

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU083119\
 Data File : VU034098.D
 Acq On : 30 Aug 2019 15:07
 Operator : JC/SP
 Sample : K4555-22
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TW-12

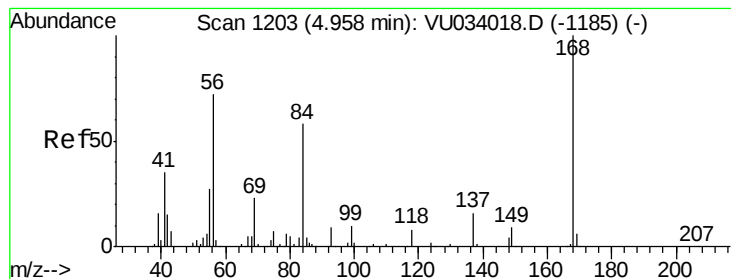
Quant Time: Aug 31 03:39:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	450804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	727254	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	708889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	364889	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	289816	50.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.34%	
35) Dibromofluoromethane	4.86	113	237549	47.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.18%	
50) Toluene-d8	7.55	98	909402	48.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.30%	
62) 4-Bromofluorobenzene	10.29	95	330797	45.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	2421	Below Cal		93
5) Bromomethane	1.60	94	87	Below Cal	#	2
11) Tert butyl alcohol	2.81	59	602	0.452	ug/l #	73
16) Acetone	2.31	43	14691	4.984	ug/l	99
18) Methyl Acetate	2.43	43	5134	0.674	ug/l #	51
31) Cyclohexane	4.96	56	8069	0.935	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	33747	4.906	ug/l #	49
38) Carbon Tetrachloride	4.96	117	41406	6.236	ug/l #	16
56) Ethyl methacrylate	8.03	69	43	0.976	ug/l #	65
76) 1,2,3-Trichloropropane	10.29	75	157574	19.160	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	157574	64.518	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.52	180	192	1.138	ug/l #	68
95) Naphthalene	13.77	128	2069	1.877	ug/l #	75

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034098.D

Acq: 30 Aug 2019 15:07

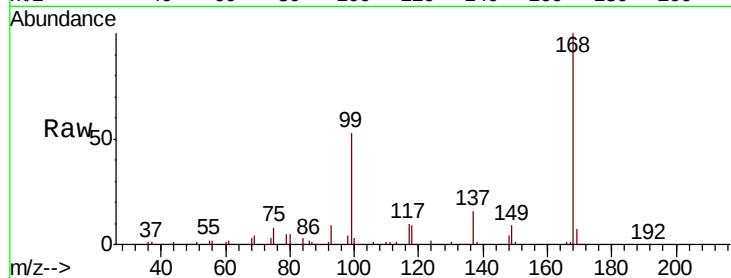
Instrument :
MSVOA_U
ClientSampleId :
TW-12

Tgt Ion: 168 Resp: 450804

Ion Ratio Lower Upper

168 100

99 53.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034018.D (-1185) (-)

4.96

200000

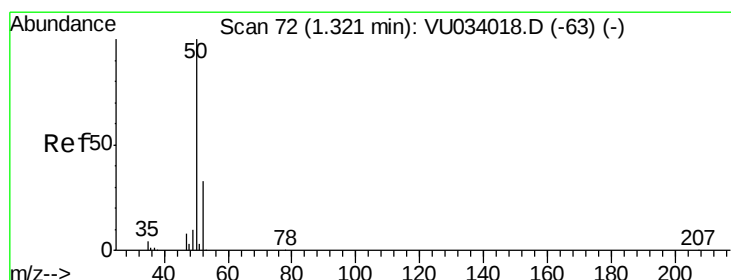
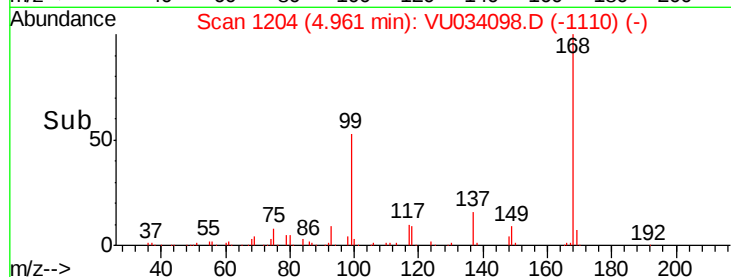
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 74

Delta R.T. 0.01 min

Lab File: VU034098.D

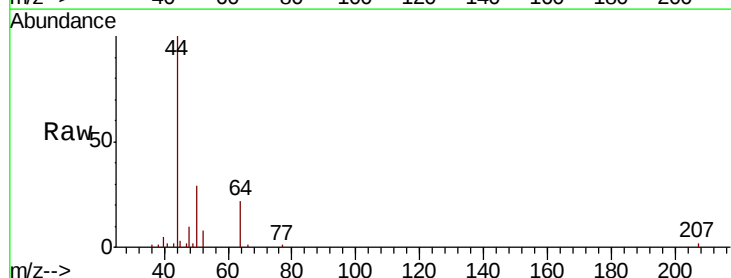
Acq: 30 Aug 2019 15:07

Tgt Ion: 50 Resp: 2421

Ion Ratio Lower Upper

50 100

52 28.6 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU034018.D (-63) (-)

Ion 51.90 (51.60 to 52.60): VU034018.D (-63) (-)

1.33

2500

2000

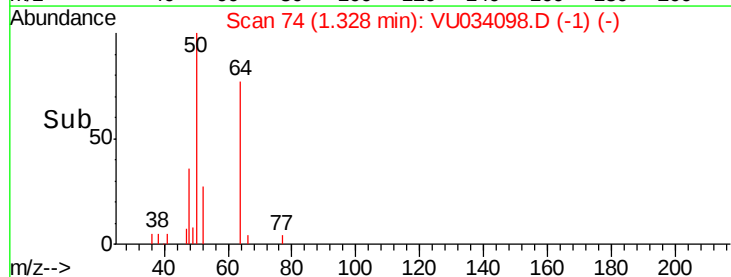
1500

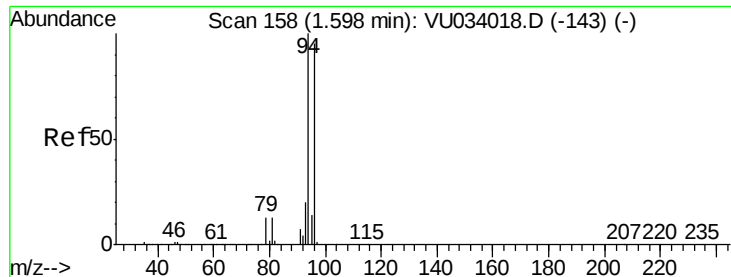
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.60 min Scan# 160

Delta R.T. 0.01 min

Lab File: VU034098.D

Acq: 30 Aug 2019 15:07

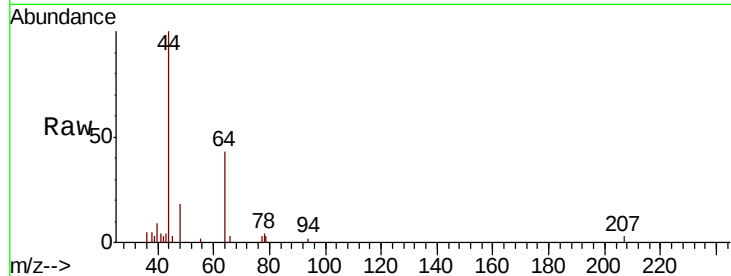
Instrument :
MSVOA_U
ClientSampleId :
TW-12

Tgt Ion: 94 Resp: 87

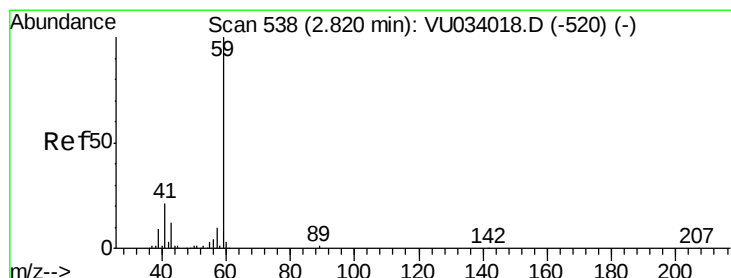
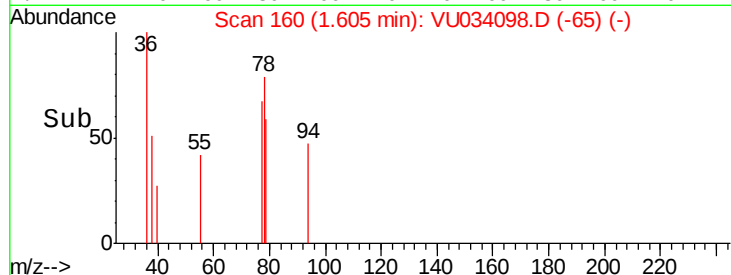
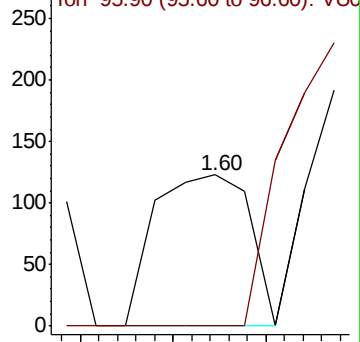
Ion Ratio Lower Upper

94 100

96 0.0 76.3 114.5#



Abundance Ion 93.90 (93.60 to 94.60): VU034098.D (-160) (-)



#11

Tert butyl alcohol

Concen: 0.452 ug/l

RT: 2.81 min Scan# 535

Delta R.T. -0.01 min

Lab File: VU034098.D

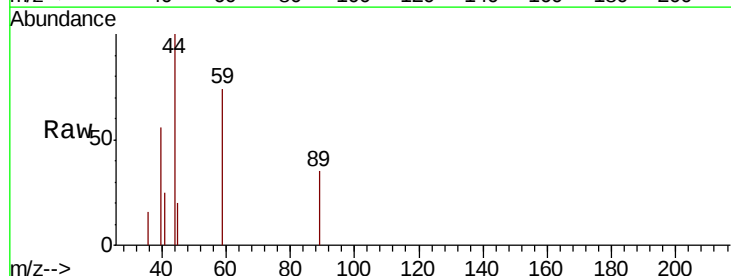
Acq: 30 Aug 2019 15:07

Tgt Ion: 59 Resp: 602

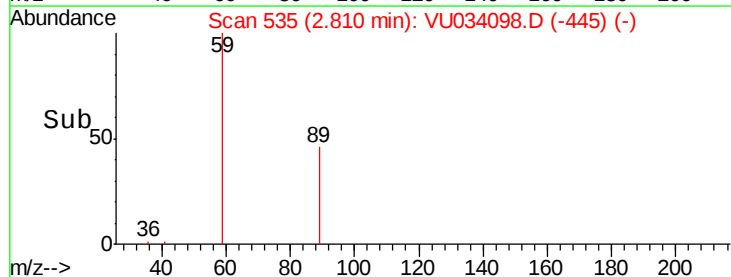
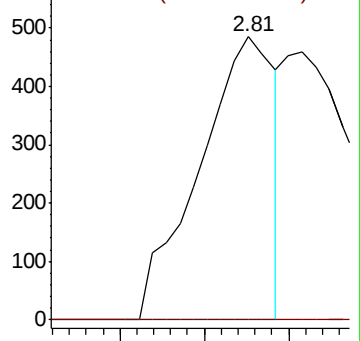
Ion Ratio Lower Upper

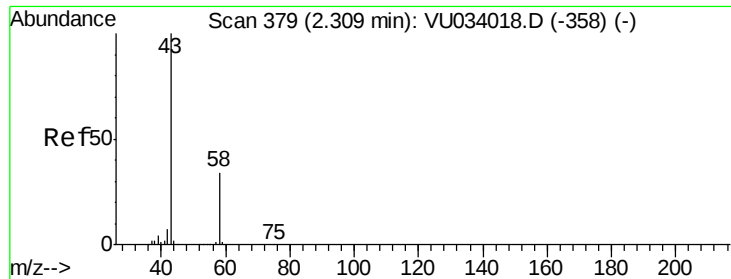
59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU034098.D (-535) (-)





#16

Acetone

Concen: 4.984 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034098.D

Acq: 30 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

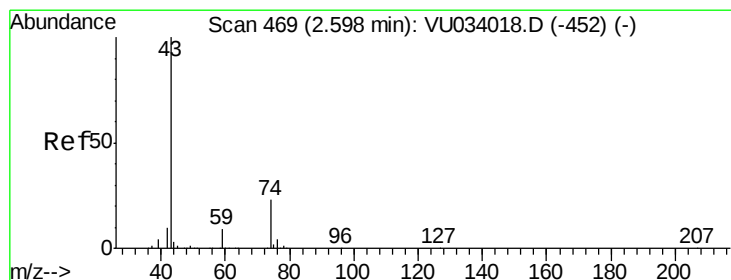
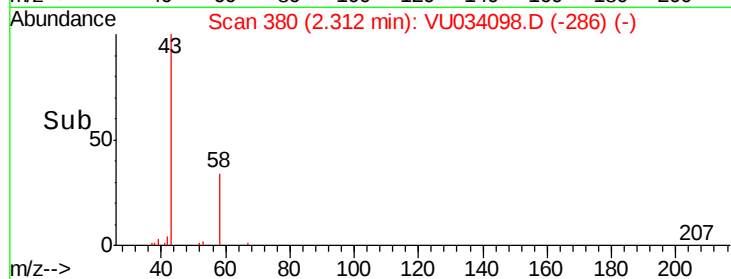
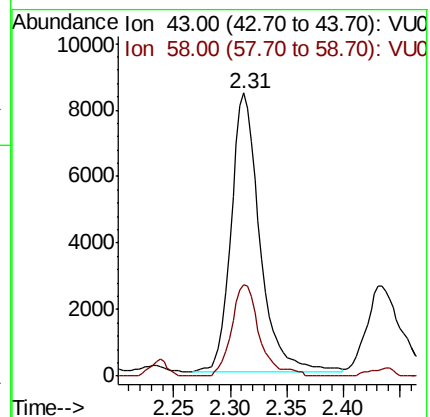
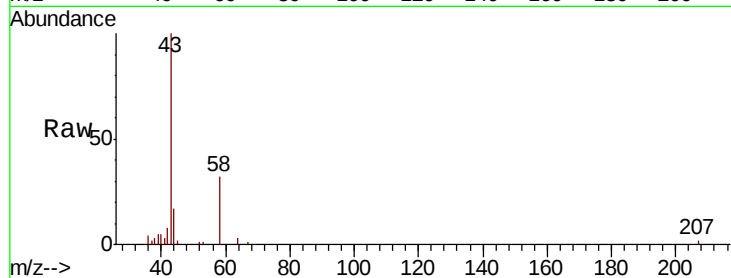
TW-12

Tgt Ion: 43 Resp: 14691

Ion Ratio Lower Upper

43 100

58 32.7 26.8 40.2



#18

Methyl Acetate

Concen: 0.674 ug/l

RT: 2.43 min Scan# 418

Delta R.T. -0.16 min

Lab File: VU034098.D

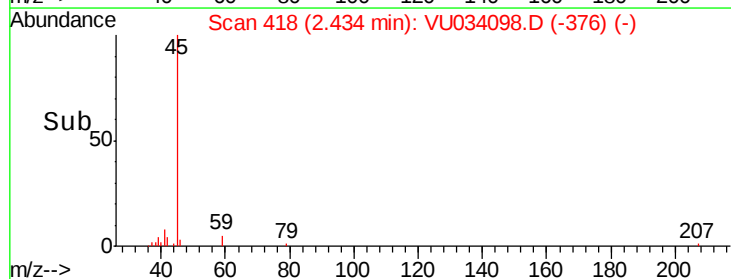
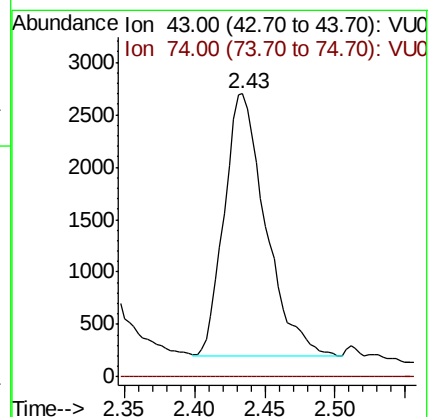
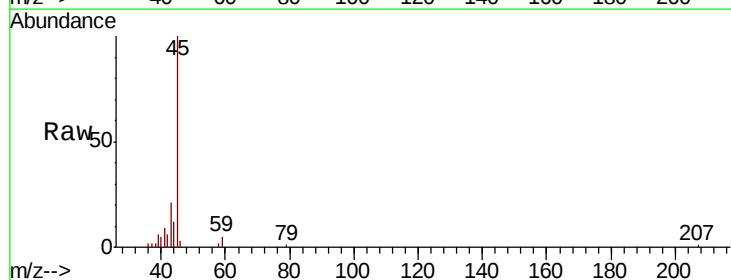
Acq: 30 Aug 2019 15:07

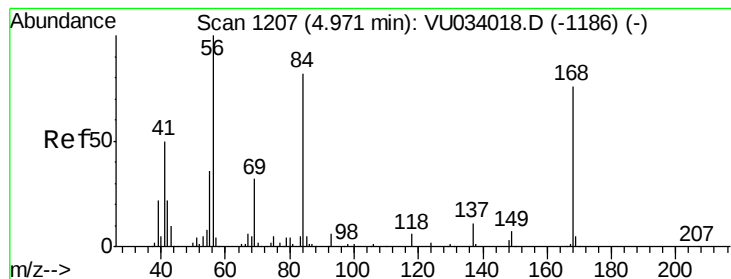
Tgt Ion: 43 Resp: 5134

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#





#31

Cyclohexane

Concen: 0.935 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034098.D

Acq: 30 Aug 2019 15:07

Instrument :
MSVOA_U
ClientSampled :
TW-12

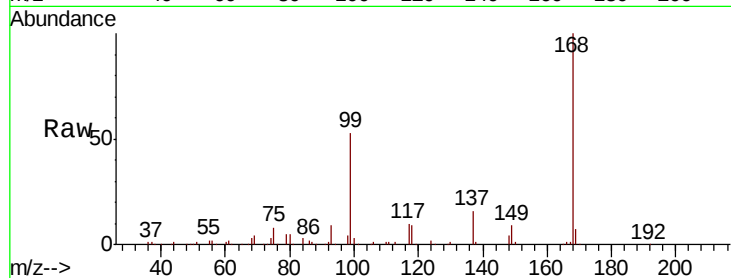
Tgt Ion: 56 Resp: 8069

Ion Ratio Lower Upper

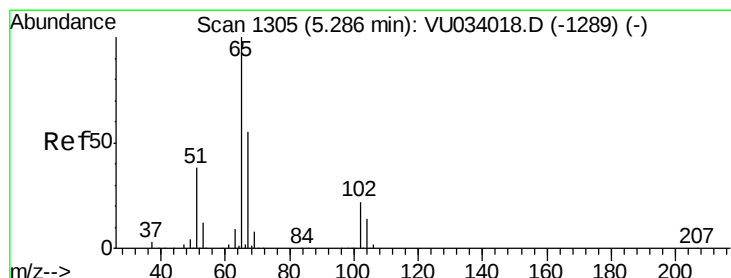
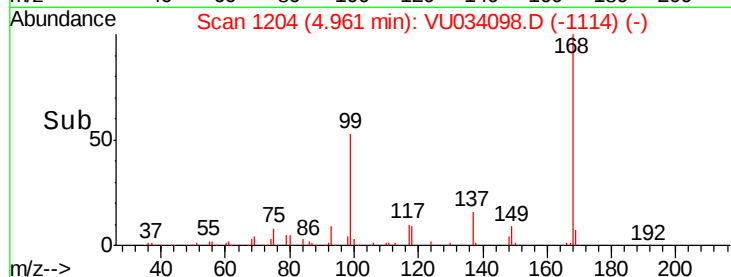
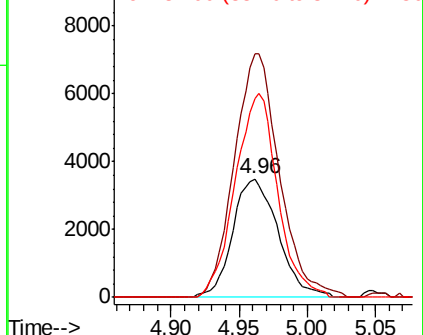
56 100

69 205.6 25.4 38.0#

84 167.8 65.8 98.8#



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 50.173 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034098.D

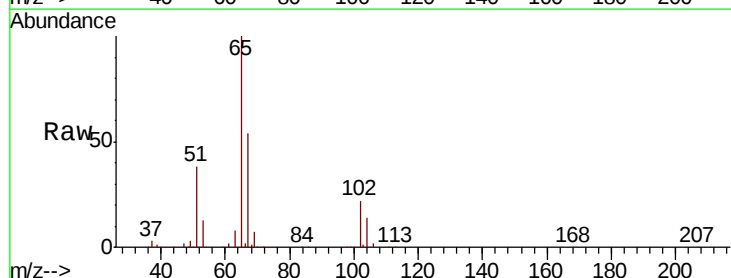
Acq: 30 Aug 2019 15:07

Tgt Ion: 65 Resp: 289816

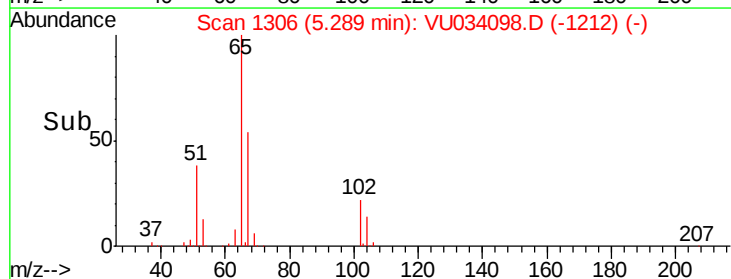
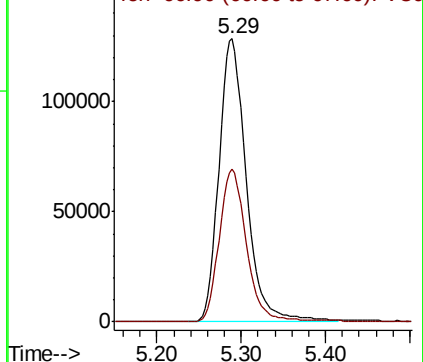
Ion Ratio Lower Upper

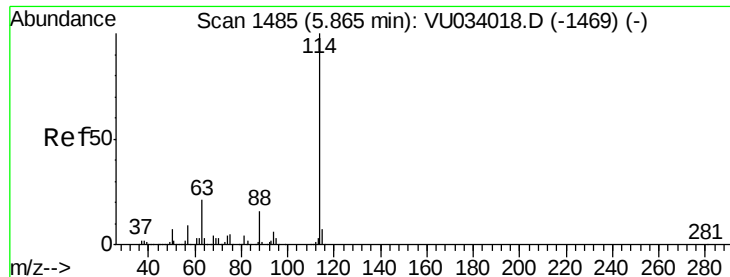
65 100

67 54.0 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

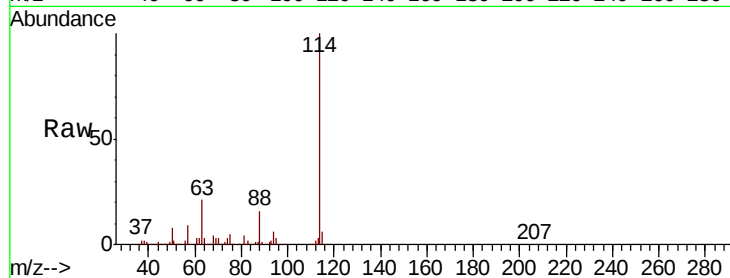




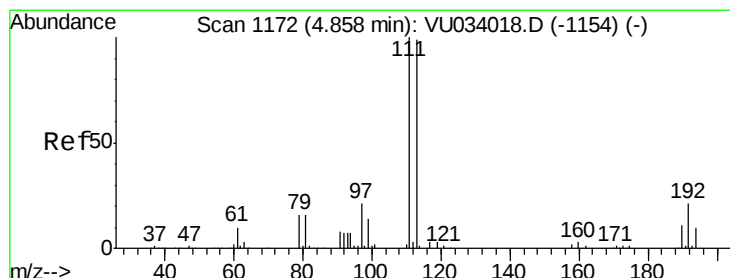
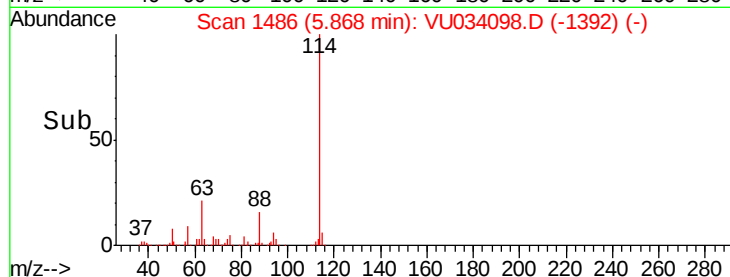
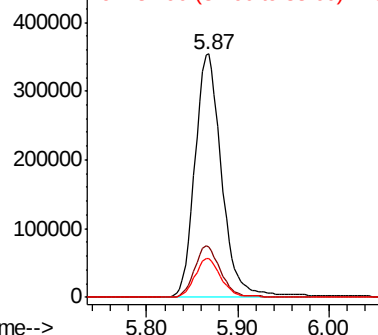
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034098.D
 Acq: 30 Aug 2019 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 TW-12

Tgt Ion:	114	Resp:	727254
Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	42.0
88	16.2	0.0	32.0

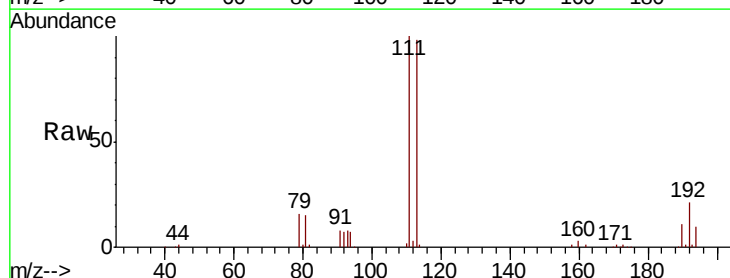


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

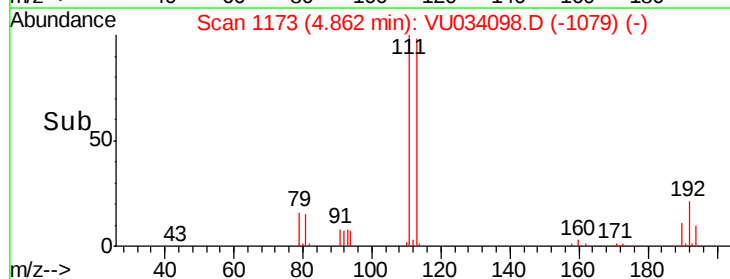
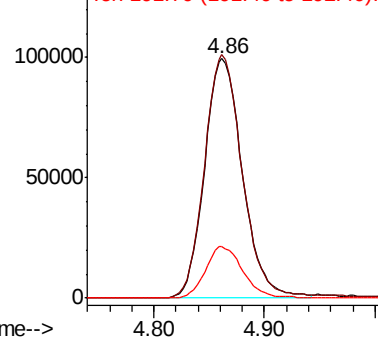


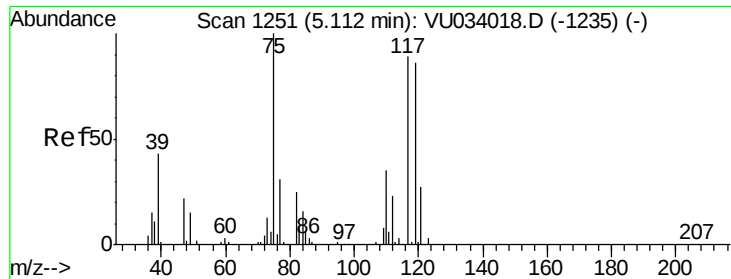
#35
 Dibromofluoromethane
 Concen: 47.094 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034098.D
 Acq: 30 Aug 2019 15:07

Tgt Ion:	113	Resp:	237549
Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.7	122.5
192	21.2	17.1	25.7



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

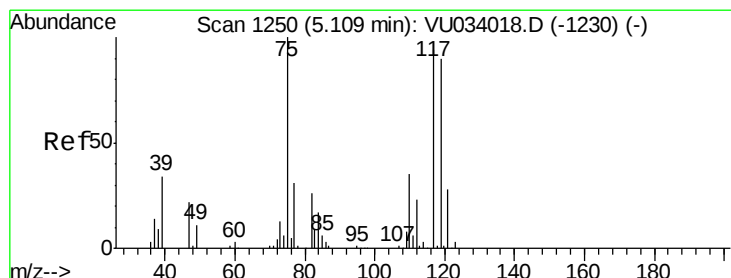
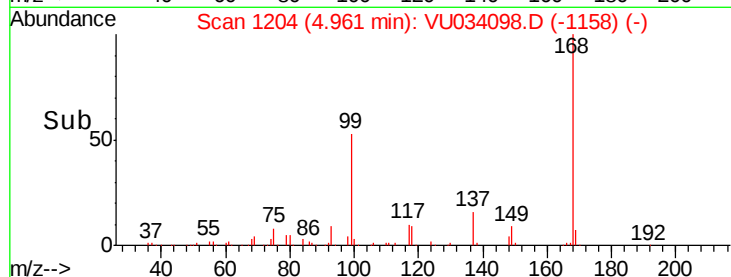
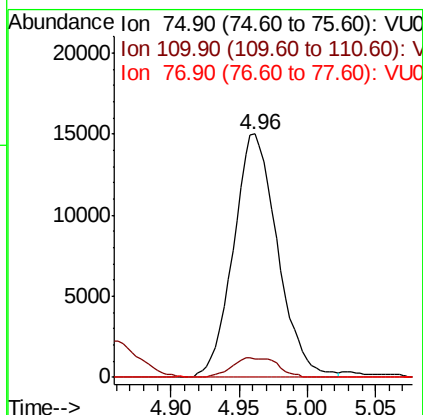
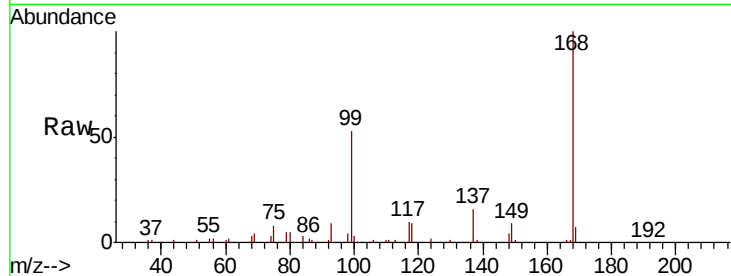




#36
 1,1-Dichloropropene
 Concen: 4.906 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034098.D
 Acq: 30 Aug 2019 15:07

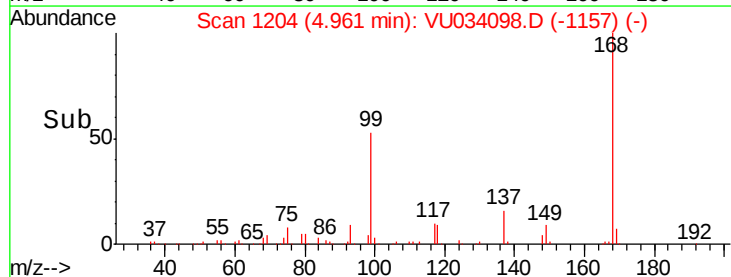
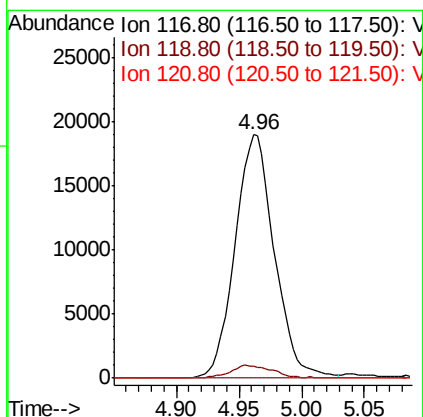
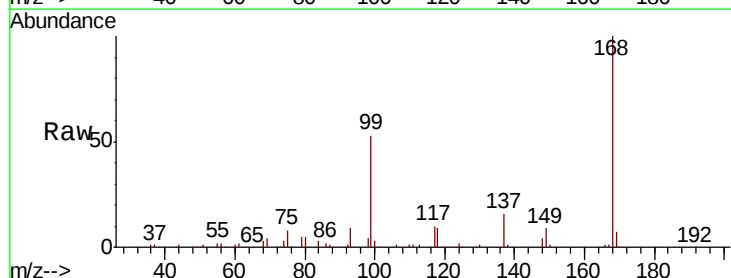
Instrument :
 MSVOA_U
 ClientSampleID :
 TW-12

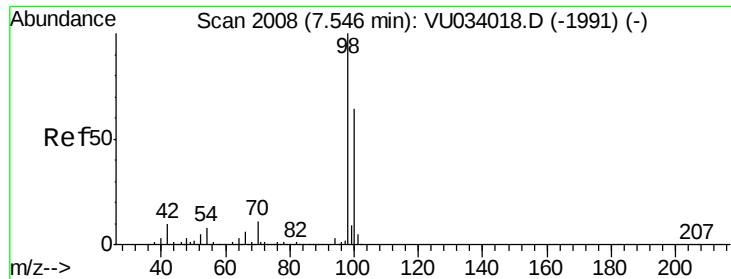
Tgt Ion: 75 Resp: 33747
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.8 53.5#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.236 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034098.D
 Acq: 30 Aug 2019 15:07

Tgt Ion: 117 Resp: 41406
 Ion Ratio Lower Upper
 117 100
 119 4.8 77.0 115.4#
 121 0.0 23.9 35.9#

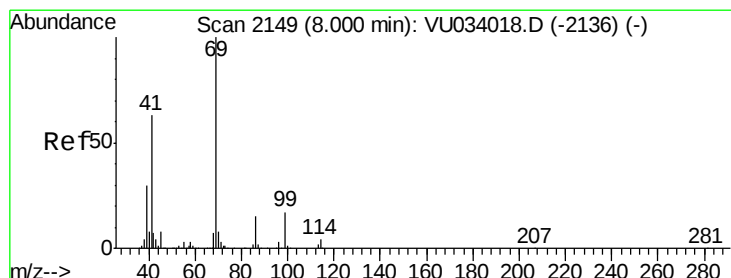
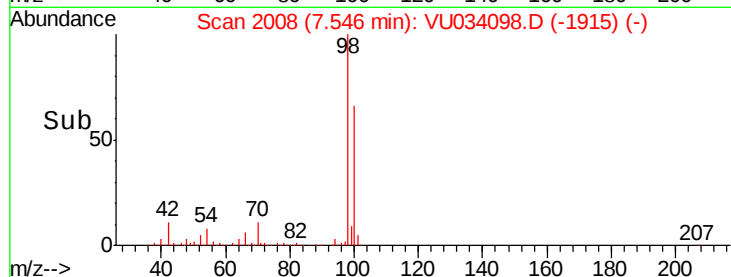
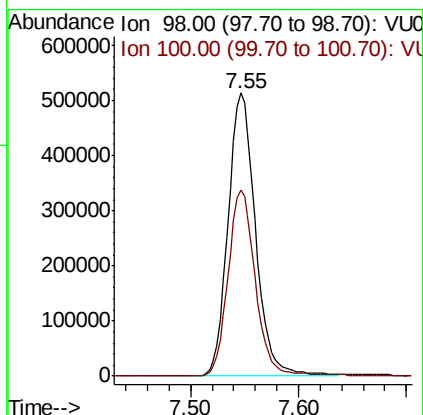
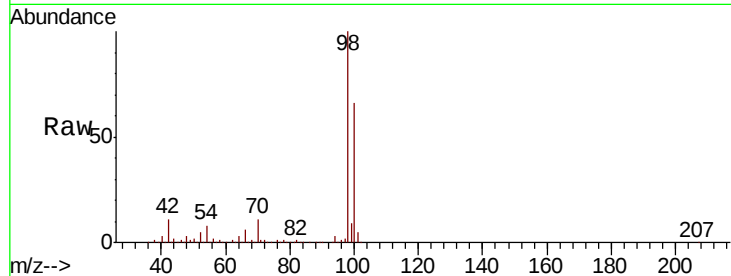




#50
Toluene-d8
Concen: 48.149 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034098.D
Acq: 30 Aug 2019 15:07

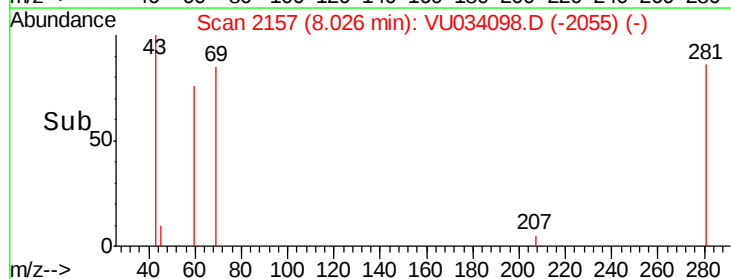
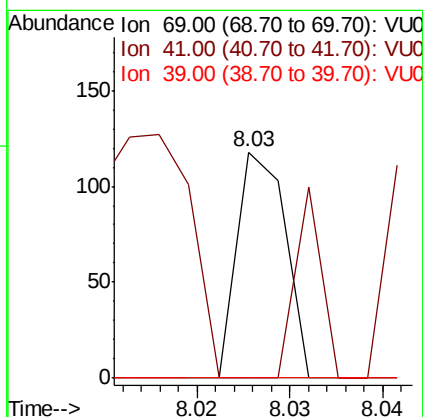
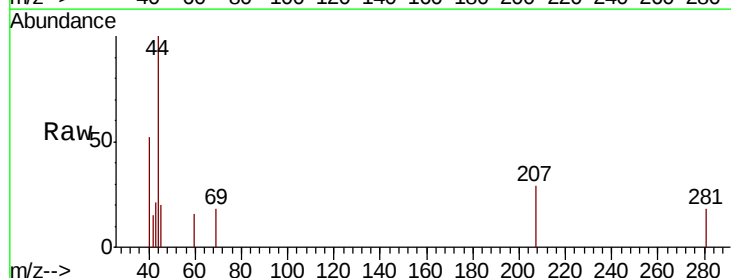
Instrument :
MSVOA_U
ClientSampleId :
TW-12

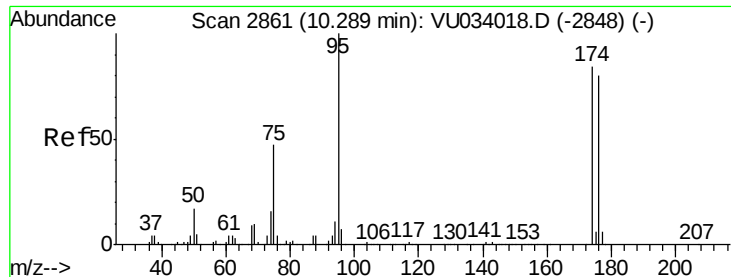
Tgt Ion: 98 Resp: 909402
Ion Ratio Lower Upper
98 100
100 65.3 50.3 75.5



#56
Ethyl methacrylate
Concen: 0.976 ug/l
RT: 8.03 min Scan# 2157
Delta R.T. 0.03 min
Lab File: VU034098.D
Acq: 30 Aug 2019 15:07

Tgt Ion: 69 Resp: 43
Ion Ratio Lower Upper
69 100
41 44.2 50.7 76.1#
39 0.0 24.2 36.2#

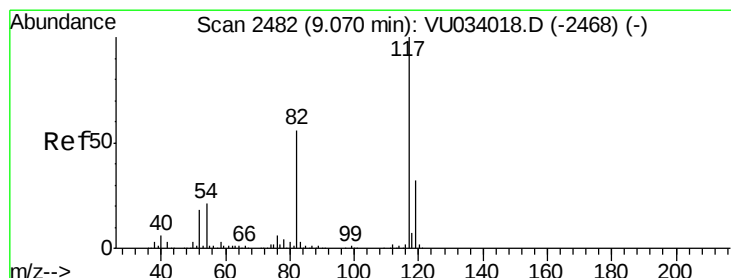
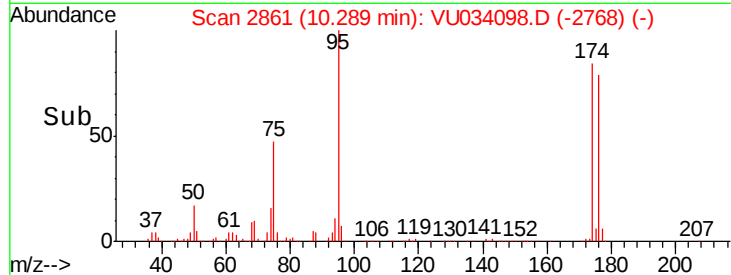
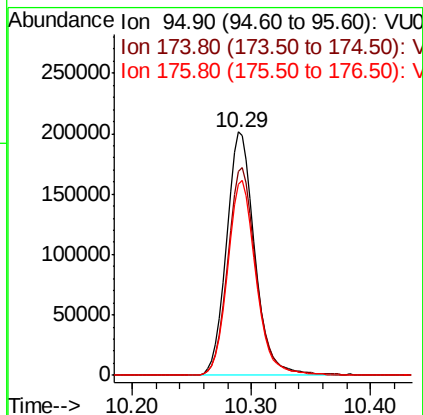
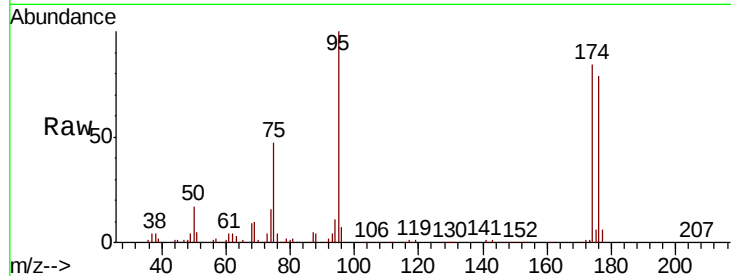




#62
4-Bromofluorobenzene
Concen: 45.025 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VU034098.D
Acq: 30 Aug 2019 15:07

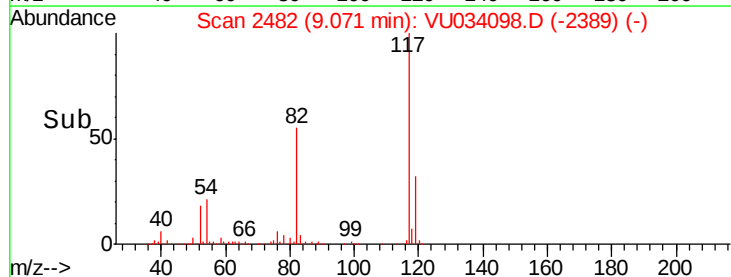
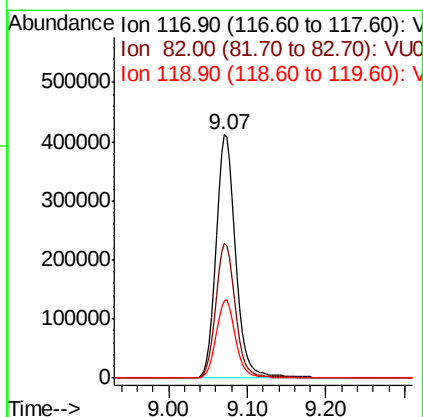
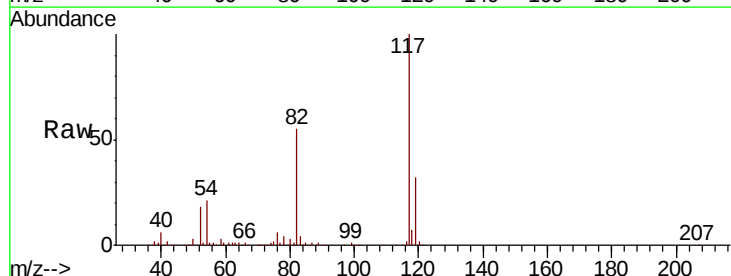
Instrument :
MSVOA_U
ClientSampleId :
TW-12

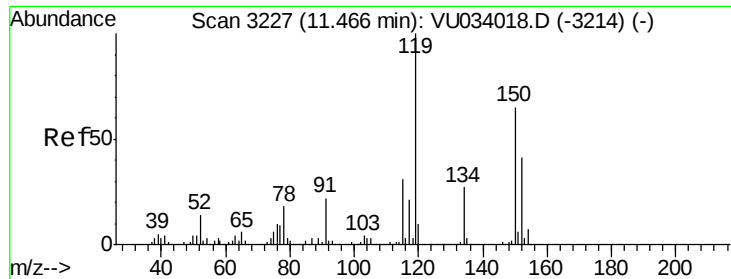
Tgt Ion: 95 Resp: 330797
Ion Ratio Lower Upper
95 100
174 86.3 0.0 168.8
176 80.4 0.0 161.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034098.D
Acq: 30 Aug 2019 15:07

Tgt Ion: 117 Resp: 708889
Ion Ratio Lower Upper
117 100
82 55.5 45.1 67.7
119 31.9 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU034098.D

Acq: 30 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

TW-12

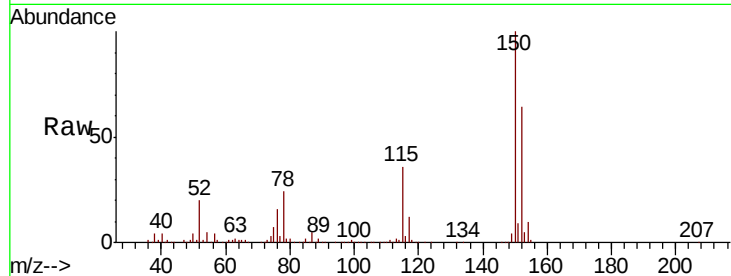
Tgt Ion:152 Resp: 364889

Ion Ratio Lower Upper

152 100

115 56.4 41.1 123.3

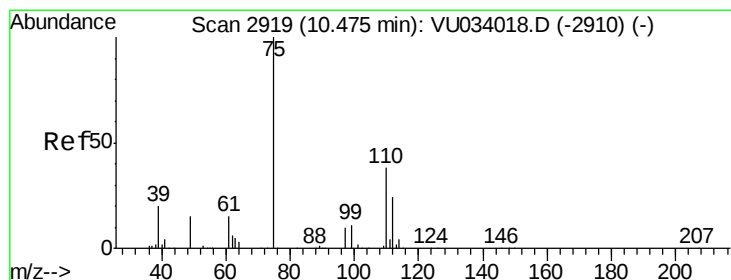
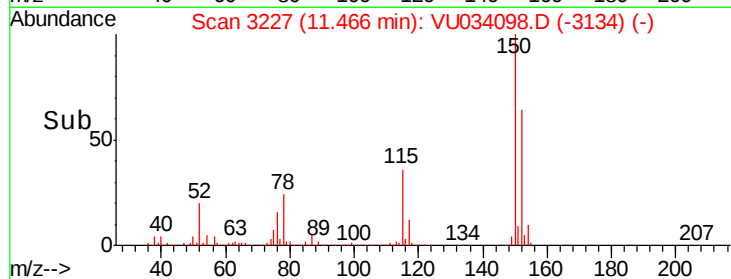
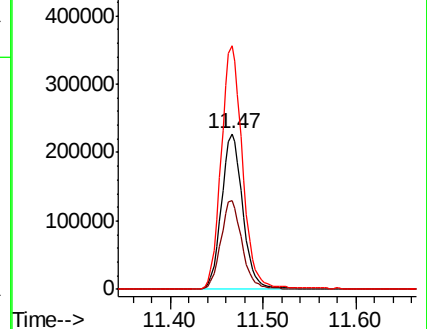
150 156.9 0.0 348.8



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: 19.160 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034098.D

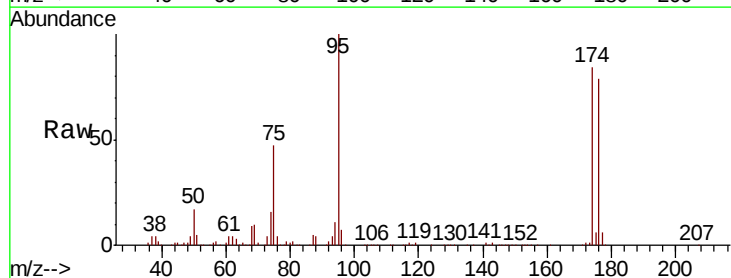
Acq: 30 Aug 2019 15:07

Tgt Ion: 75 Resp: 157574

Ion Ratio Lower Upper

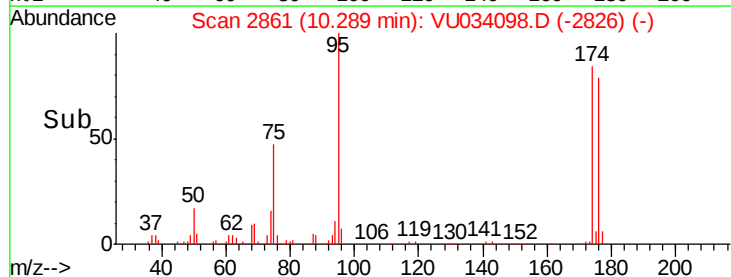
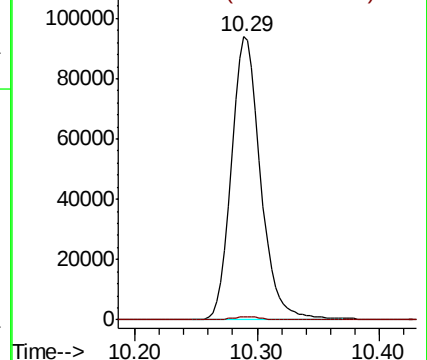
75 100

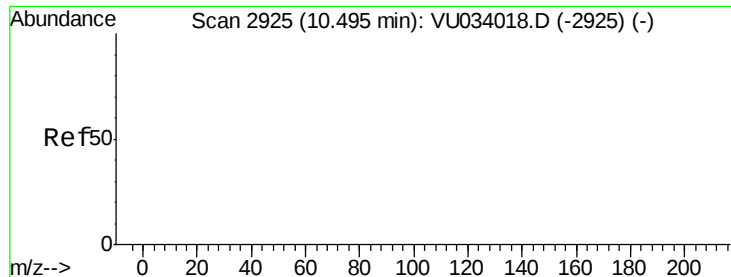
77 1.1 20.1 60.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 64.518 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.21 min

Lab File: VU034098.D

Acq: 30 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

TW-12

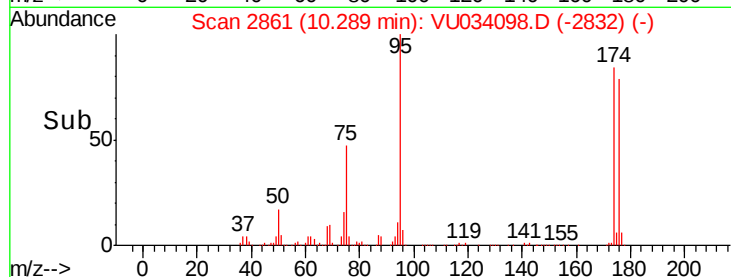
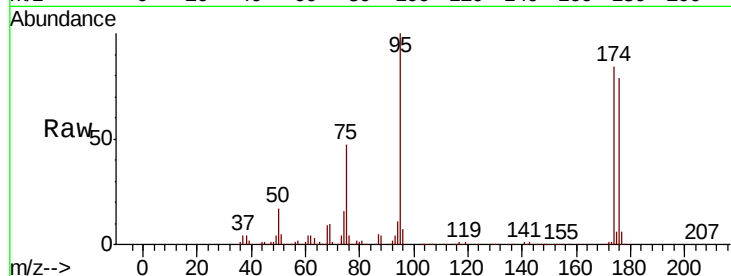
Tgt Ion: 75 Resp: 157574

Ion Ratio Lower Upper

75 100

53 0.1 0.0 0.0#

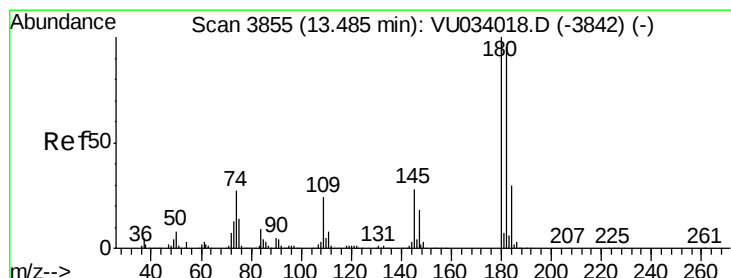
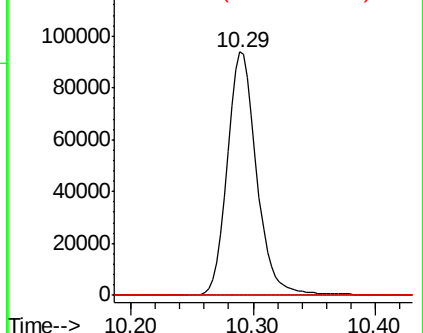
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#93

1,2,4-Trichlorobenzene

Concen: 1.138 ug/l

RT: 13.52 min Scan# 3867

Delta R.T. 0.04 min

Lab File: VU034098.D

Acq: 30 Aug 2019 15:07

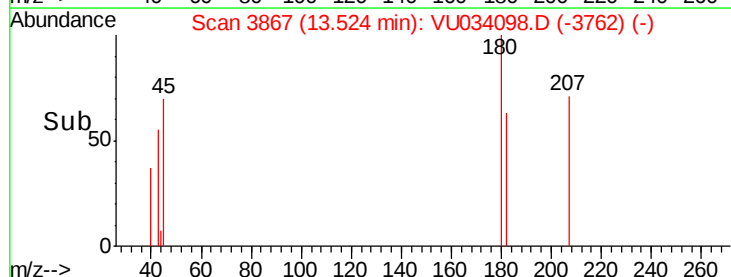
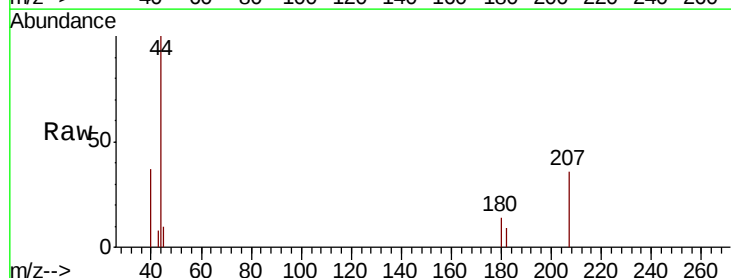
Tgt Ion: 180 Resp: 192

Ion Ratio Lower Upper

180 100

182 119.3 47.4 142.2

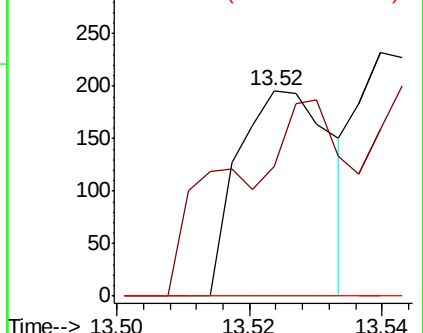
145 0.0 14.1 42.3#

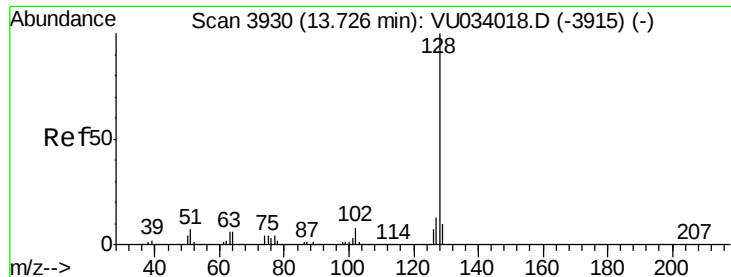


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 1.877 ug/l

RT: 13.77 min Scan# 3944

Delta R.T. 0.05 min

Lab File: VU034098.D

Acq: 30 Aug 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

TW-12

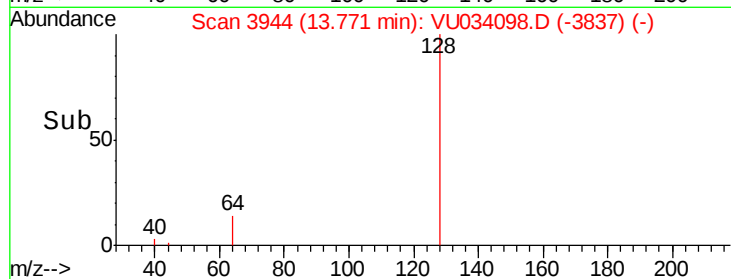
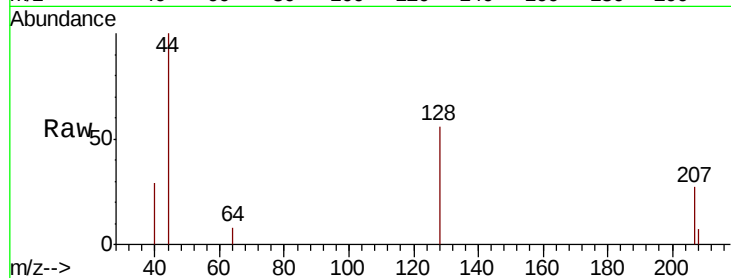
Tgt Ion:128 Resp: 2069

Ion Ratio Lower Upper

128 100

127 3.8 10.2 15.4#

129 0.0 8.4 12.6#



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

