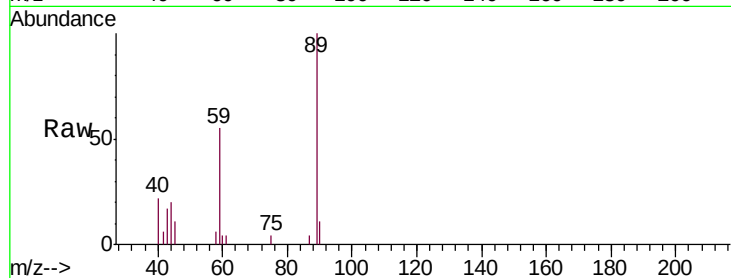
SB-8-(0-2)

Tgt Ion: 59 Resp: 2836

Ion Ratio Lower Upper

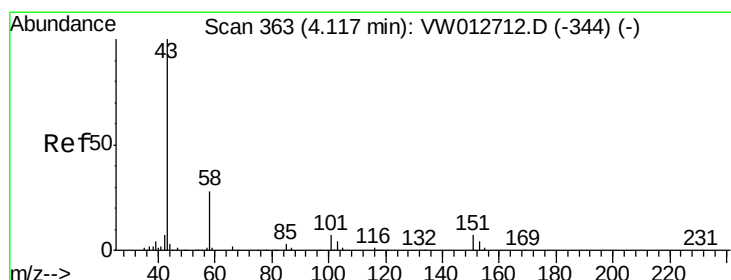
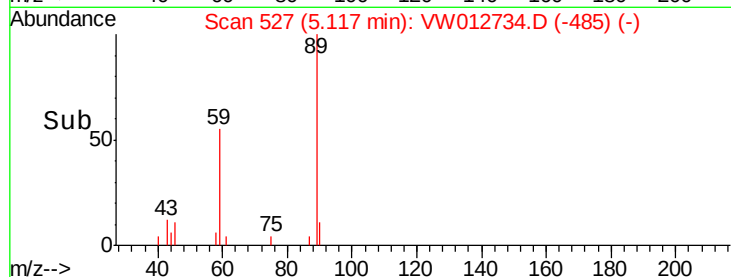
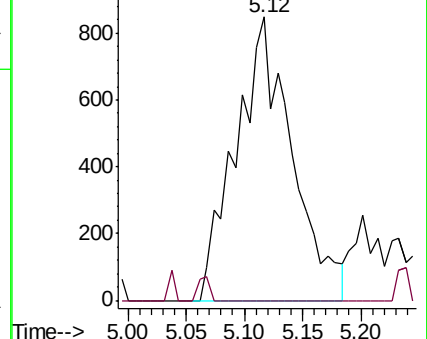
59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#16

Acetone

Concen: 5.365 ug/l

RT: 4.16 min Scan# 370

Delta R.T. 0.04 min

Lab File: VW012734.D

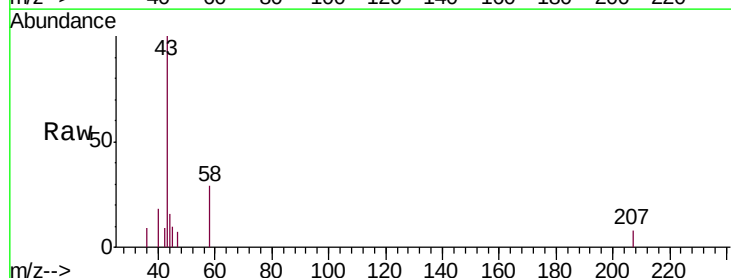
Acq: 07 Sep 2019 21:38

Tgt Ion: 43 Resp: 3541

Ion Ratio Lower Upper

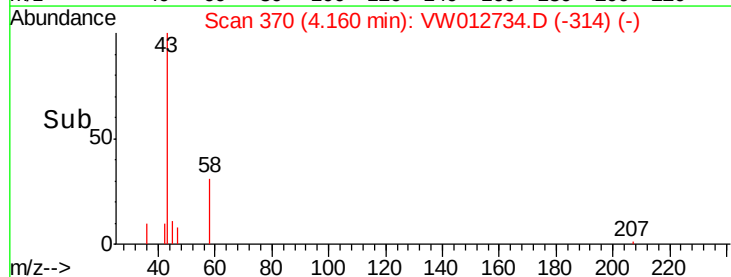
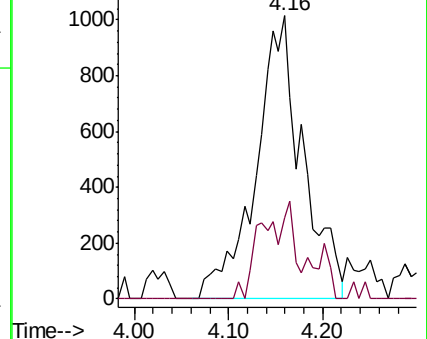
43 100

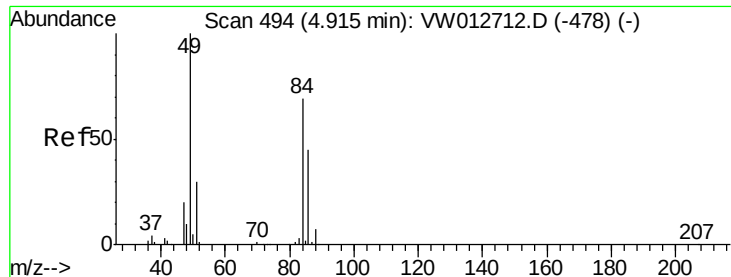
58 28.8 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

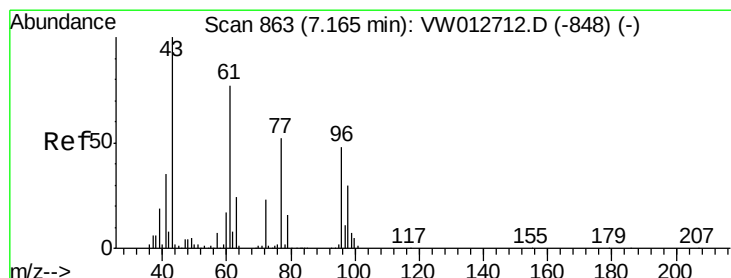
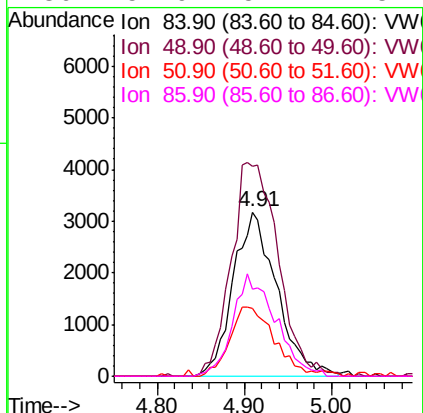
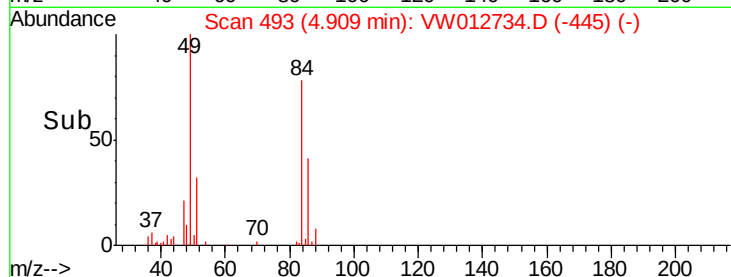
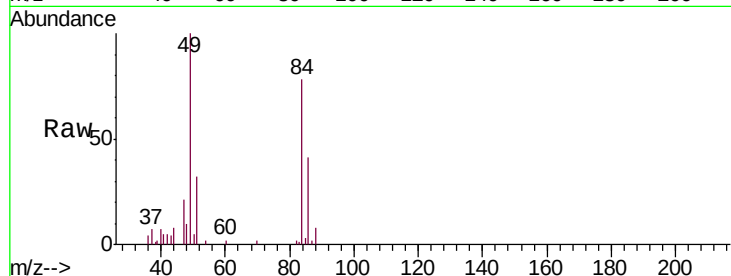




#20
Methylene Chloride
Concen: 5.345 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012734.D
Acq: 07 Sep 2019 21:38

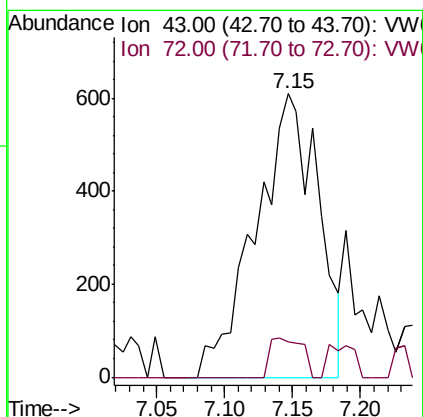
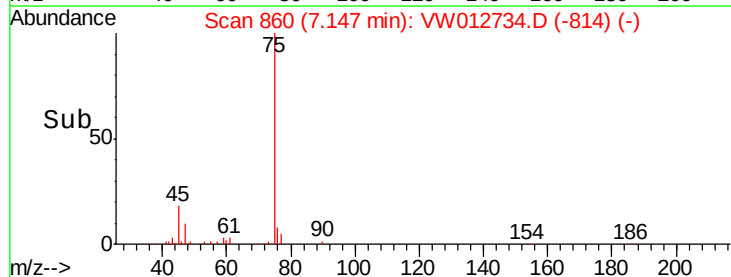
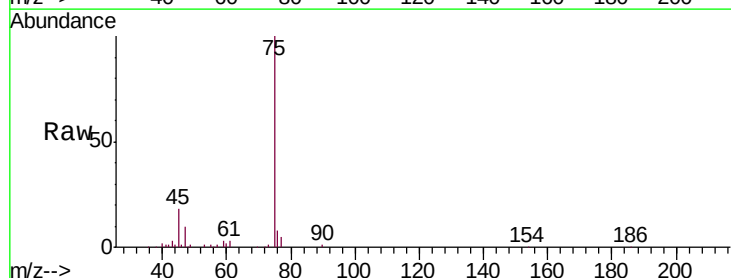
Instrument :
MSVOA_W
ClientSampleId :
SB-8-(0-2)

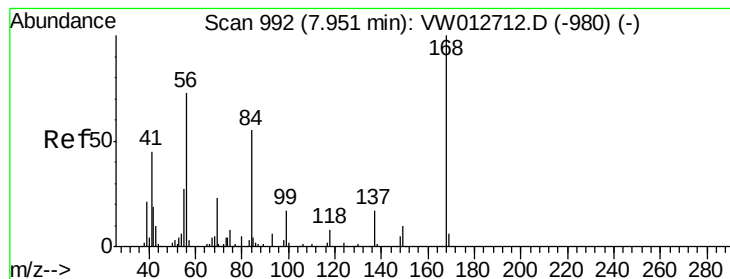
Tgt Ion: 84 Resp: 11036
Ion Ratio Lower Upper
84 100
49 128.0 115.4 173.0
51 39.6 34.9 52.3
86 52.9 52.2 78.4



#25
2-Butanone
Concen: 21.532 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW012734.D
Acq: 07 Sep 2019 21:38

Tgt Ion: 43 Resp: 1953
Ion Ratio Lower Upper
43 100
72 12.6 18.0 27.0#





#31

Cyclohexane

Concen: 1.451 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012734.D

Acq: 07 Sep 2019 21:38

Instrument :

MSVOA_W

ClientSampleId :

SB-8-(0-2)

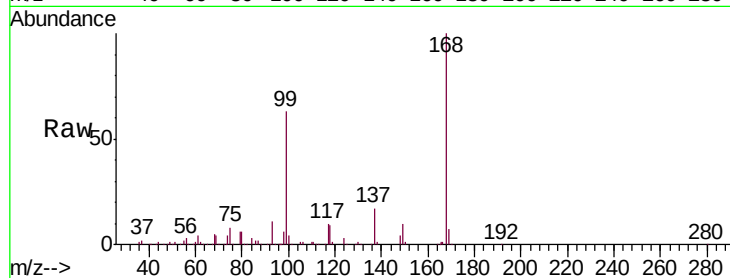
Tgt Ion: 56 Resp: 5164

Ion Ratio Lower Upper

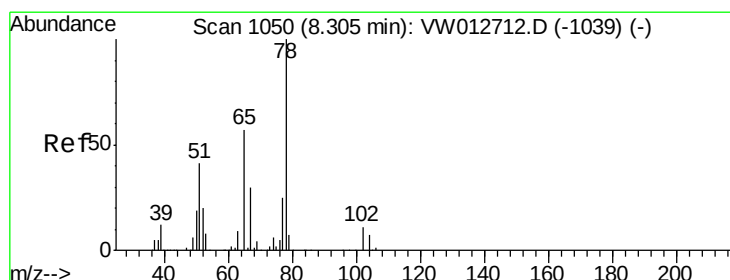
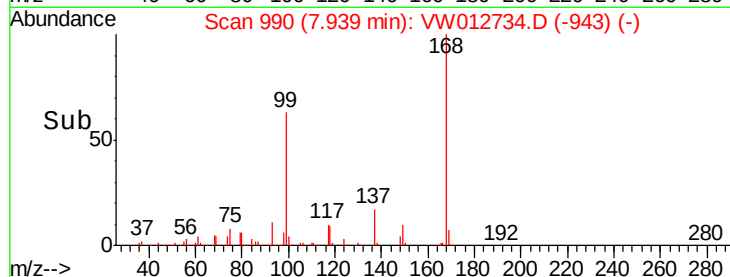
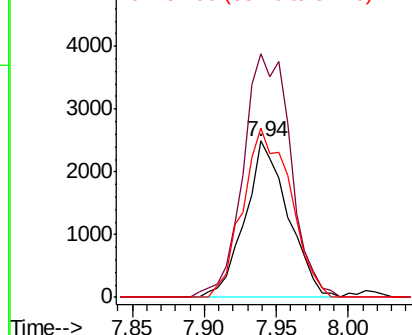
56 100

69 155.7 25.7 38.5#

84 108.1 60.4 90.6#



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: 53.215 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012734.D

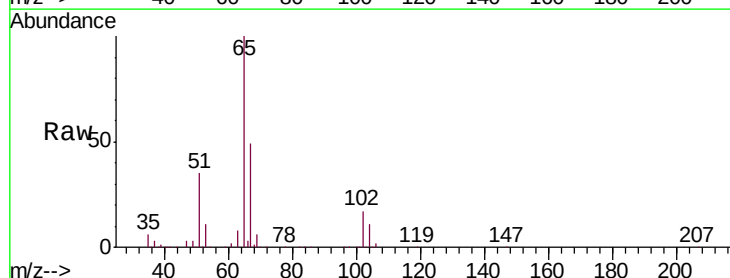
Acq: 07 Sep 2019 21:38

Tgt Ion: 65 Resp: 128833

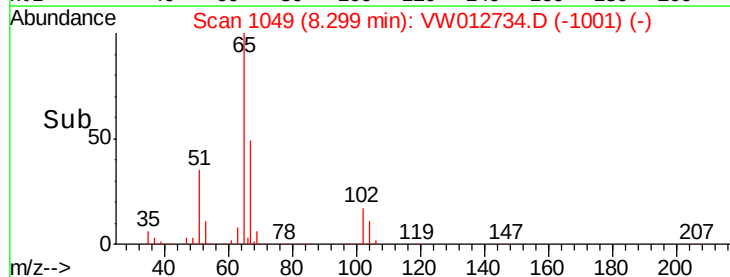
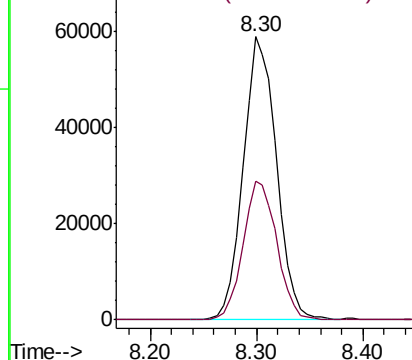
Ion Ratio Lower Upper

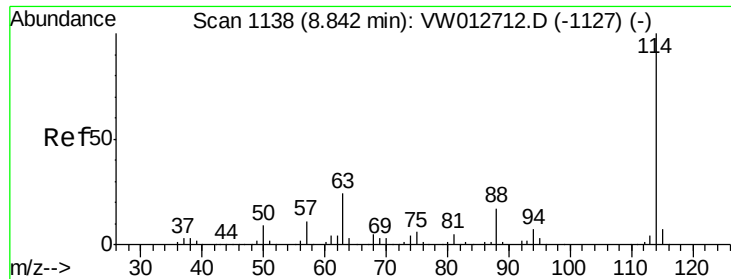
65 100

67 49.8 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

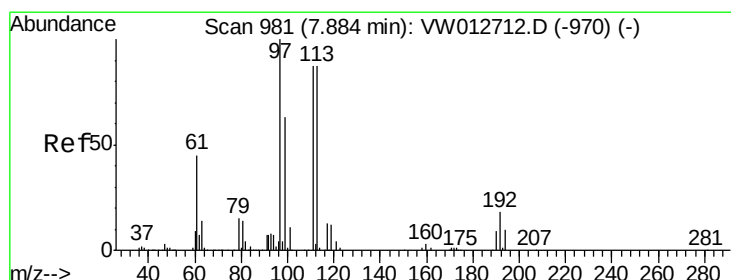
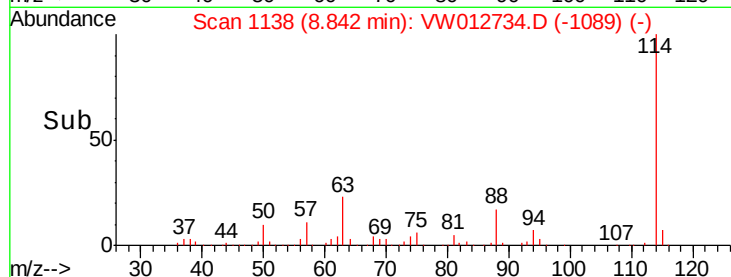
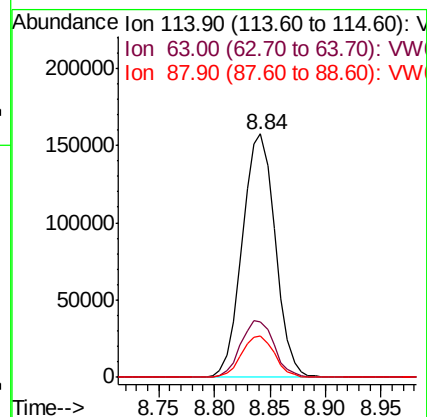
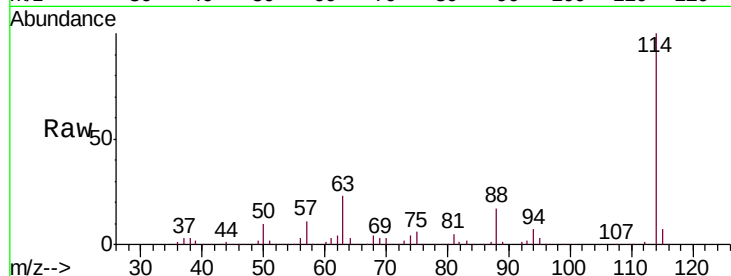




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012734.D
 Acq: 07 Sep 2019 21:38

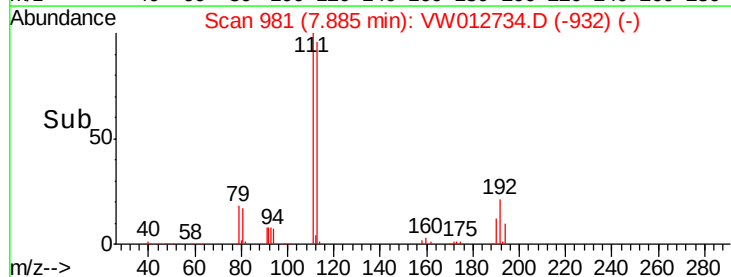
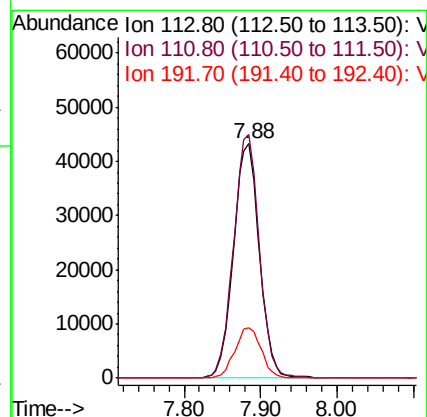
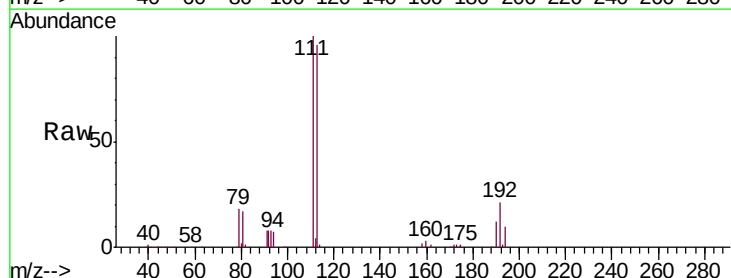
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-8-(0-2)

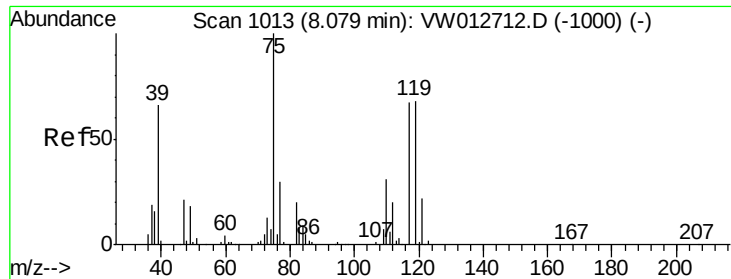
Tgt Ion:114 Resp: 323775
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 47.2
 88 17.0 0.0 34.0



#35
 Dibromofluoromethane
 Concen: 52.621 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012734.D
 Acq: 07 Sep 2019 21:38

Tgt Ion:113 Resp: 101291
 Ion Ratio Lower Upper
 113 100
 111 103.7 80.2 120.4
 192 22.0 17.3 25.9

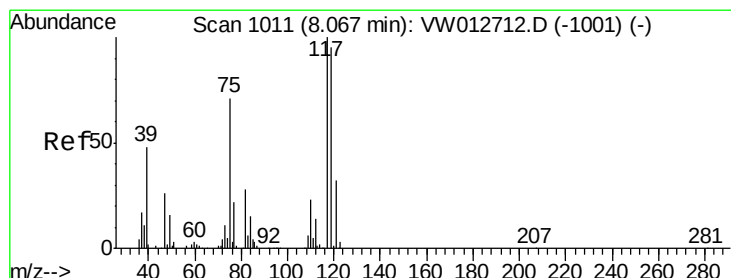
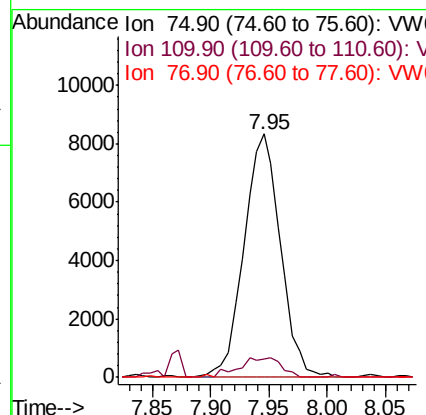
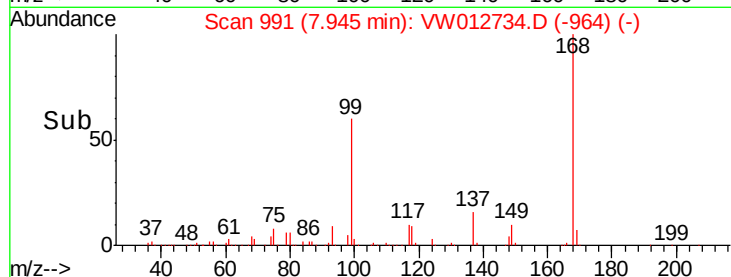
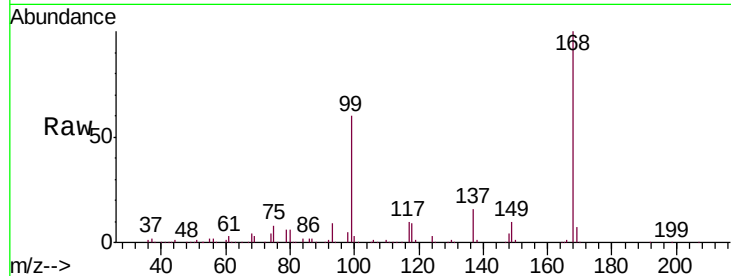




#36
 1,1-Dichloropropene
 Concen: 6.314 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012734.D
 Acq: 07 Sep 2019 21:38

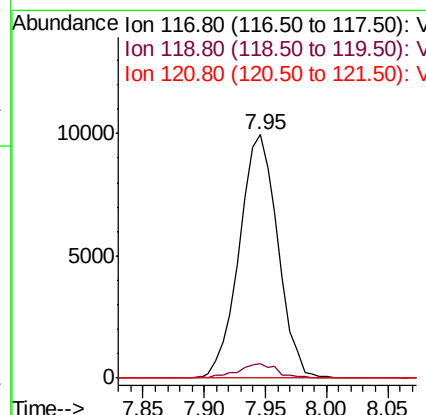
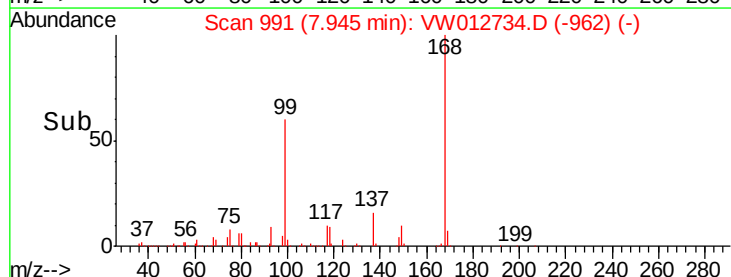
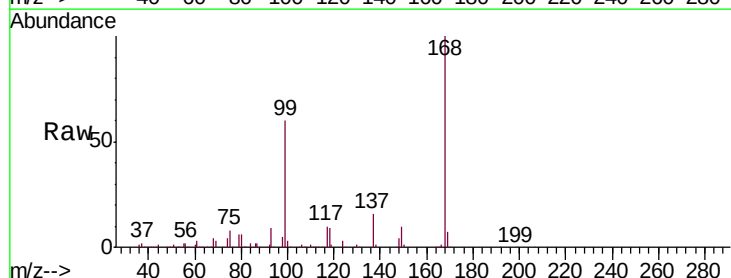
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-8-(0-2)

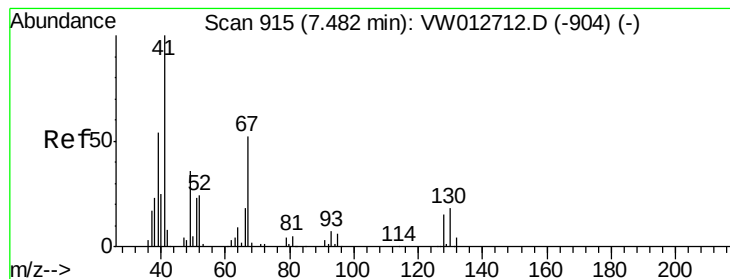
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	15.9	47.7#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 7.683 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012734.D
 Acq: 07 Sep 2019 21:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.2	114.2#
121	0.0	25.4	38.2#





#41

Methacrylonitrile

Concen: 3.889 ug/l

RT: 7.49 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW012734.D

Acq: 07 Sep 2019 21:38

Instrument :

MSVOA_W

ClientSampled :

SB-8-(0-2)

Tgt Ion: 41 Resp: 68

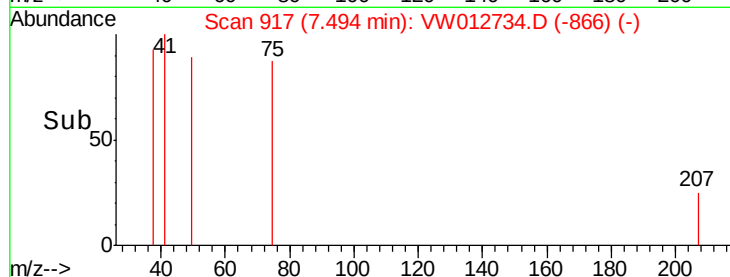
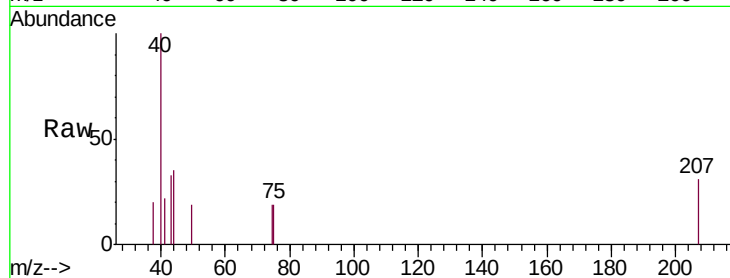
Ion Ratio Lower Upper

41 100

39 29.4 47.5 71.3#

67 0.0 45.1 67.7#

52 0.0 20.2 30.2#

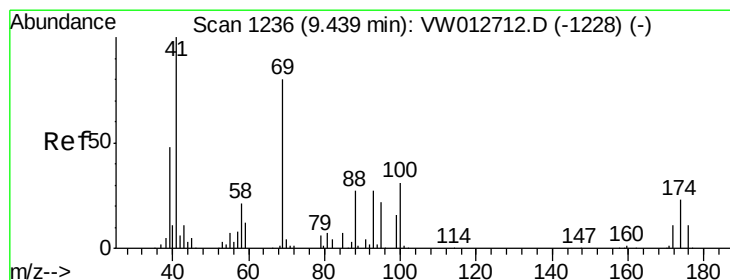
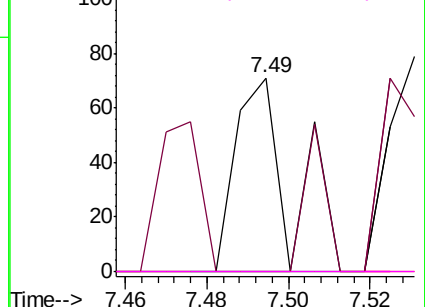


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 1.352 ug/l

RT: 9.23 min Scan# 1202

Delta R.T. -0.21 min

Lab File: VW012734.D

Acq: 07 Sep 2019 21:38

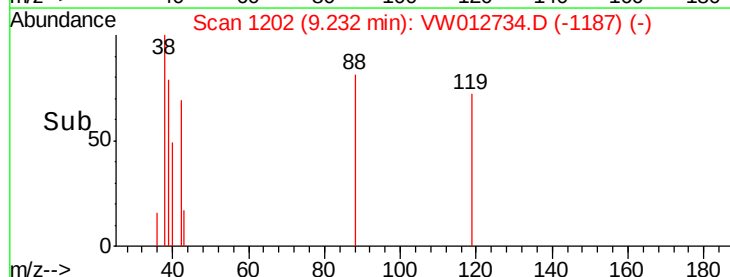
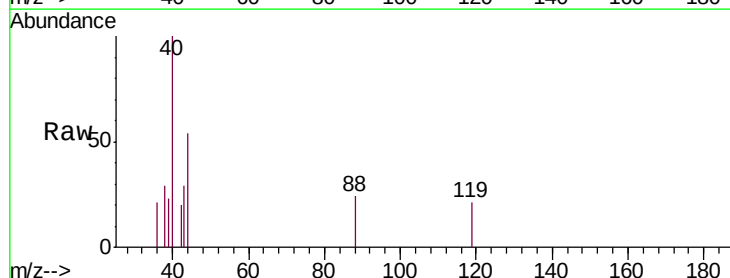
Tgt Ion: 88 Resp: 28

Ion Ratio Lower Upper

88 100

43 232.1 34.8 52.2#

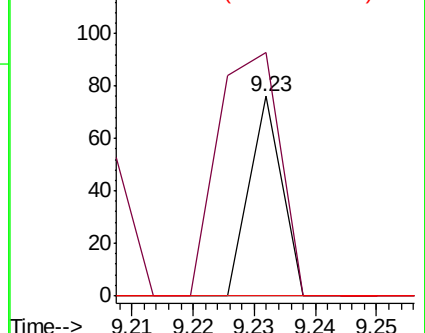
58 0.0 64.1 96.1#

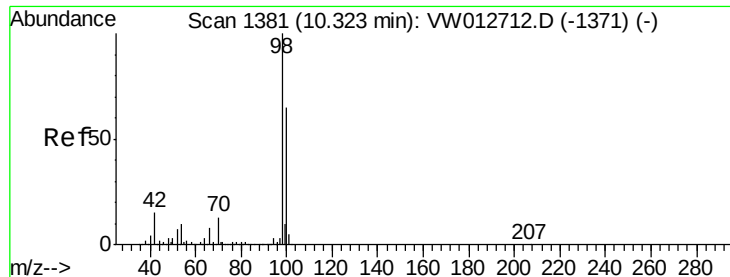


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 48.604 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012734.D

Acq: 07 Sep 2019 21:38

Instrument :

MSVOA_W

ClientSampleId :

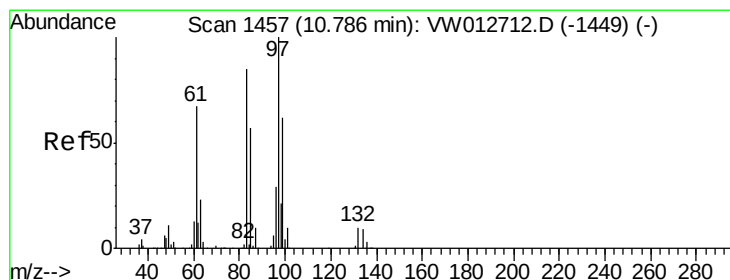
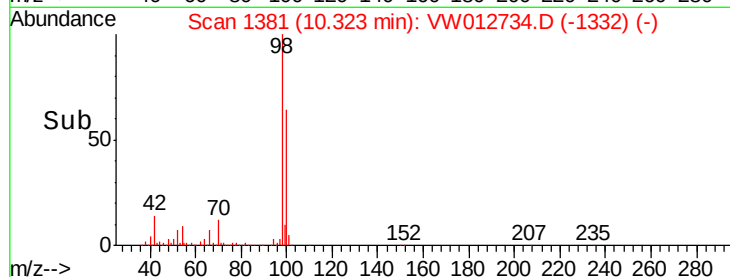
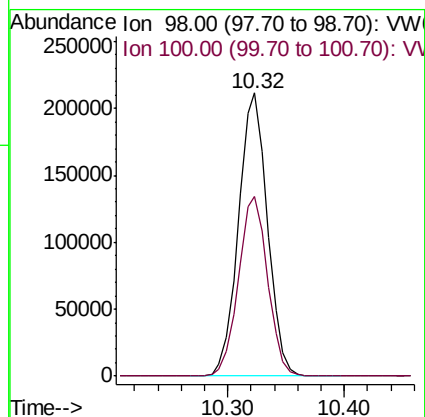
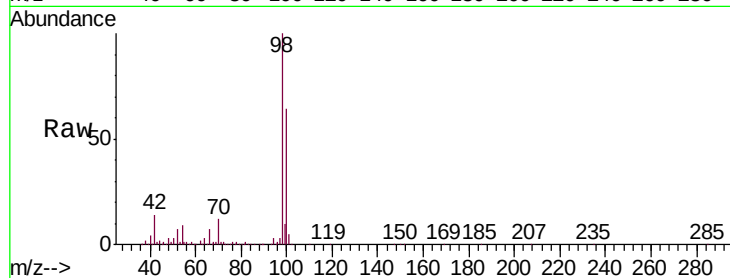
SB-8-(0-2)

Tgt Ion: 98 Resp: 366542

Ion Ratio Lower Upper

98 100

100 64.0 52.2 78.4



#55

1,1,2-Trichloroethane

Concen: 1.352 ug/l

RT: 10.80 min Scan# 1460

Delta R.T. 0.02 min

Lab File: VW012734.D

Acq: 07 Sep 2019 21:38

Tgt Ion: 97 Resp: 2122

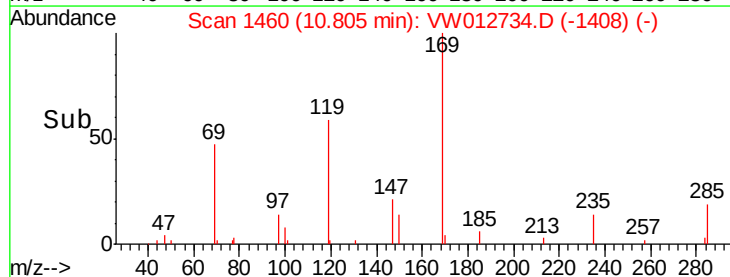
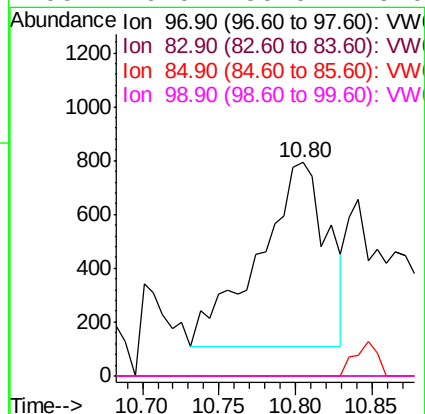
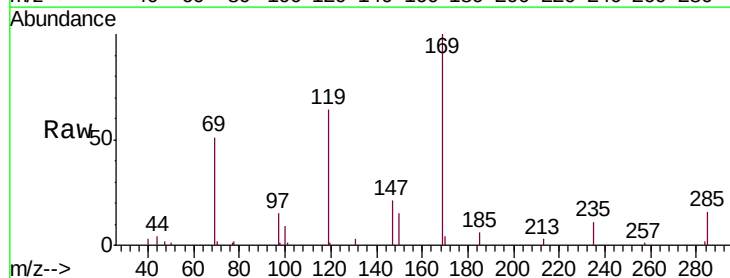
Ion Ratio Lower Upper

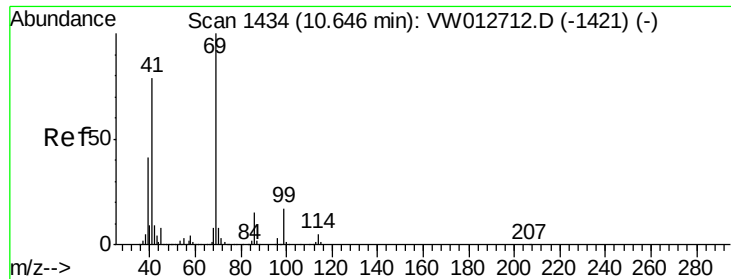
97 100

83 0.0 68.1 102.1#

85 0.0 45.3 67.9#

99 0.0 50.0 75.0#

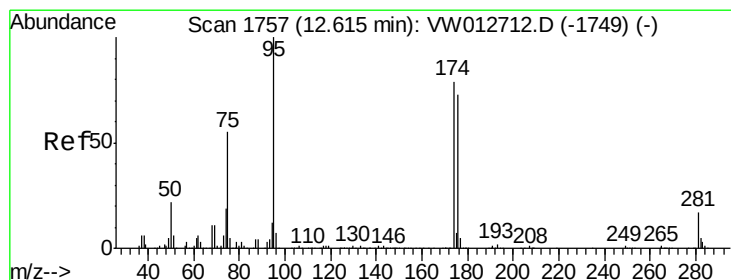
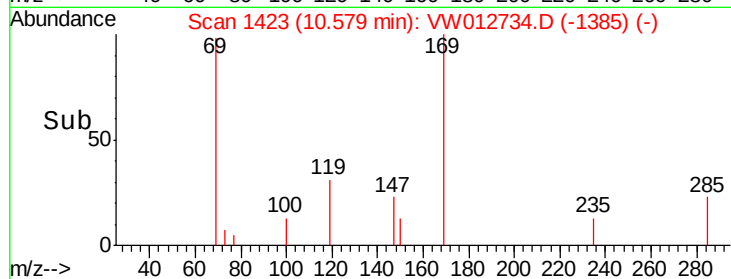
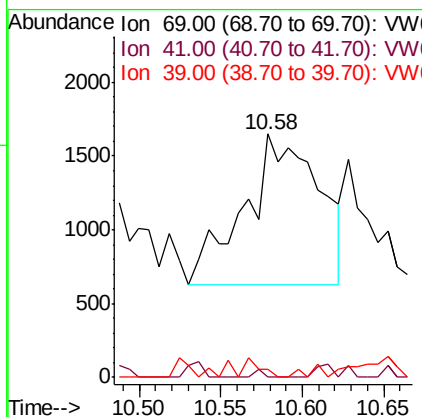
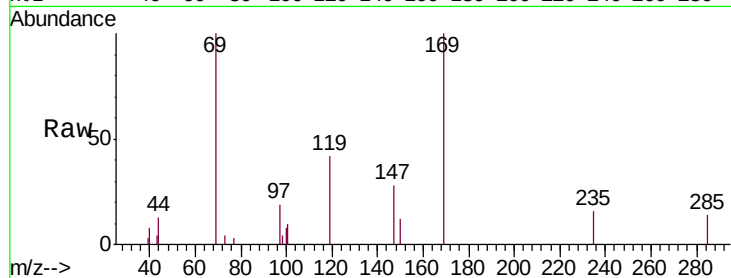




#56
 Ethyl methacrylate
 Concen: 1.407 ug/l
 RT: 10.58 min Scan# 1423
 Delta R.T. -0.07 min
 Lab File: VW012734.D
 Acq: 07 Sep 2019 21:38

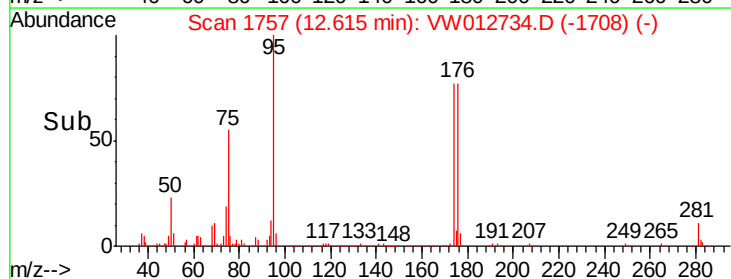
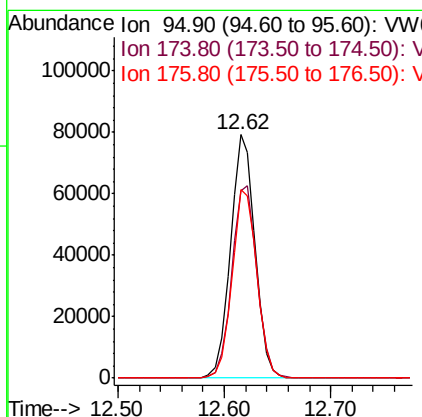
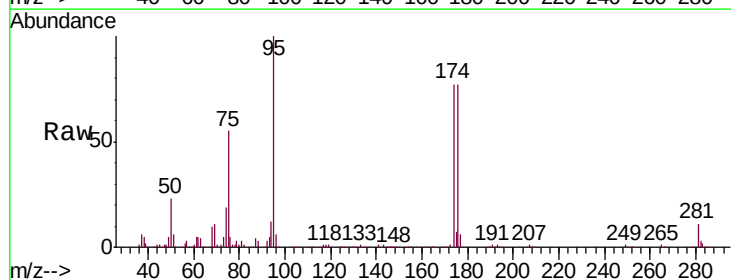
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-8-(0-2)

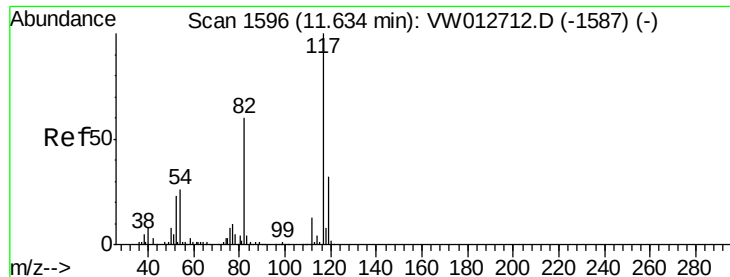
Tgt Ion: 69 Resp: 3233
 Ion Ratio Lower Upper
 69 100
 41 0.6 64.4 96.6#
 39 4.7 31.1 46.7#



#62
 4-Bromofluorobenzene
 Concen: 46.493 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012734.D
 Acq: 07 Sep 2019 21:38

Tgt Ion: 95 Resp: 127286
 Ion Ratio Lower Upper
 95 100
 174 80.9 0.0 161.0
 176 78.6 0.0 156.4

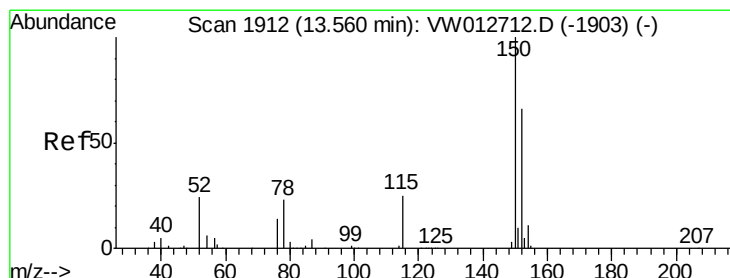
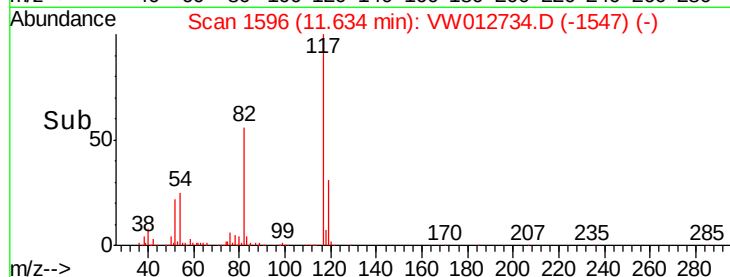
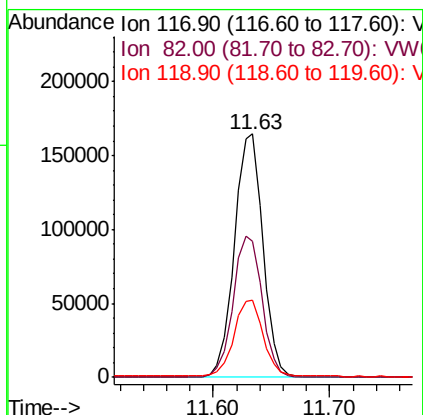
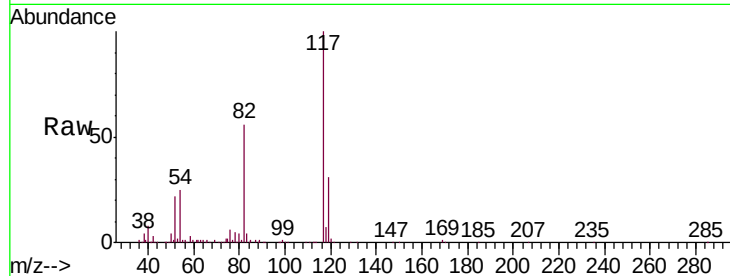




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012734.D
Acq: 07 Sep 2019 21:38

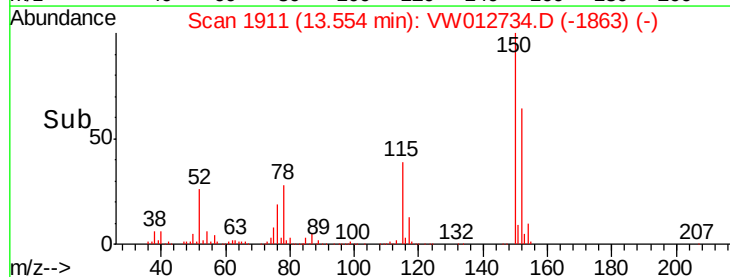
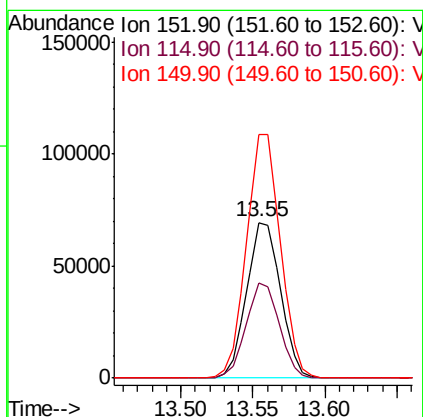
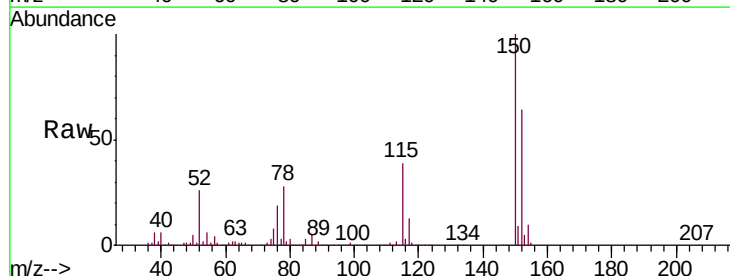
Instrument :
MSVOA_W
ClientSampleId :
SB-8-(0-2)

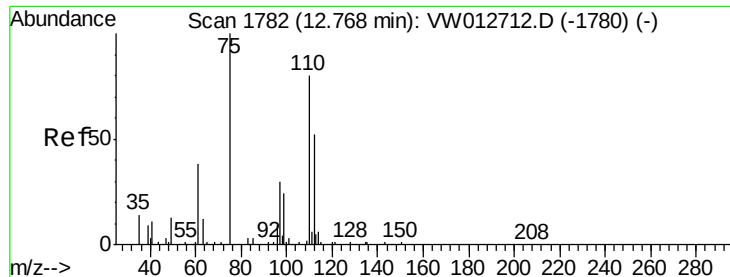
Tgt Ion:117 Resp: 280857
Ion Ratio Lower Upper
117 100
82 55.7 48.2 72.4
119 30.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012734.D
Acq: 07 Sep 2019 21:38

Tgt Ion:152 Resp: 112985
Ion Ratio Lower Upper
152 100
115 59.9 30.0 90.1
150 156.4 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 60.360 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012734.D

Acq: 07 Sep 2019 21:38

Instrument :

MSVOA_W

ClientSampleId :

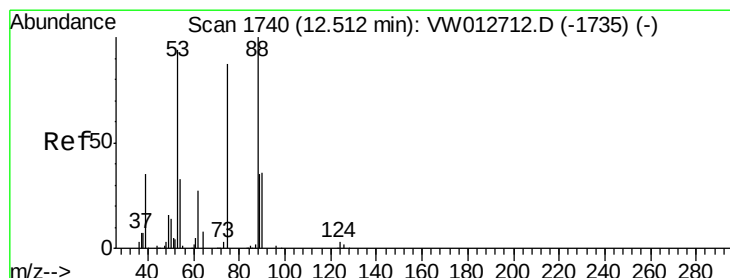
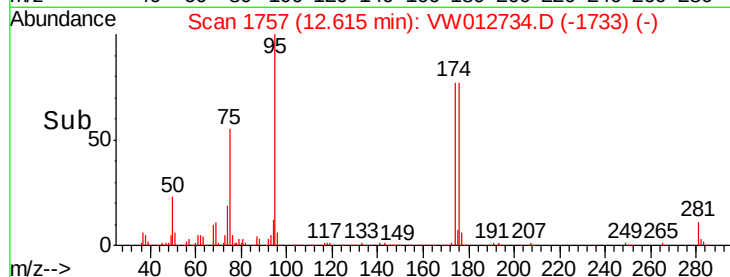
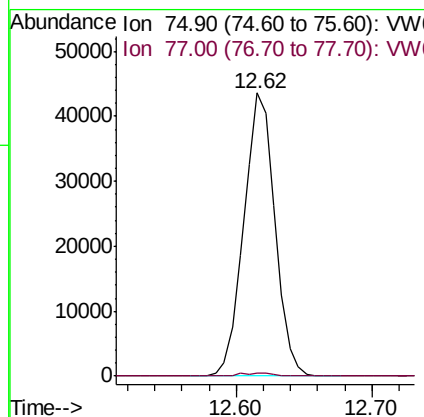
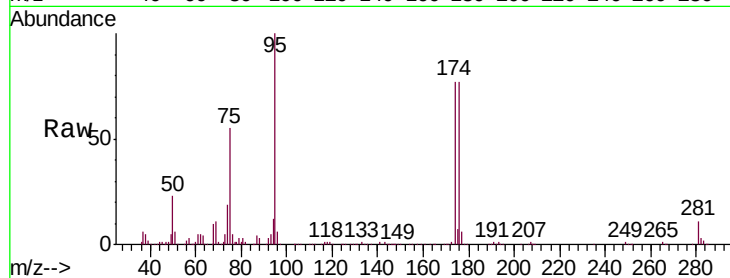
SB-8-(0-2)

Tgt Ion: 75 Resp: 69735

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 127.665 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012734.D

Acq: 07 Sep 2019 21:38

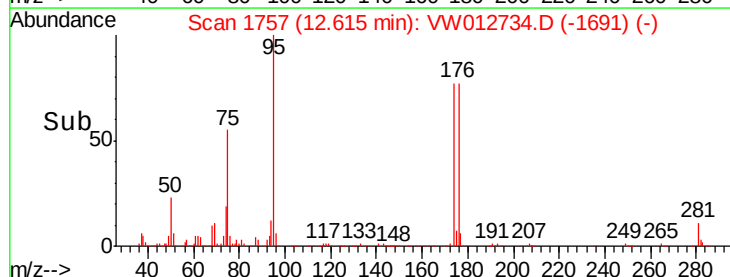
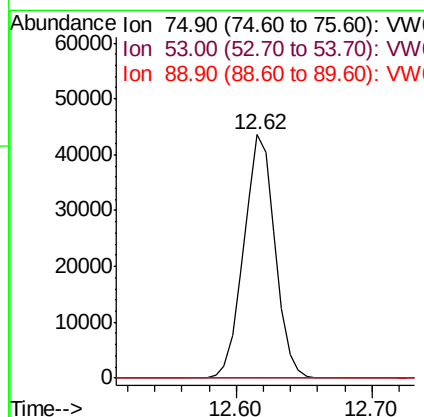
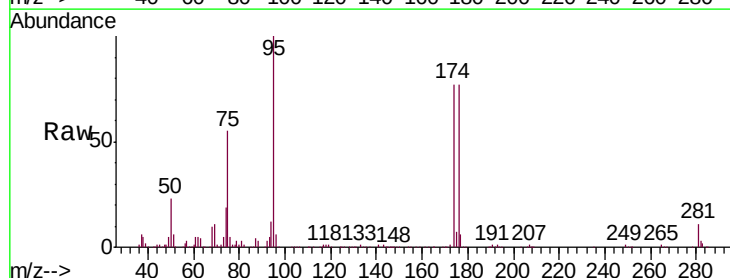
Tgt Ion: 75 Resp: 69735

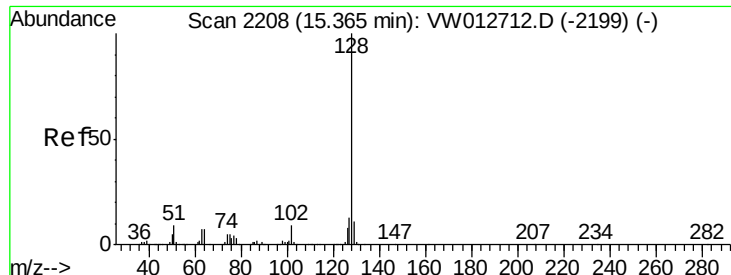
Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

89 0.0 35.5 53.3#





#95

Naphthalene

Concen: 4.449 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW012734.D

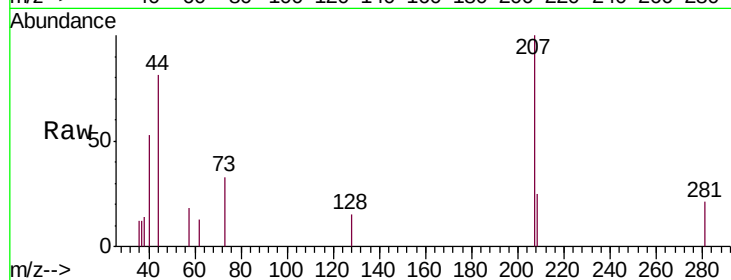
Acq: 07 Sep 2019 21:38

Instrument :

MSVOA_W

ClientSampleId :

SB-8-(0-2)



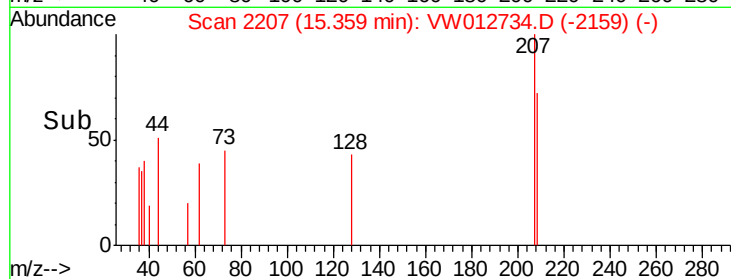
Tgt Ion:128 Resp: 51

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

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

