

Data File : VU034219.D
Acq On : 03 Sep 2019 11:55
Operator : JC/SP
Sample : K4646-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EB-7-083019

Quant Time: Sep 04 04:20:00 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	432589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	698275	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	672388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	336046	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	273003	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
35) Dibromofluoromethane	4.86	113	229961	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
50) Toluene-d8	7.55	98	888922	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
62) 4-Bromofluorobenzene	10.29	95	308214	43.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.38%	

Target Compounds

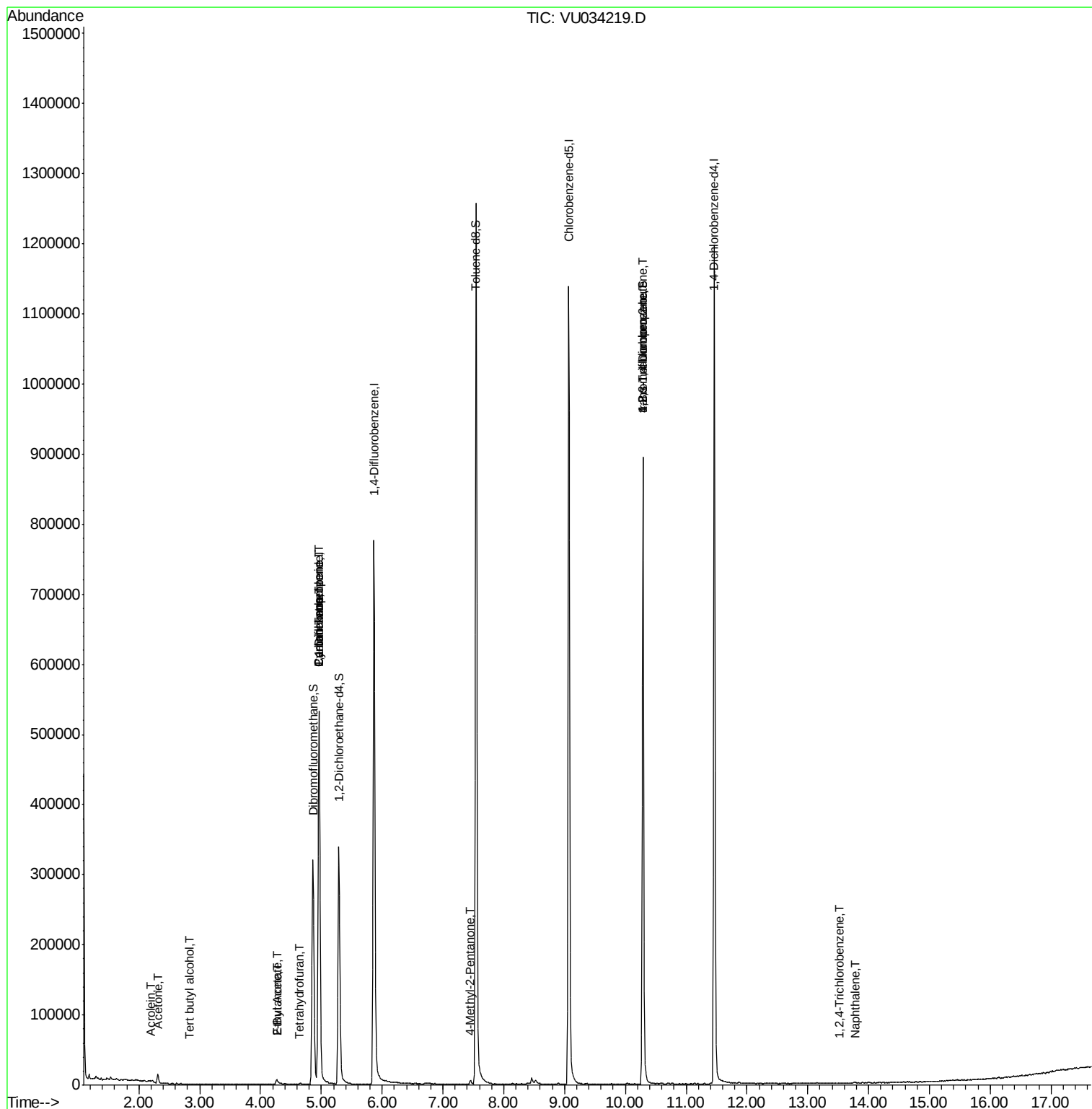
						Qvalue
3) Chloromethane	1.33	50	1059	Below Cal		94
5) Bromomethane	1.63	94	1037	Below Cal		82
11) Tert butyl alcohol	2.82	59	807	0.631	ug/l #	73
13) Acrolein	2.19	56	212	0.394	ug/l #	74
16) Acetone	2.31	43	14207	5.023	ug/l #	84
25) 2-Butanone	4.27	43	12255	3.114	ug/l	100
29) Tetrahydrofuran	4.64	42	1311	0.540	ug/l #	57
31) Cyclohexane	4.96	56	8037	0.971	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	30744	4.655	ug/l #	49
37) Ethyl Acetate	4.27	43	12255	1.657	ug/l #	68
38) Carbon Tetrachloride	4.96	117	39324	6.168	ug/l #	16
51) 4-Methyl-2-Pentanone	7.45	43	4576	0.589	ug/l #	61
76) 1,2,3-Trichloropropane	10.29	75	146032	19.281	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	146032	64.924	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.54	180	391	1.166	ug/l #	74
95) Naphthalene	13.76	128	1564	1.862	ug/l #	83

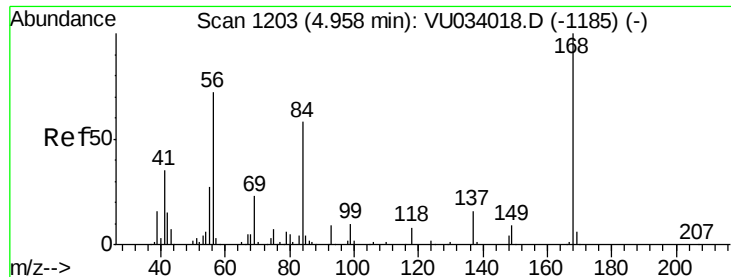
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034219.D

Acq: 03 Sep 2019 11:55

Instrument :

MSVOA_U

ClientSampleId :

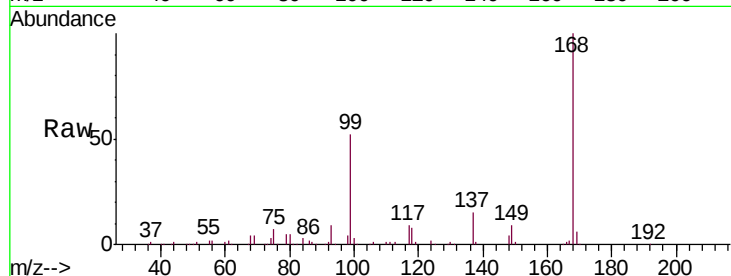
EB-7-083019

Tgt Ion:168 Resp: 432589

Ion Ratio Lower Upper

168 100

99 52.4 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

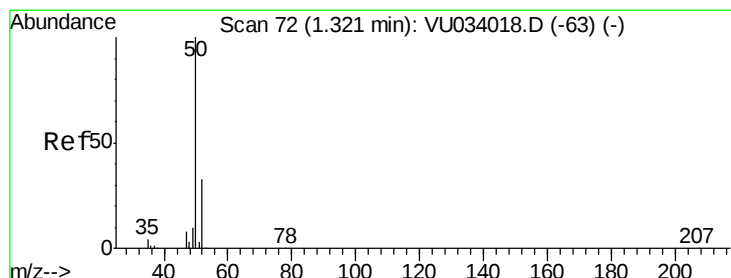
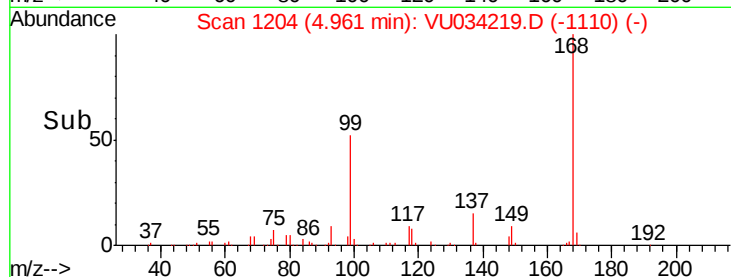
100000

50000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 74

Delta R.T. 0.01 min

Lab File: VU034219.D

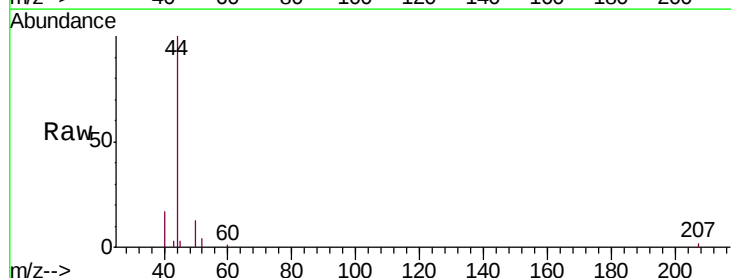
Acq: 03 Sep 2019 11:55

Tgt Ion: 50 Resp: 1059

Ion Ratio Lower Upper

50 100

52 29.6 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

1000

800

600

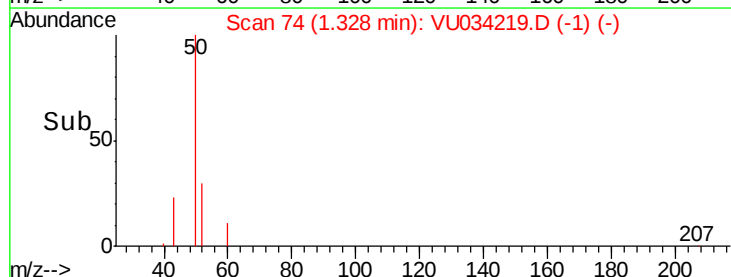
400

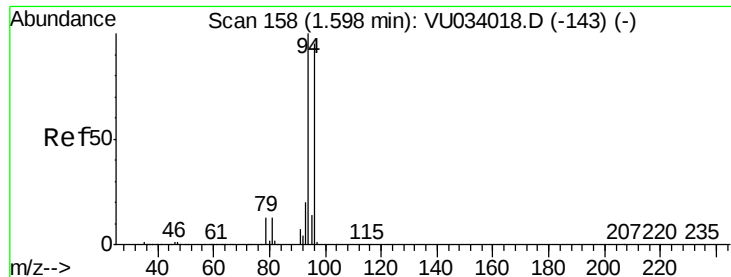
200

0

1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 168

Delta R.T. 0.03 min

Lab File: VU034219.D

Acq: 03 Sep 2019 11:55

Instrument :

MSVOA_U

ClientSampleId :

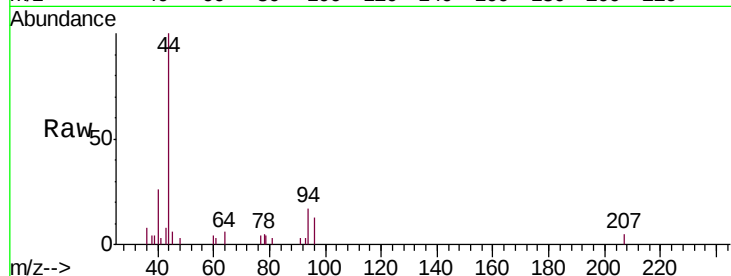
EB-7-083019

Tgt Ion: 94 Resp: 1037

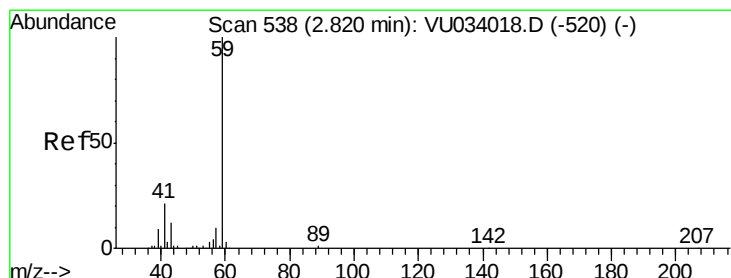
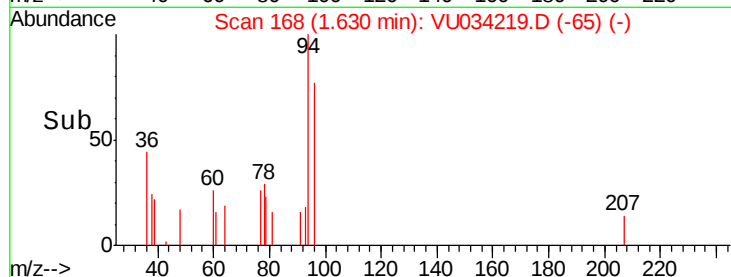
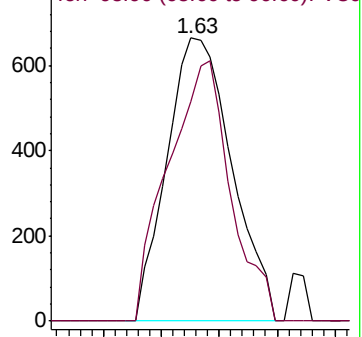
Ion Ratio Lower Upper

94 100

96 77.4 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VU034219.D (-168) (-)



#11

Tert butyl alcohol

Concen: 0.631 ug/l

RT: 2.82 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU034219.D

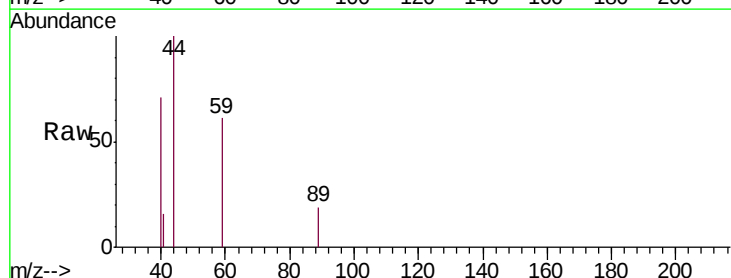
Acq: 03 Sep 2019 11:55

Tgt Ion: 59 Resp: 807

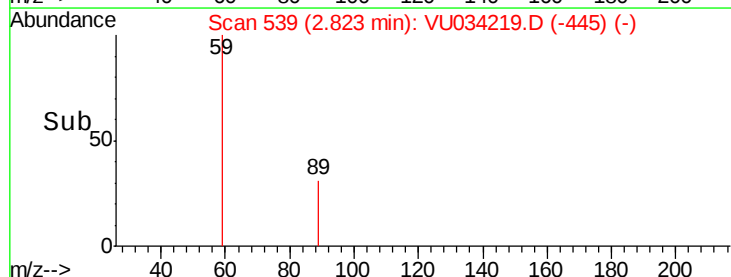
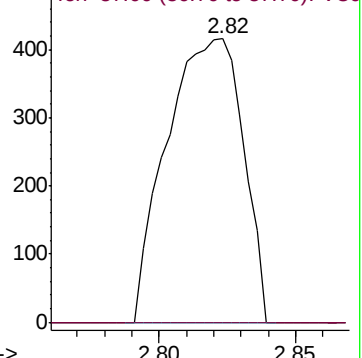
Ion Ratio Lower Upper

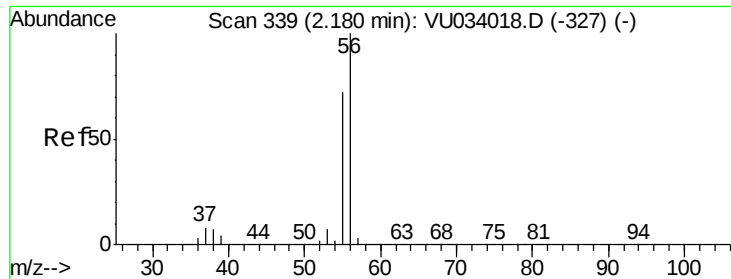
59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU034219.D (-539) (-)





#13

Acrolein

Concen: 0.394 ug/l

RT: 2.19 min Scan# 341

Delta R.T. 0.01 min

Lab File: VU034219.D

Acq: 03 Sep 2019 11:55

Instrument :

MSVOA_U

ClientSampleId :

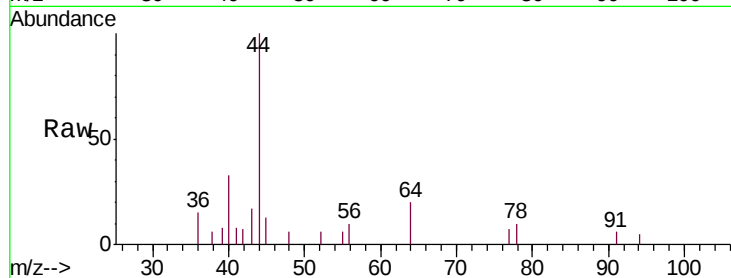
EB-7-083019

Tgt Ion: 56 Resp: 212

Ion Ratio Lower Upper

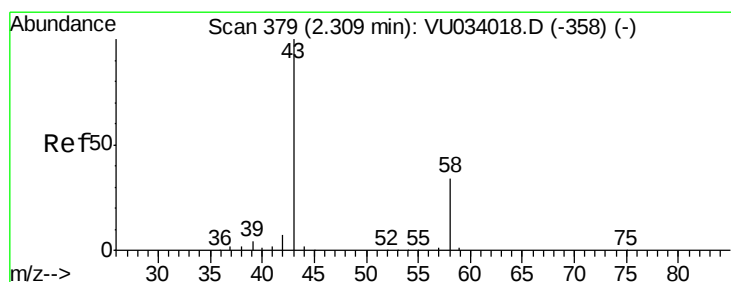
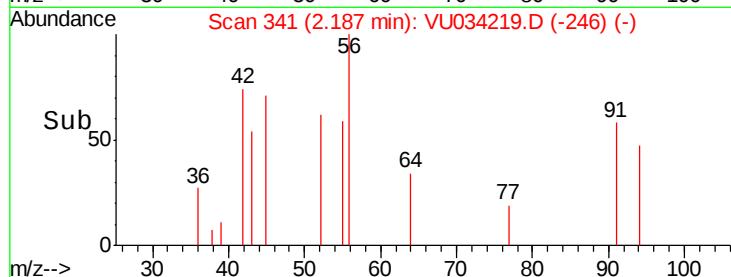
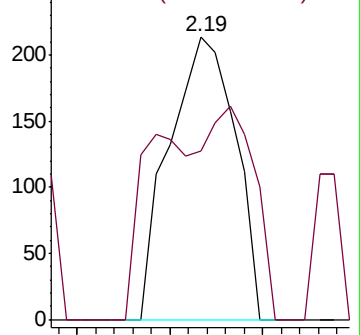
56 100

55 50.0 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#16

Acetone

Concen: 5.023 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034219.D

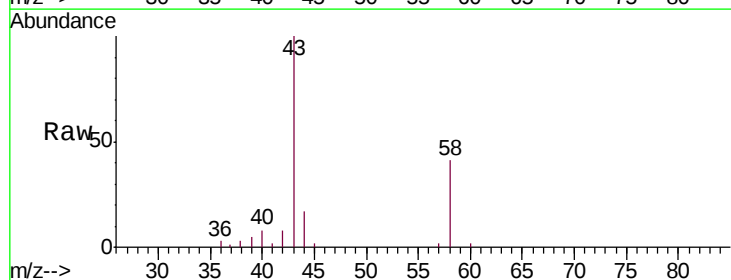
Acq: 03 Sep 2019 11:55

Tgt Ion: 43 Resp: 14207

Ion Ratio Lower Upper

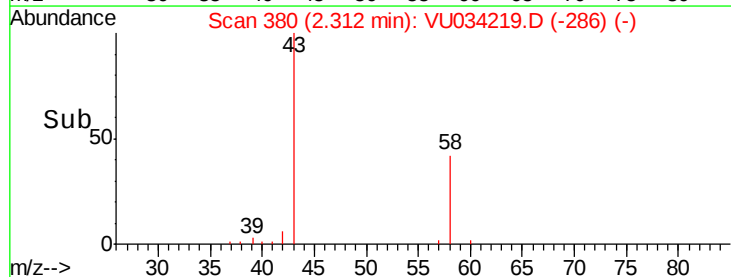
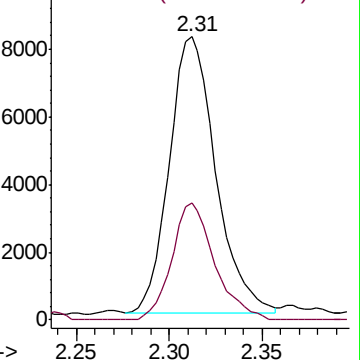
43 100

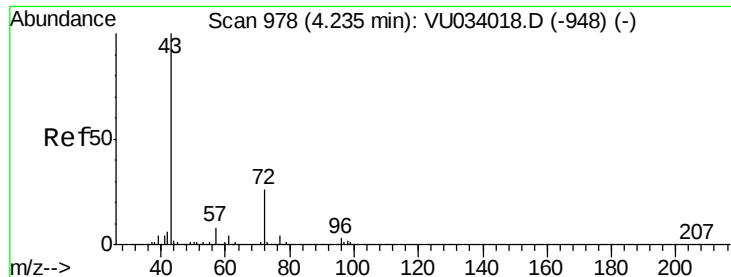
58 42.5 26.8 40.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#25

2-Butanone

Concen: 3.114 ug/l

RT: 4.27 min Scan# 988

Delta R.T. 0.03 min

Lab File: VU034219.D

Acq: 03 Sep 2019 11:55

Instrument :

MSVOA_U

ClientSampleId :

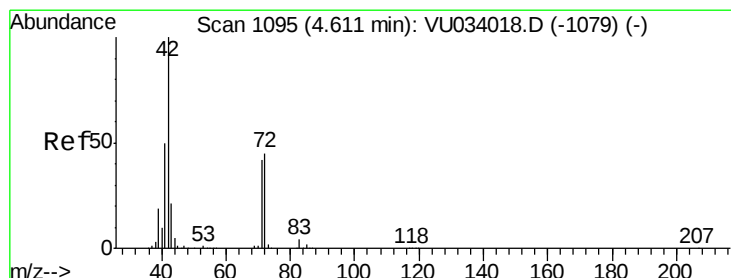
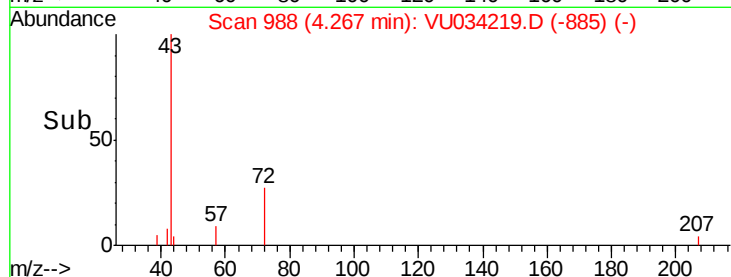
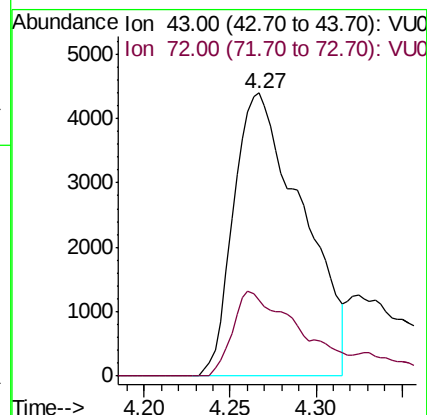
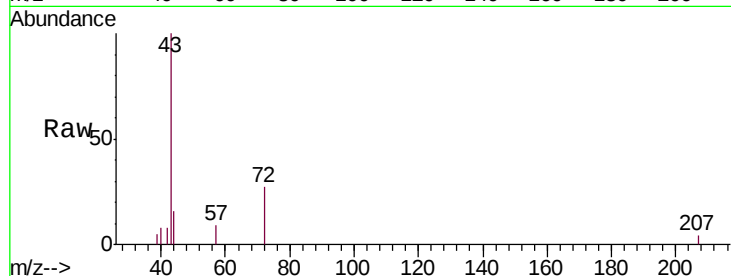
EB-7-083019

Tgt Ion: 43 Resp: 12255

Ion Ratio Lower Upper

43 100

72 26.7 21.2 31.8



#29

Tetrahydrofuran

Concen: 0.540 ug/l

RT: 4.64 min Scan# 1103

Delta R.T. 0.03 min

Lab File: VU034219.D

Acq: 03 Sep 2019 11:55

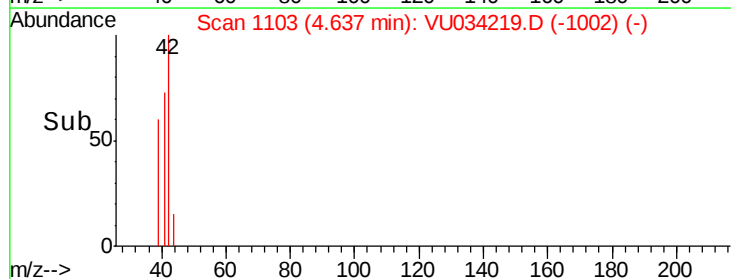
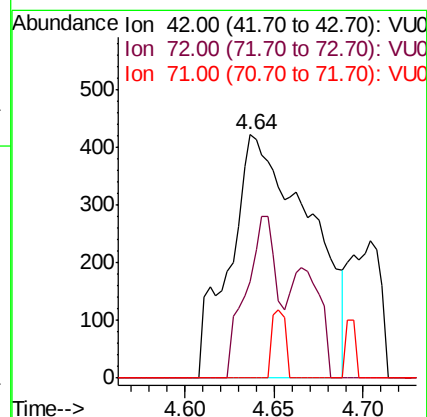
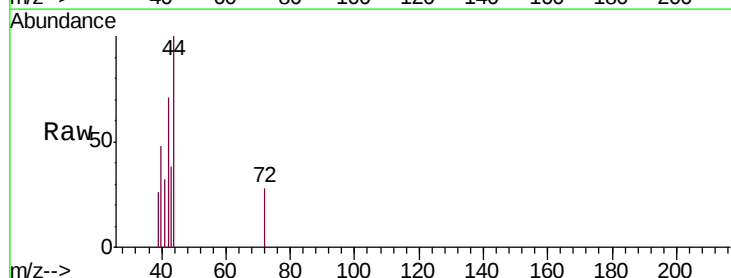
Tgt Ion: 42 Resp: 1311

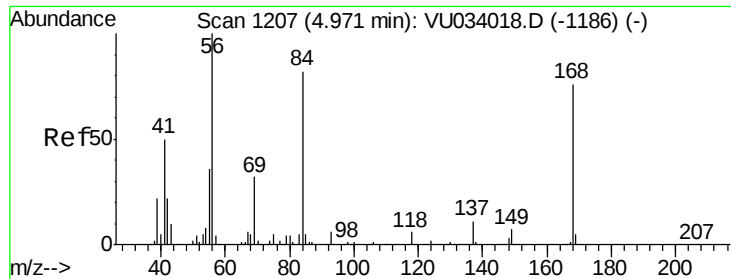
Ion Ratio Lower Upper

42 100

72 26.3 35.8 53.6#

71 4.9 34.0 51.0#





#31

Cyclohexane

Concen: 0.971 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. -0.01 min

Lab File: VU034219.D

Acq: 03 Sep 2019 11:55

Instrument :

MSVOA_U

ClientSampleId :

EB-7-083019

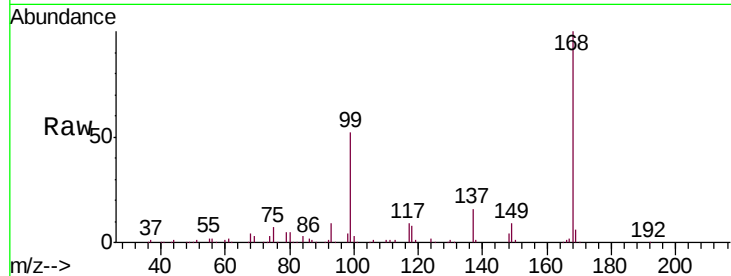
Tgt Ion: 56 Resp: 8037

Ion Ratio Lower Upper

56 100

69 186.5 25.4 38.0#

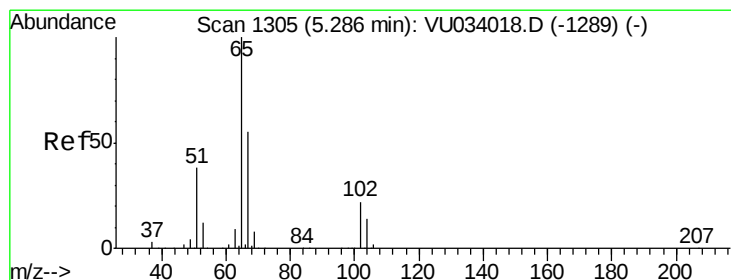
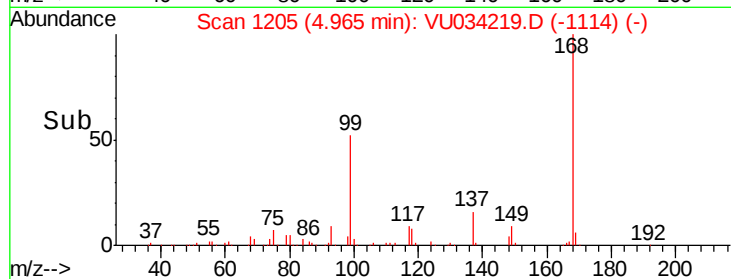
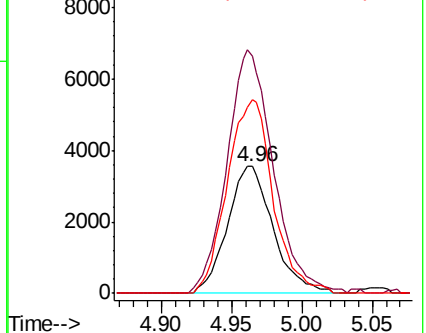
84 152.5 65.8 98.8#



Abundance Ion 56.00 (55.70 to 56.70): VU034219.D (-1186) (-)

Ion 69.00 (68.70 to 69.70): VU034219.D (-1186) (-)

Ion 84.00 (83.70 to 84.70): VU034219.D (-1186) (-)



#33

1,2-Dichloroethane-d4

Concen: 49.252 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034219.D

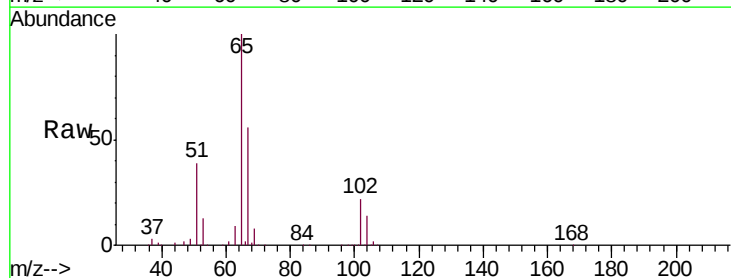
Acq: 03 Sep 2019 11:55

Tgt Ion: 65 Resp: 273003

Ion Ratio Lower Upper

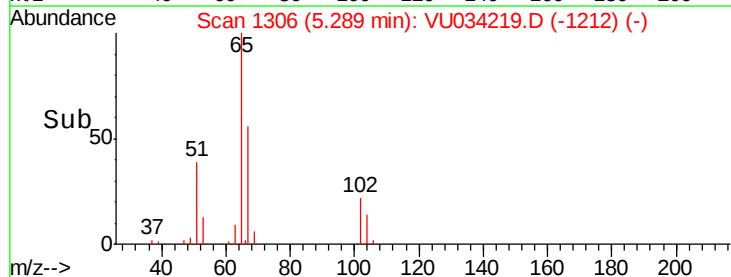
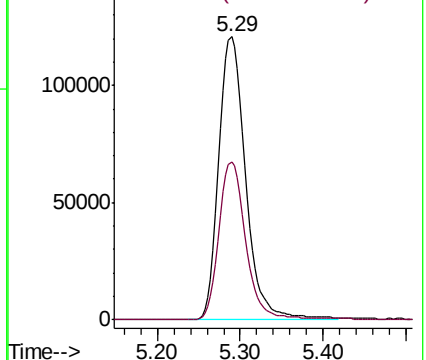
65 100

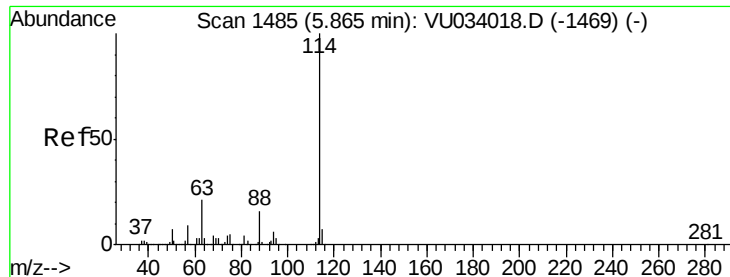
67 55.9 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU034219.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU034219.D (-1212) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VU034219.D

Acq: 03 Sep 2019 11:55

Instrument :

MSVOA_U

ClientSampleId :

EB-7-083019

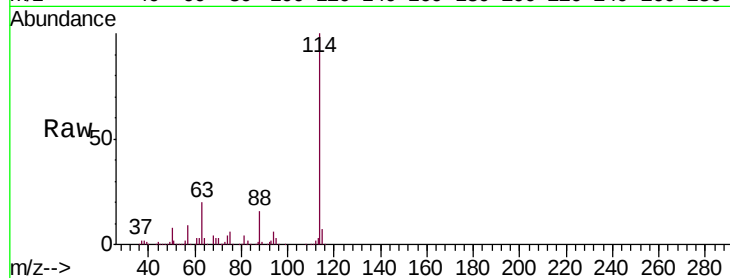
Tgt Ion:114 Resp: 698275

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.0

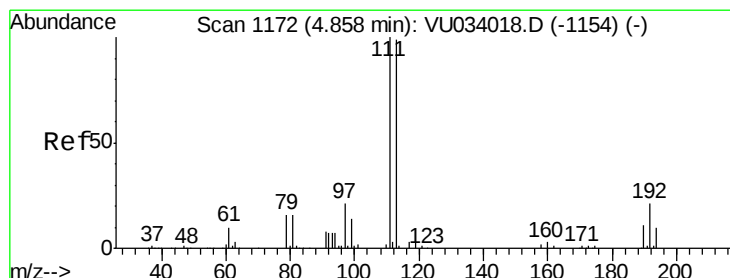
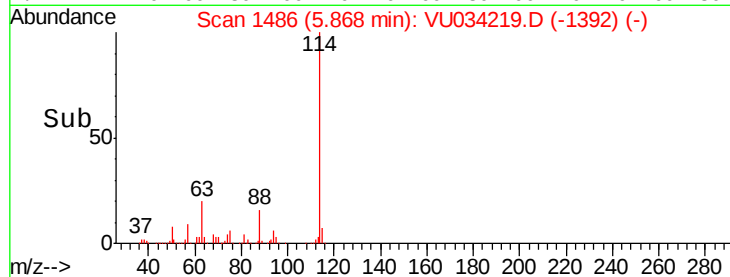
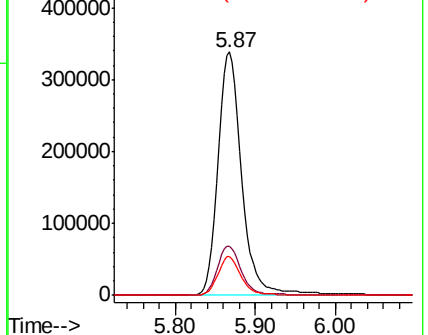
88 15.9 0.0 32.0



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: 47.481 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034219.D

Acq: 03 Sep 2019 11:55

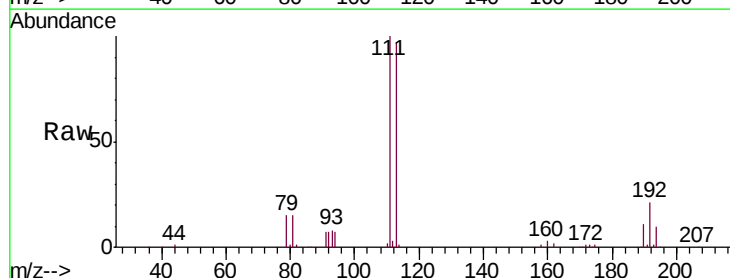
Tgt Ion:113 Resp: 229961

Ion Ratio Lower Upper

113 100

111 102.7 81.7 122.5

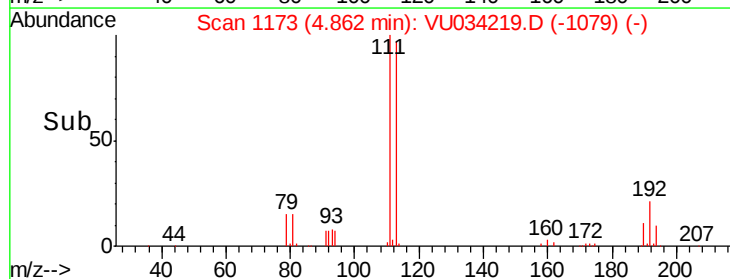
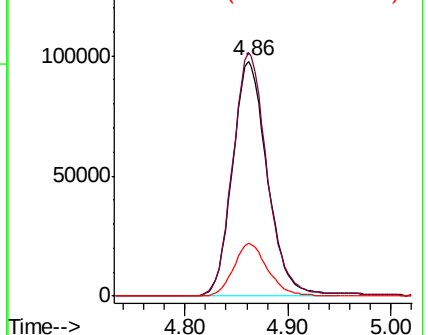
192 21.8 17.1 25.7

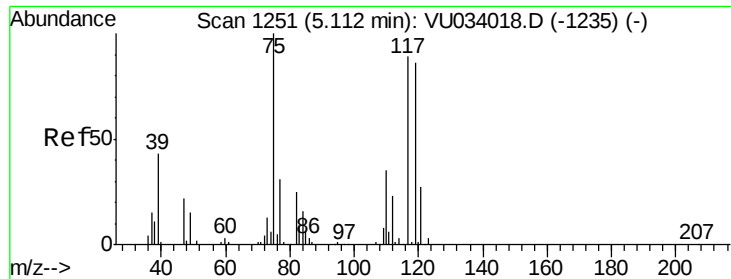


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

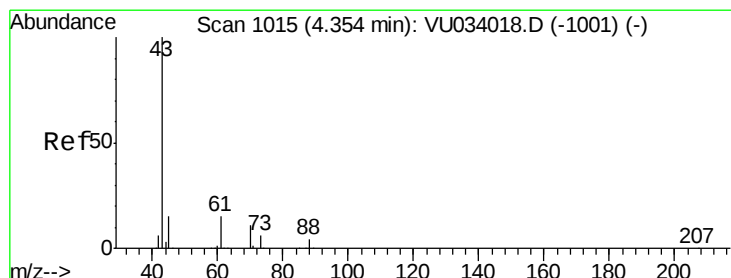
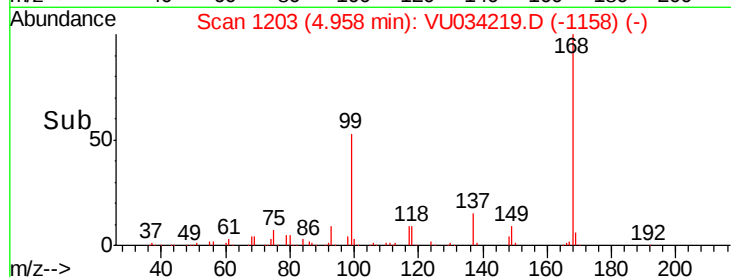
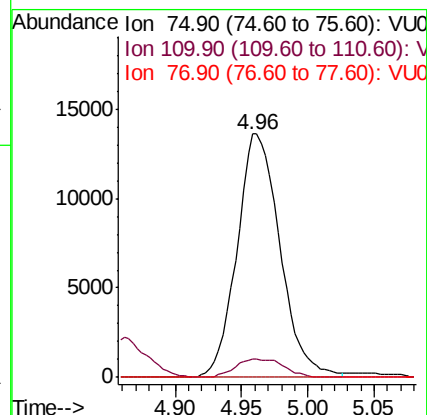
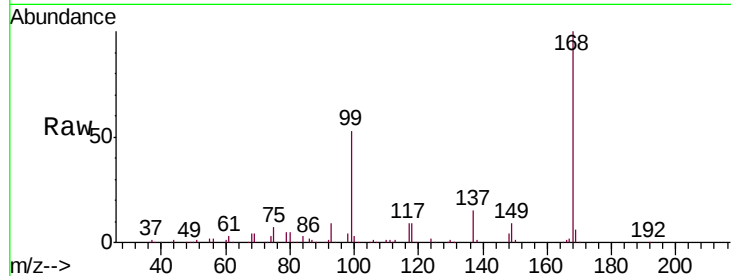




#36
 1,1-Dichloropropene
 Concen: 4.655 ug/l
 RT: 4.96 min Scan# 1203
 Delta R.T. -0.15 min
 Lab File: VU034219.D
 Acq: 03 Sep 2019 11:55

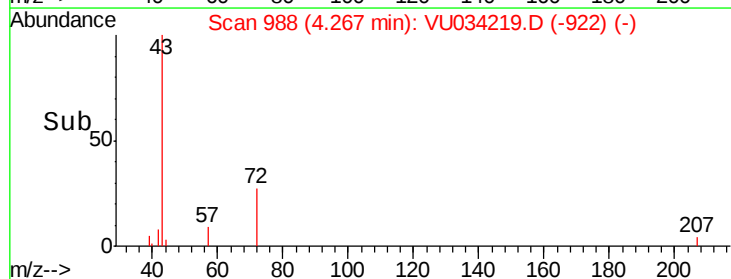
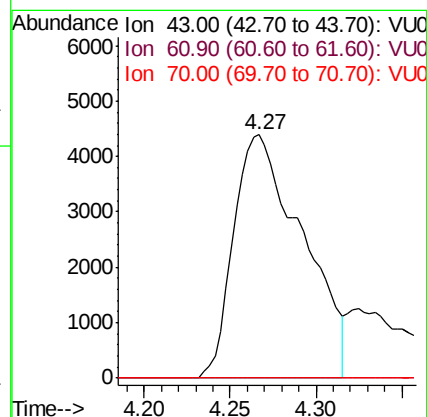
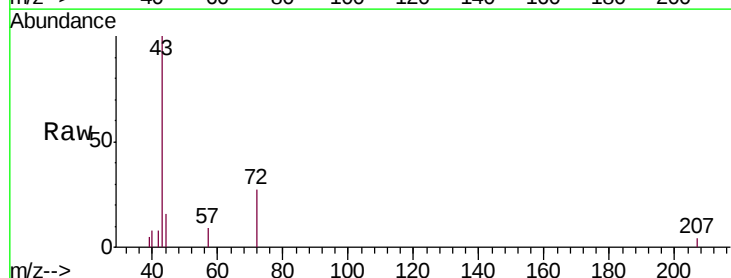
Instrument :
 MSVOA_U
 ClientSampleId :
 EB-7-083019

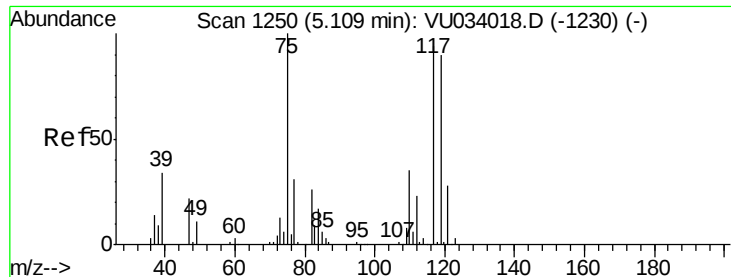
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.8	53.5#
77	0.0	25.0	37.4#



#37
 Ethyl Acetate
 Concen: 1.657 ug/l
 RT: 4.27 min Scan# 988
 Delta R.T. -0.09 min
 Lab File: VU034219.D
 Acq: 03 Sep 2019 11:55

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	8.6	12.8#





#38

Carbon Tetrachloride

Concen: 6.168 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034219.D

Acq: 03 Sep 2019 11:55

Instrument :

MSVOA_U

ClientSampleId :

EB-7-083019

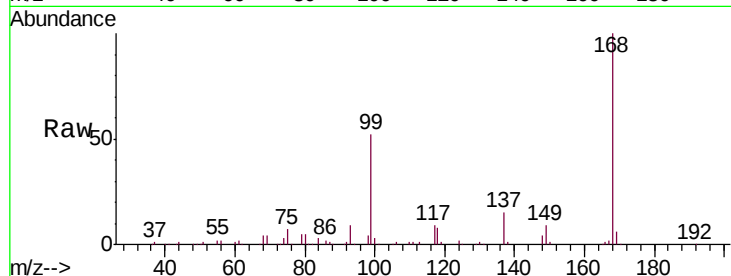
Tgt Ion:117 Resp: 39324

Ion Ratio Lower Upper

117 100

119 5.8 77.0 115.4#

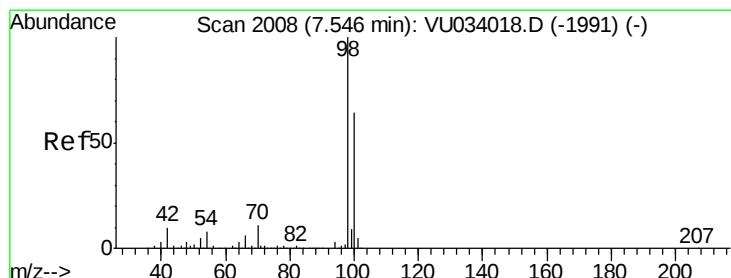
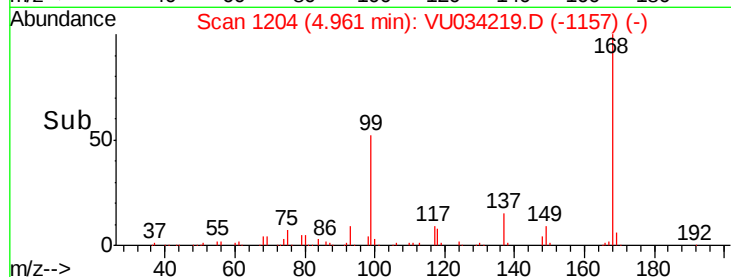
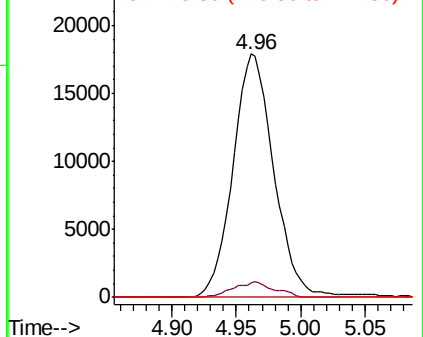
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.018 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034219.D

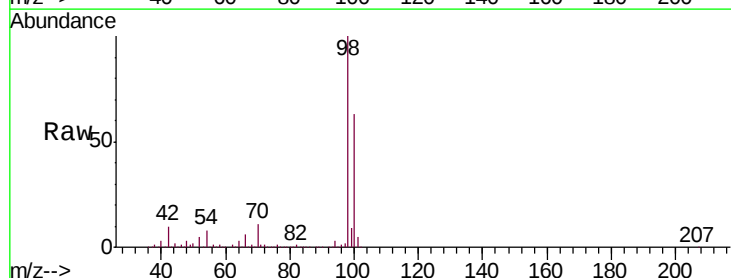
Acq: 03 Sep 2019 11:55

Tgt Ion: 98 Resp: 888922

Ion Ratio Lower Upper

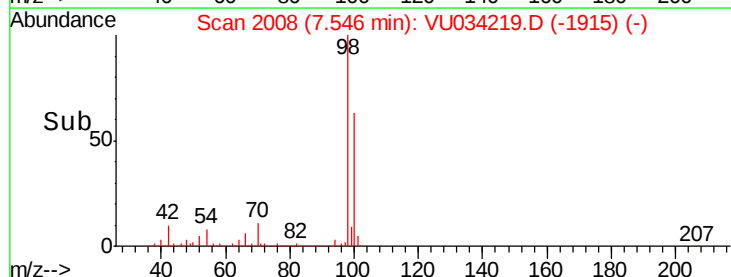
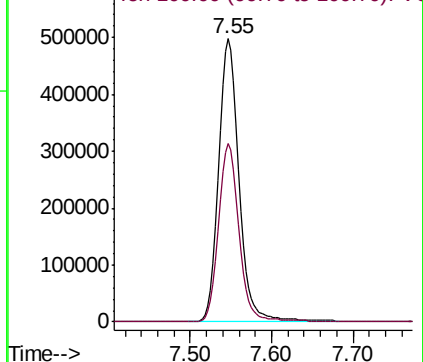
98 100

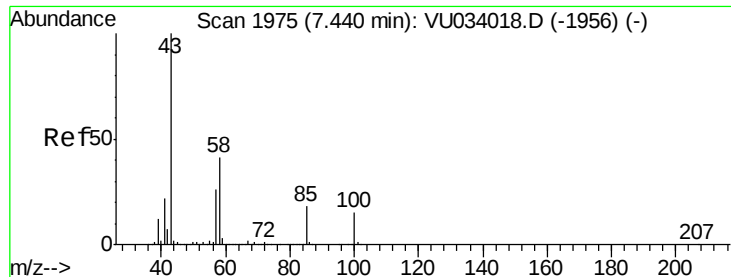
100 63.2 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

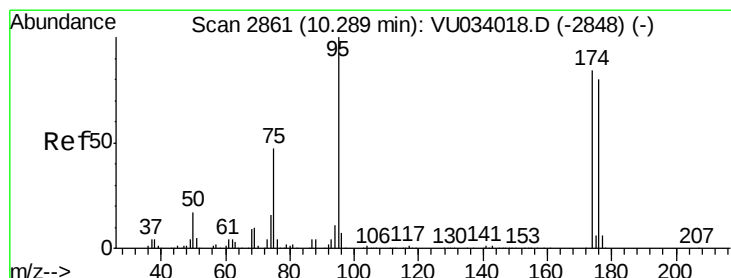
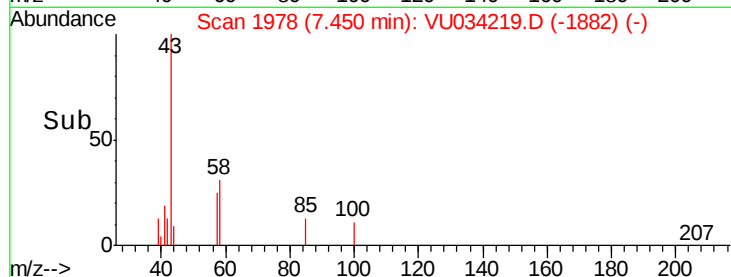
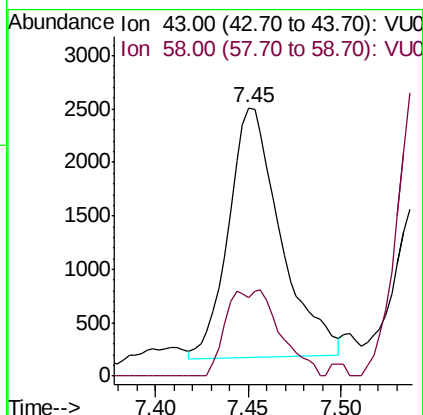
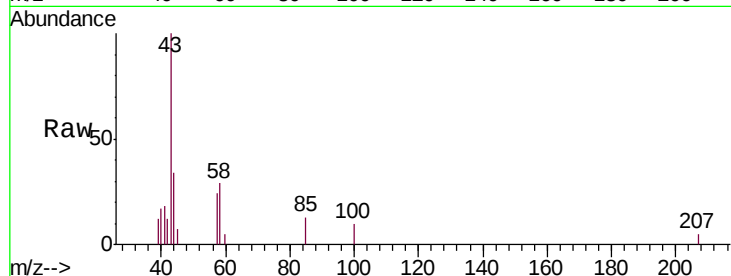




#51
 4-Methyl-2-Pentanone
 Concen: 0.589 ug/l
 RT: 7.45 min Scan# 1978
 Delta R.T. 0.01 min
 Lab File: VU034219.D
 Acq: 03 Sep 2019 11:55

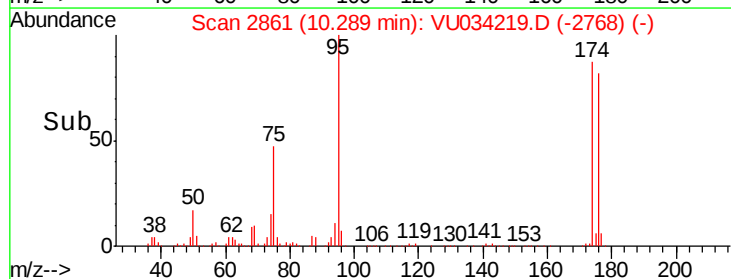
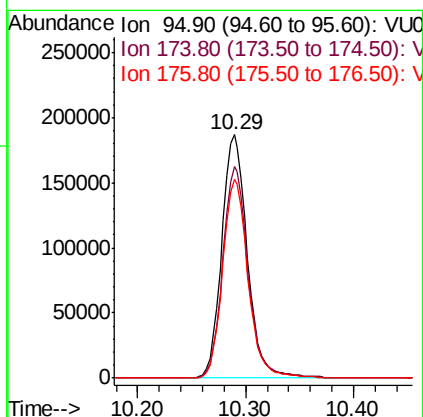
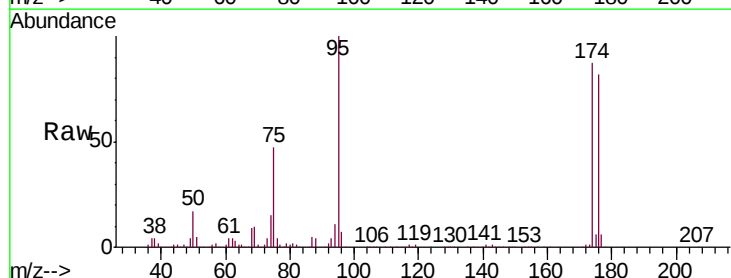
Instrument :
 MSVOA_U
 ClientSampleId :
 EB-7-083019

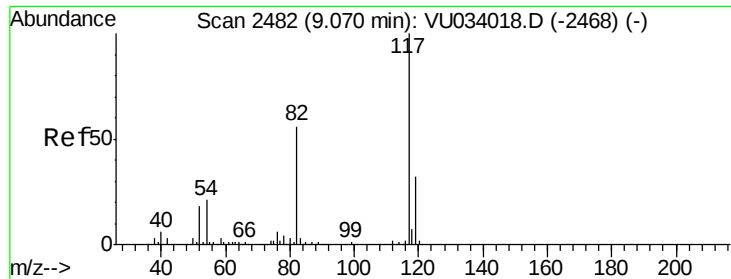
Tgt Ion: 43 Resp: 4576
 Ion Ratio Lower Upper
 43 100
 58 16.4 32.2 48.4#



#62
 4-Bromofluorobenzene
 Concen: 43.692 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. 0.00 min
 Lab File: VU034219.D
 Acq: 03 Sep 2019 11:55

Tgt Ion: 95 Resp: 308214
 Ion Ratio Lower Upper
 95 100
 174 86.4 0.0 168.8
 176 81.0 0.0 161.8

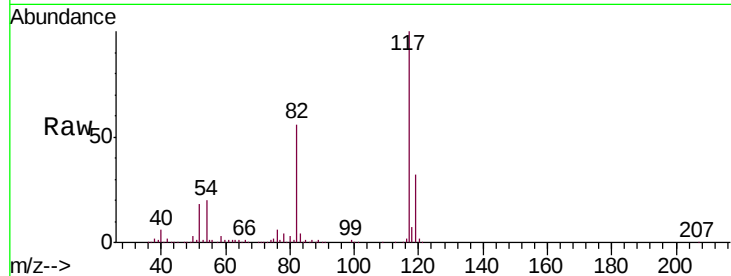




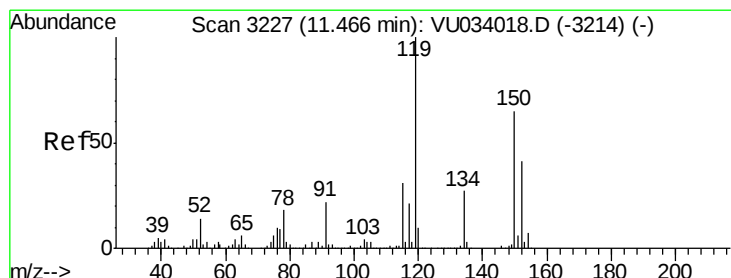
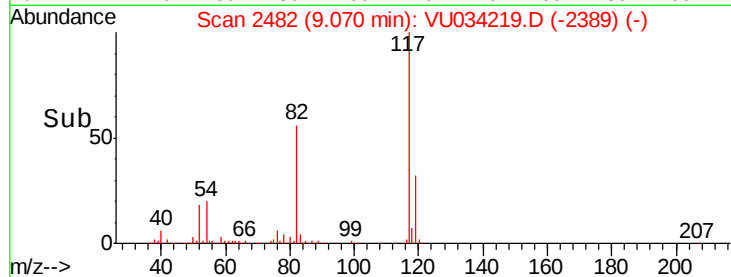
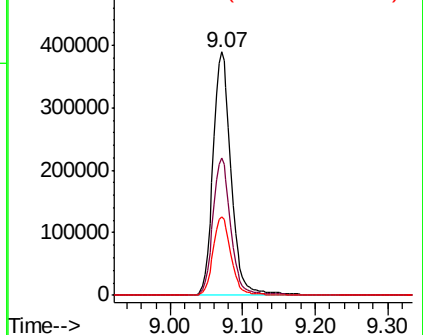
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034219.D
Acq: 03 Sep 2019 11:55

Instrument :
MSVOA_U
ClientSampleId :
EB-7-083019

Tgt Ion:117 Resp: 672388
Ion Ratio Lower Upper
117 100
82 56.2 45.1 67.7
119 32.5 25.4 38.0

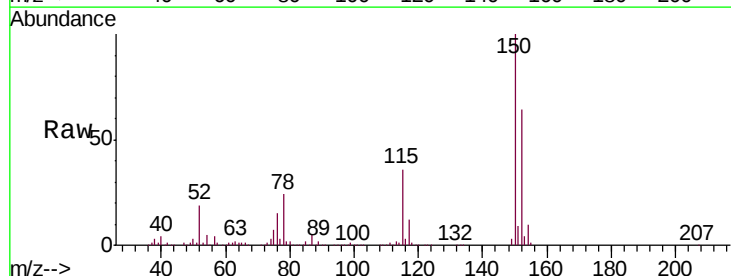


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

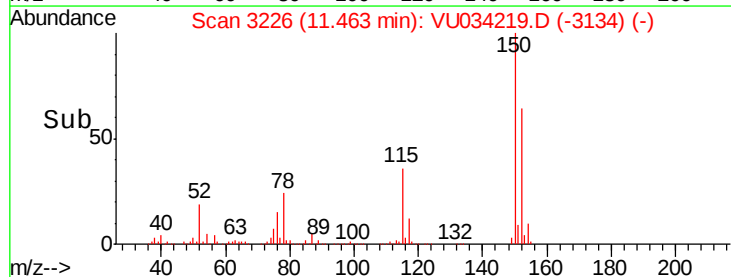
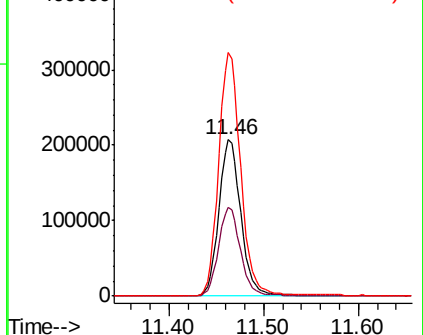


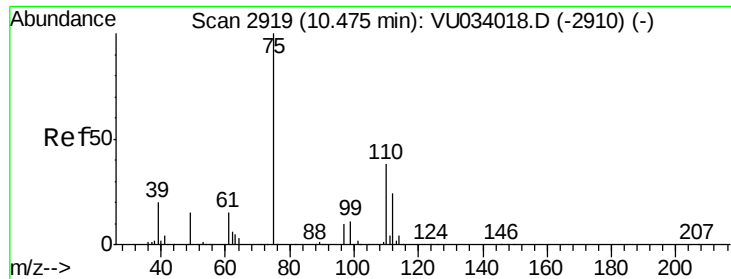
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034219.D
Acq: 03 Sep 2019 11:55

Tgt Ion:152 Resp: 336046
Ion Ratio Lower Upper
152 100
115 56.4 41.1 123.3
150 155.8 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: 19.281 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034219.D

Acq: 03 Sep 2019 11:55

Instrument :

MSVOA_U

ClientSampleId :

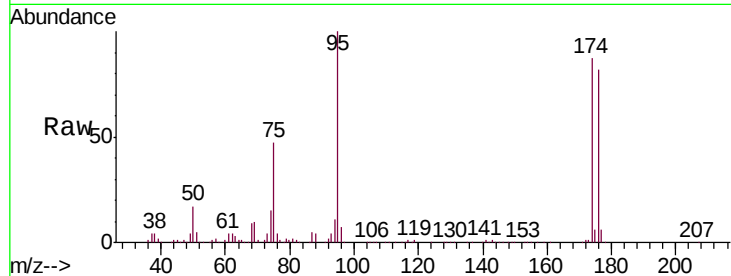
EB-7-083019

Tgt Ion: 75 Resp: 146032

Ion Ratio Lower Upper

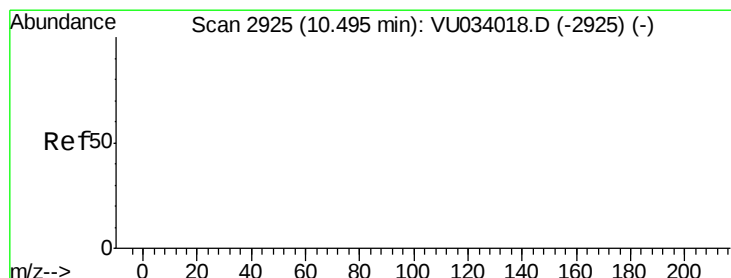
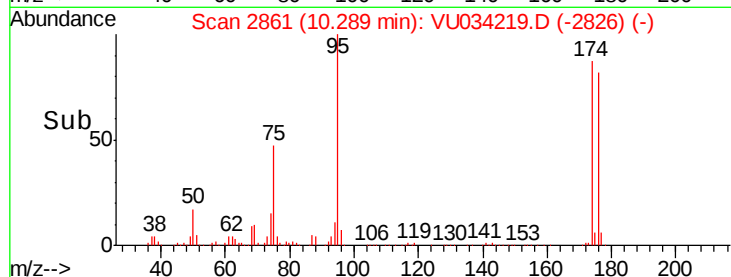
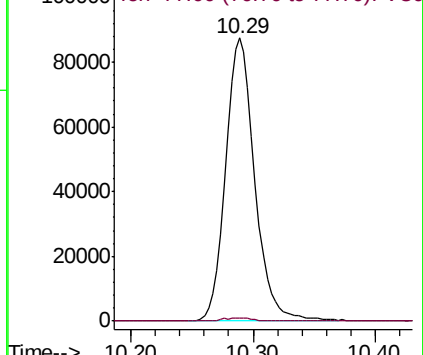
75 100

77 1.2 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: 64.924 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.21 min

Lab File: VU034219.D

Acq: 03 Sep 2019 11:55

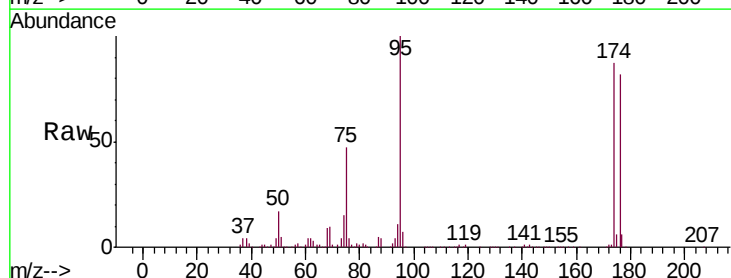
Tgt Ion: 75 Resp: 146032

Ion Ratio Lower Upper

75 100

53 0.2 0.0 0.0#

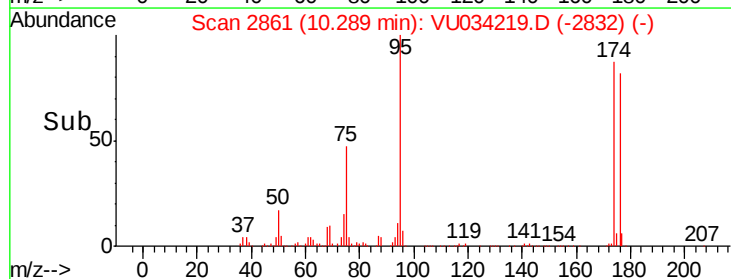
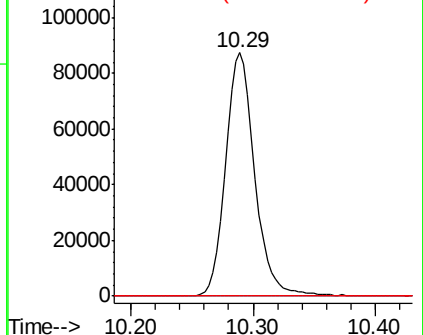
89 0.0 0.0 0.0

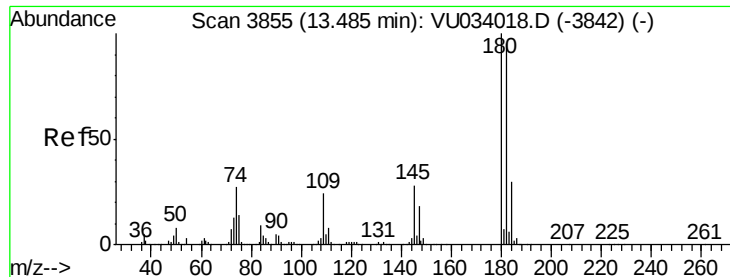


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

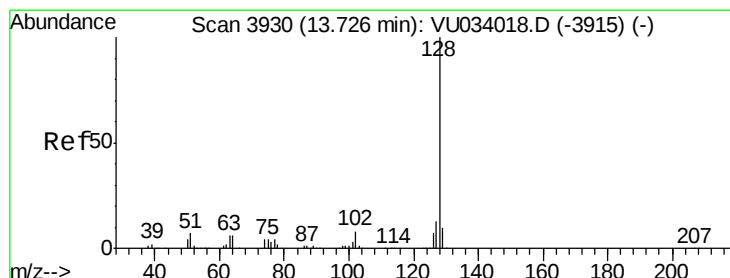
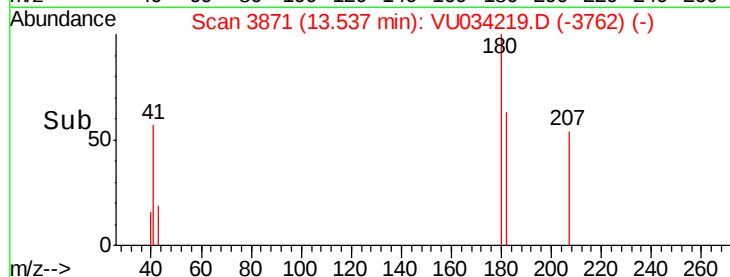
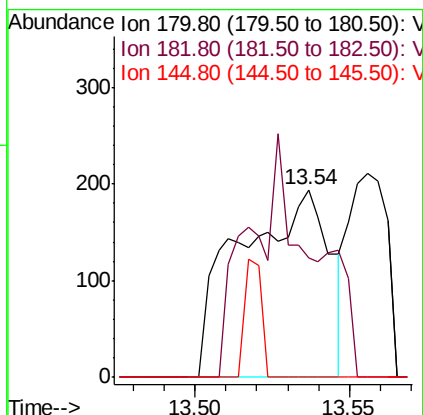
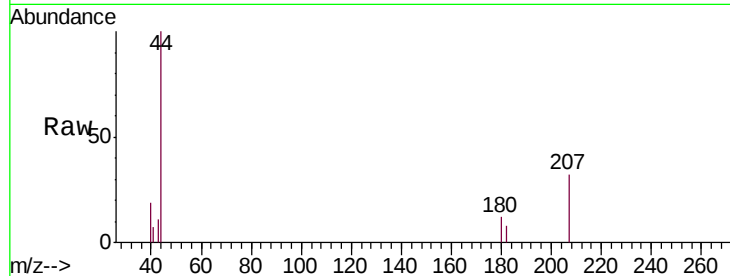




#93
 1,2,4-Trichlorobenzene
 Concen: 1.166 ug/l
 RT: 13.54 min Scan# 3871
 Delta R.T. 0.05 min
 Lab File: VU034219.D
 Acq: 03 Sep 2019 11:55

Instrument :
 MSVOA_U
 ClientSampleId :
 EB-7-083019

Tgt Ion:180 Resp: 391
 Ion Ratio Lower Upper
 180 100
 182 71.6 47.4 142.2
 145 11.8 14.1 42.3#



#95
 Naphthalene
 Concen: 1.862 ug/l
 RT: 13.76 min Scan# 3942
 Delta R.T. 0.04 min
 Lab File: VU034219.D
 Acq: 03 Sep 2019 11:55

Tgt Ion:128 Resp: 1564
 Ion Ratio Lower Upper
 128 100
 127 9.8 10.2 15.4#
 129 0.0 8.4 12.6#

