

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU083019\
 Data File : VU034063.D
 Acq On : 29 Aug 2019 15:40
 Operator : JC/SP
 Sample : K4596-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EB-3-082819

Quant Time: Aug 30 04:46:25 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	455470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	723298	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	696228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	345013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	292057	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
35) Dibromofluoromethane	4.86	113	238041	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
50) Toluene-d8	7.55	98	912710	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
62) 4-Bromofluorobenzene	10.29	95	322163	44.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.18%	

Target Compounds

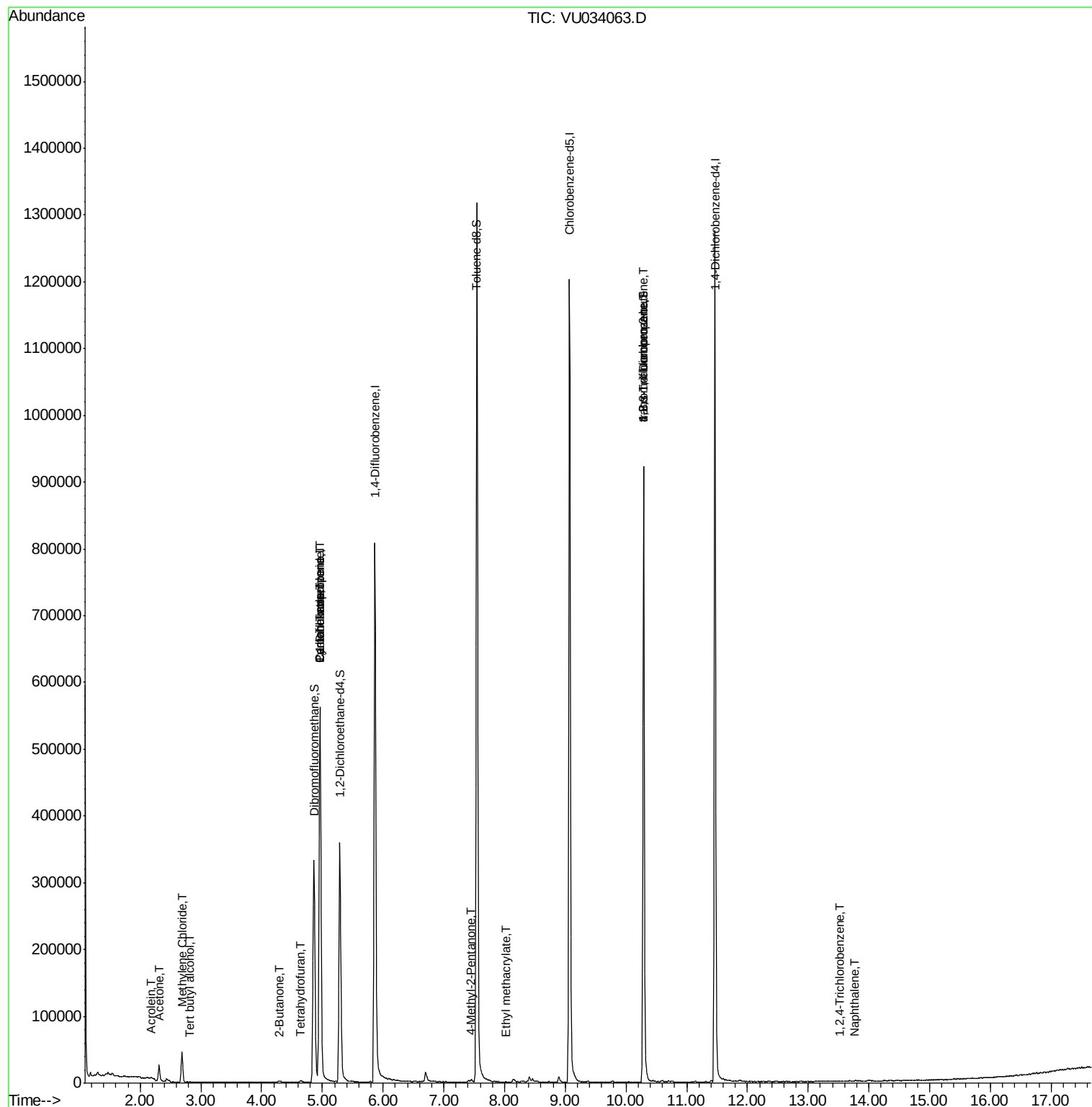
						Qvalue
3) Chloromethane	1.32	50	785	Below Cal	#	66
5) Bromomethane	1.57	94	66	Below Cal	#	2
11) Tert butyl alcohol	2.82	59	445	0.331	ug/l #	73
13) Acrolein	2.18	56	166	0.293	ug/l	97
16) Acetone	2.31	43	26901	9.034	ug/l	99
20) Methylene Chloride	2.69	84	19628	3.482	ug/l	98
25) 2-Butanone	4.28	43	3430	0.828	ug/l #	88
29) Tetrahydrofuran	4.63	42	680	0.266	ug/l #	1
31) Cyclohexane	4.96	56	8203	0.941	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	33049	4.831	ug/l #	49
38) Carbon Tetrachloride	4.96	117	40788	6.176	ug/l #	15
51) 4-Methyl-2-Pentanone	7.45	43	3375	0.419	ug/l	98
56) Ethyl methacrylate	8.03	69	41	0.976	ug/l #	52
76) 1,2,3-Trichloropropane	10.29	75	153188	19.700	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	153188	66.335	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.52	180	301	1.153	ug/l #	1
95) Naphthalene	13.77	128	1544	1.859	ug/l #	71

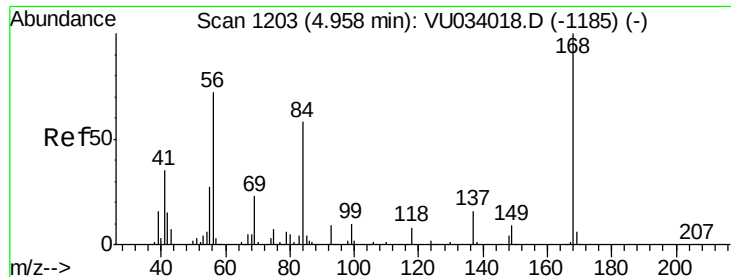
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VU034063.D

Acq: 29 Aug 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

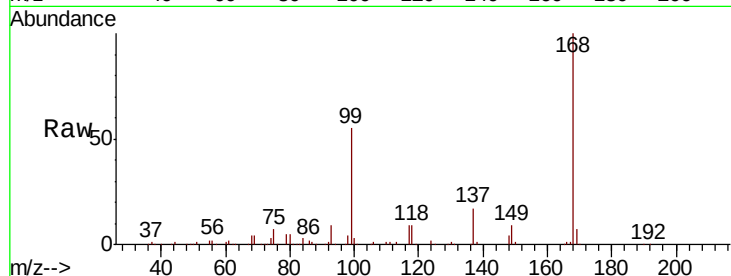
EB-3-082819

Tgt Ion: 168 Resp: 455470

Ion Ratio Lower Upper

168 100

99 55.0 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

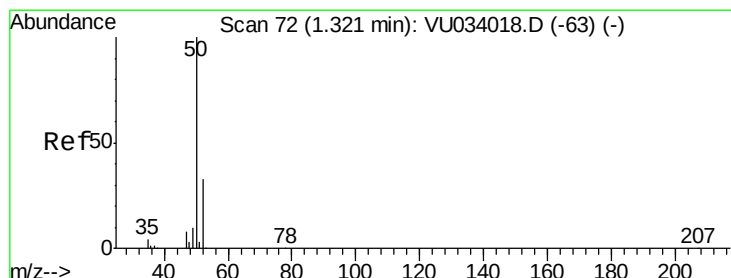
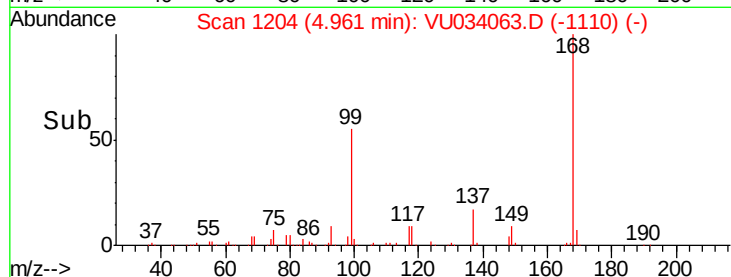
100000

50000

0

4.80 4.90 5.00 5.10 5.20

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034063.D

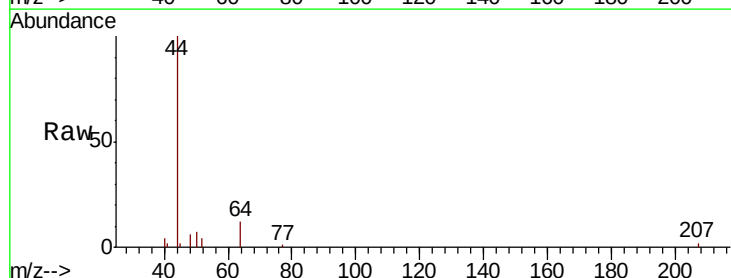
Acq: 29 Aug 2019 15:40

Tgt Ion: 50 Resp: 785

Ion Ratio Lower Upper

50 100

52 51.8 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) (-)

1.32

600

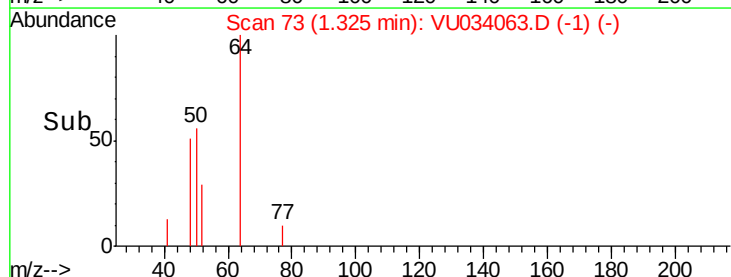
400

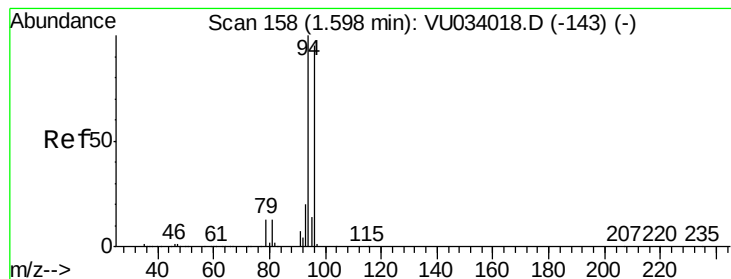
200

0

1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.57 min Scan# 150

Delta R.T. -0.03 min

Lab File: VU034063.D

Acq: 29 Aug 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

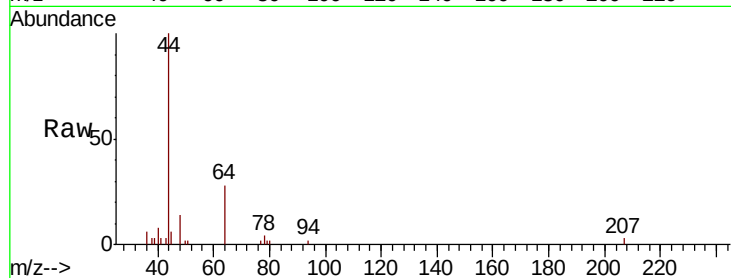
EB-3-082819

Tgt Ion: 94 Resp: 66

Ion Ratio Lower Upper

94 100

96 0.0 76.3 114.5#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

150

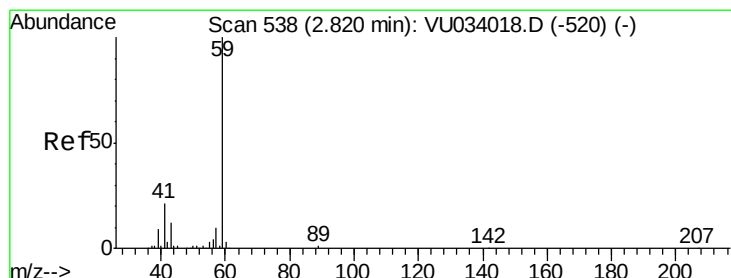
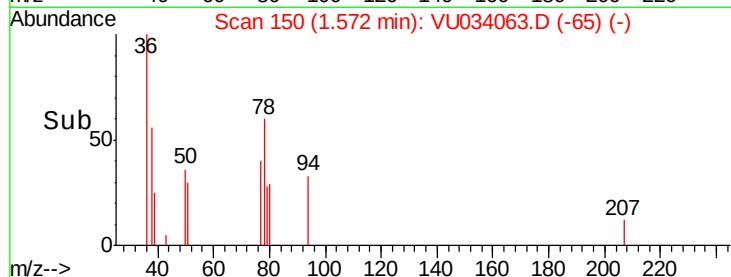
100

50

0

1.56 1.57 1.58

Time-->



#11

Tert butyl alcohol

Concen: 0.331 ug/l

RT: 2.82 min Scan# 537

Delta R.T. -0.00 min

Lab File: VU034063.D

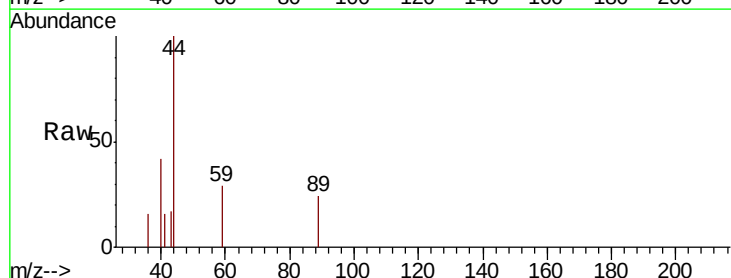
Acq: 29 Aug 2019 15:40

Tgt Ion: 59 Resp: 445

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

300

250

200

150

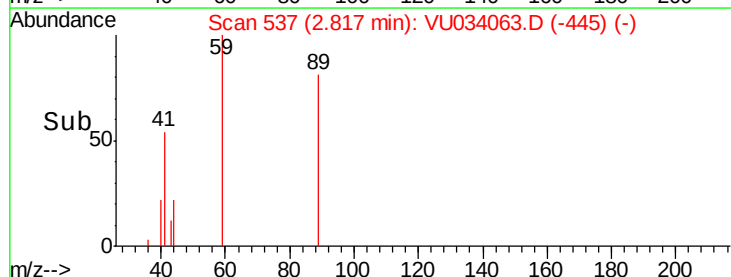
100

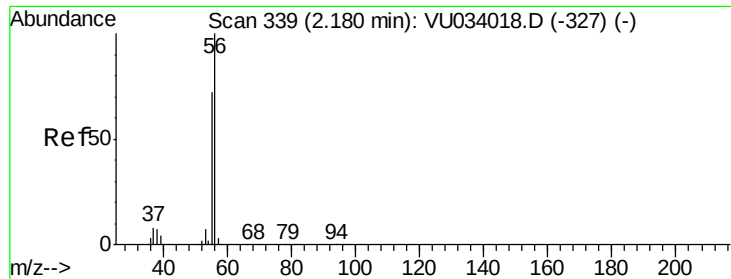
50

0

2.78 2.80 2.82 2.84

Time-->





#13

Acrolein

Concen: 0.293 ug/l

RT: 2.18 min Scan# 338

Delta R.T. -0.00 min

Lab File: VU034063.D

Acq: 29 Aug 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

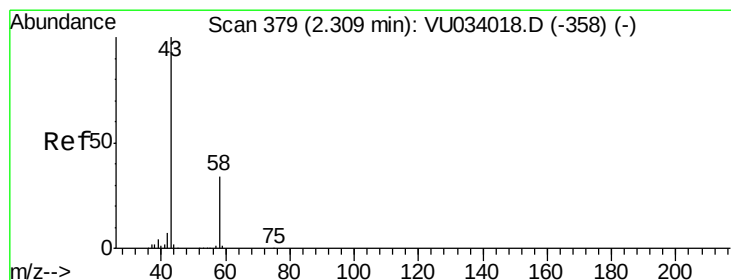
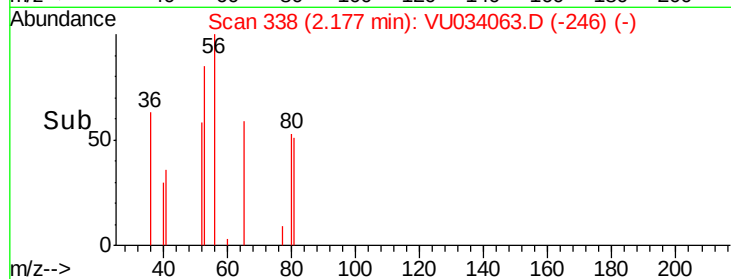
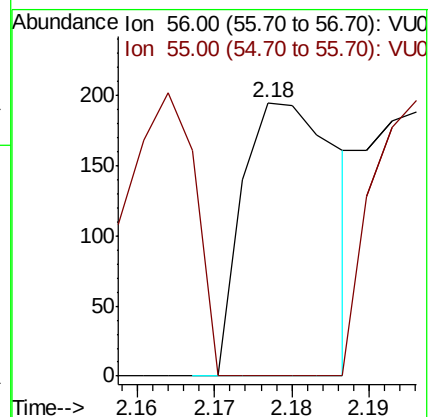
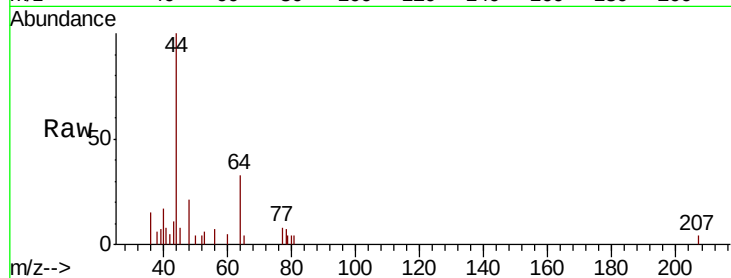
EB-3-082819

Tgt Ion: 56 Resp: 166

Ion Ratio Lower Upper

56 100

55 74.1 57.1 85.7



#16

Acetone

Concen: 9.034 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034063.D

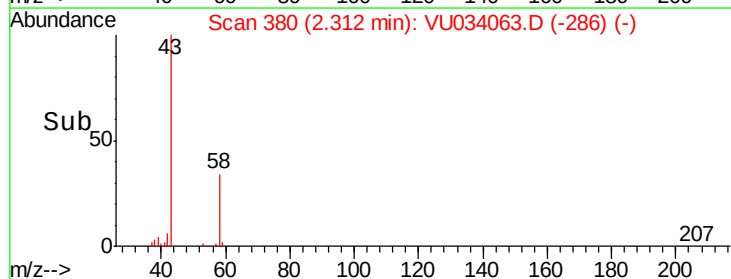
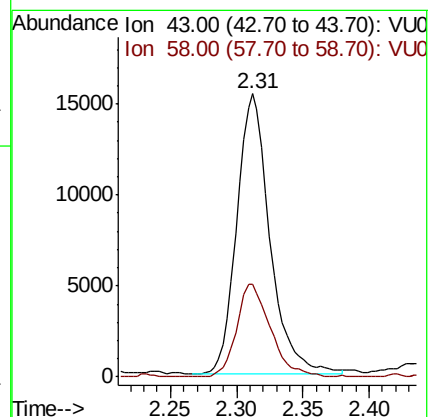
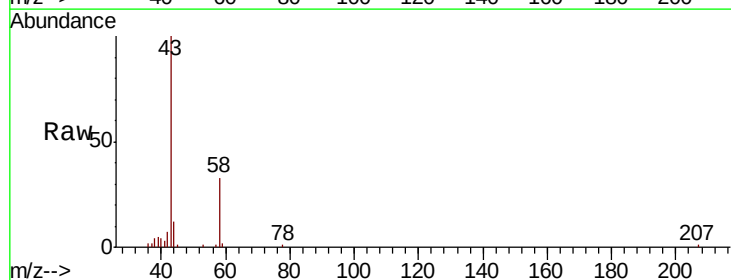
Acq: 29 Aug 2019 15:40

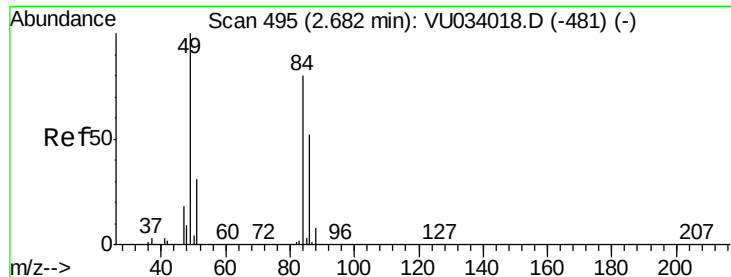
Tgt Ion: 43 Resp: 26901

Ion Ratio Lower Upper

43 100

58 33.2 26.8 40.2

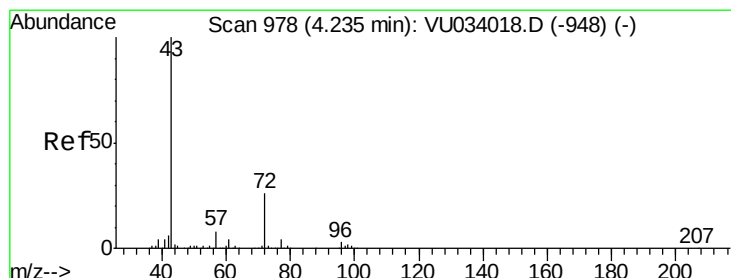
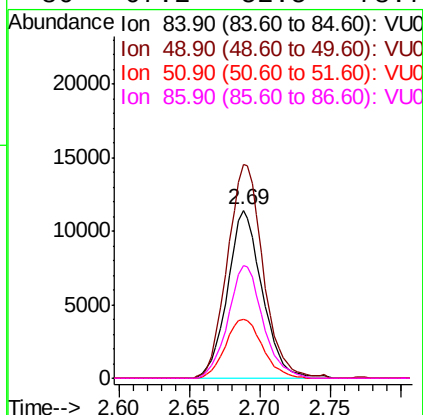
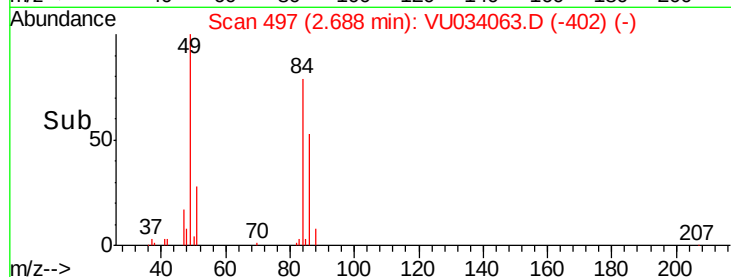
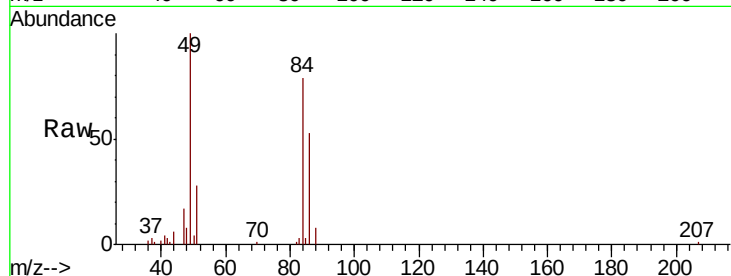




#20
Methylene Chloride
Concen: 3.482 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.01 min
Lab File: VU034063.D
Acq: 29 Aug 2019 15:40

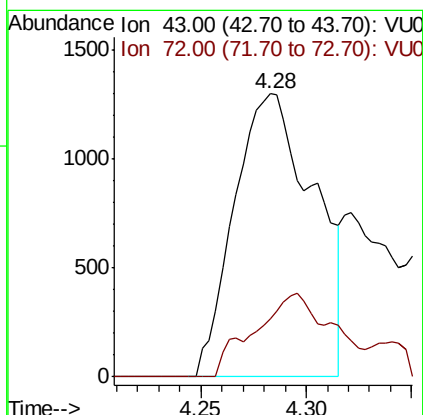
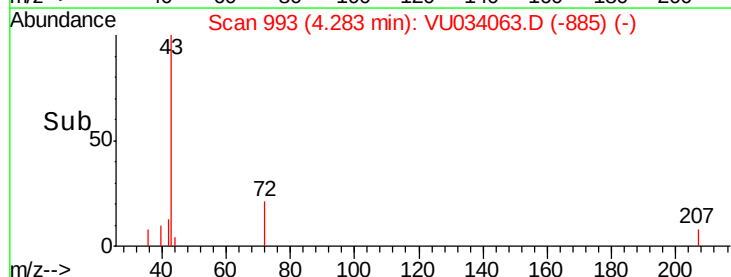
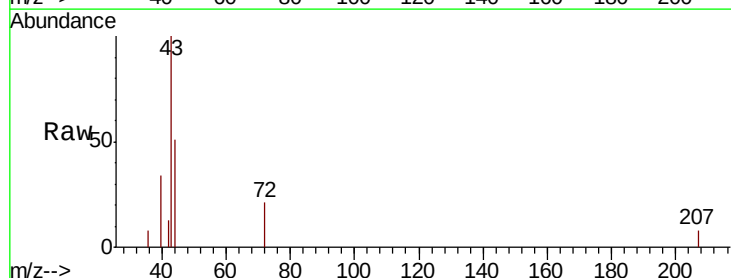
Instrument :
MSVOA_U
ClientSampleId :
EB-3-082819

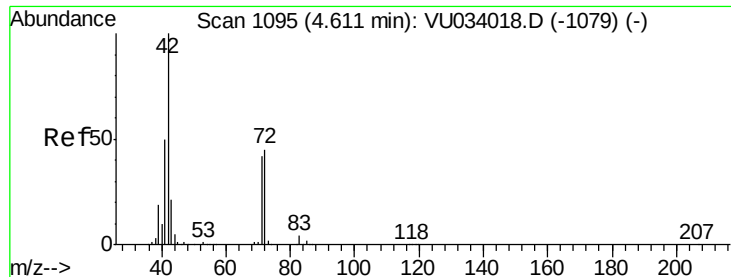
Tgt Ion:	84	Resp:	19628
Ion	Ratio	Lower	Upper
84	100		
49	127.1	100.2	150.4
51	35.2	30.8	46.2
86	67.2	52.5	78.7



#25
2-Butanone
Concen: 0.828 ug/l
RT: 4.28 min Scan# 993
Delta R.T. 0.05 min
Lab File: VU034063.D
Acq: 29 Aug 2019 15:40

Tgt Ion:	43	Resp:	3430
Ion	Ratio	Lower	Upper
43	100		
72	20.5	21.2	31.8#





#29

Tetrahydrofuran

Concen: 0.266 ug/l

RT: 4.63 min Scan# 1102

Delta R.T. 0.02 min

Lab File: VU034063.D

Acq: 29 Aug 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

EB-3-082819

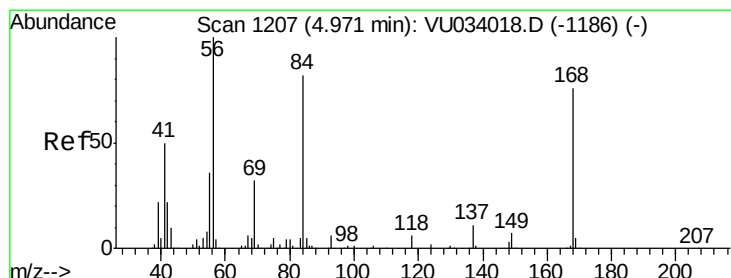
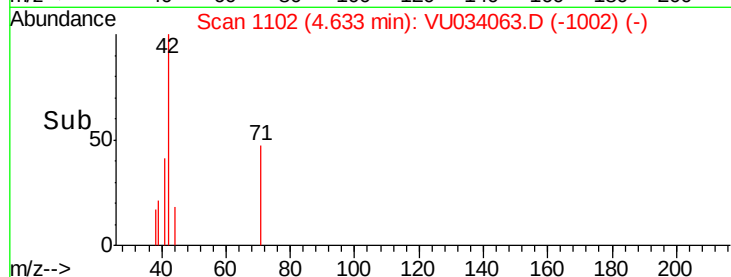
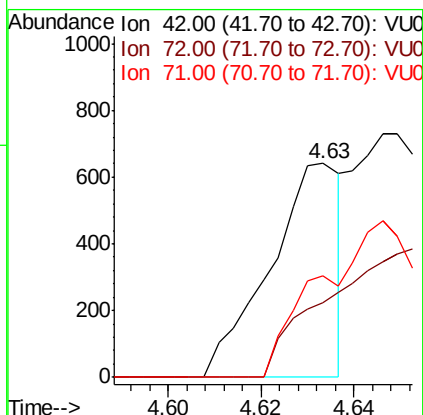
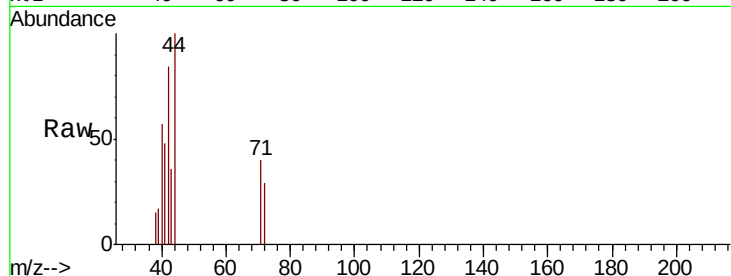
Tgt Ion: 42 Resp: 680

Ion Ratio Lower Upper

42 100

72 114.1 35.8 53.6#

71 131.3 34.0 51.0#



#31

Cyclohexane

Concen: 0.941 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034063.D

Acq: 29 Aug 2019 15:40

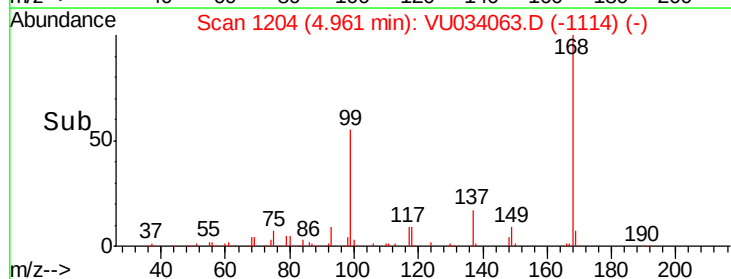
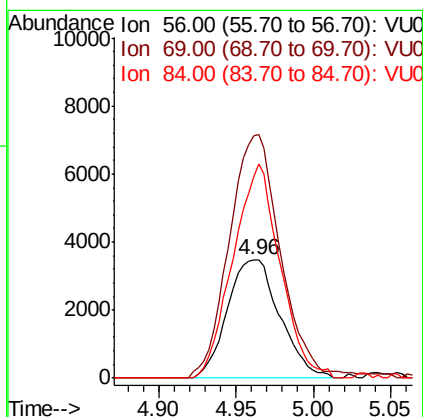
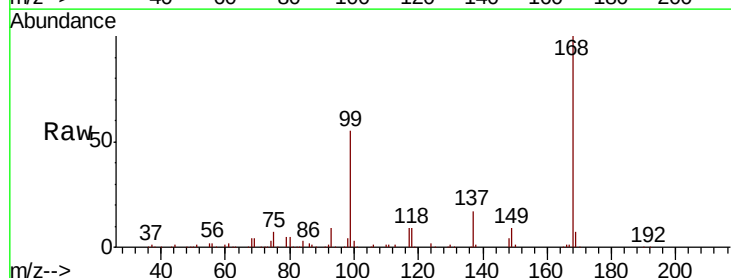
Tgt Ion: 56 Resp: 8203

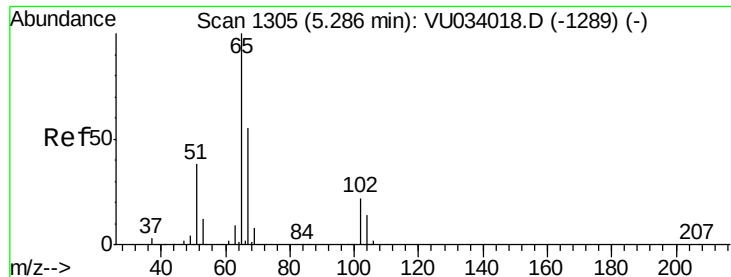
Ion Ratio Lower Upper

56 100

69 204.9 25.4 38.0#

84 170.6 65.8 98.8#

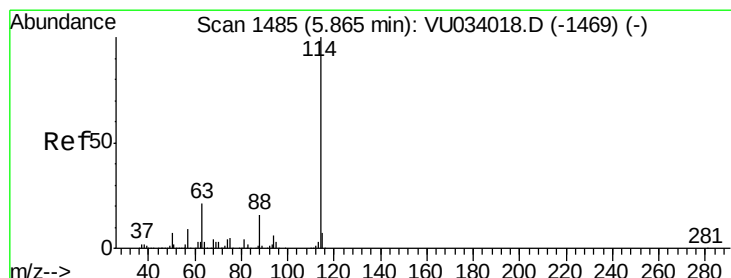
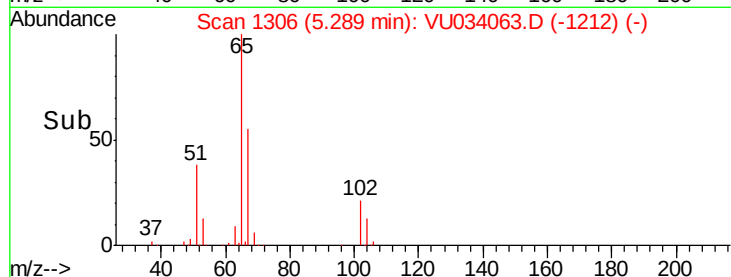
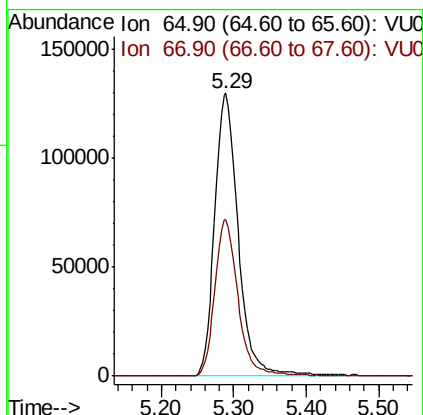
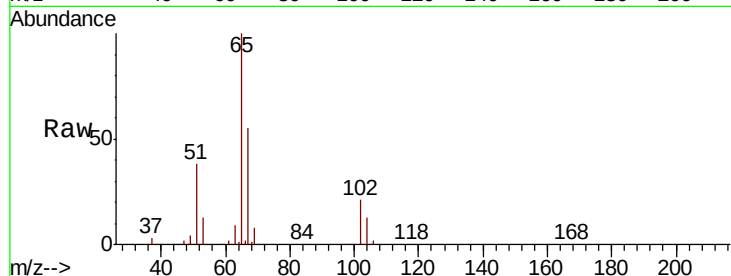




#33
 1,2-Dichloroethane-d4
 Concen: 50.043 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034063.D
 Acq: 29 Aug 2019 15:40

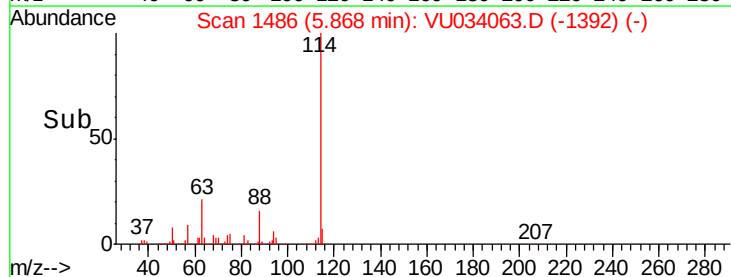
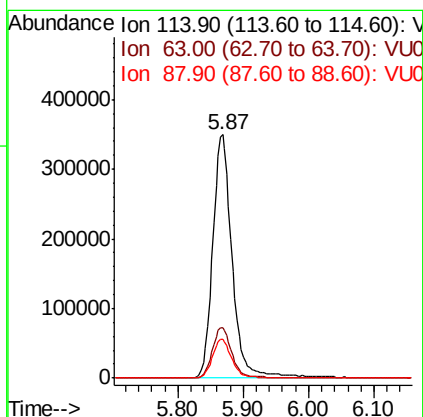
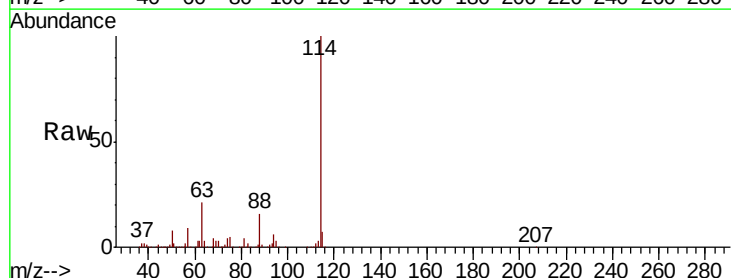
Instrument :
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 EB-3-082819

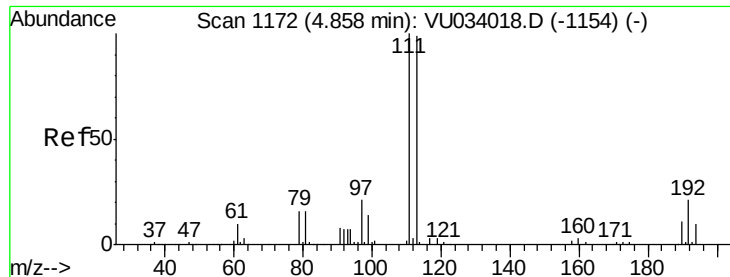
Tgt Ion: 65 Resp: 292057
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034063.D
 Acq: 29 Aug 2019 15:40

Tgt Ion: 114 Resp: 723298
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.0
 88 15.9 0.0 32.0

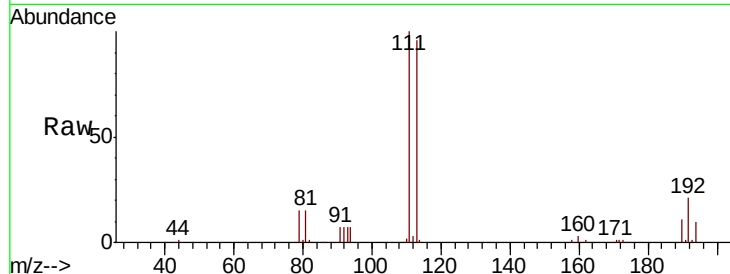




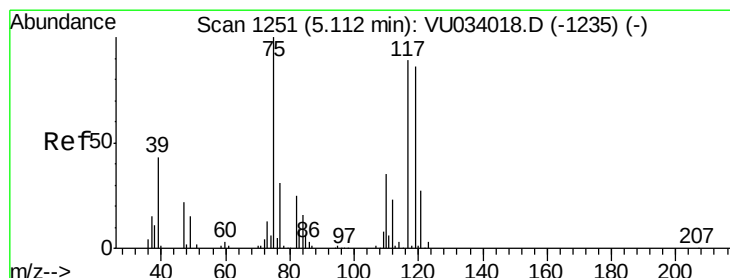
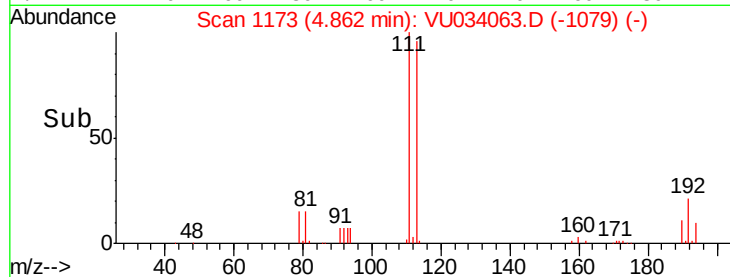
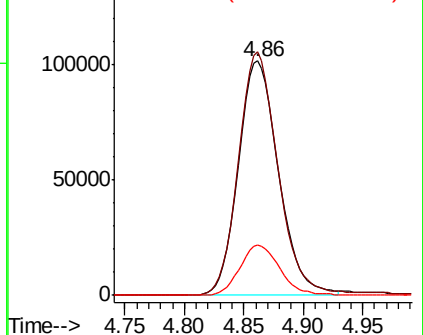
#35
 Dibromofluoromethane
 Concen: 47.449 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034063.D
 Acq: 29 Aug 2019 15:40

Instrument :
 MSVOA_U
 ClientSampleId :
 EB-3-082819

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.7	122.5
192	21.4	17.1	25.7

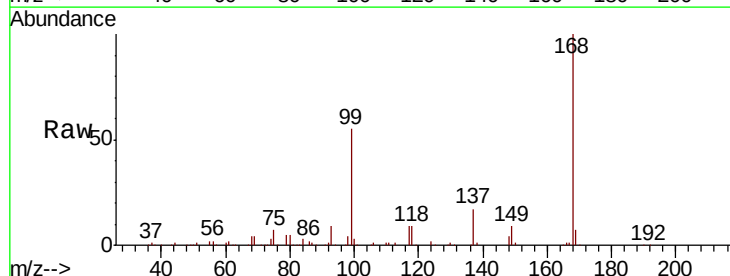


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

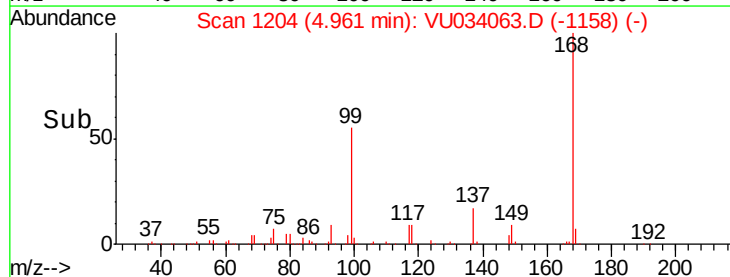
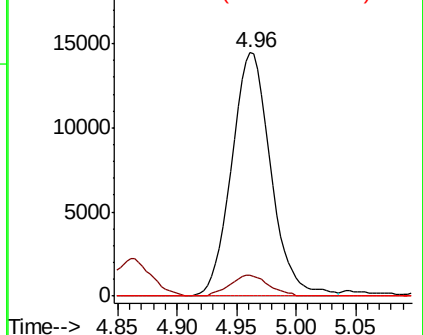


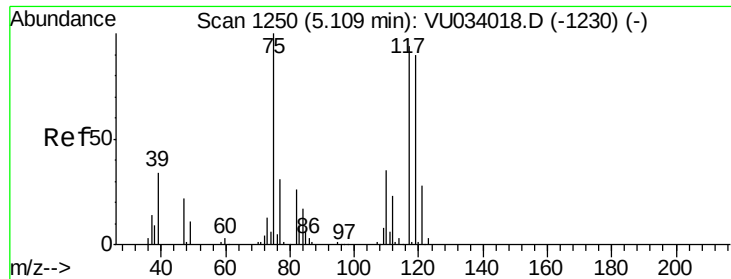
#36
 1,1-Dichloropropene
 Concen: 4.831 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034063.D
 Acq: 29 Aug 2019 15:40

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



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

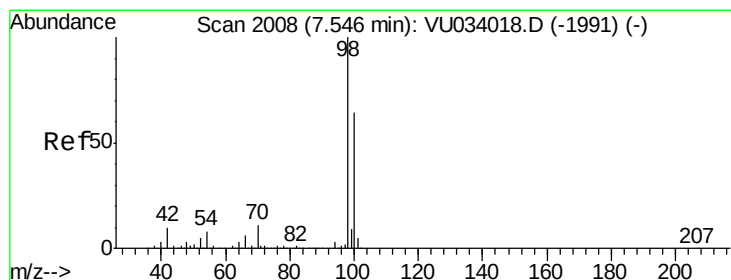
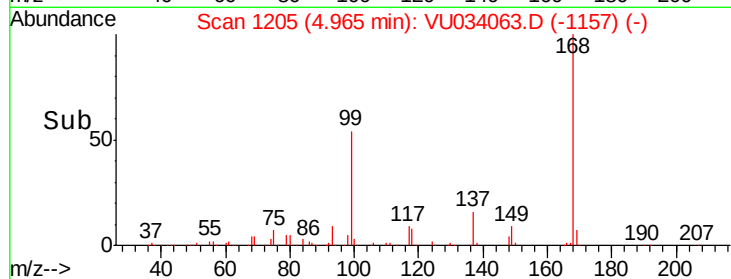
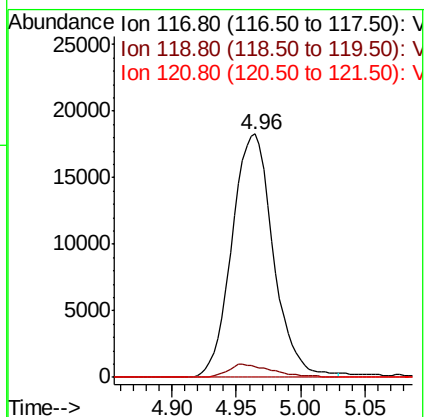
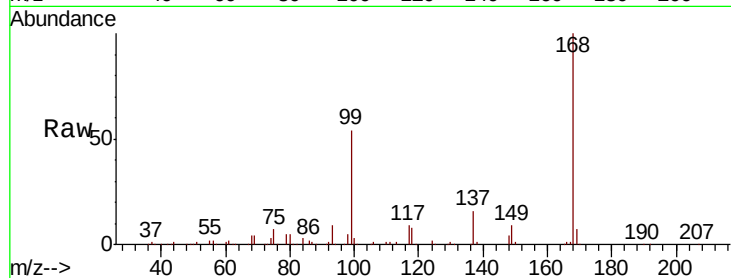




#38
Carbon Tetrachloride
Concen: 6.176 ug/l
RT: 4.96 min Scan# 1205
Delta R.T. -0.14 min
Lab File: VU034063.D
Acq: 29 Aug 2019 15:40

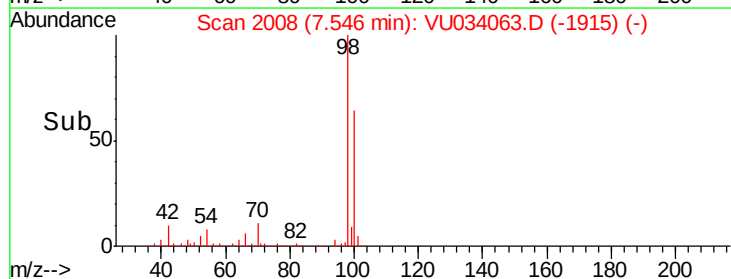
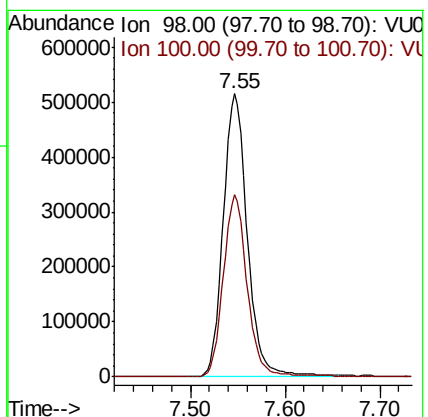
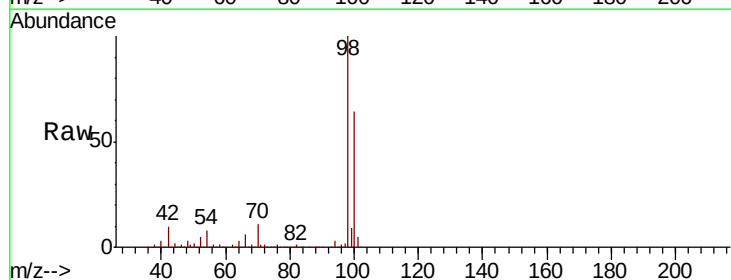
Instrument :
MSVOA_U
ClientSampleId :
EB-3-082819

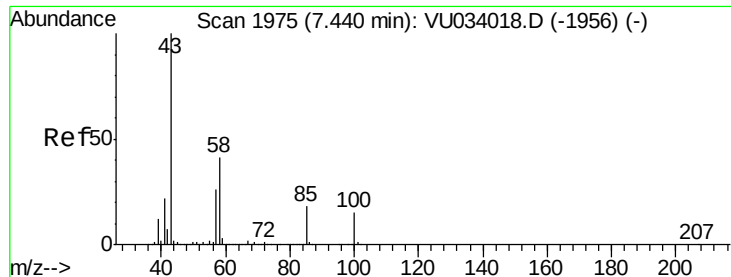
Tgt Ion: 117 Resp: 40788
Ion Ratio Lower Upper
117 100
119 4.5 77.0 115.4#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 48.588 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034063.D
Acq: 29 Aug 2019 15:40

Tgt Ion: 98 Resp: 912710
Ion Ratio Lower Upper
98 100
100 64.2 50.3 75.5

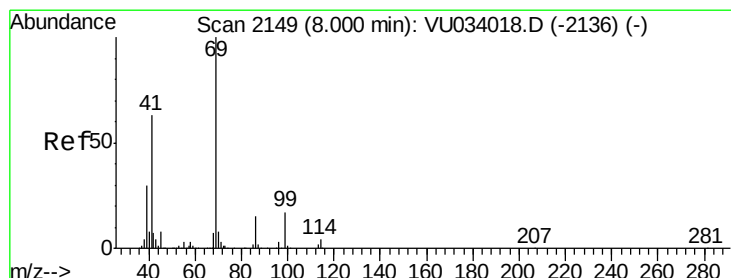
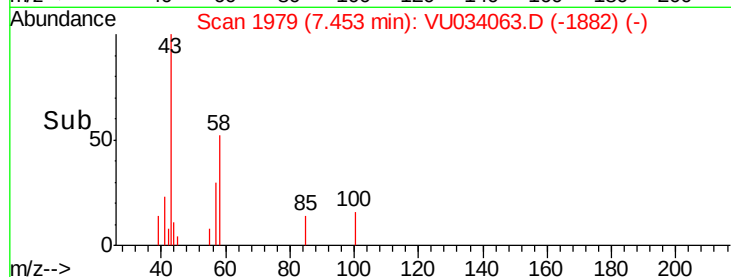
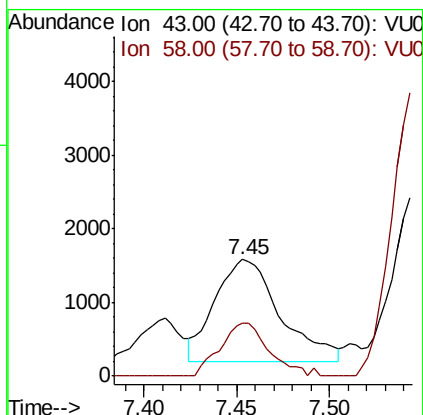
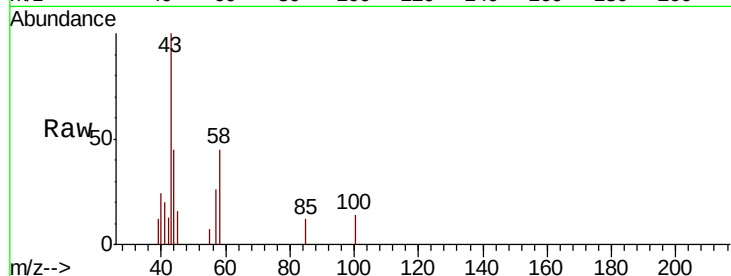




#51
 4-Methyl-2-Pentanone
 Concen: 0.419 ug/l
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.01 min
 Lab File: VU034063.D
 Acq: 29 Aug 2019 15:40

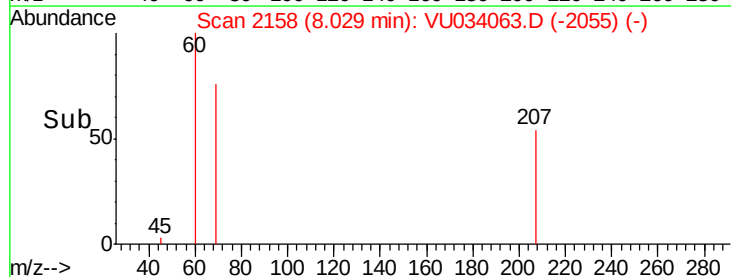
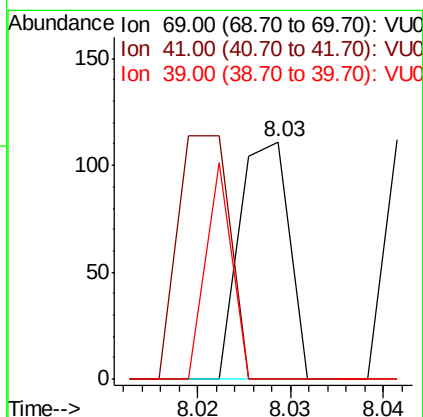
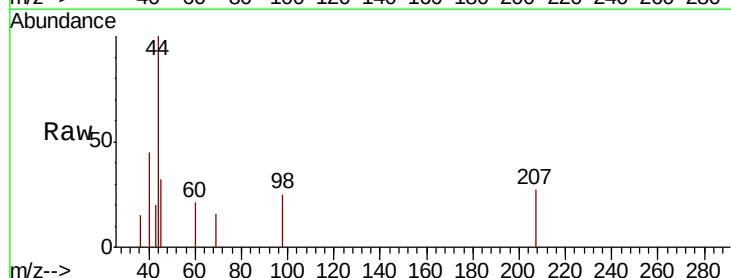
Instrument :
 MSVOA_U
 ClientSampleId :
 EB-3-082819

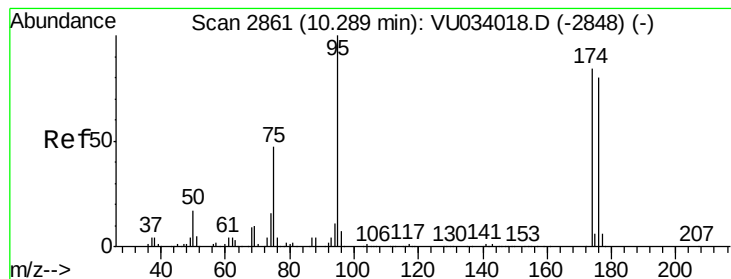
Tgt Ion: 43 Resp: 3375
 Ion Ratio Lower Upper
 43 100
 58 39.3 32.2 48.4



#56
 Ethyl methacrylate
 Concen: 0.976 ug/l
 RT: 8.03 min Scan# 2158
 Delta R.T. 0.03 min
 Lab File: VU034063.D
 Acq: 29 Aug 2019 15:40

Tgt Ion: 69 Resp: 41
 Ion Ratio Lower Upper
 69 100
 41 107.3 50.7 76.1#
 39 46.3 24.2 36.2#





#62

4-Bromofluorobenzene

Concen: 44.090 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034063.D

Acq: 29 Aug 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

EB-3-082819

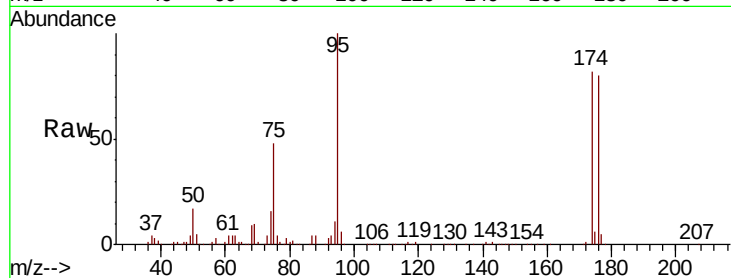
Tgt Ion: 95 Resp: 322163

Ion Ratio Lower Upper

95 100

174 84.0 0.0 168.8

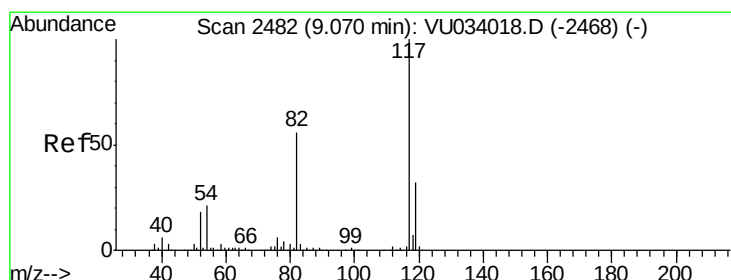
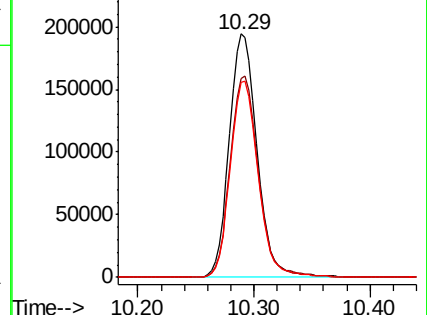
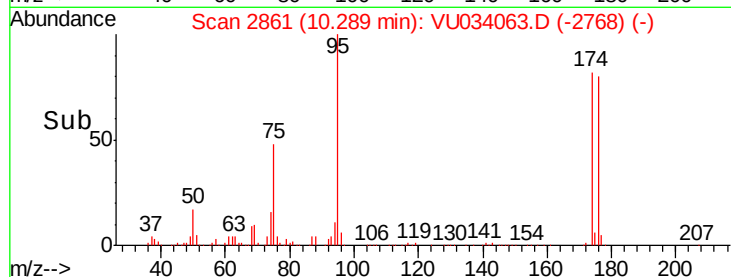
176 80.9 0.0 161.8



Abundance Ion 94.90 (94.60 to 95.60): VU034063.D (-2768) (-)

Ion 173.80 (173.50 to 174.50): VU034063.D (-2768) (-)

Ion 175.80 (175.50 to 176.50): VU034063.D (-2768) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.07 min Scan# 2482

Delta R.T. 0.00 min

Lab File: VU034063.D

Acq: 29 Aug 2019 15:40

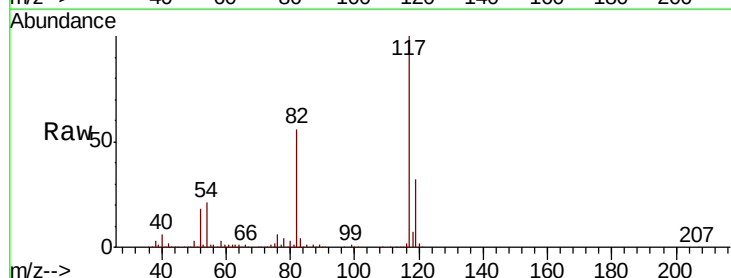
Tgt Ion: 117 Resp: 696228

Ion Ratio Lower Upper

117 100

82 56.1 45.1 67.7

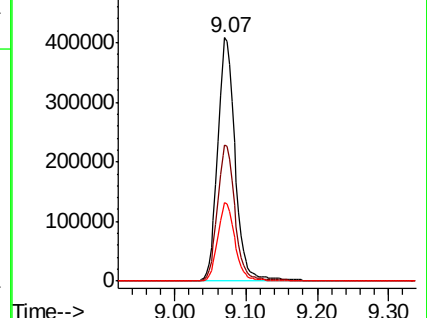
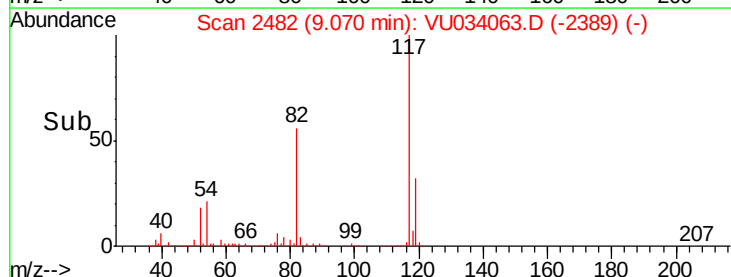
119 32.2 25.4 38.0

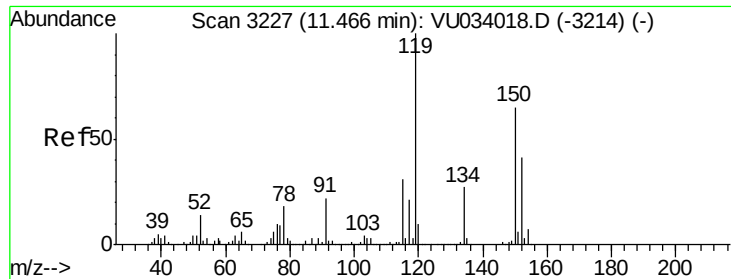


Abundance Ion 116.90 (116.60 to 117.60): VU034063.D (-2389) (-)

Ion 82.00 (81.70 to 82.70): VU034063.D (-2389) (-)

Ion 118.90 (118.60 to 119.60): VU034063.D (-2389) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU034063.D

Acq: 29 Aug 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

EB-3-082819

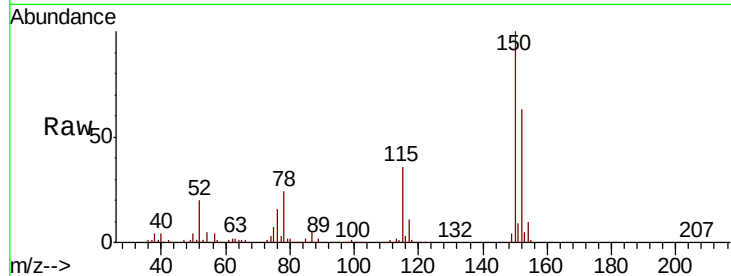
Tgt Ion:152 Resp: 345013

Ion Ratio Lower Upper

152 100

115 57.9 41.1 123.3

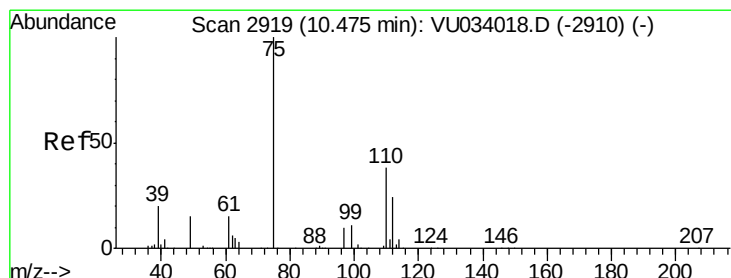
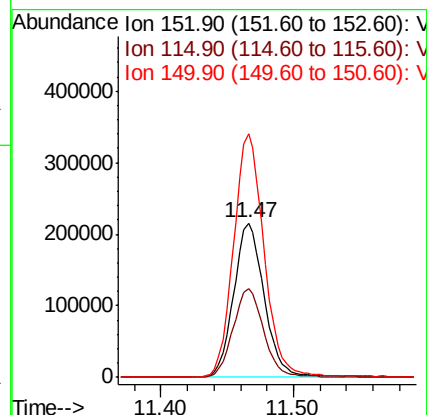
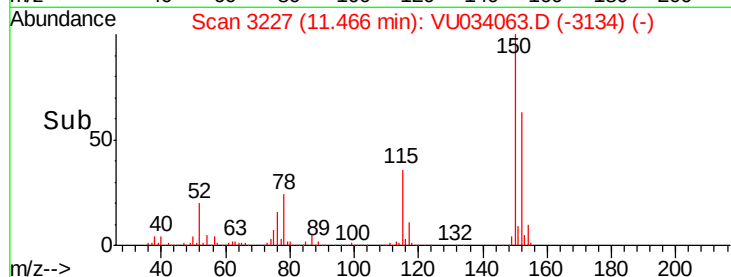
150 158.4 0.0 348.8



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: 19.700 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034063.D

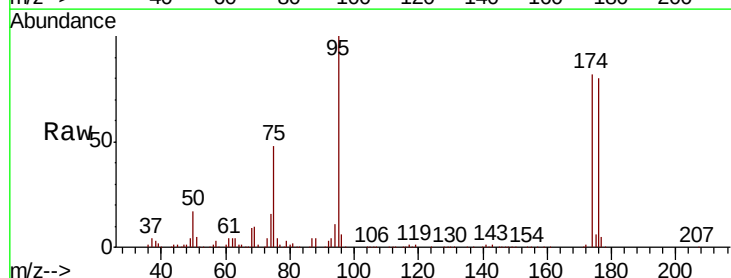
Acq: 29 Aug 2019 15:40

Tgt Ion: 75 Resp: 153188

Ion Ratio Lower Upper

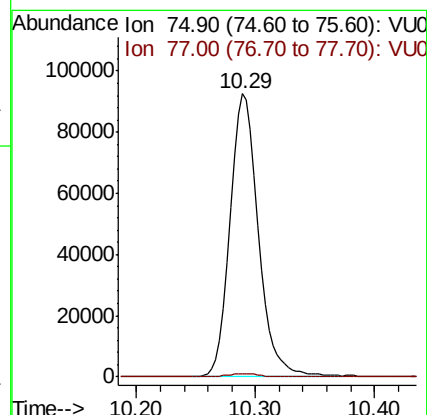
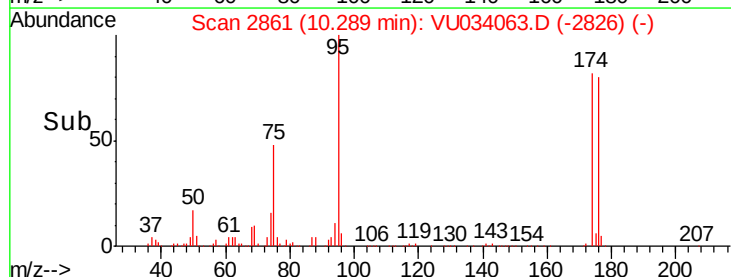
75 100

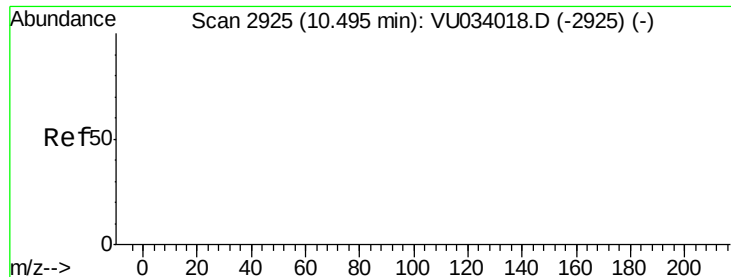
77 1.3 20.1 60.2#



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: 66.335 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.21 min

Lab File: VU034063.D

Acq: 29 Aug 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

EB-3-082819

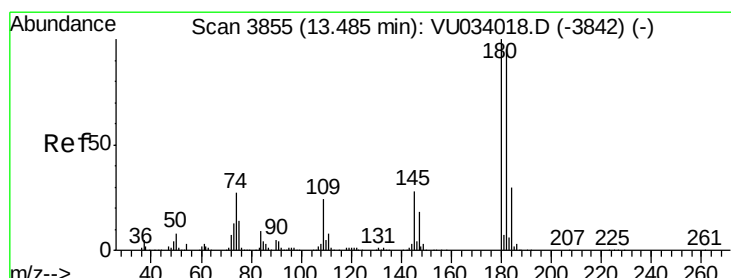
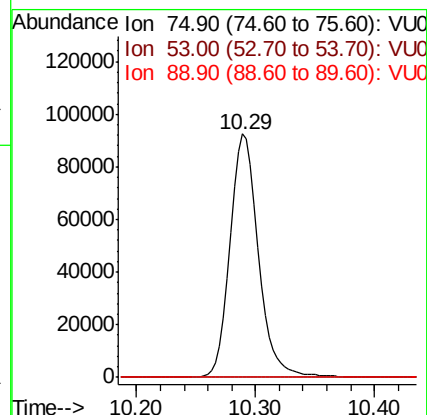
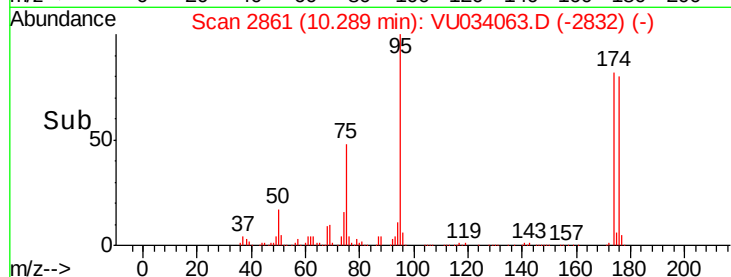
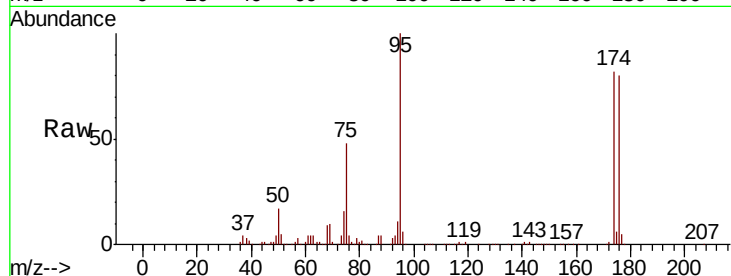
Tgt Ion: 75 Resp: 153188

Ion Ratio Lower Upper

75 100

53 0.1 0.0 0.0#

89 0.0 0.0 0.0



#93

1,2,4-Trichlorobenzene

Concen: 1.153 ug/l

RT: 13.52 min Scan# 3867

Delta R.T. 0.04 min

Lab File: VU034063.D

Acq: 29 Aug 2019 15:40

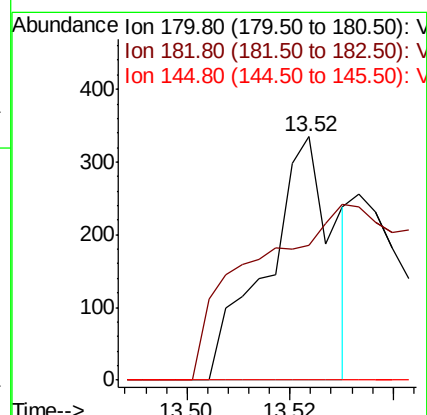
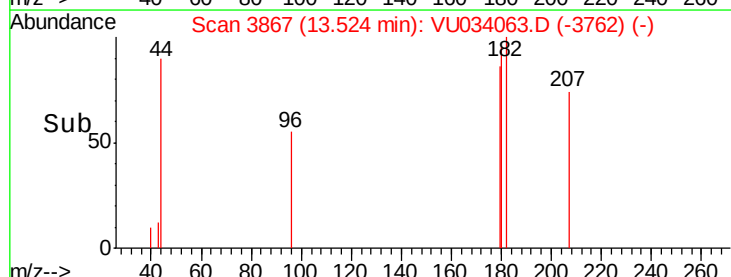
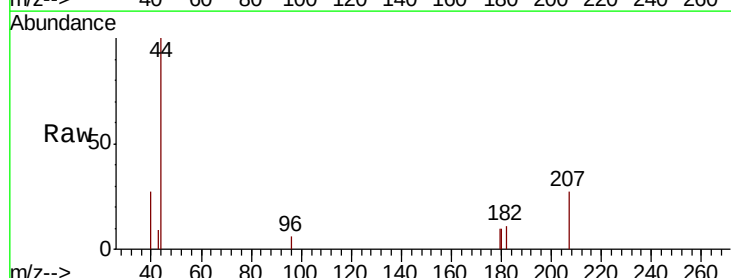
Tgt Ion: 180 Resp: 301

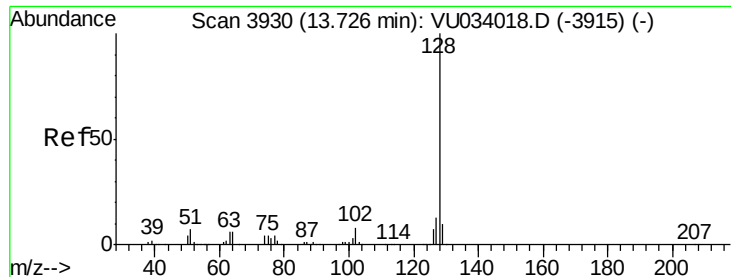
Ion Ratio Lower Upper

180 100

182 218.3 47.4 142.2#

145 0.0 14.1 42.3#





#95

Naphthalene

Concen: 1.859 ug/l

RT: 13.77 min Scan# 3943

Delta R.T. 0.04 min

Lab File: VU034063.D

Acq: 29 Aug 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

EB-3-082819

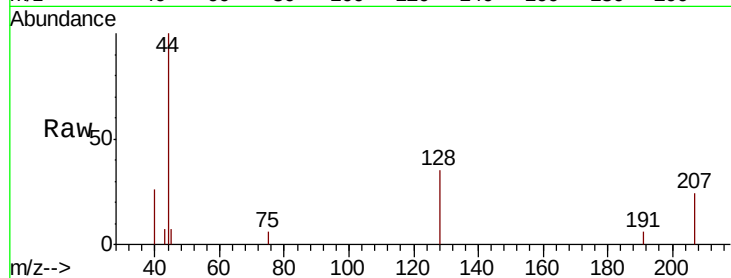
Tgt Ion:128 Resp: 1544

Ion Ratio Lower Upper

128 100

127 1.2 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

