

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
 Data File : VU034348.D
 Acq On : 06 Sep 2019 22:45
 Operator : JC/SP
 Sample : K4686-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TB-01-190903

Quant Time: Sep 07 04:12:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

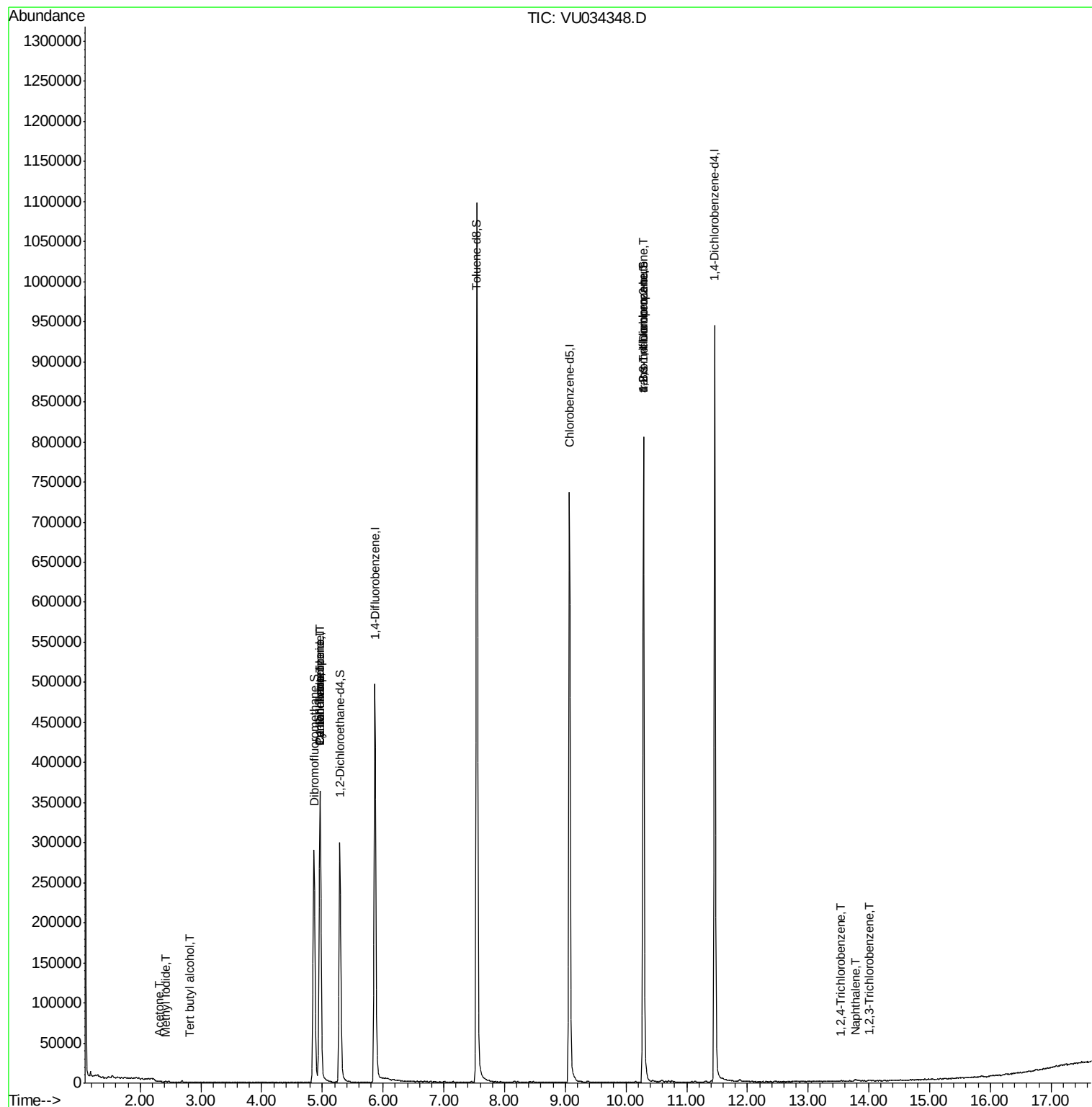
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	302782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	453253	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	448510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	265552	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	234541	51.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.40%	
35) Dibromofluoromethane	4.86	113	207421	49.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.36%	
50) Toluene-d8	7.55	98	781438	49.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.64%	
62) 4-Bromofluorobenzene	10.29	95	280670	45.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.76%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.63	94	1017	Below Cal		86
6) Chloroethane	1.69	64	198	Below Cal	#	43
10) Methyl Iodide	2.41	142	689	4.045	ug/l #	71
11) Tert butyl alcohol	2.83	59	477	0.493	ug/l #	73
16) Acetone	2.32	43	1320	0.557	ug/l #	64
20) Methylene Chloride	2.69	84	737	Below Cal		96
31) Cyclohexane	4.96	56	4751	0.885	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	20611	4.193	ug/l #	48
38) Carbon Tetrachloride	4.96	117	27404	5.221	ug/l #	15
76) 1,2,3-Trichloropropane	10.29	75	131183	22.631	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.29	75	131183	76.108	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.53	180	773	3.566	ug/l #	57
95) Naphthalene	13.77	128	2193	4.080	ug/l #	89
96) 1,2,3-Trichlorobenzene	14.00	180	443	2.708	ug/l #	12

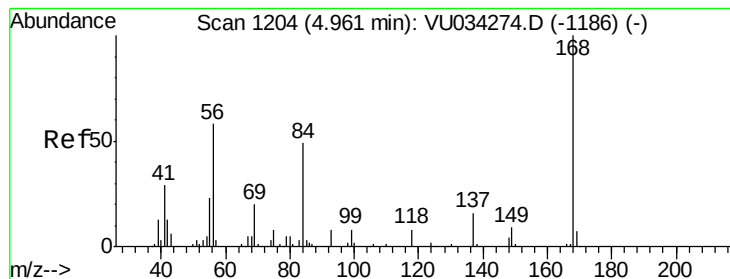
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034348.D

Acq: 06 Sep 2019 22:45

Instrument :

MSVOA_U

ClientSampleId :

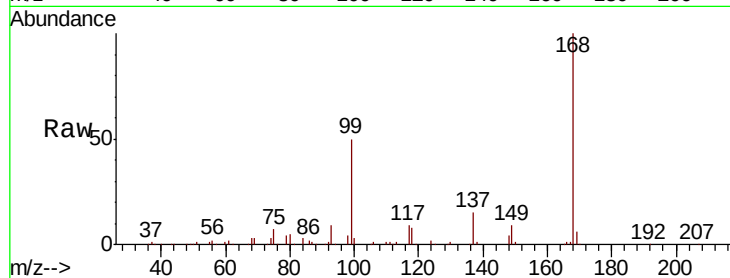
TB-01-190903

Tgt Ion: 168 Resp: 302782

Ion Ratio Lower Upper

168 100

99 49.5 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

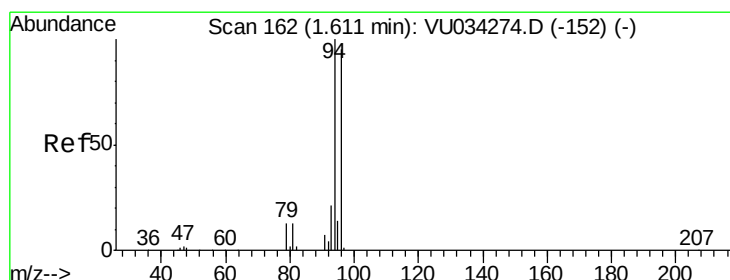
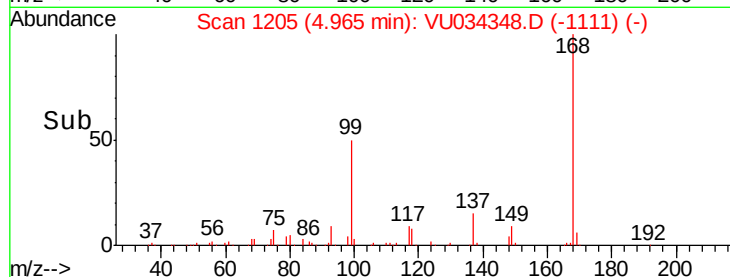
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 168

Delta R.T. 0.02 min

Lab File: VU034348.D

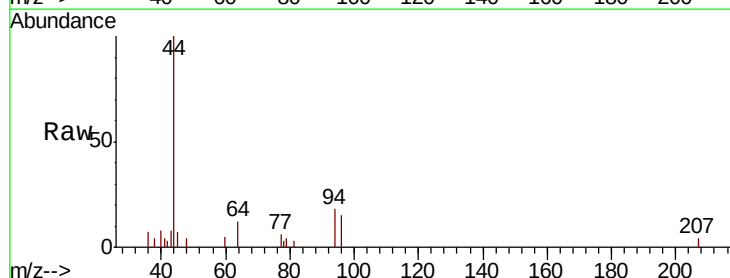
Acq: 06 Sep 2019 22:45

Tgt Ion: 94 Resp: 1017

Ion Ratio Lower Upper

94 100

96 80.8 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034274.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034274.D (-152) (-)

1.63

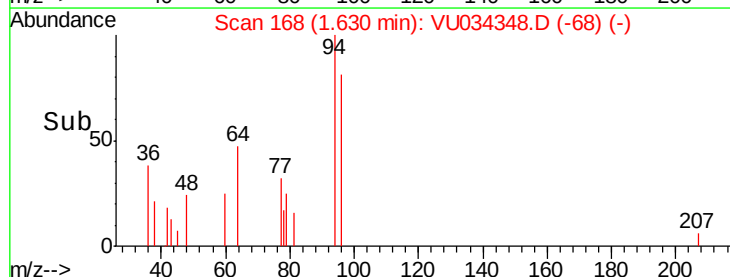
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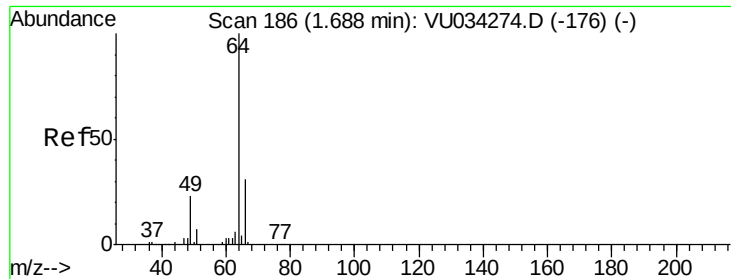
400

200

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU034348.D

Acq: 06 Sep 2019 22:45

Instrument :

MSVOA_U

ClientSampleId :

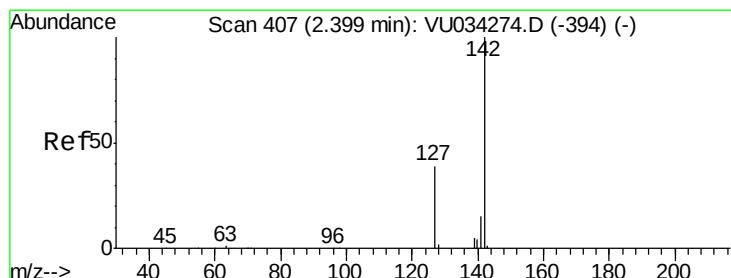
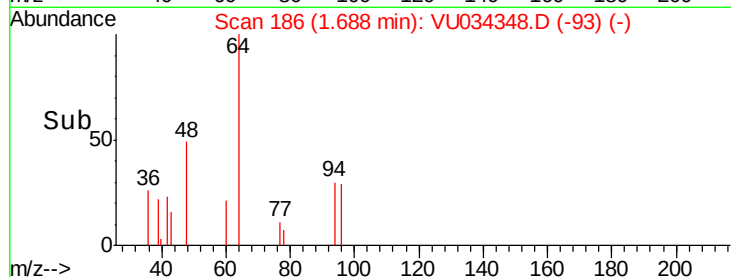
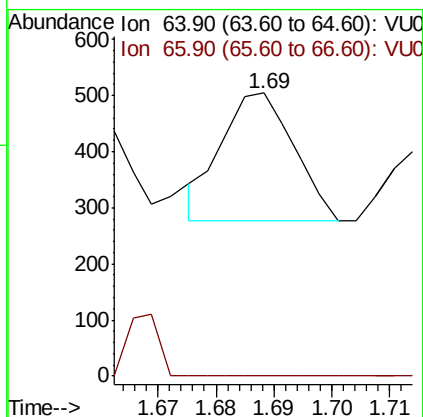
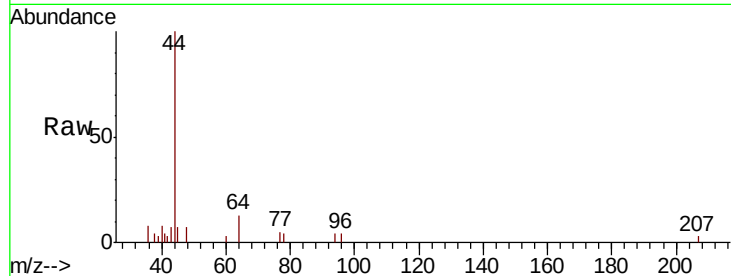
TB-01-190903

Tgt Ion: 64 Resp: 198

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



#10

Methyl Iodide

Concen: 4.045 ug/l

RT: 2.41 min Scan# 412

Delta R.T. 0.02 min

Lab File: VU034348.D

Acq: 06 Sep 2019 22:45

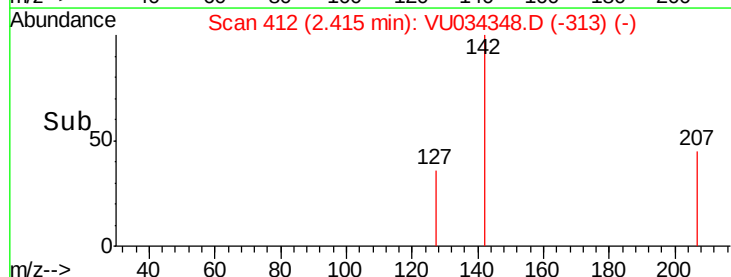
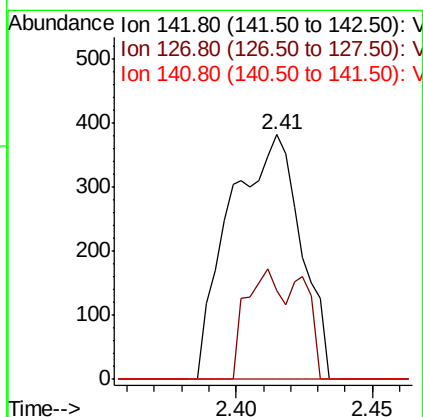
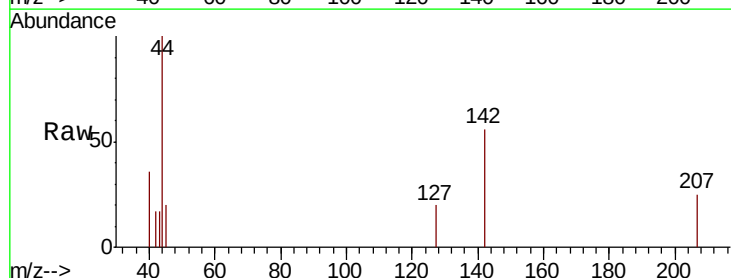
Tgt Ion: 142 Resp: 689

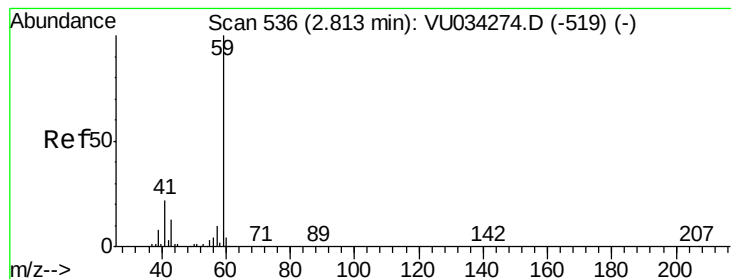
Ion Ratio Lower Upper

142 100

127 23.2 32.1 48.1#

141 0.0 11.5 17.3#





#11

Tert butyl alcohol

Concen: 0.493 ug/l

RT: 2.83 min Scan# 540

Delta R.T. 0.01 min

Lab File: VU034348.D

Acq: 06 Sep 2019 22:45

Instrument :

MSVOA_U

ClientSampleId :

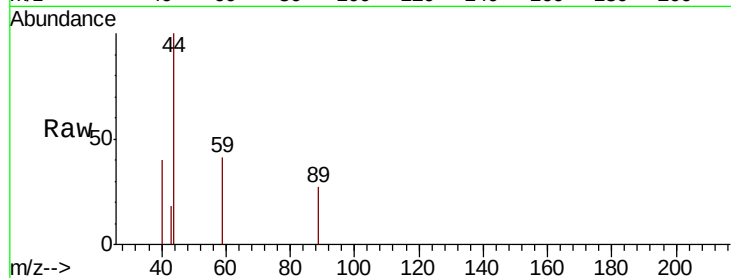
TB-01-190903

Tgt Ion: 59 Resp: 477

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VU034348.D (-519) (-)

Ion 57.00 (56.70 to 57.70): VU034348.D (-519) (-)

2.83

250

200

150

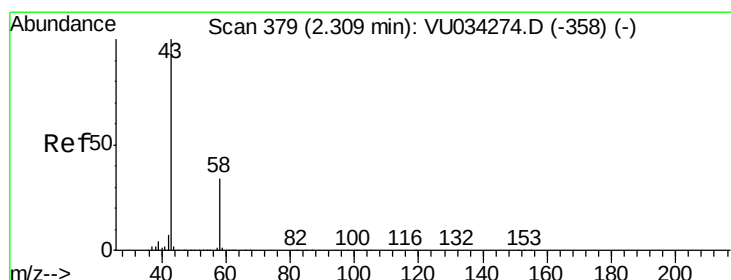
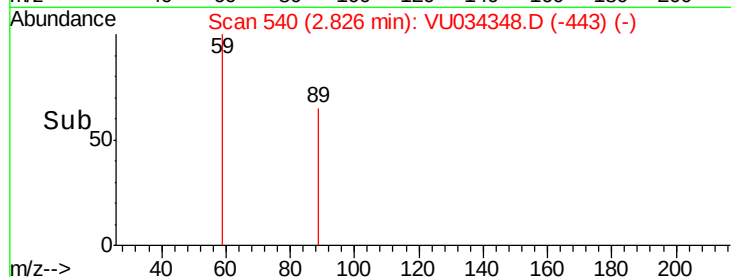
100

50

0

2.80 2.85

Time-->



#16

Acetone

Concen: 0.557 ug/l

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VU034348.D

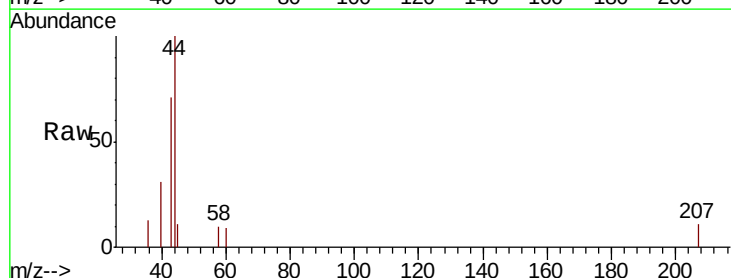
Acq: 06 Sep 2019 22:45

Tgt Ion: 43 Resp: 1320

Ion Ratio Lower Upper

43 100

58 13.9 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VU034348.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034348.D (-358) (-)

2.32

800

600

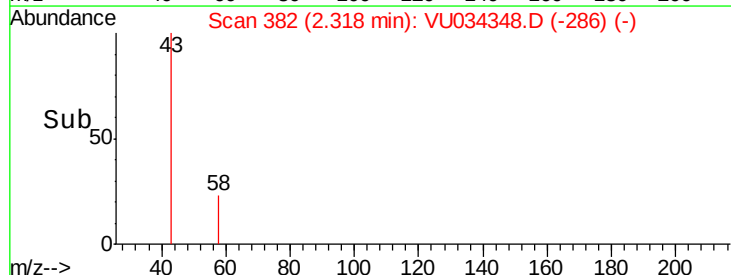
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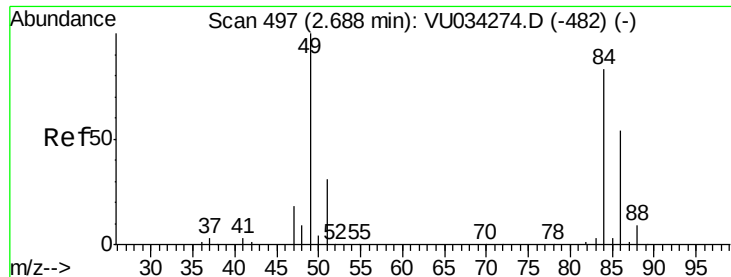
200

0

2.30 2.35

Time-->

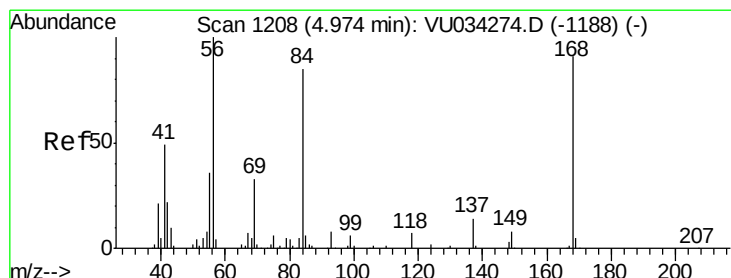
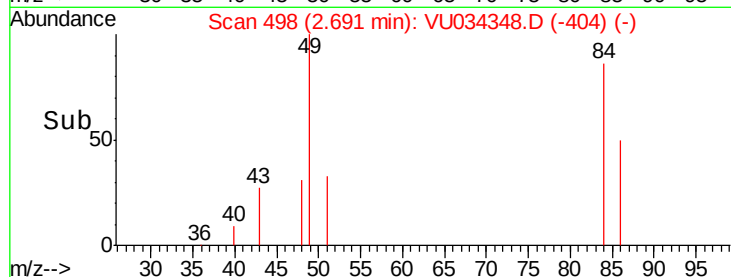
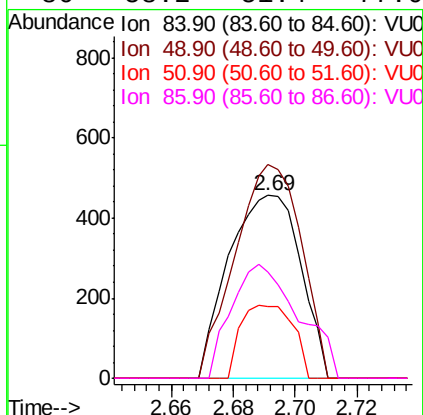
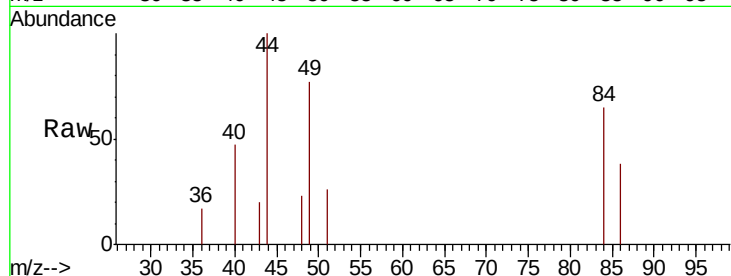




#20
Methylene Chloride
Concen: Below Cal
RT: 2.69 min Scan# 498
Delta R.T. 0.00 min
Lab File: VU034348.D
Acq: 06 Sep 2019 22:45

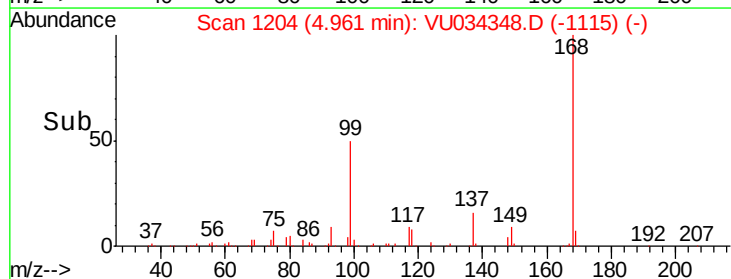
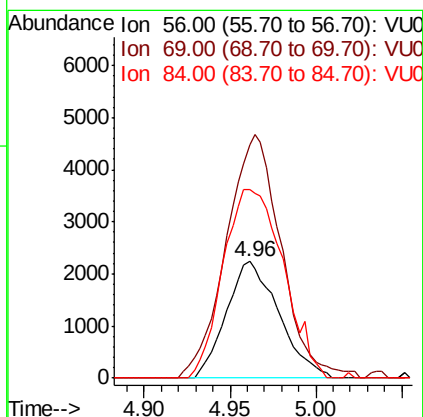
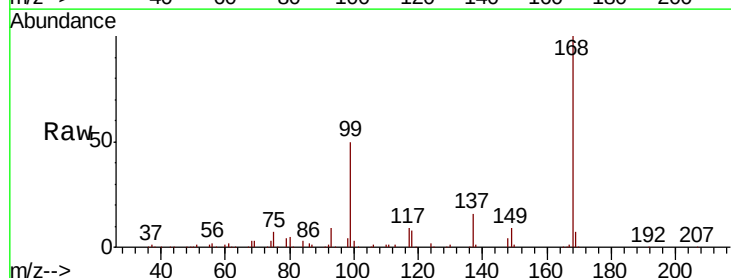
Instrument :
MSVOA_U
ClientSampleId :
TB-01-190903

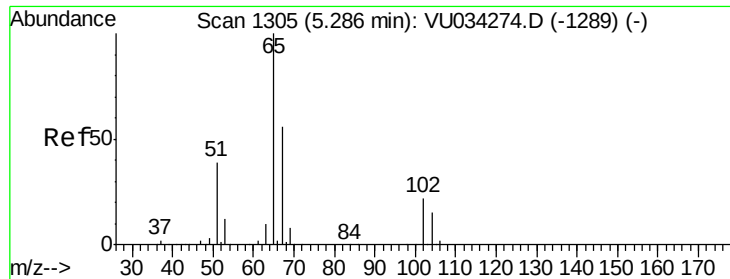
Tgt Ion:	84	Resp:	737
Ion	Ratio	Lower	Upper
84	100		
49	116.8	96.0	144.0
51	38.9	30.0	45.0
86	58.2	51.4	77.0



#31
Cyclohexane
Concen: 0.885 ug/l
RT: 4.96 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VU034348.D
Acq: 06 Sep 2019 22:45

Tgt Ion:	56	Resp:	4751
Ion	Ratio	Lower	Upper
56	100		
69	193.9	26.7	40.1#
84	162.1	68.2	102.4#

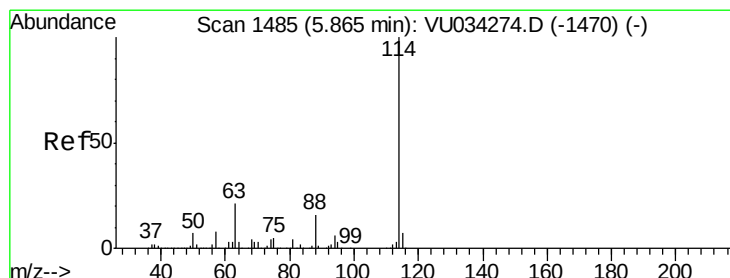
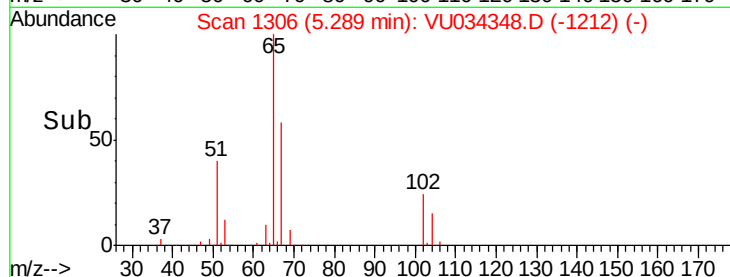
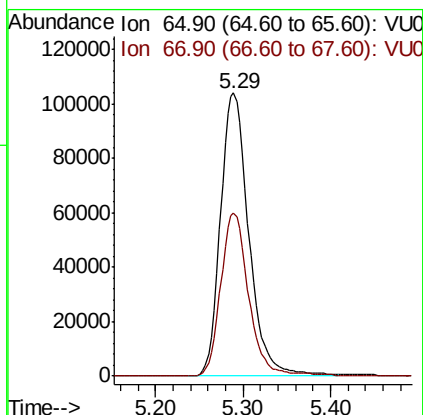
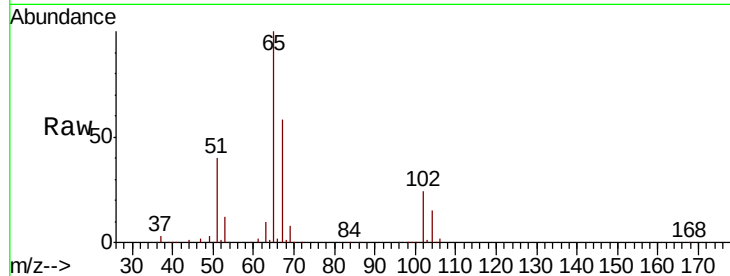




#33
 1,2-Dichloroethane-d4
 Concen: 51.197 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034348.D
 Acq: 06 Sep 2019 22:45

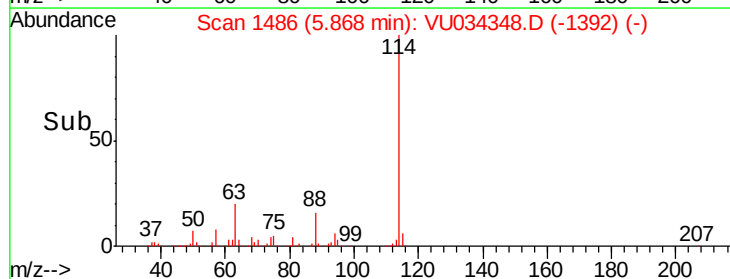
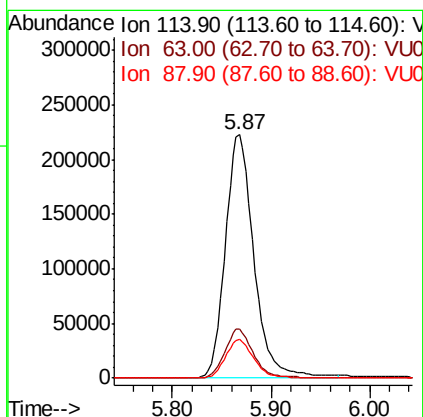
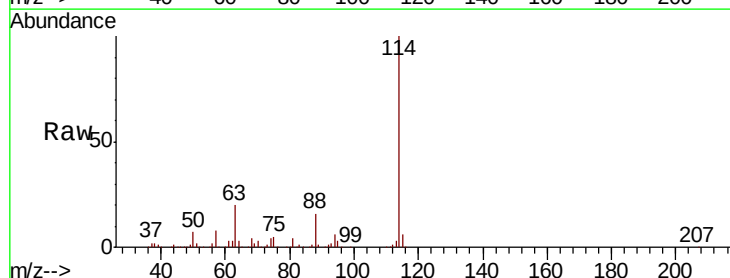
Instrument :
 MSVOA_U
 ClientSampleId :
 TB-01-190903

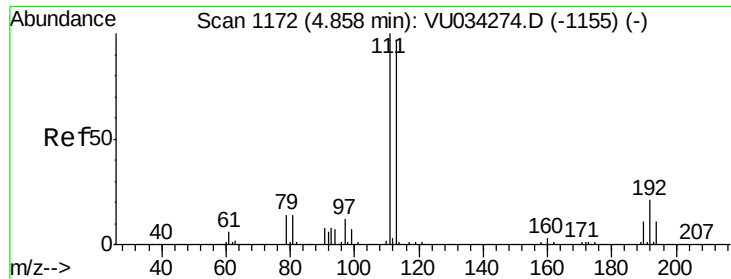
Tgt Ion: 65 Resp: 234541
 Ion Ratio Lower Upper
 65 100
 67 56.2 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034348.D
 Acq: 06 Sep 2019 22:45

Tgt Ion: 114 Resp: 453253
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.4
 88 15.7 0.0 32.4

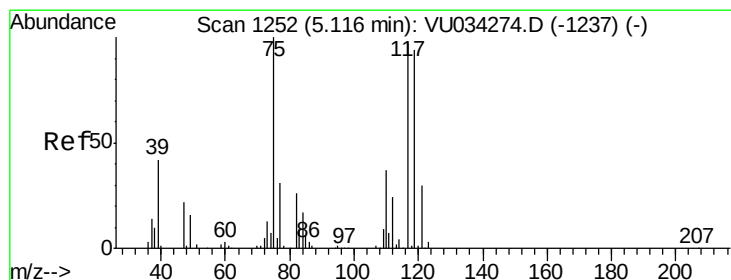
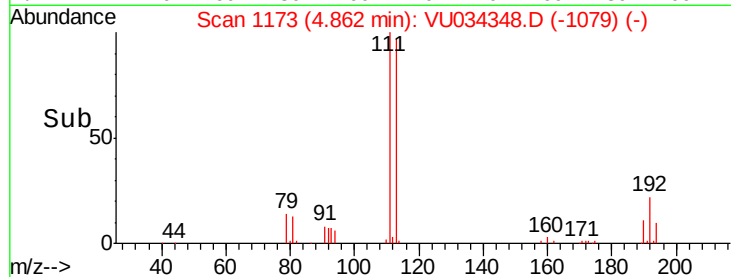
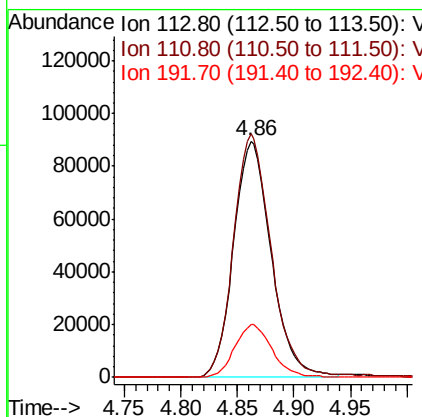
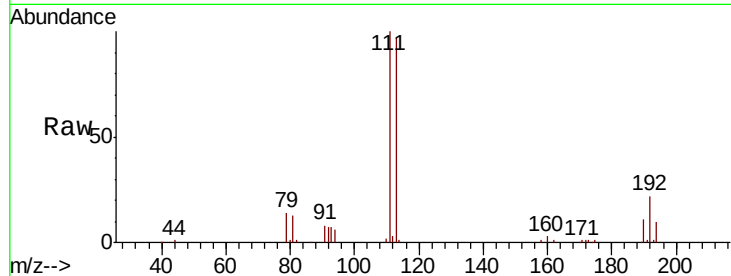




#35
 Dibromofluoromethane
 Concen: 49.181 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034348.D
 Acq: 06 Sep 2019 22:45

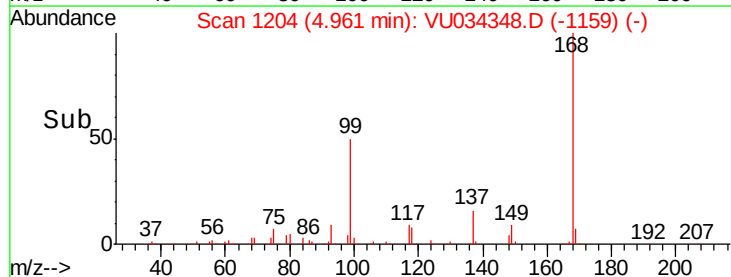
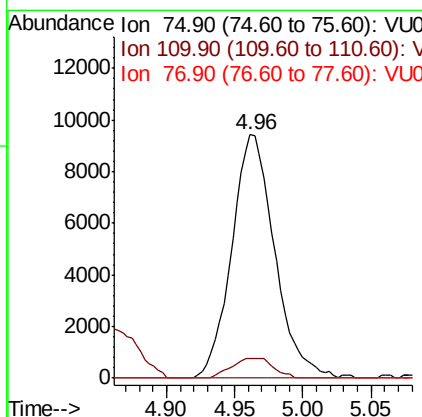
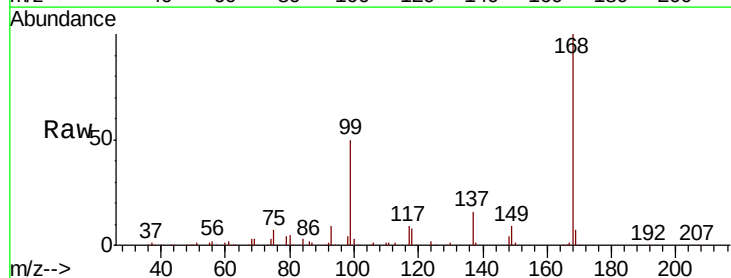
Instrument :
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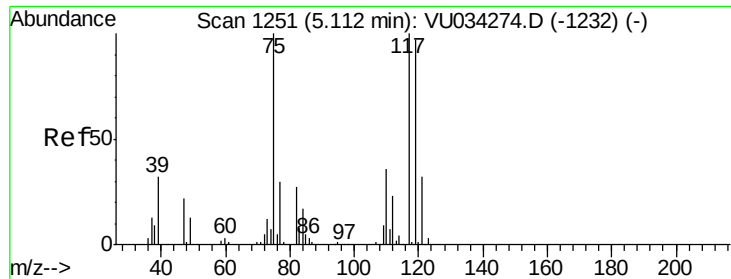
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.5	122.3
192	22.2	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 4.193 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034348.D
 Acq: 06 Sep 2019 22:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	18.3	54.9#
77	0.0	24.9	37.3#

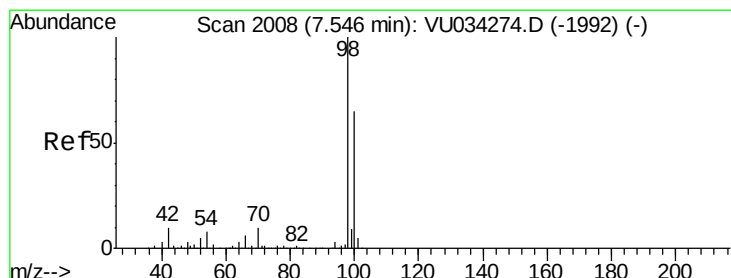
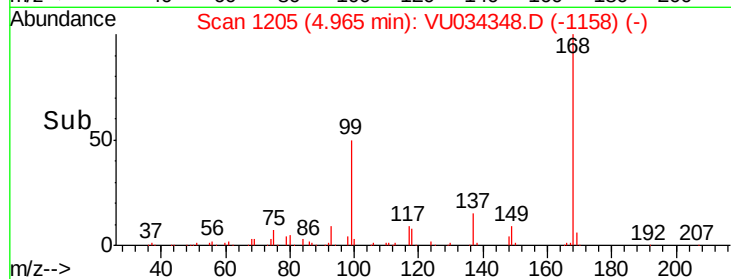
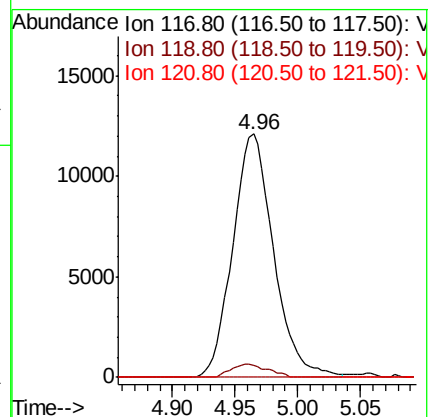
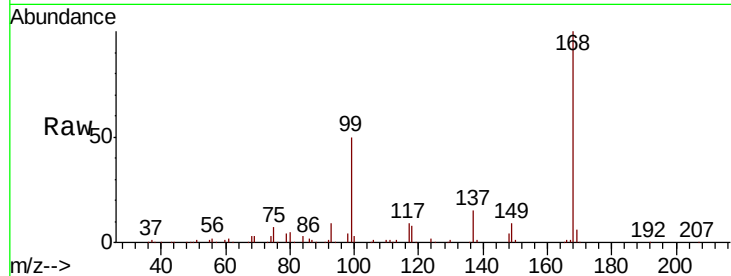




#38
 Carbon Tetrachloride
 Concen: 5.221 ug/l
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.15 min
 Lab File: VU034348.D
 Acq: 06 Sep 2019 22:45

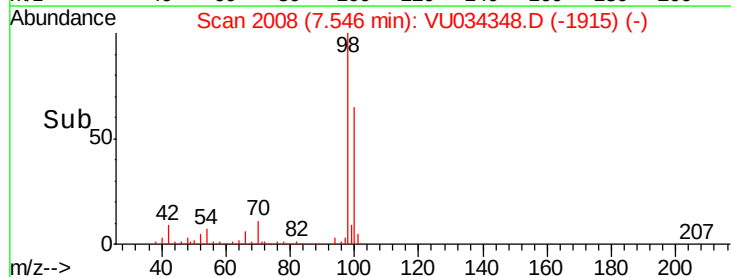
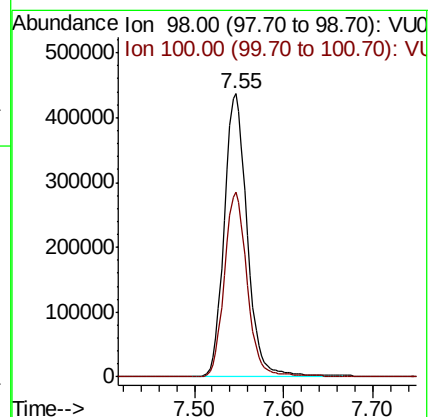
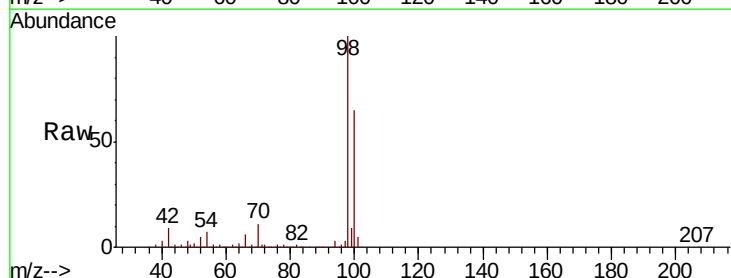
Instrument :
 MSVOA_U
 ClientSampleId :
 TB-01-190903

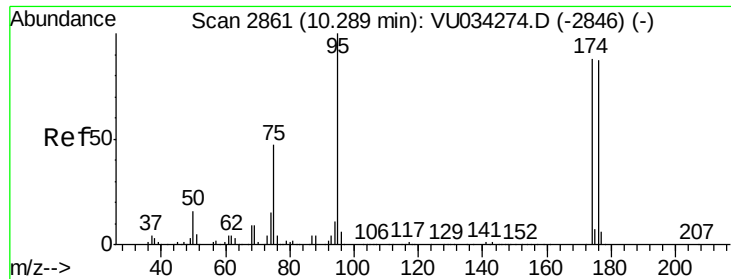
Tgt Ion: 117 Resp: 27404
 Ion Ratio Lower Upper
 117 100
 119 4.9 77.8 116.6#
 121 0.0 25.2 37.8#



#50
 Toluene-d8
 Concen: 49.316 ug/l
 RT: 7.55 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VU034348.D
 Acq: 06 Sep 2019 22:45

Tgt Ion: 98 Resp: 781438
 Ion Ratio Lower Upper
 98 100
 100 65.2 51.7 77.5

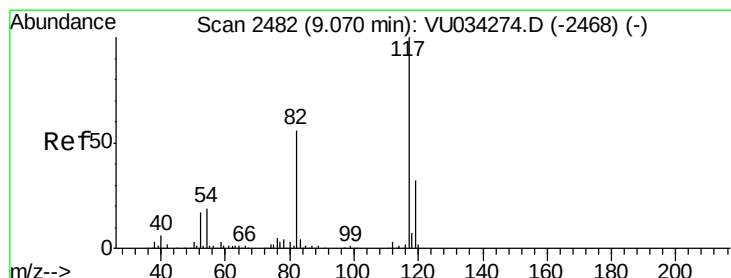
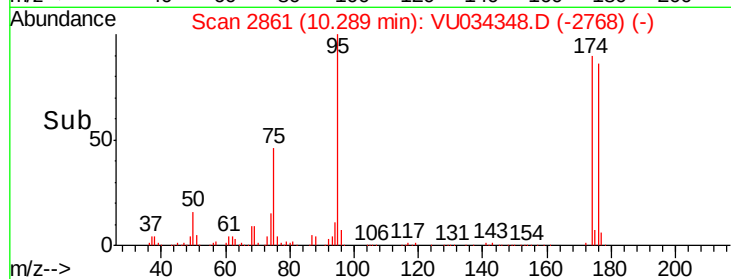
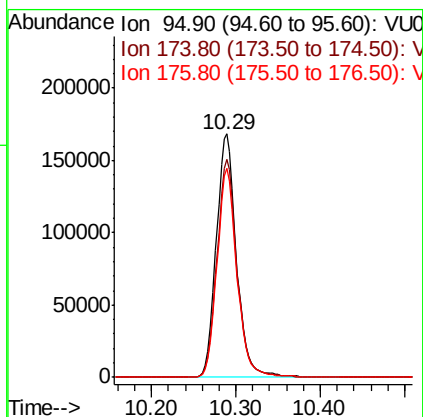
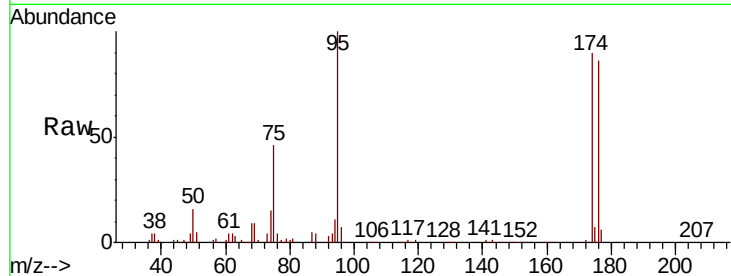




#62
4-Bromofluorobenzene
Concen: 45.878 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VU034348.D
Acq: 06 Sep 2019 22:45

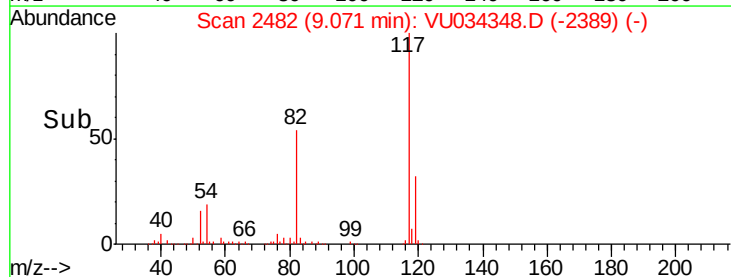
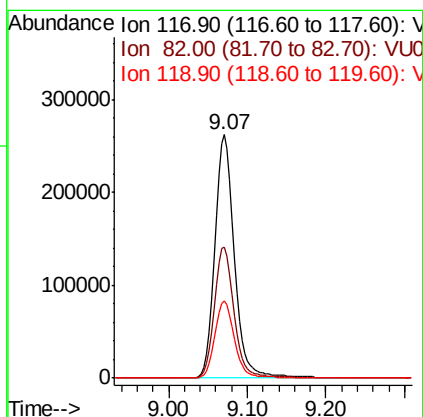
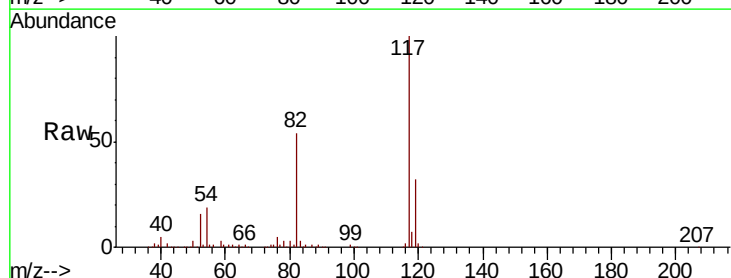
Instrument :
MSVOA_U
ClientSampleId :
TB-01-190903

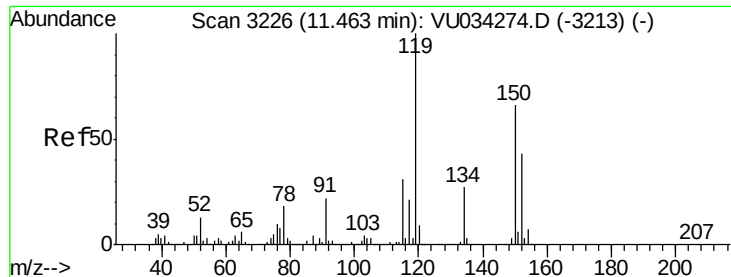
Tgt Ion: 95 Resp: 280670
Ion Ratio Lower Upper
95 100
174 89.2 0.0 175.2
176 84.9 0.0 168.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034348.D
Acq: 06 Sep 2019 22:45

Tgt Ion: 117 Resp: 448510
Ion Ratio Lower Upper
117 100
82 54.0 44.6 67.0
119 31.6 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU034348.D

Acq: 06 Sep 2019 22:45

Instrument :

MSVOA_U

ClientSampleId :

TB-01-190903

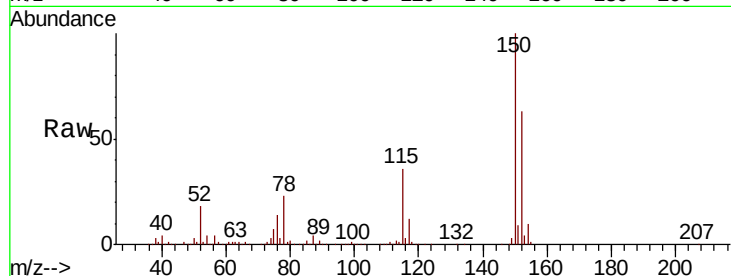
Tgt Ion:152 Resp: 265552

Ion Ratio Lower Upper

152 100

115 56.5 39.1 117.3

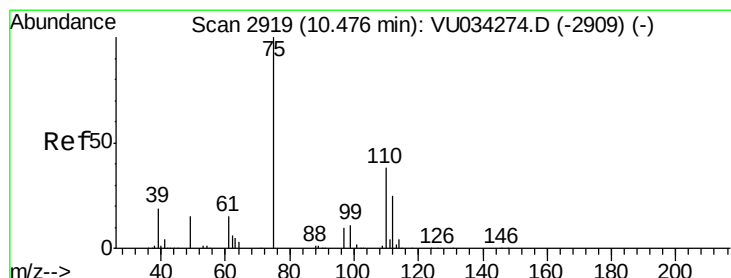
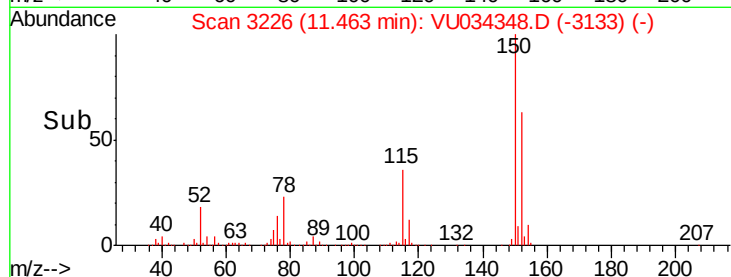
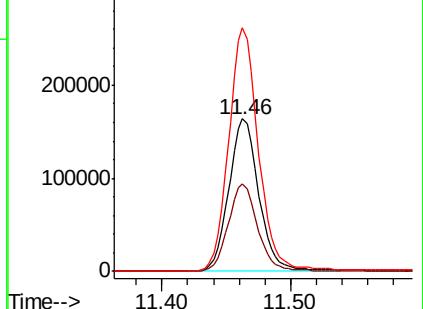
150 157.8 0.0 345.4



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: 22.631 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034348.D

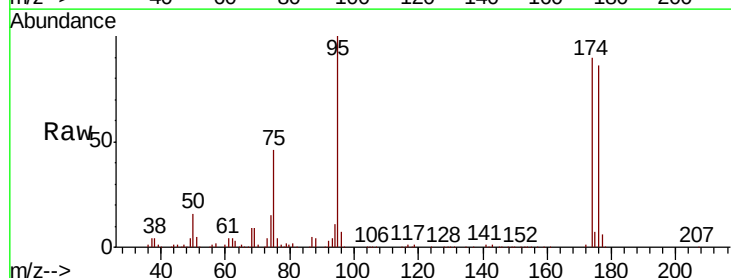
Acq: 06 Sep 2019 22:45

Tgt Ion: 75 Resp: 131183

Ion Ratio Lower Upper

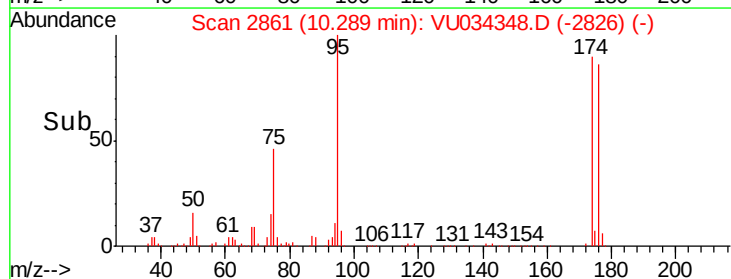
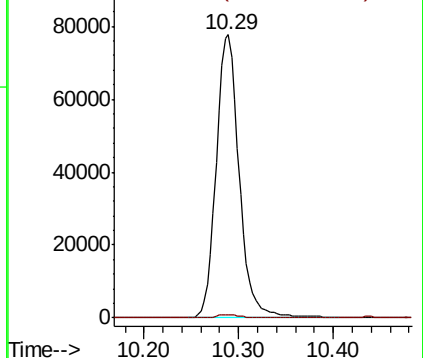
75 100

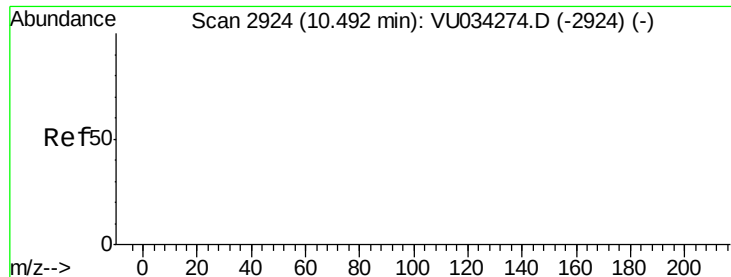
77 1.2 20.8 62.2#



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: 76.108 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.20 min

Lab File: VU034348.D

Acq: 06 Sep 2019 22:45

Instrument :

MSVOA_U

ClientSampleId :

TB-01-190903

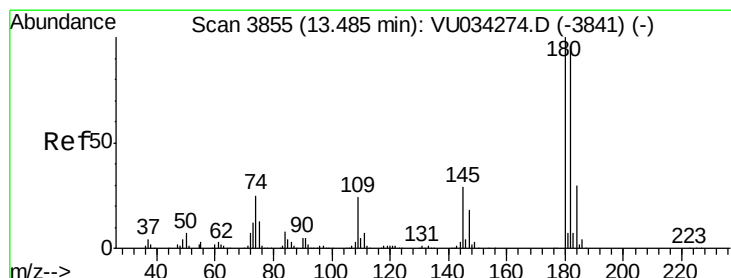
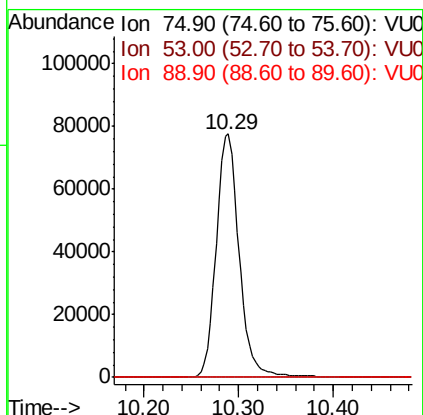
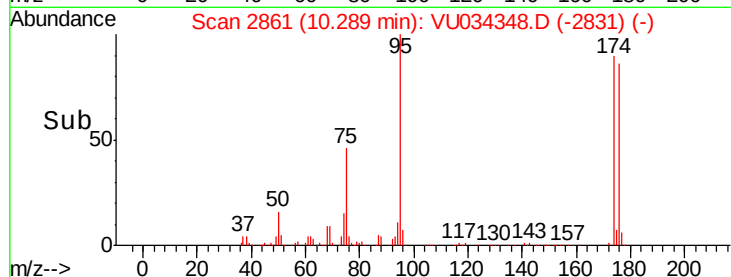
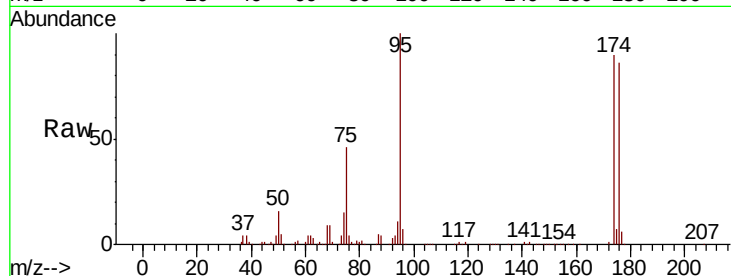
Tgt Ion: 75 Resp: 131183

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#93

1,2,4-Trichlorobenzene

Concen: 3.566 ug/l

RT: 13.53 min Scan# 3870

Delta R.T. 0.05 min

Lab File: VU034348.D

Acq: 06 Sep 2019 22:45

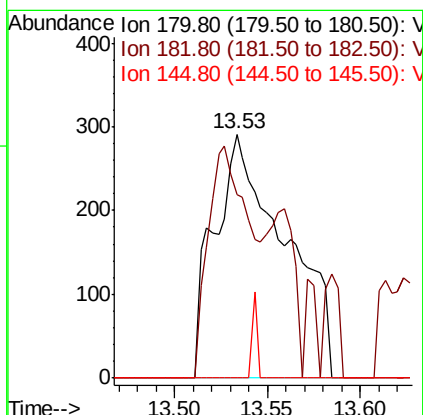
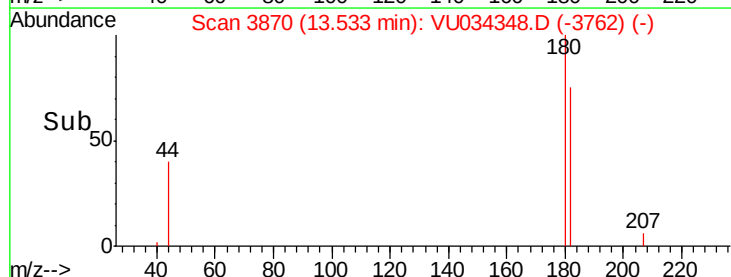
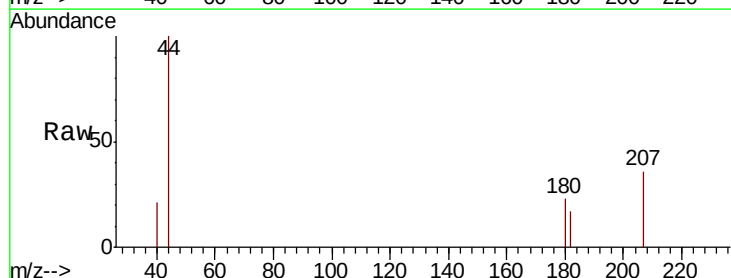
Tgt Ion: 180 Resp: 773

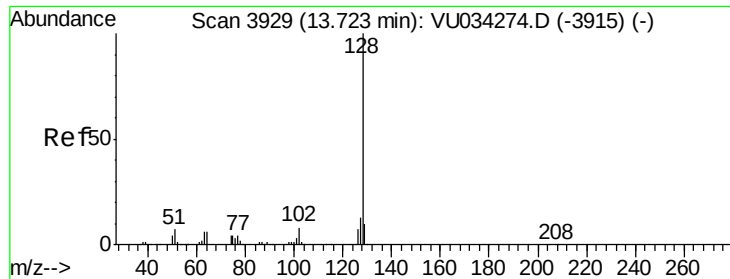
Ion Ratio Lower Upper

180 100

182 55.5 47.9 143.8

145 2.6 14.4 43.0#

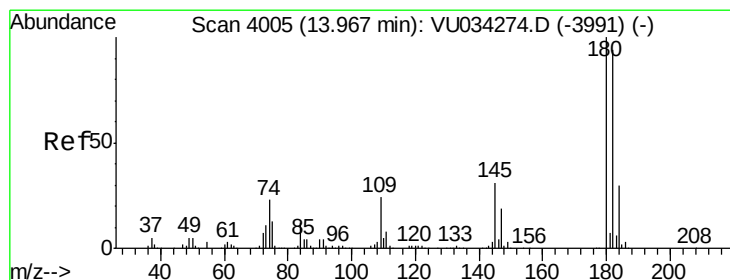
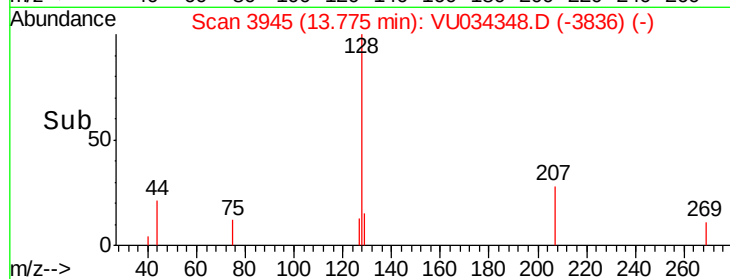
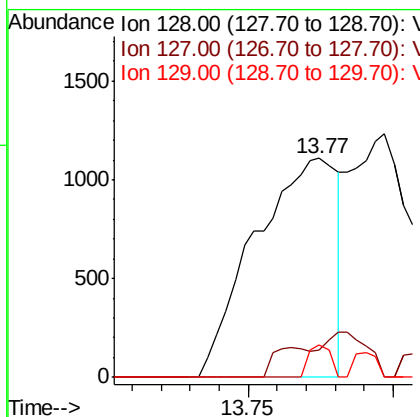
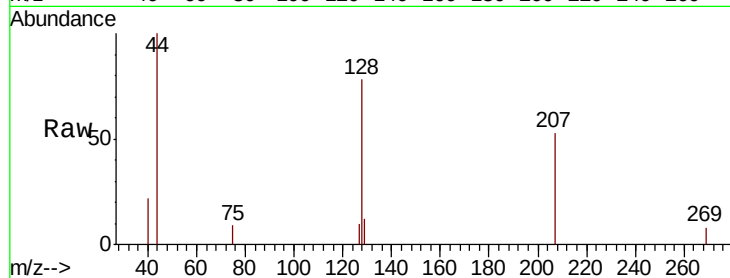




#95
Naphthalene
Concen: 4.080 ug/l
RT: 13.77 min Scan# 3945
Delta R.T. 0.05 min
Lab File: VU034348.D
Acq: 06 Sep 2019 22:45

Instrument :
MSVOA_U
ClientSampleId :
TB-01-190903

Tgt Ion:128 Resp: 2193
Ion Ratio Lower Upper
128 100
127 11.1 10.6 15.8
129 3.9 8.4 12.6#



#96
1,2,3-Trichlorobenzene
Concen: 2.708 ug/l
RT: 14.00 min Scan# 4014
Delta R.T. 0.03 min
Lab File: VU034348.D
Acq: 06 Sep 2019 22:45

Tgt Ion:180 Resp: 443
Ion Ratio Lower Upper
180 100
182 0.0 48.4 145.0#
145 0.0 15.4 46.4#

