

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
 Data File : VU034320.D
 Acq On : 06 Sep 2019 11:09
 Operator : JC/SP
 Sample : K4689-01DL 250X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 06 12:24:20 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	293753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	426651	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	426646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	274511	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	223118	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
35) Dibromofluoromethane	4.86	113	197638	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
50) Toluene-d8	7.55	98	735272	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
62) 4-Bromofluorobenzene	10.29	95	262470	45.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.16%	

Target Compounds

					Qvalue
5) Bromomethane	1.63	94	812	Below Cal	# 78
6) Chloroethane	1.67	64	50	Below Cal	# 43
10) Methyl Iodide	2.41	142	672	4.046	ug/l # 67
11) Tert butyl alcohol	2.81	59	233	0.248	ug/l # 73
13) Acrolein	2.18	56	316	0.400	ug/l # 56
16) Acetone	2.31	43	2881	1.253	ug/l 89
20) Methylene Chloride	2.69	84	654	Below Cal	# 96
29) Tetrahydrofuran	4.65	42	450	0.241	ug/l # 32
31) Cyclohexane	4.96	56	4846	0.931	ug/l # 1
36) 1,1-Dichloropropene	4.96	75	19527	4.220	ug/l # 48
38) Carbon Tetrachloride	4.96	117	26379	5.339	ug/l # 16
40) Benzene	5.37	78	23257	1.558	ug/l 100
49) 1,4-Dioxane	6.60	88	165	1.864	ug/l # 1
51) 4-Methyl-2-Pentanone	7.45	43	4628	0.783	ug/l 96
52) Toluene	7.62	92	21588	2.305	ug/l 97
56) Ethyl methacrylate	8.01	69	121	3.094	ug/l # 28
59) 2-Hexanone	8.38	43	4098	0.929	ug/l 86
67) Ethyl Benzene	9.23	91	21476	1.213	ug/l 98
68) m/p-Xylenes	9.36	106	14564	2.185	ug/l 97
69) o-Xylene	9.76	106	8103	1.243	ug/l 97
70) Styrene	9.78	104	2702	0.236	ug/l # 26
76) 1,2,3-Trichloropropane	10.29	75	124589	20.792	ug/l # 36
78) n-propylbenzene	10.58	91	4153	0.201	ug/l 94
79) 2-Chlorotoluene	10.66	91	2923	0.232	ug/l 81
80) 1,3,5-Trimethylbenzene	10.76	105	6326	0.423	ug/l 98
81) trans-1,4-Dichloro-2-buten	10.29	75	124589	69.923	ug/l # 100
82) 4-Chlorotoluene	10.76	91	2919	0.201	ug/l 94
84) 1,2,4-Trimethylbenzene	11.13	105	17975	1.195	ug/l 98
86) p-Isopropyltoluene	11.46	119	8094	0.497	ug/l 89
87) 1,3-Dichlorobenzene	11.40	146	2117	0.232	ug/l 89
88) 1,4-Dichlorobenzene	11.40	146	2117	0.223	ug/l 89
89) n-Butylbenzene	11.87	91	5750	0.406	ug/l 88
91) 1,2-Dichlorobenzene	11.87	146	2619	0.292	ug/l 92
93) 1,2,4-Trichlorobenzene	13.49	180	4925	4.157	ug/l 98

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Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

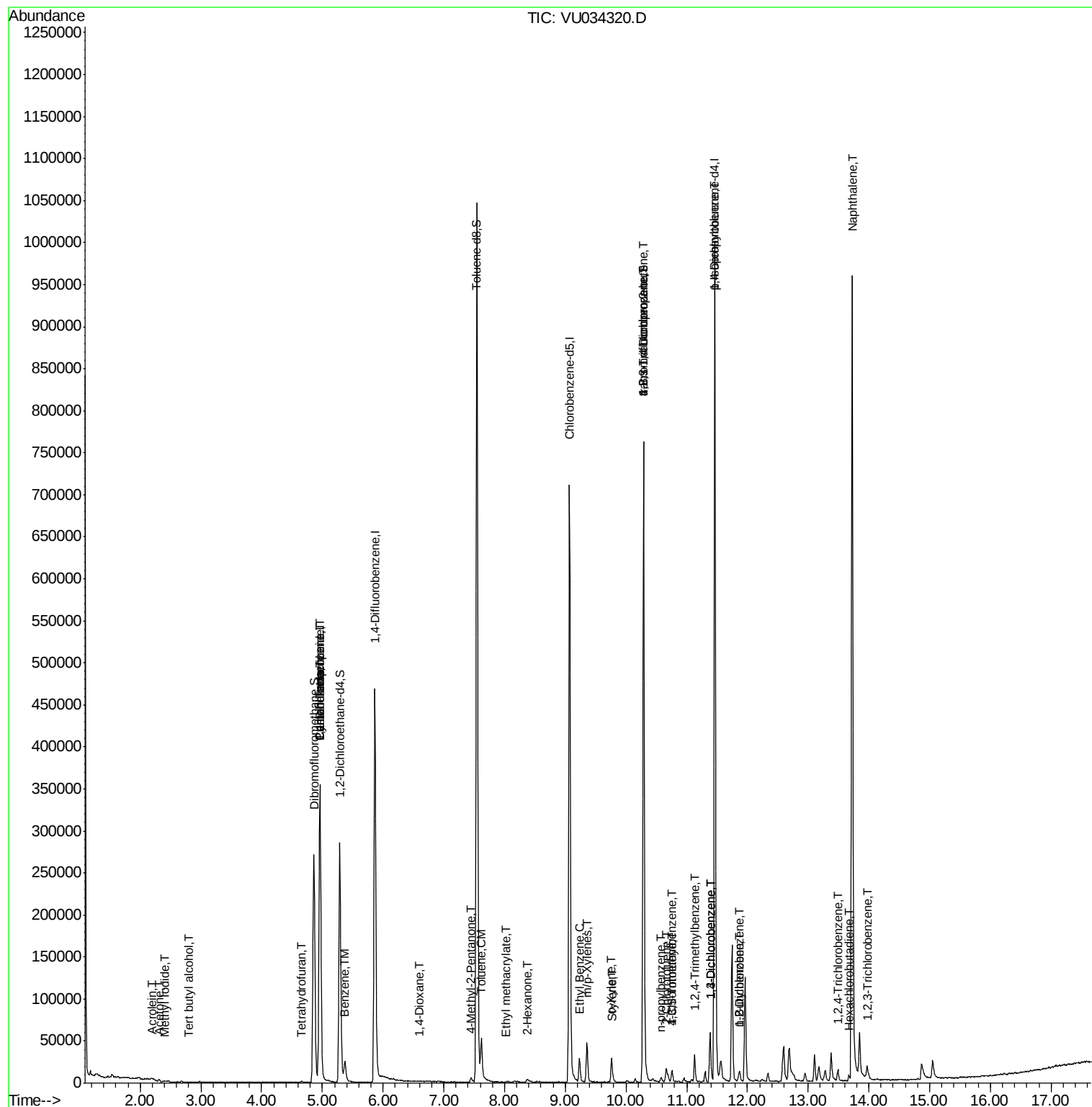
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.67	225	1641	0.524	ug/l	92
95) Naphthalene	13.73	128	843892	46.433	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	5544	3.475	ug/l	87

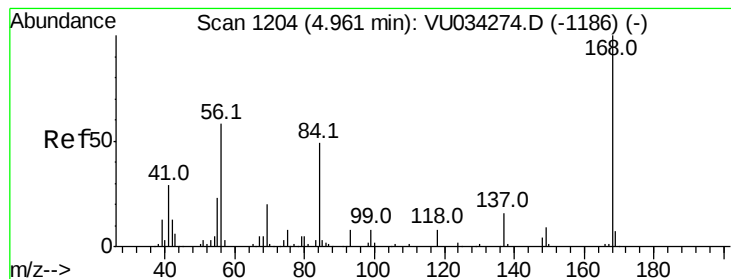
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU034320.D

Acq: 06 Sep 2019 11:09

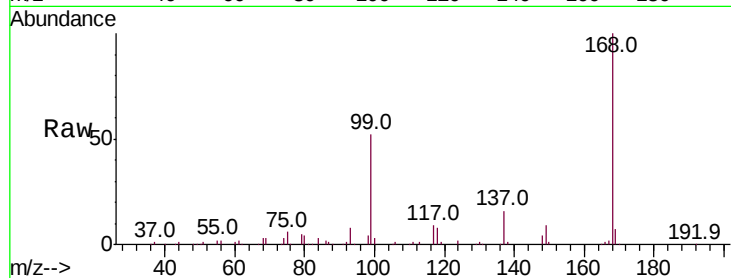
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 293753

Ion Ratio Lower Upper

168 100

99 51.8 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

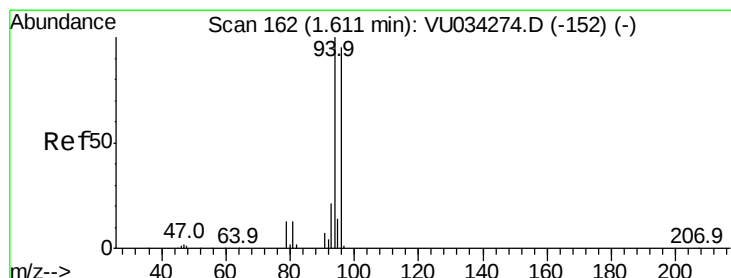
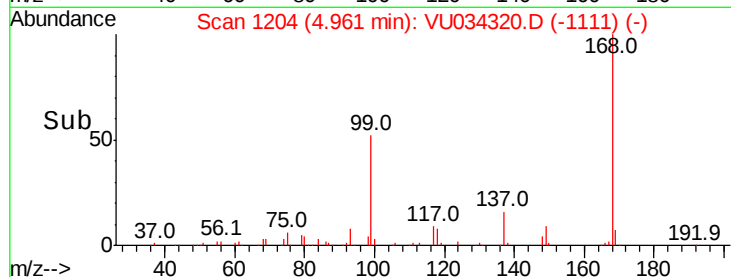
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 169

Delta R.T. 0.02 min

Lab File: VU034320.D

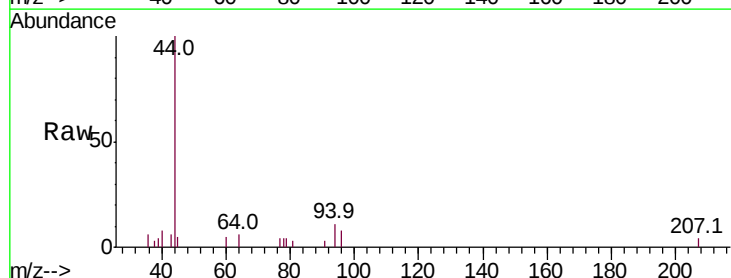
Acq: 06 Sep 2019 11:09

Tgt Ion: 94 Resp: 812

Ion Ratio Lower Upper

94 100

96 73.4 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

500

400

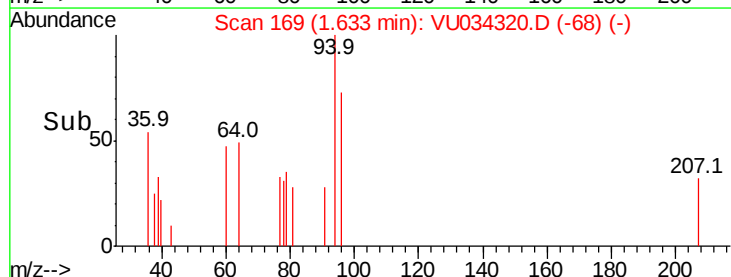
300

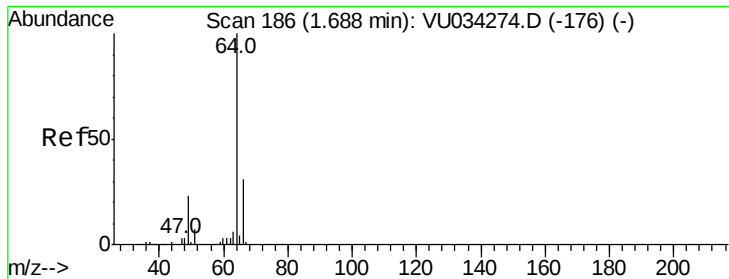
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 181

Delta R.T. -0.02 min

Lab File: VU034320.D

Acq: 06 Sep 2019 11:09

Instrument :

MSVOA_U

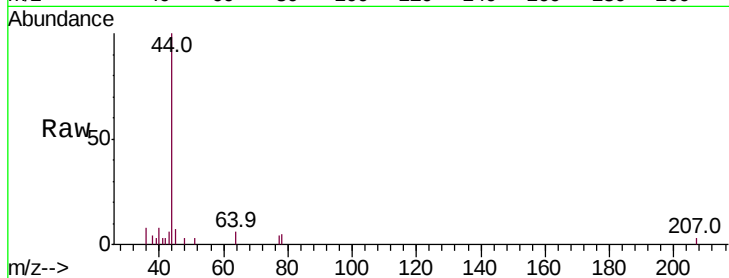
ClientSampleId :

Tot Ion: 64 Resp: 50

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.67

250

200

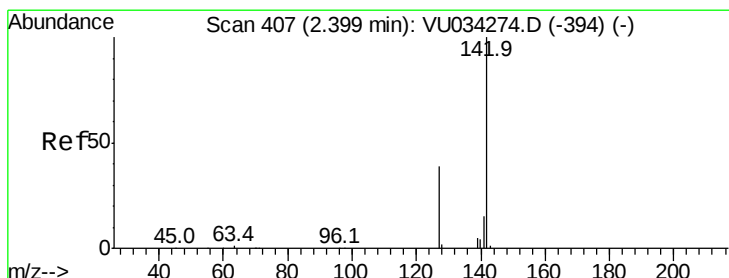
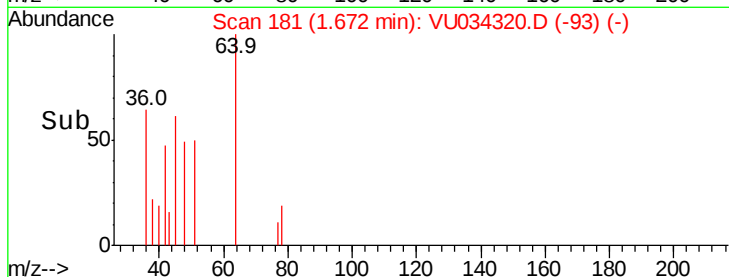
150

100

50

0

Time-->



#10

Methyl Iodide

Concen: 4.046 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.01 min

Lab File: VU034320.D

Acq: 06 Sep 2019 11:09

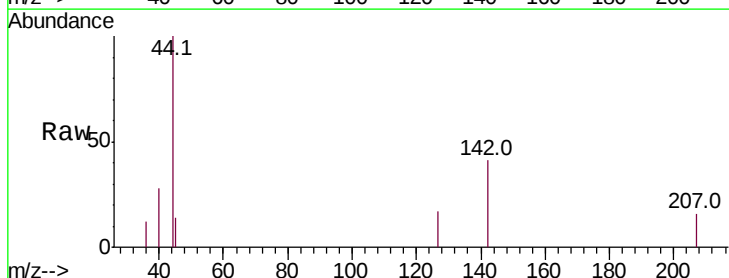
Tgt Ion: 142 Resp: 672

Ion Ratio Lower Upper

142 100

127 20.5 32.1 48.1#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

500

400

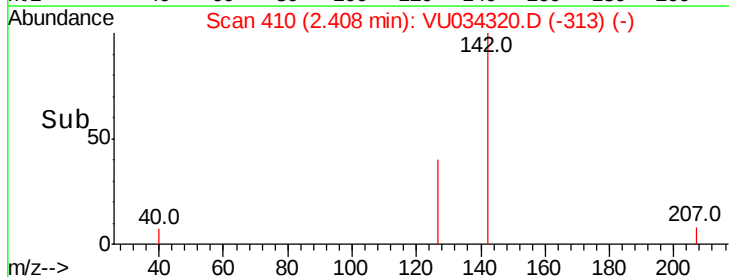
300

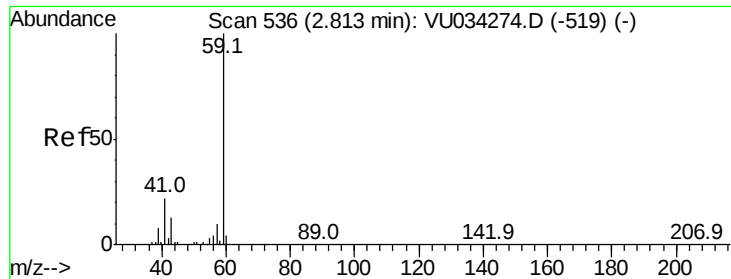
200

100

0

Time-->



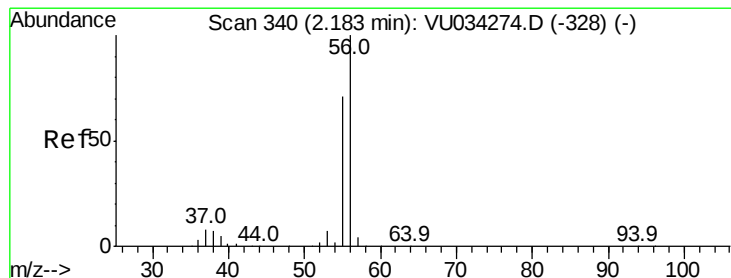
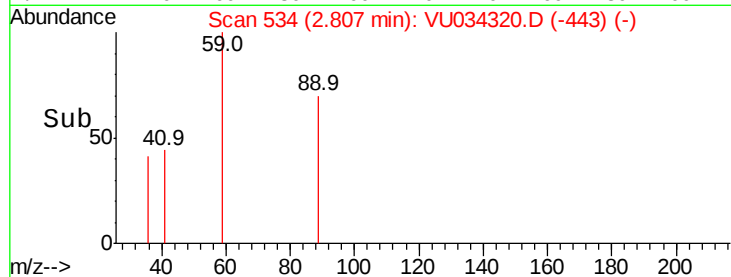
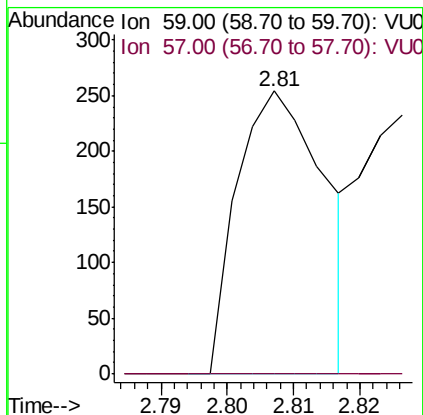
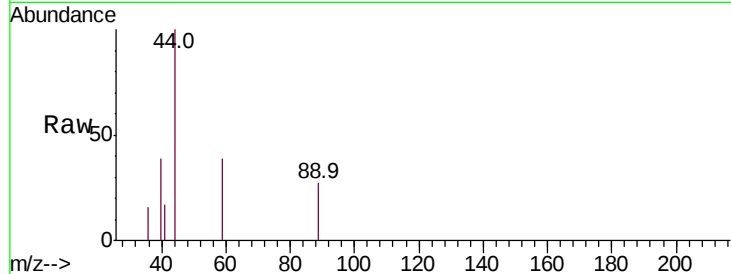


#11

Tert butyl alcohol
 Concen: 0.248 ug/l
 RT: 2.81 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VU034320.D
 Acq: 06 Sep 2019 11:09

Instrument :
 MSVOA_U
 ClientSampleId :

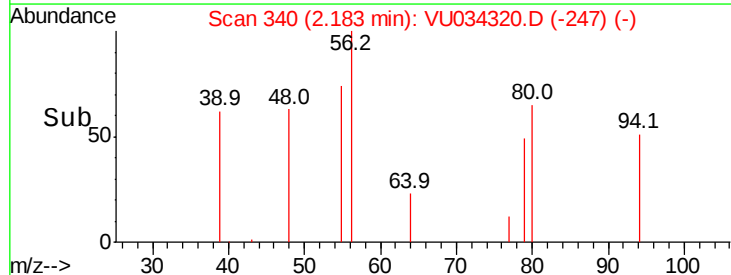
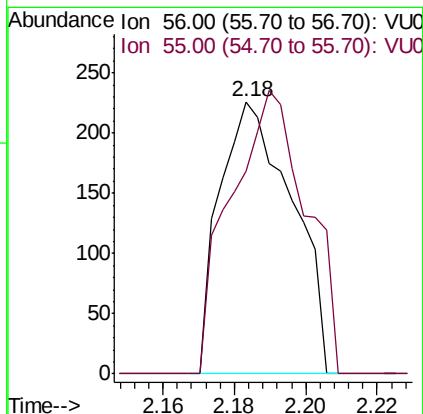
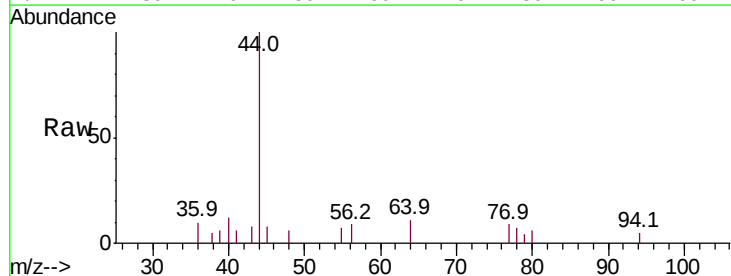
Tot Ion: 59 Resp: 233
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

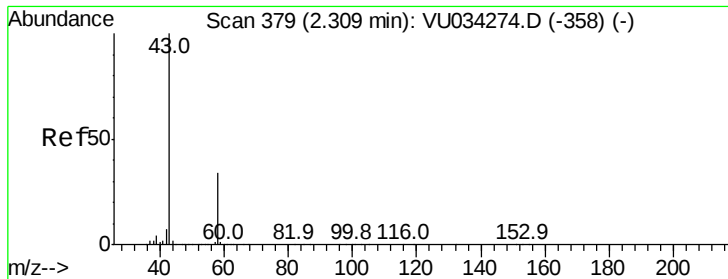


#13

Acrolein
 Concen: 0.400 ug/l
 RT: 2.18 min Scan# 340
 Delta R.T. 0.00 min
 Lab File: VU034320.D
 Acq: 06 Sep 2019 11:09

Tgt Ion: 56 Resp: 316
 Ion Ratio Lower Upper
 56 100
 55 108.5 57.4 86.2#





#16

Acetone

Concen: 1.253 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034320.D

Acq: 06 Sep 2019 11:09

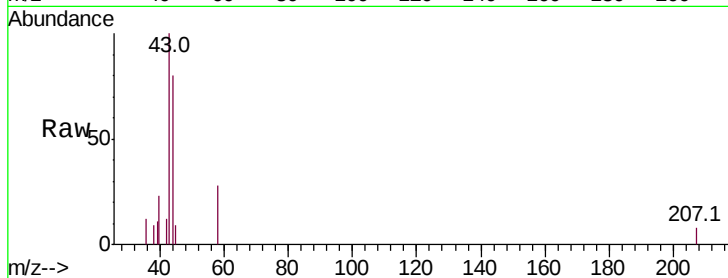
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 2881

Ion Ratio Lower Upper

43 100

58 28.0 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034320.D (-358) (-)

Ion 58.00 (57.70 to 58.70): VU034320.D (-358) (-)

2.31

1500

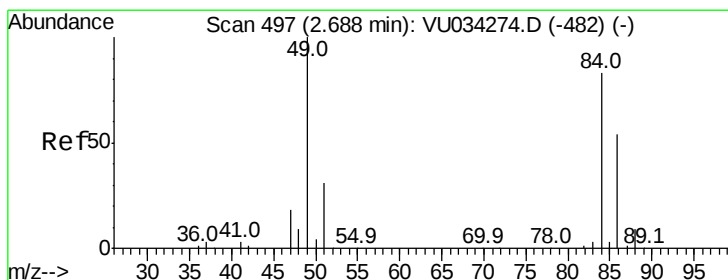
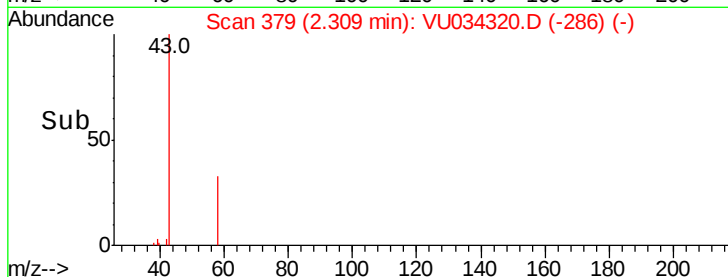
1000

500

0

Time-->

2.25 2.30 2.35



#20

Methylene Chloride

Concen: Below Cal

RT: 2.69 min Scan# 498

Delta R.T. 0.00 min

Lab File: VU034320.D

Acq: 06 Sep 2019 11:09

Tgt Ion: 84 Resp: 654

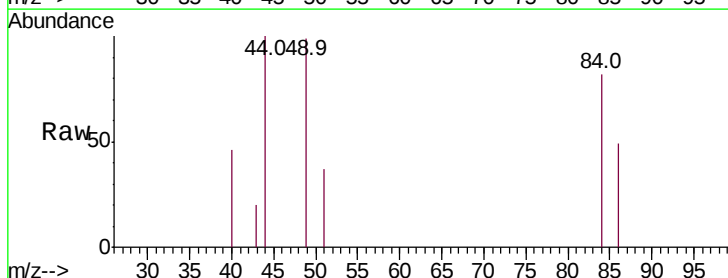
Ion Ratio Lower Upper

84 100

49 120.4 96.0 144.0

51 45.2 30.0 45.0#

86 59.9 51.4 77.0



Abundance Ion 83.90 (83.60 to 84.60): VU034320.D (-482) (-)

Ion 48.90 (48.60 to 49.60): VU034320.D (-482) (-)

Ion 50.90 (50.60 to 51.60): VU034320.D (-482) (-)

Ion 85.90 (85.60 to 86.60): VU034320.D (-482) (-)

2.69

800

600

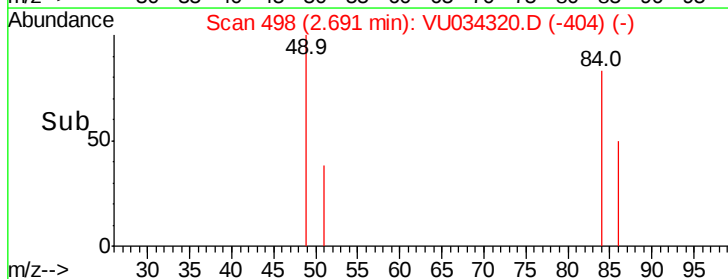
400

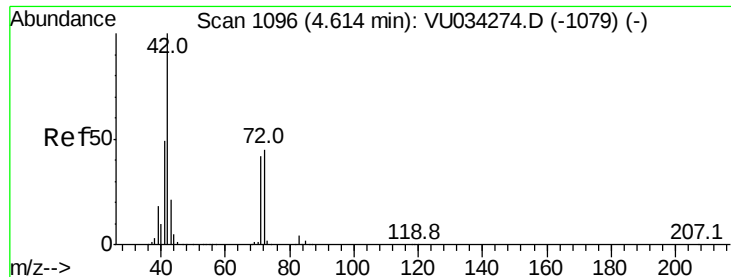
200

0

Time-->

2.66 2.68 2.70 2.72

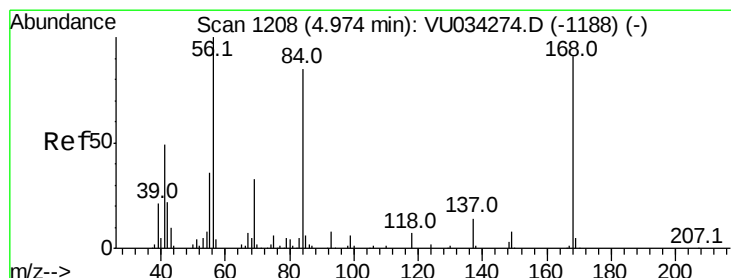
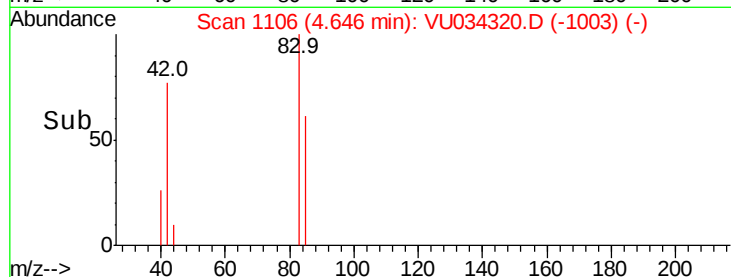
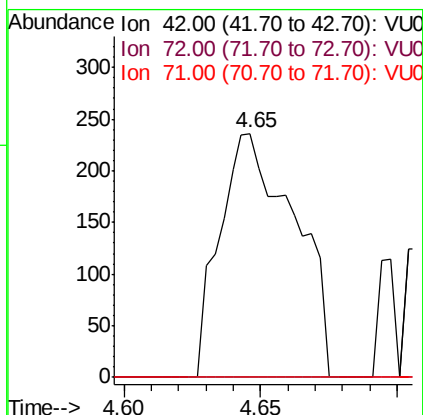
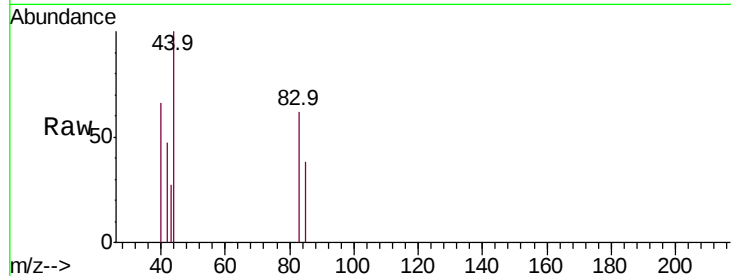




#29
Tetrahydrofuran
Concen: 0.241 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. 0.03 min
Lab File: VU034320.D
Acq: 06 Sep 2019 11:09

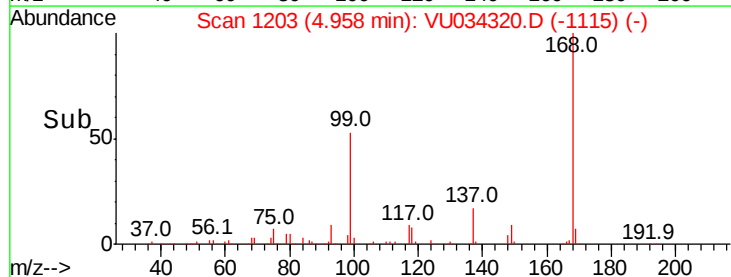
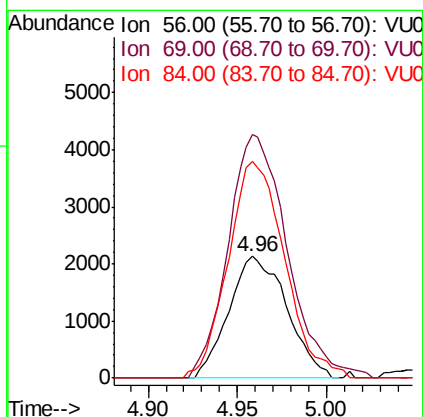
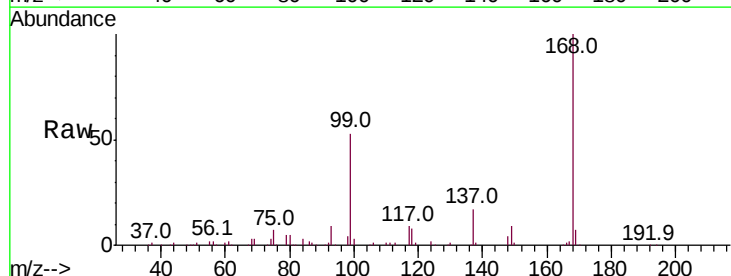
Instrument :
MSVOA_U
ClientSampled :

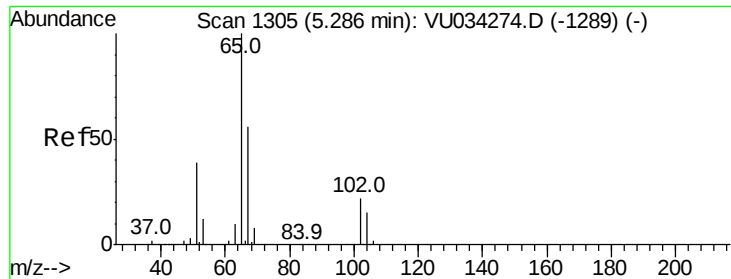
Tot Ion: 42 Resp: 450
Ion Ratio Lower Upper
42 100
72 0.0 36.6 54.8#
71 0.0 34.3 51.5#



#31
Cyclohexane
Concen: 0.931 ug/l
RT: 4.96 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VU034320.D
Acq: 06 Sep 2019 11:09

Tgt Ion: 56 Resp: 4846
Ion Ratio Lower Upper
56 100
69 200.3 26.7 40.1#
84 173.4 68.2 102.4#





#33

1,2-Dichloroethane-d4

Concen: 50.200 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034320.D

Acq: 06 Sep 2019 11:09

Instrument :

MSVOA_U

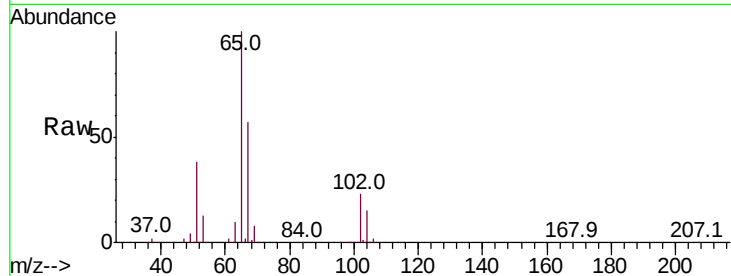
ClientSampled :

Tot Ion: 65 Resp: 223118

Ion Ratio Lower Upper

65 100

67 56.2 0.0 112.4



Abundance Ion 64.90 (64.60 to 65.60): VU034320.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU034320.D (-1212) (-)

5.29

100000

80000

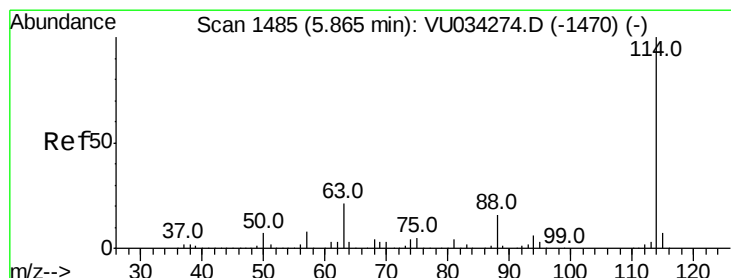
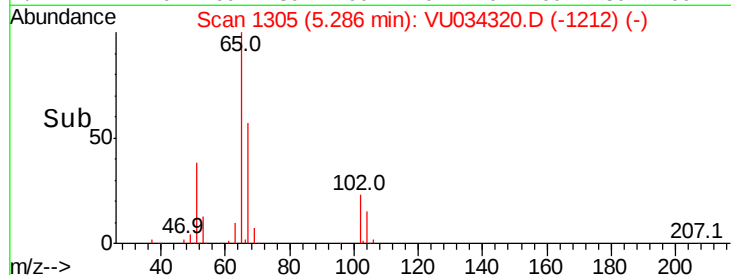
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034320.D

Acq: 06 Sep 2019 11:09

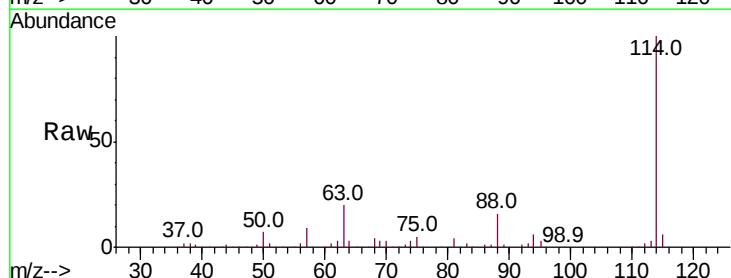
Tgt Ion: 114 Resp: 426651

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 16.0 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): VU034320.D (-1392) (-)

Ion 63.00 (62.70 to 63.70): VU034320.D (-1392) (-)

Ion 87.90 (87.60 to 88.60): VU034320.D (-1392) (-)

5.86

250000

200000

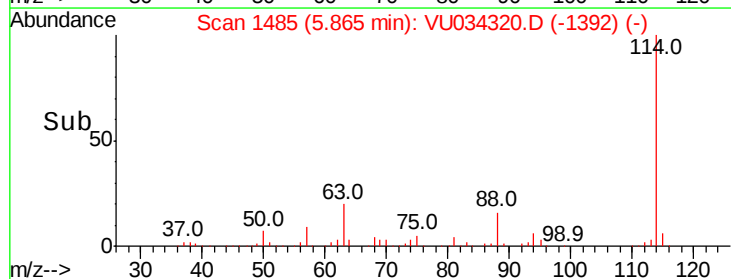
150000

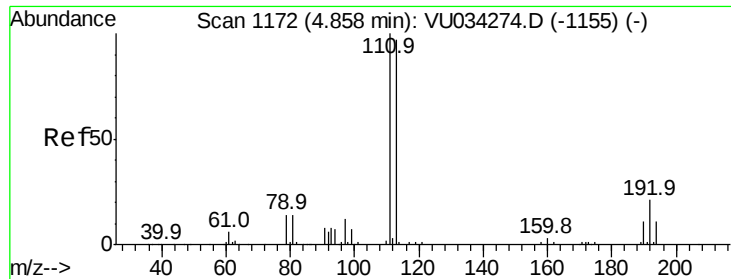
100000

50000

0

Time-->

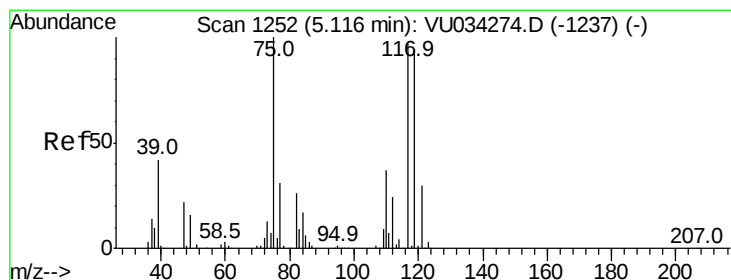
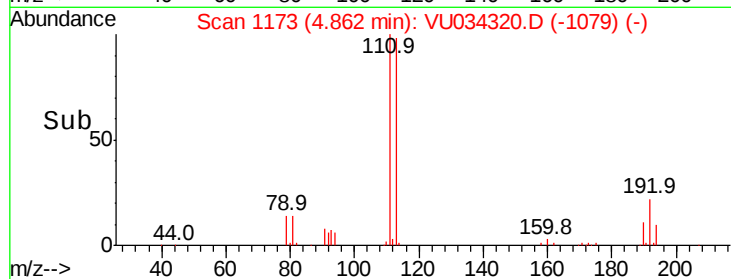
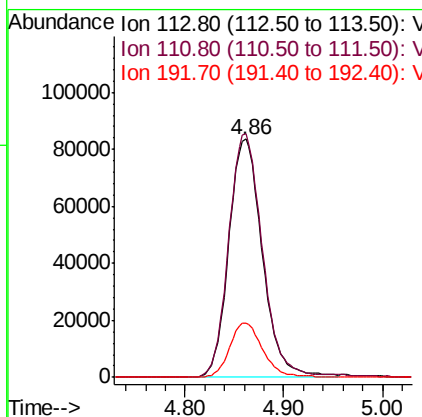
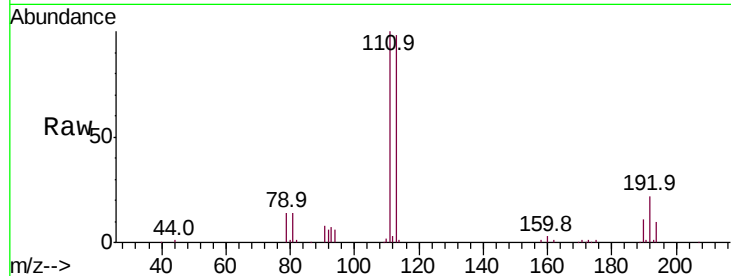




#35
 Dibromofluoromethane
 Concen: 49.783 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034320.D
 Acq: 06 Sep 2019 11:09

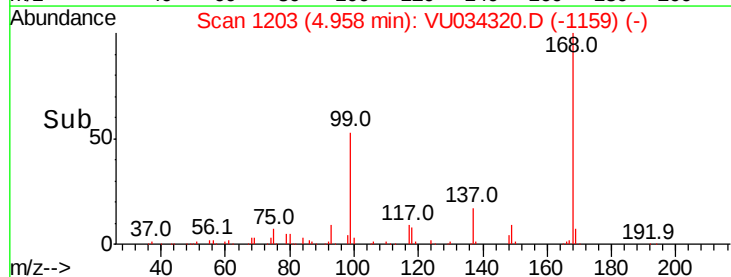
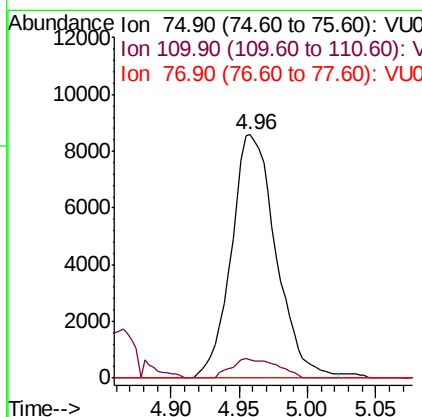
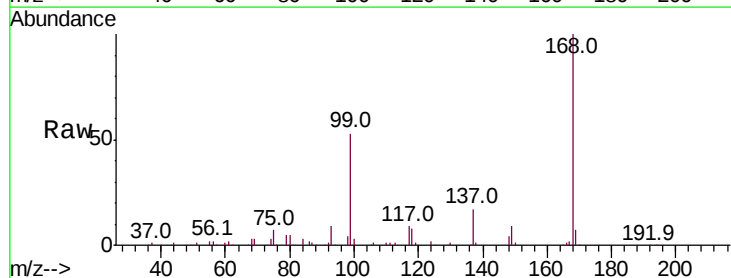
Instrument :
 MSVOA_U
 ClientSampled :

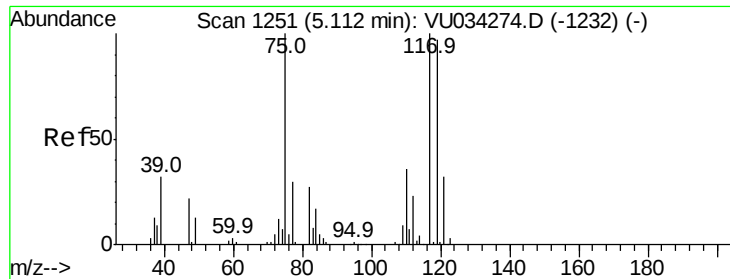
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.5	122.3
192	22.7	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 4.220 ug/l
 RT: 4.96 min Scan# 1203
 Delta R.T. -0.16 min
 Lab File: VU034320.D
 Acq: 06 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.3	54.9#
77	0.0	24.9	37.3#

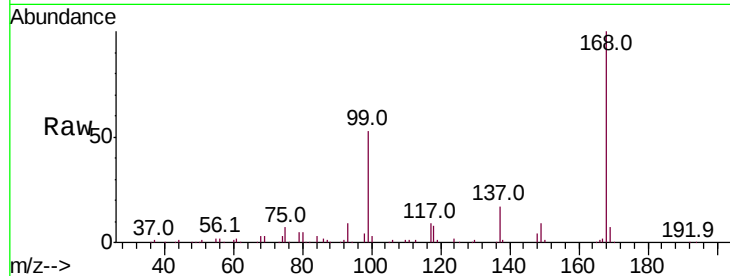




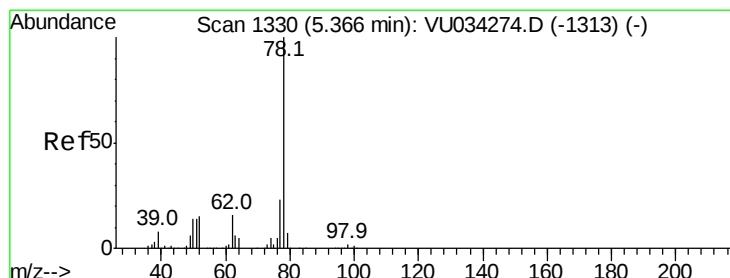
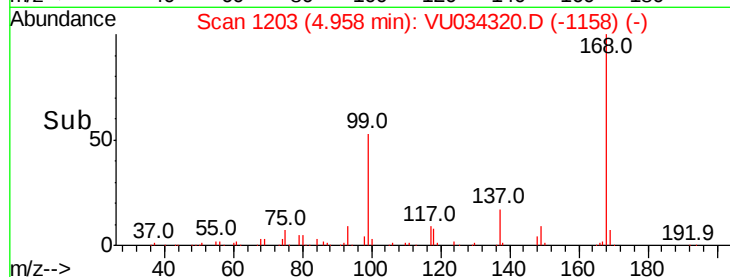
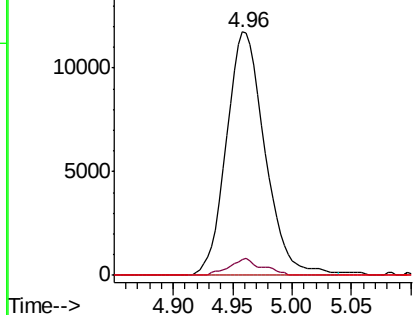
#38
Carbon Tetrachloride
Concen: 5.339 ug/l
RT: 4.96 min Scan# 1203
Delta R.T. -0.15 min
Lab File: VU034320.D
Acq: 06 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 26379
Ion Ratio Lower Upper
117 100
119 6.4 77.8 116.6#
121 0.0 25.2 37.8#

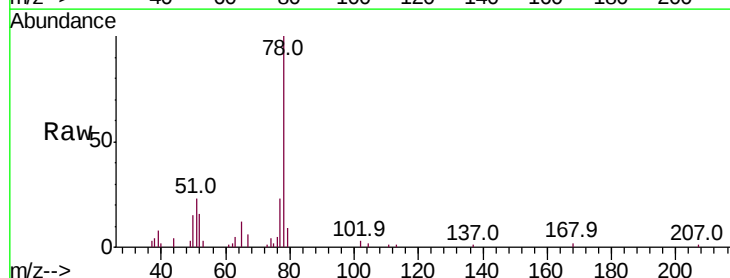


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

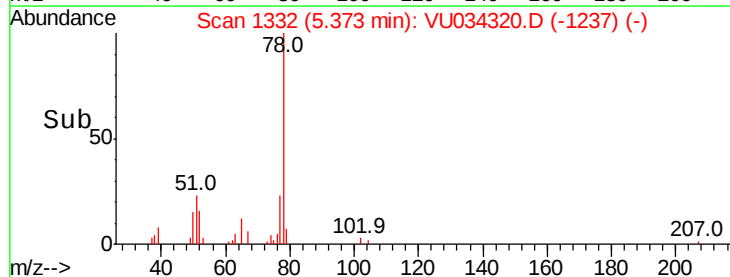
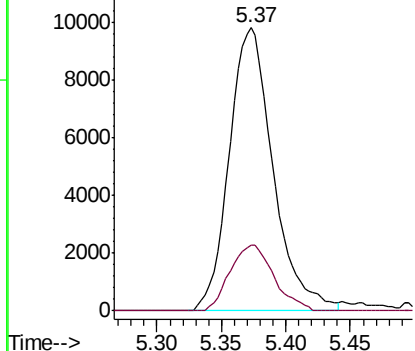


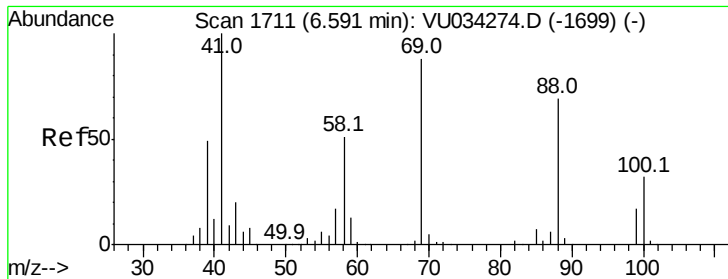
#40
Benzene
Concen: 1.558 ug/l
RT: 5.37 min Scan# 1332
Delta R.T. 0.01 min
Lab File: VU034320.D
Acq: 06 Sep 2019 11:09

Tgt Ion: 78 Resp: 23257
Ion Ratio Lower Upper
78 100
77 23.3 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#49

1,4-Dioxane

Concen: 1.864 ug/l

RT: 6.60 min Scan# 1715

Delta R.T. 0.01 min

Lab File: VU034320.D

Acq: 06 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :

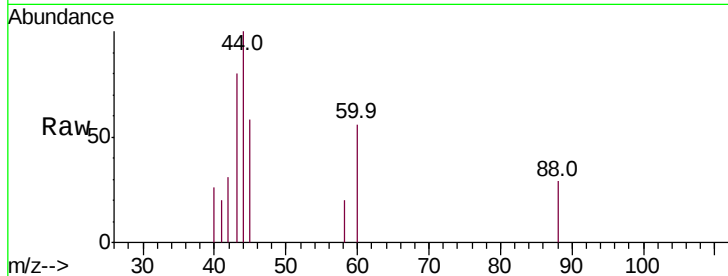
Tot Ion: 88 Resp: 165

Ion Ratio Lower Upper

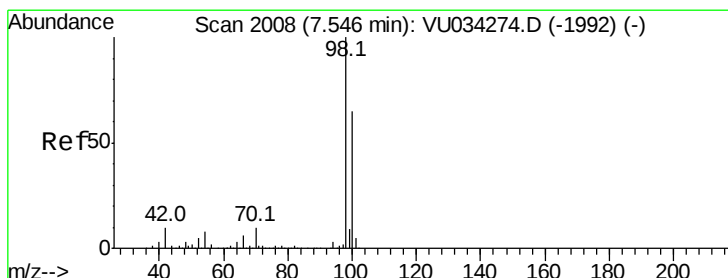
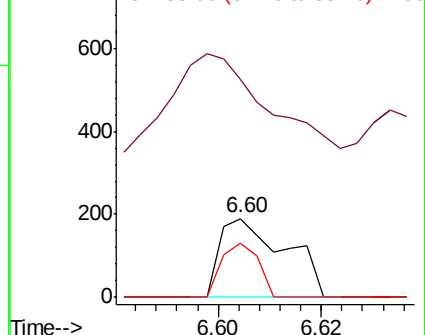
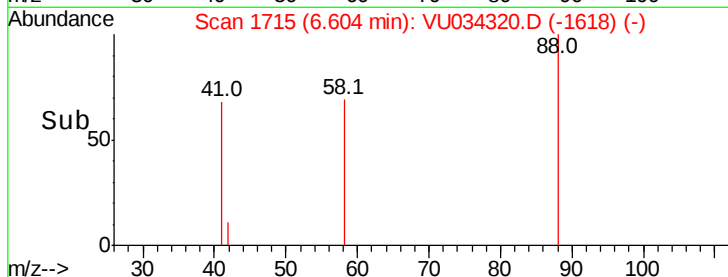
88 100

43 240.0 23.8 35.6#

58 38.8 58.4 87.6#



Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0



#50

Toluene-d8

Concen: 49.296 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034320.D

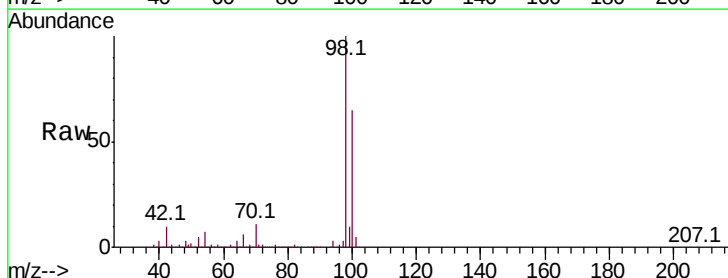
Acq: 06 Sep 2019 11:09

Tgt Ion: 98 Resp: 735272

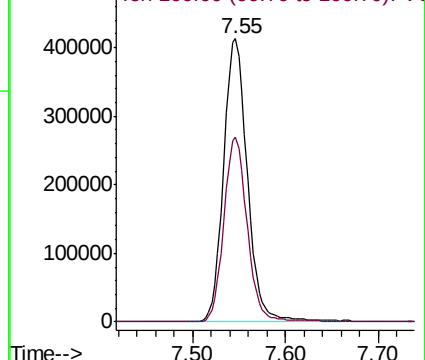
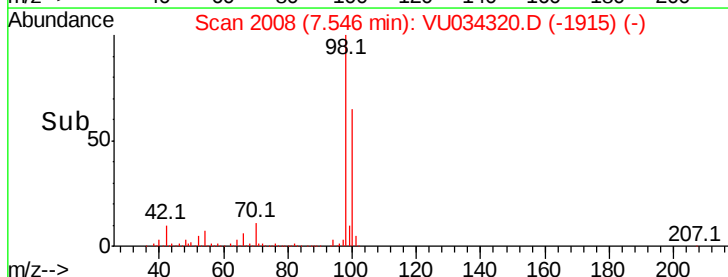
Ion Ratio Lower Upper

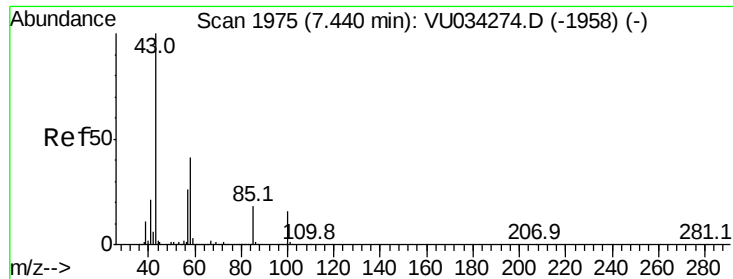
98 100

100 64.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

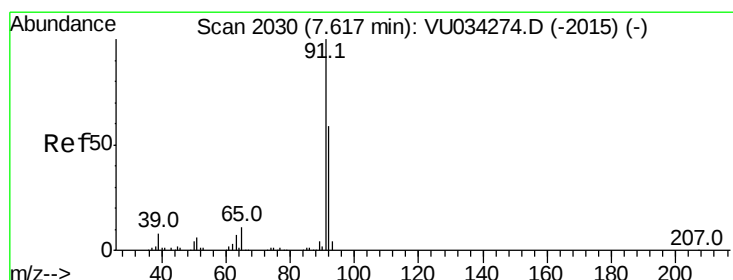
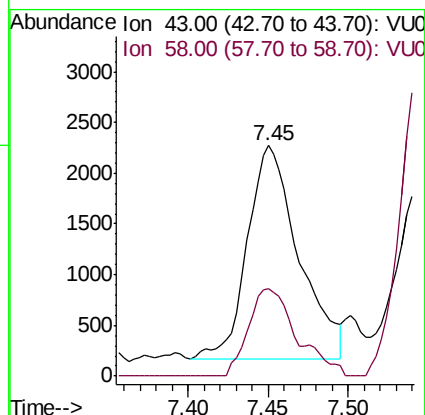
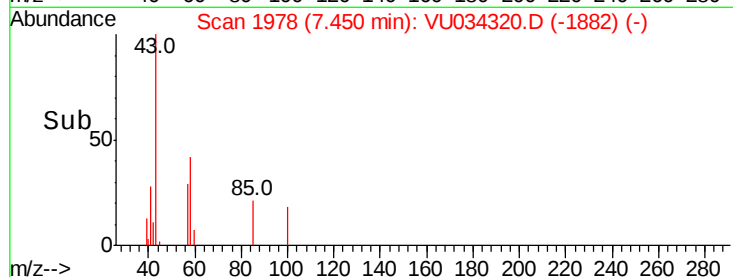
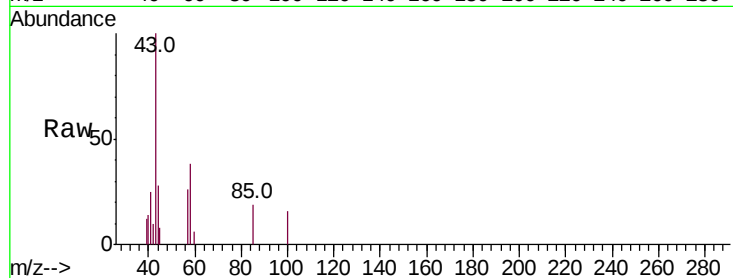




#51
4-Methyl-2-Pentanone
Concen: 0.783 ug/l
RT: 7.45 min Scan# 1978
Delta R.T. 0.01 min
Lab File: VU034320.D
Acq: 06 Sep 2019 11:09

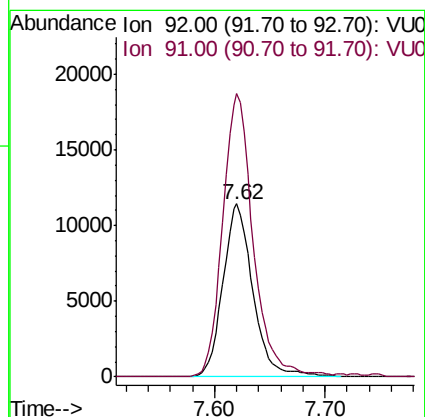
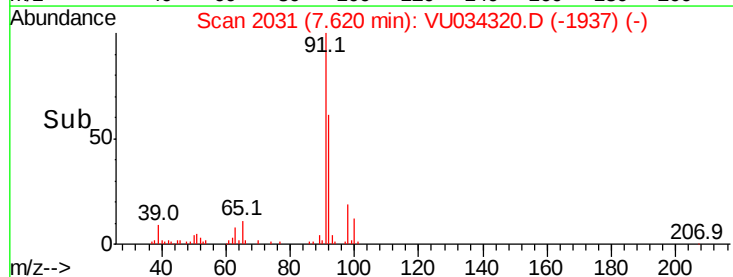
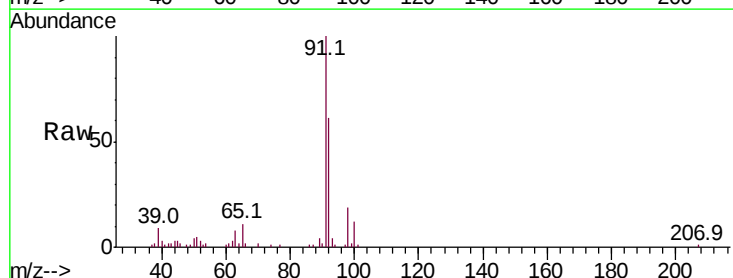
Instrument :
MSVOA_U
ClientSampled :

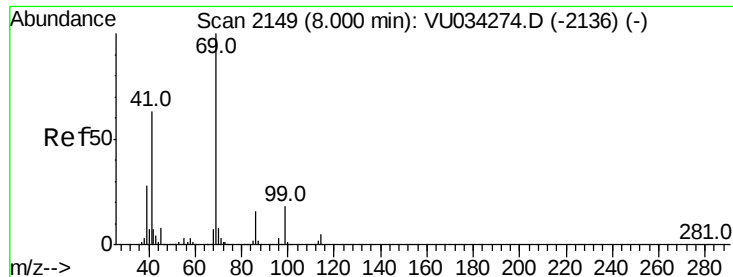
Tot Ion: 43 Resp: 4628
Ion Ratio Lower Upper
43 100
58 38.7 33.0 49.4



#52
Toluene
Concen: 2.305 ug/l
RT: 7.62 min Scan# 2031
Delta R.T. 0.00 min
Lab File: VU034320.D
Acq: 06 Sep 2019 11:09

Tgt Ion: 92 Resp: 21588
Ion Ratio Lower Upper
92 100
91 166.5 136.6 205.0





#56

Ethyl methacrylate

Concen: 3.094 ug/l

RT: 8.01 min Scan# 2153

Delta R.T. 0.01 min

Lab File: VU034320.D

Acq: 06 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

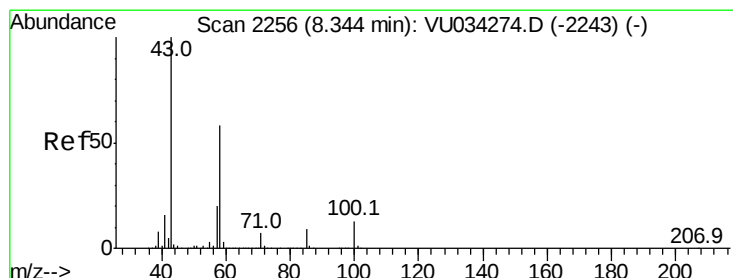
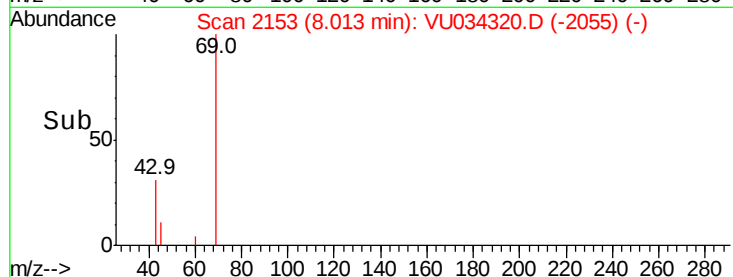
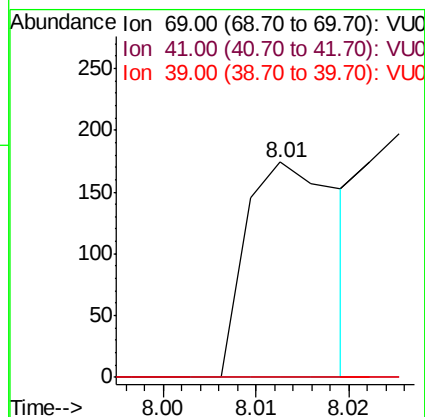
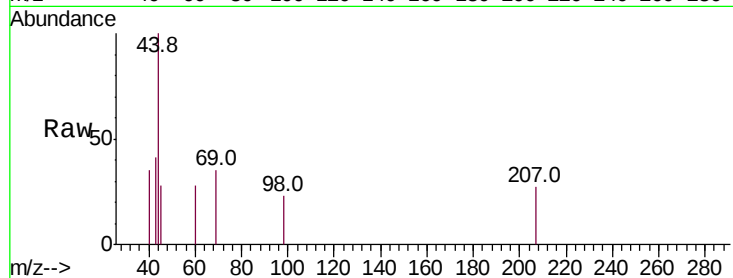
Tot Ion: 69 Resp: 121

Ion Ratio Lower Upper

69 100

41 0.0 49.5 74.3#

39 0.0 22.5 33.7#



#59

2-Hexanone

Concen: 0.929 ug/l

RT: 8.38 min Scan# 2266

Delta R.T. 0.03 min

Lab File: VU034320.D

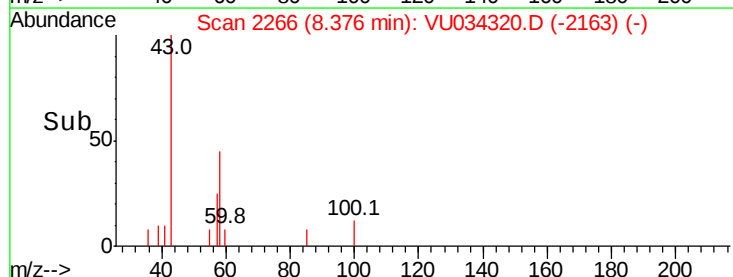
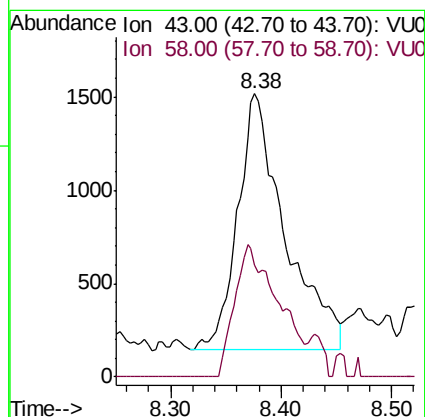
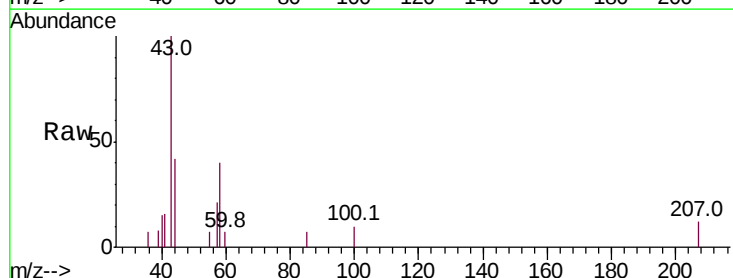
Acq: 06 Sep 2019 11:09

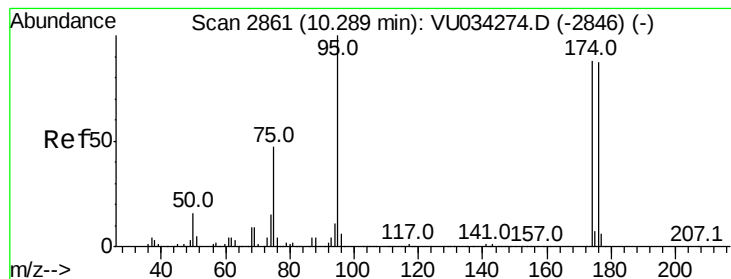
Tgt Ion: 43 Resp: 4098

Ion Ratio Lower Upper

43 100

58 47.4 28.8 86.5





#62

4-Bromofluorobenzene

Concen: 45.578 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034320.D

Acq: 06 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampled :

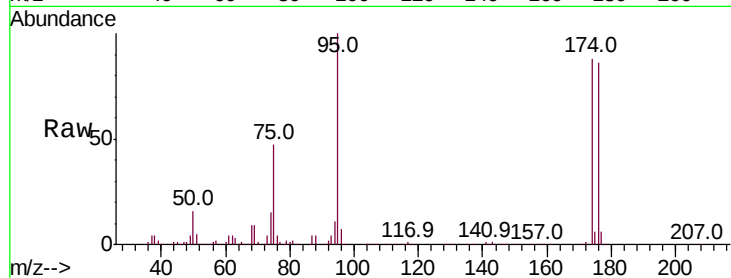
Tot Ion: 95 Resp: 262470

Ion Ratio Lower Upper

95 100

174 88.4 0.0 175.2

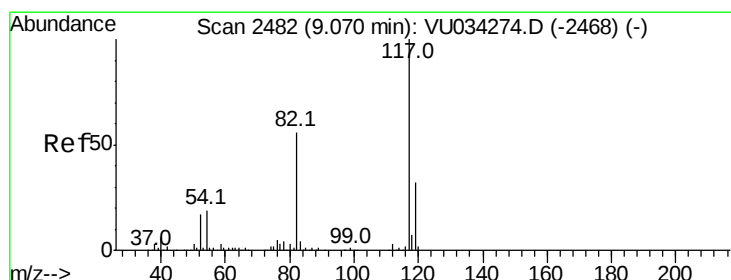
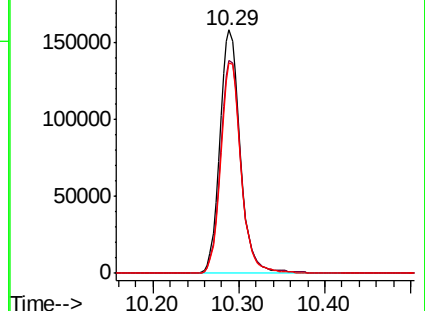
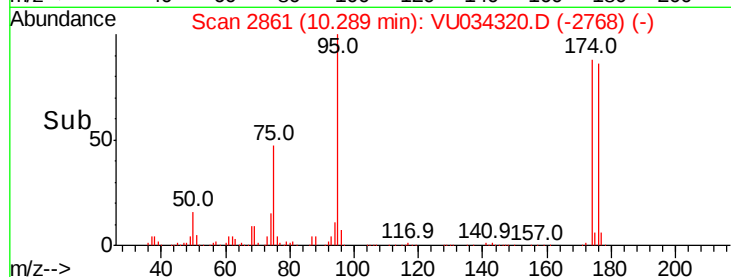
176 85.9 0.0 168.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): VU0

Ion 175.80 (175.50 to 176.50): VU0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.07 min Scan# 2482

Delta R.T. 0.00 min

Lab File: VU034320.D

Acq: 06 Sep 2019 11:09

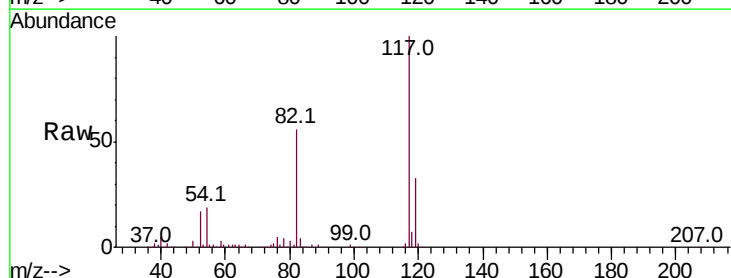
Tgt Ion: 117 Resp: 426646

Ion Ratio Lower Upper

117 100

82 56.2 44.6 67.0

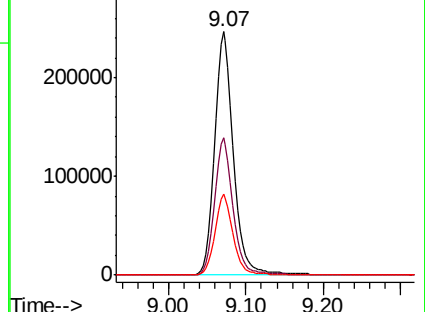
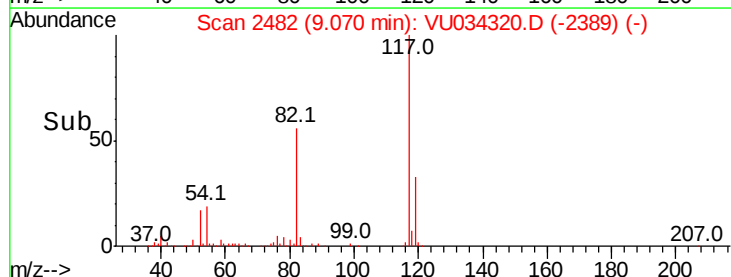
119 33.2 25.9 38.9

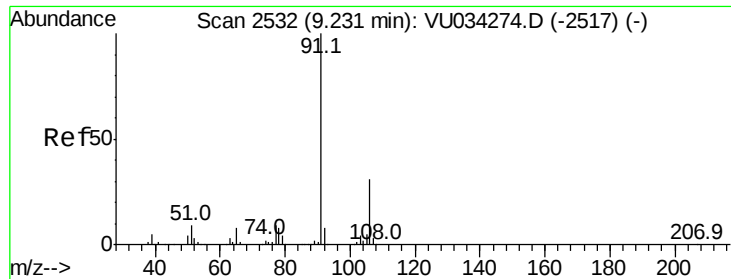


Abundance Ion 116.90 (116.60 to 117.60): VU0

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): VU0





#67

Ethyl Benzene

Concen: 1.213 ug/l

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU034320.D

Acq: 06 Sep 2019 11:09

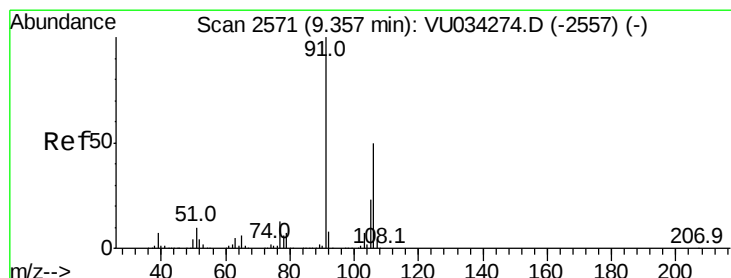
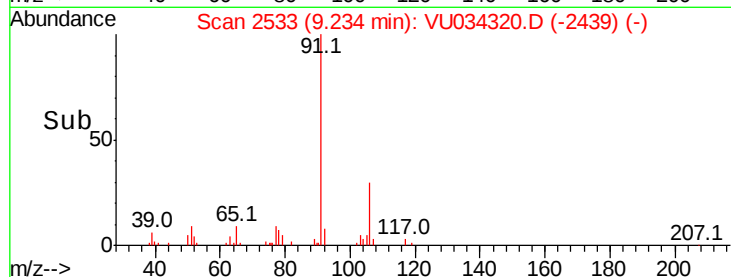
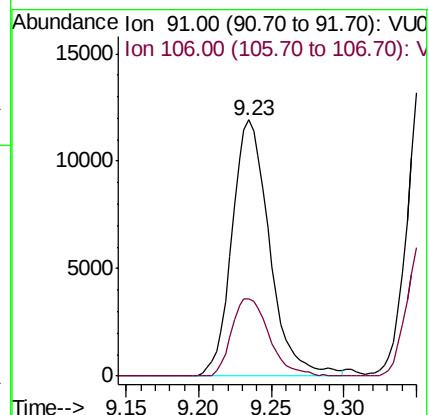
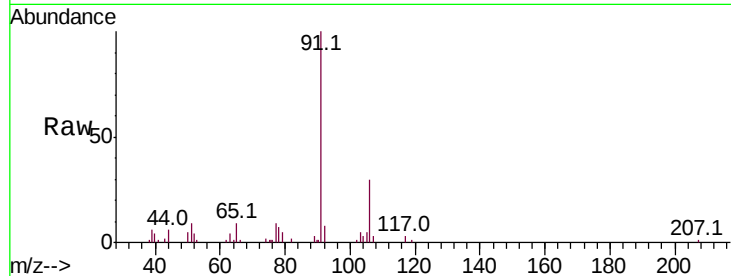
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 21476

Ion Ratio Lower Upper

91 100

106 30.2 24.8 37.2



#68

m/p-Xylenes

Concen: 2.185 ug/l

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU034320.D

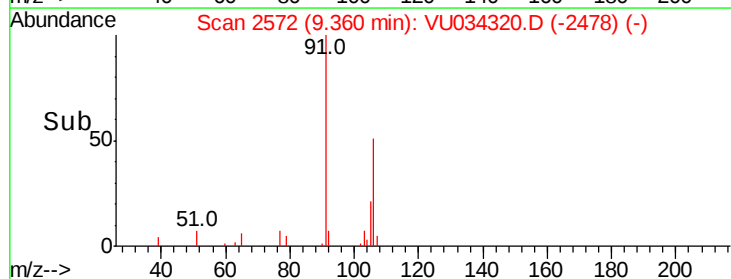
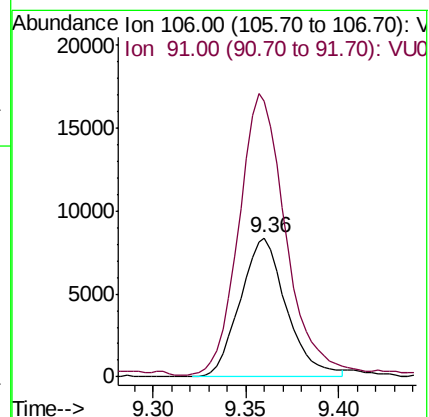
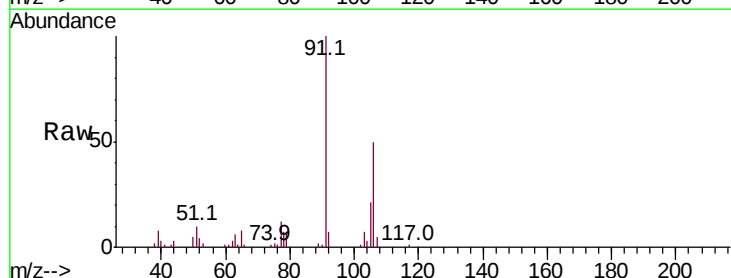
Acq: 06 Sep 2019 11:09

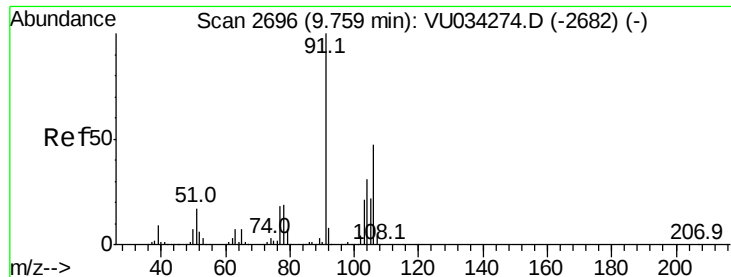
Tgt Ion: 106 Resp: 14564

Ion Ratio Lower Upper

106 100

91 205.3 160.1 240.1

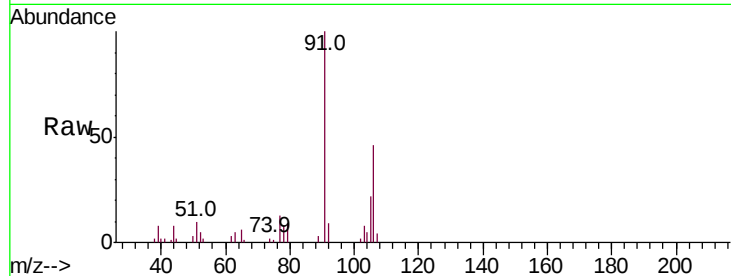




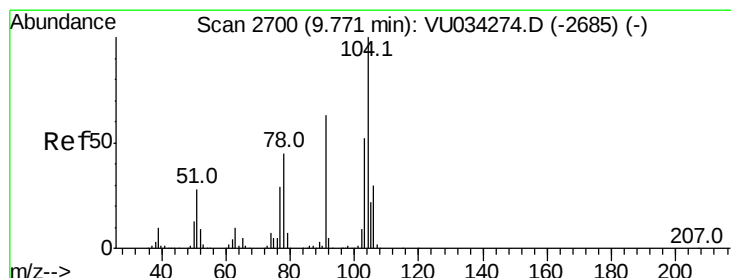
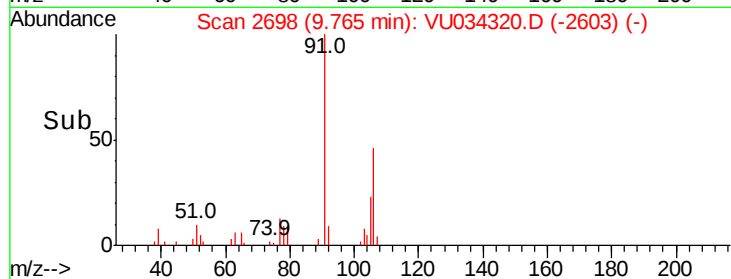
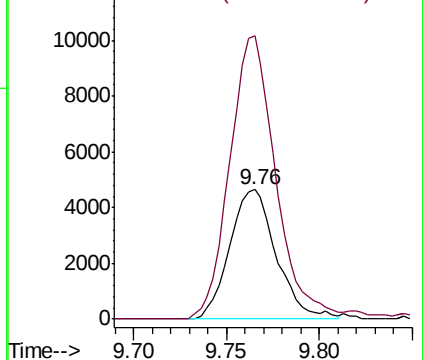
#69
o-Xylene
Concen: 1.243 ug/l
RT: 9.76 min Scan# 2698
Delta R.T. 0.01 min
Lab File: VU034320.D
Acq: 06 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 8103
Ion Ratio Lower Upper
106 100
91 215.5 105.1 315.3

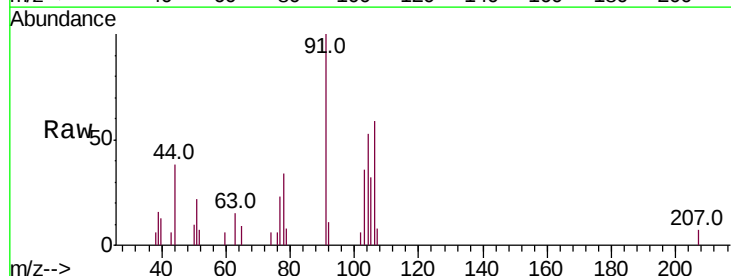


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

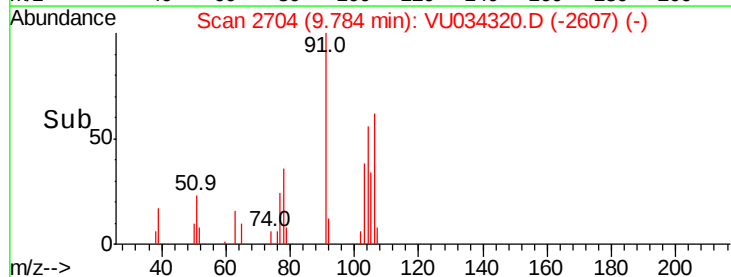
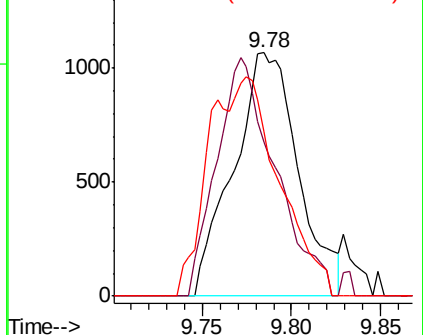


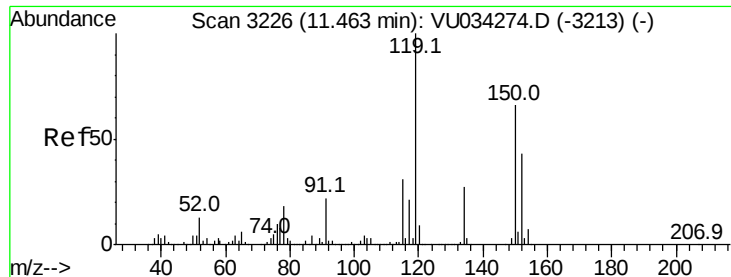
#70
Styrene
Concen: 0.236 ug/l
RT: 9.78 min Scan# 2704
Delta R.T. 0.01 min
Lab File: VU034320.D
Acq: 06 Sep 2019 11:09

Tgt Ion:104 Resp: 2702
Ion Ratio Lower Upper
104 100
78 0.0 38.6 57.8#
103 0.0 44.2 66.4#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): 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: VU034320.D

Acq: 06 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

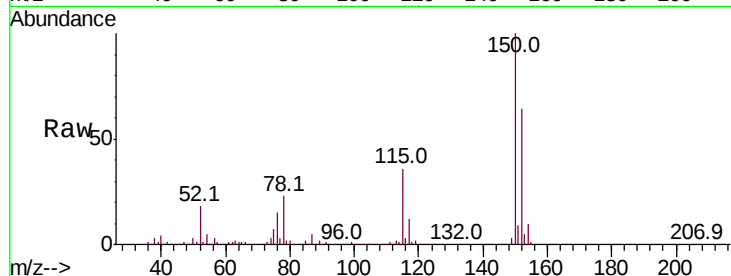
Tot Ion:152 Resp: 274511

Ion Ratio Lower Upper

152 100

115 56.6 39.1 117.3

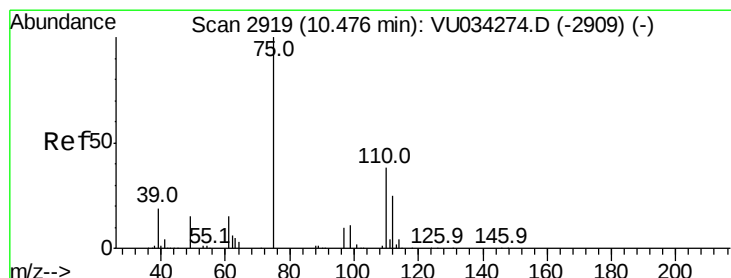
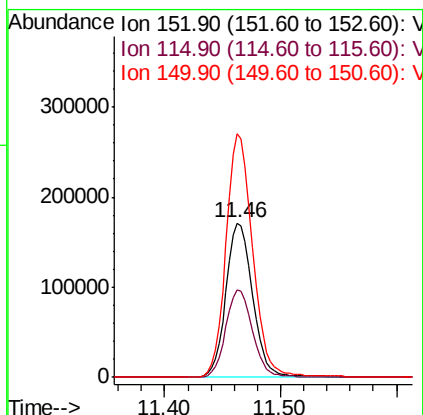
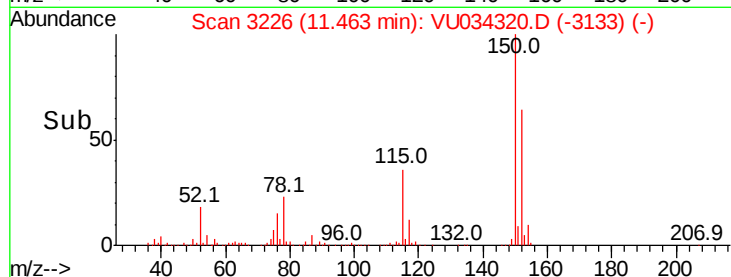
150 155.3 0.0 345.4



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: 20.792 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034320.D

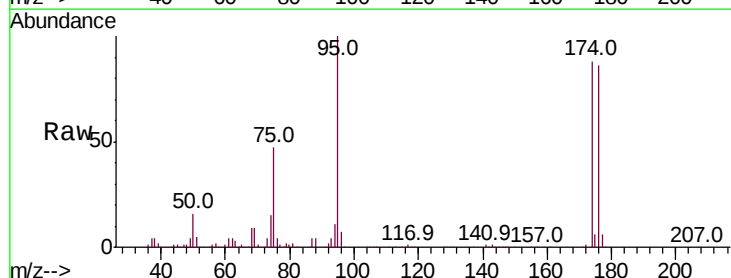
Acq: 06 Sep 2019 11:09

Tgt Ion: 75 Resp: 124589

Ion Ratio Lower Upper

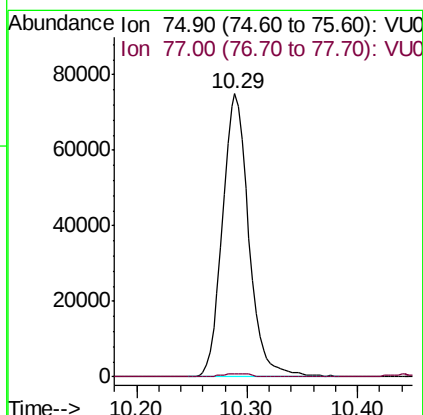
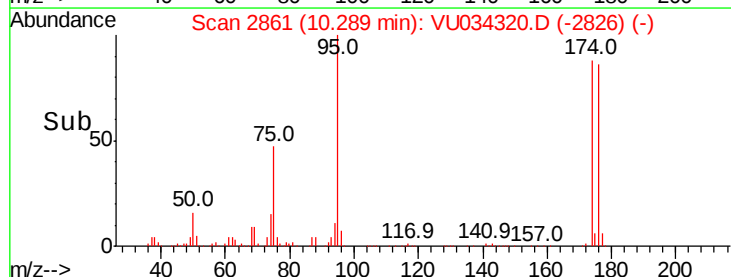
75 100

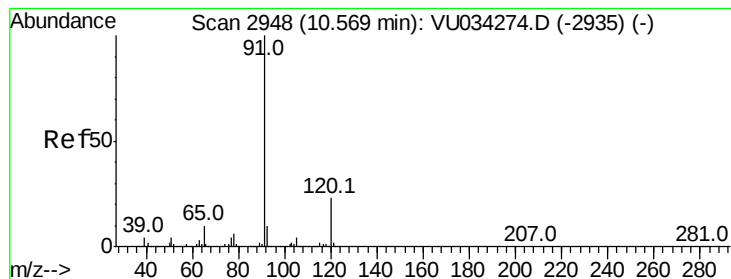
77 1.4 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#78

n-propylbenzene

Concen: 0.201 ug/l

RT: 10.58 min Scan# 2950

Delta R.T. 0.01 min

Lab File: VU034320.D

Acq: 06 Sep 2019 11:09

Instrument :

MSVOA_U

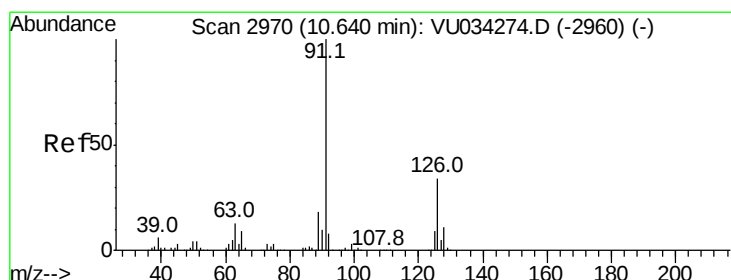
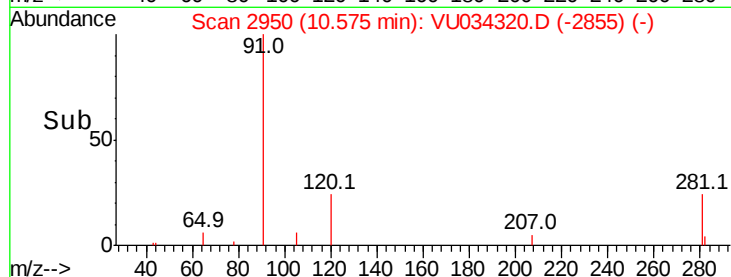
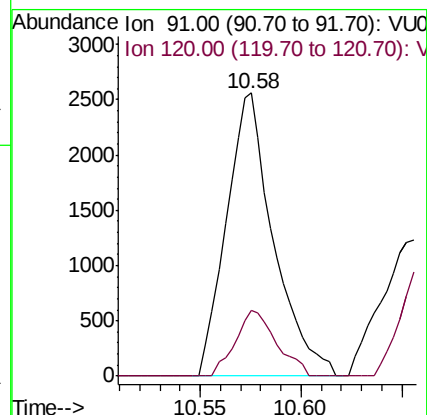
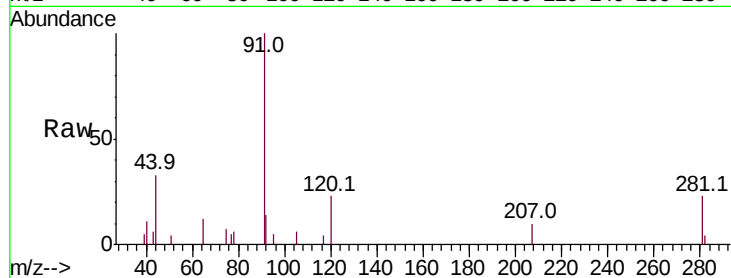
ClientSampled :

Tot Ion: 91 Resp: 4153

Ion Ratio Lower Upper

91 100

120 20.3 11.7 35.0



#79

2-Chlorotoluene

Concen: 0.232 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. 0.02 min

Lab File: VU034320.D

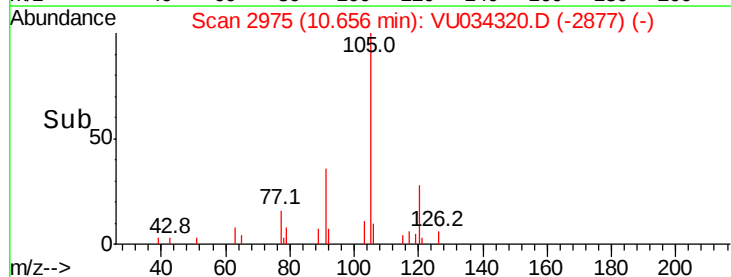
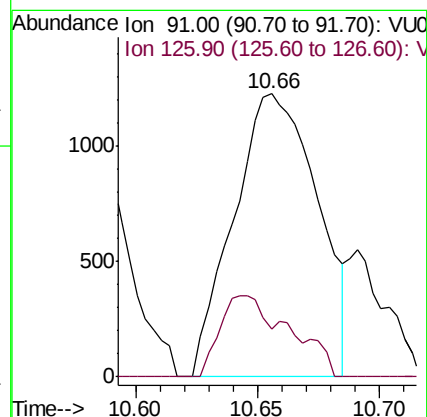
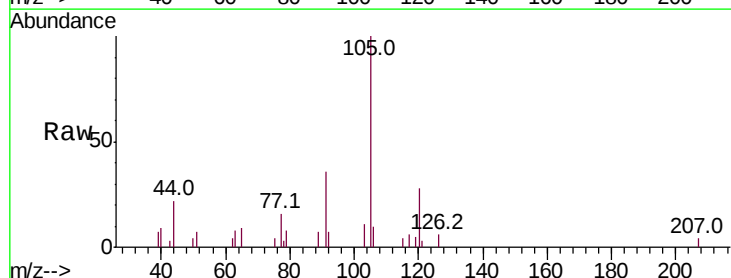
Acq: 06 Sep 2019 11:09

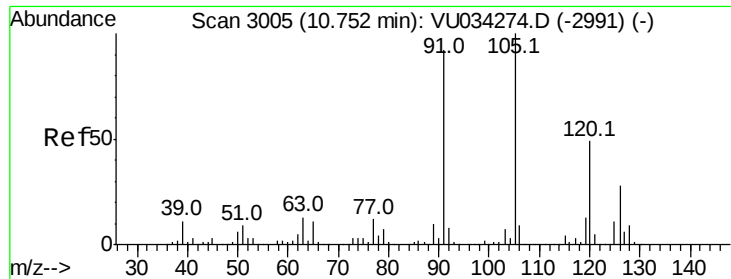
Tgt Ion: 91 Resp: 2923

Ion Ratio Lower Upper

91 100

126 23.8 17.3 51.9





#80

1,3,5-Trimethylbenzene

Concen: 0.423 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU034320.D

Acq: 06 Sep 2019 11:09

Instrument :

MSVOA_U

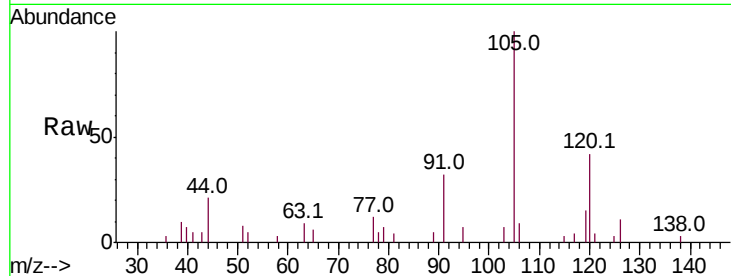
ClientSampled :

Tot Ion:105 Resp: 6326

Ion Ratio Lower Upper

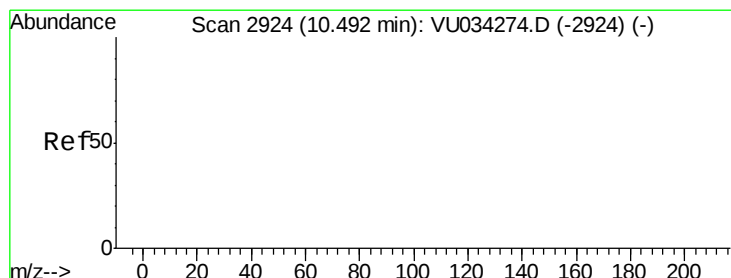
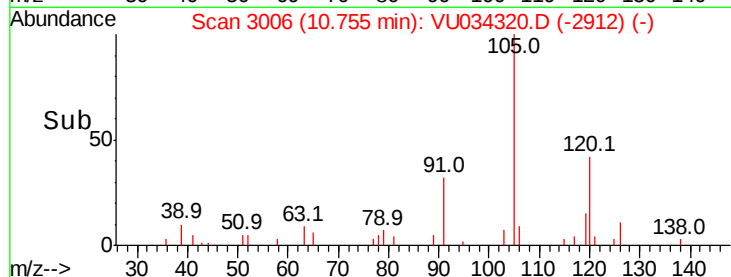
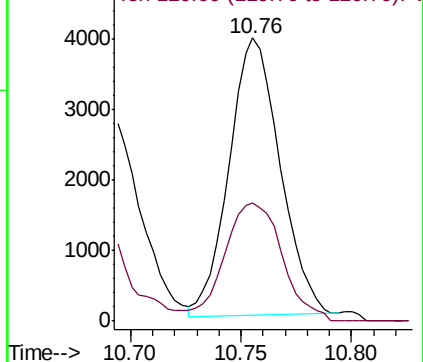
105 100

120 48.5 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 69.923 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.20 min

Lab File: VU034320.D

Acq: 06 Sep 2019 11:09

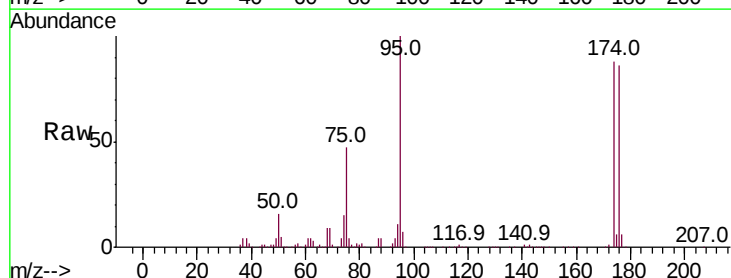
Tgt Ion: 75 Resp: 124589

Ion Ratio Lower Upper

75 100

53 0.2 0.0 0.0#

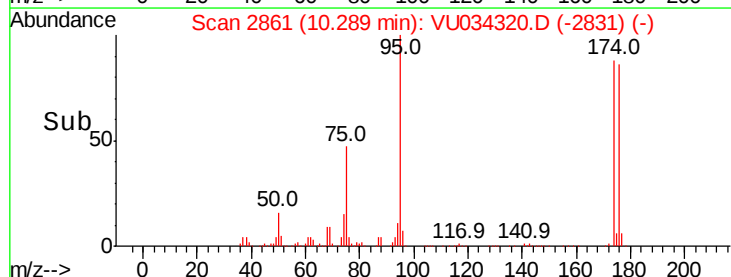
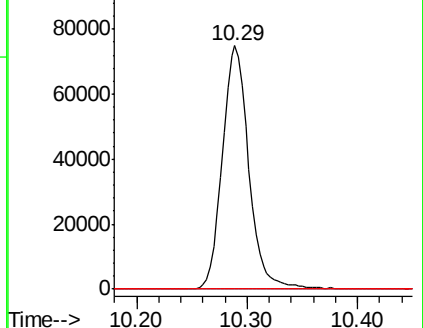
89 0.0 0.0 0.0

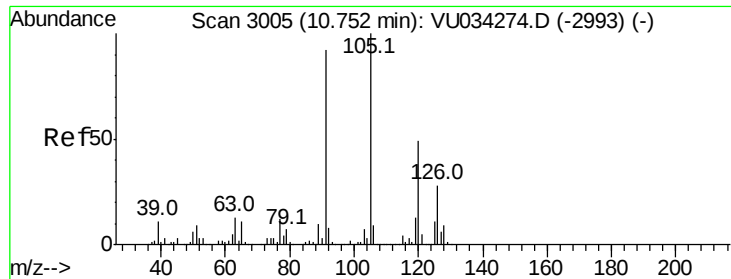


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#82

4-Chlorotoluene

Concen: 0.201 ug/l

RT: 10.76 min Scan# 3008

Delta R.T. 0.01 min

Lab File: VU034320.D

Acq: 06 Sep 2019 11:09

Instrument :

MSVOA_U

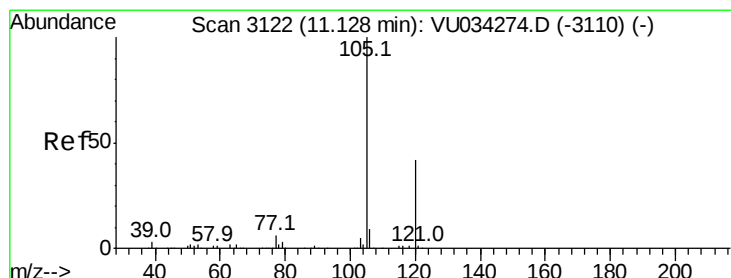
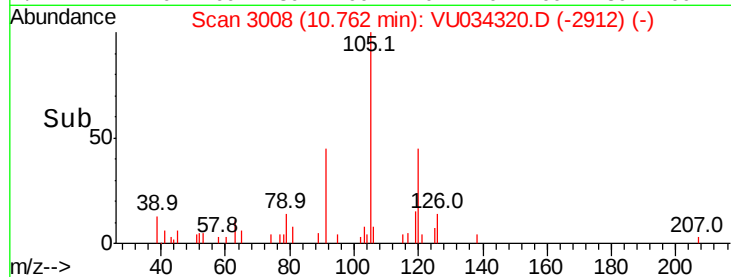
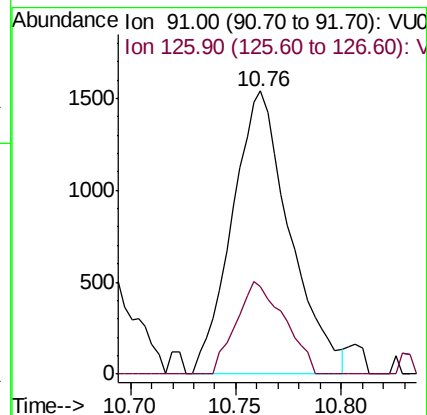
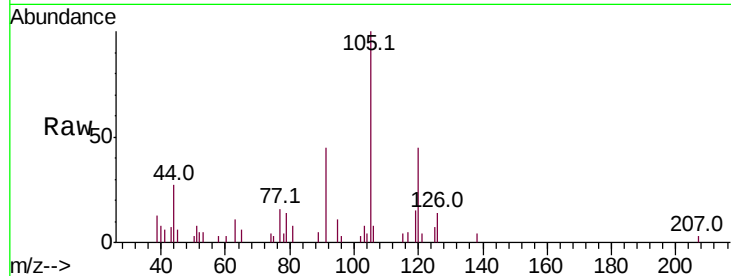
ClientSampleId :

Tot Ion: 91 Resp: 2919

Ion Ratio Lower Upper

91 100

126 27.5 15.3 45.8



#84

1,2,4-Trimethylbenzene

Concen: 1.195 ug/l

RT: 11.13 min Scan# 3123

Delta R.T. 0.00 min

Lab File: VU034320.D

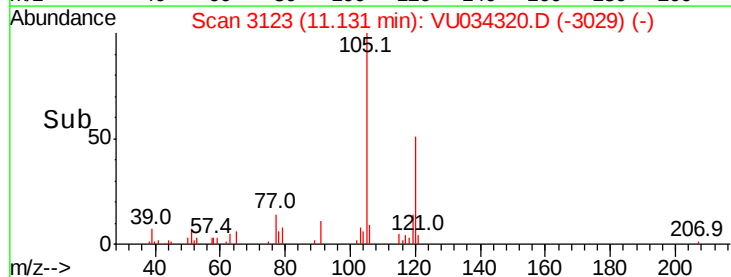
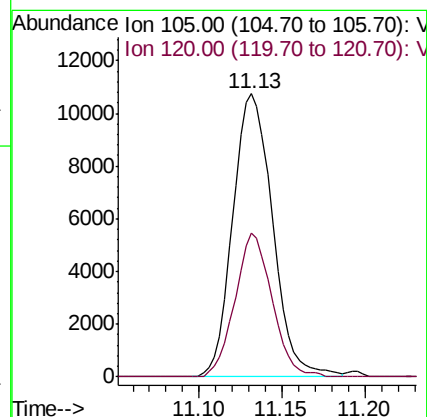
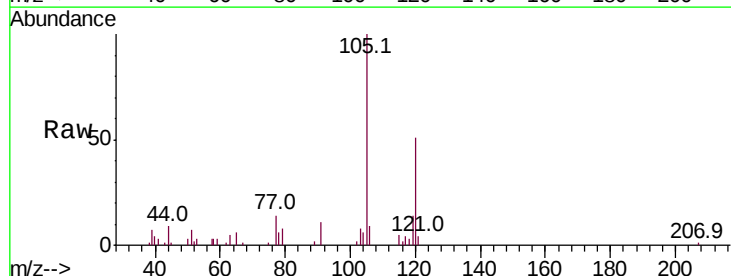
Acq: 06 Sep 2019 11:09

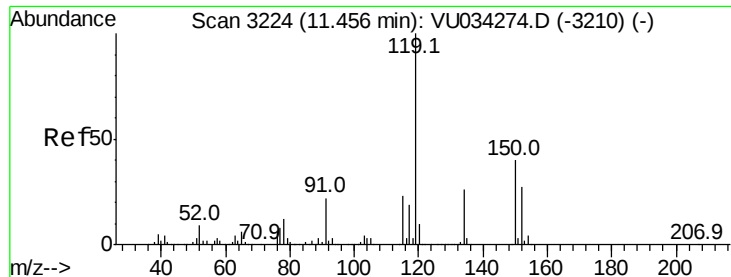
Tgt Ion: 105 Resp: 17975

Ion Ratio Lower Upper

105 100

120 47.1 22.9 68.8

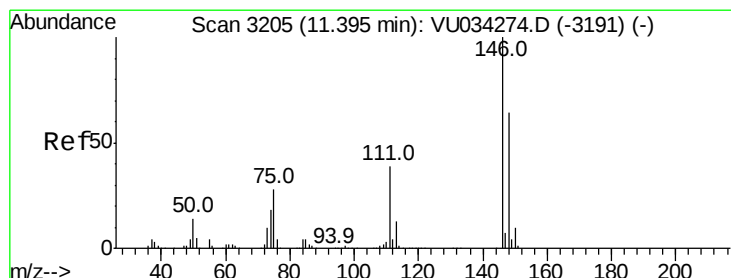
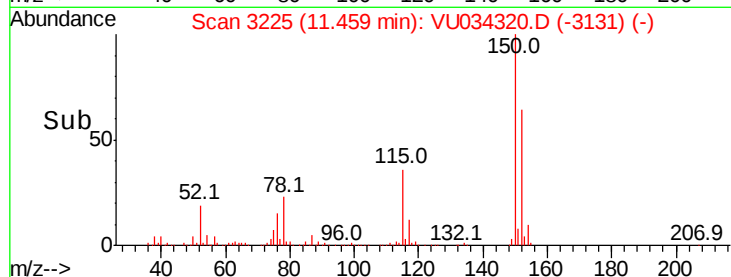
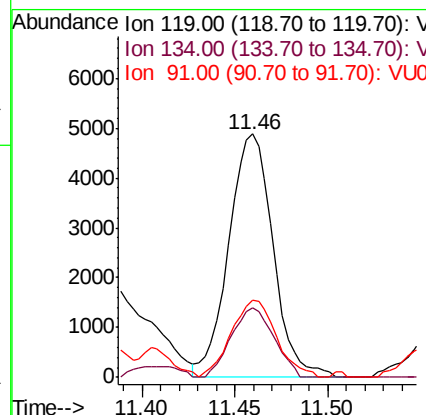
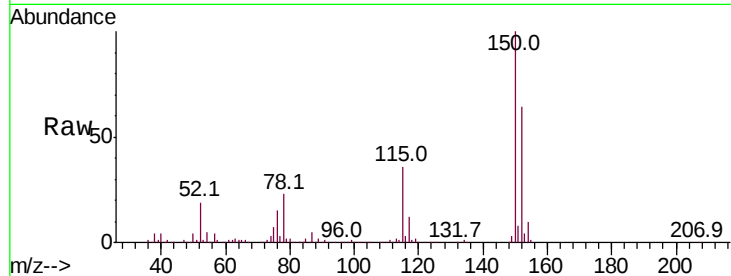




#86
 p-Isopropyltoluene
 Concen: 0.497 ug/l
 RT: 11.46 min Scan# 3225
 Delta R.T. 0.00 min
 Lab File: VU034320.D
 Acq: 06 Sep 2019 11:09

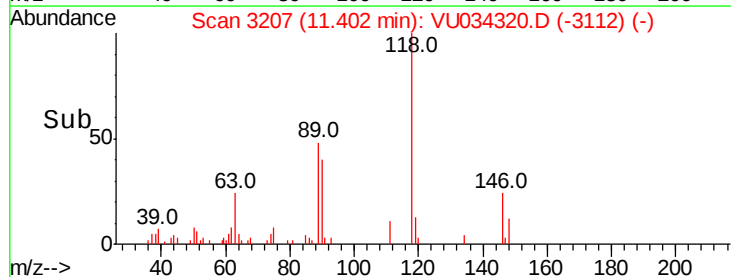
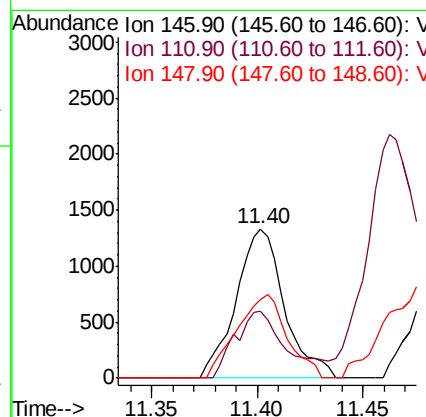
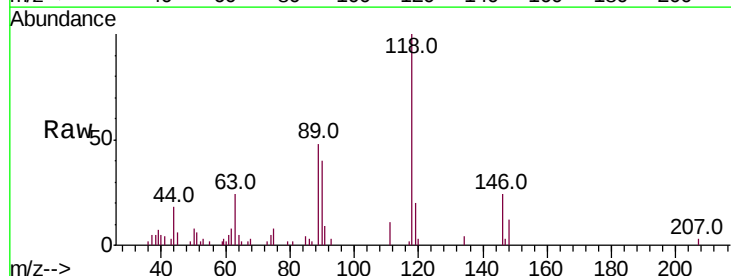
Instrument :
 MSVOA_U
 ClientSampleId :

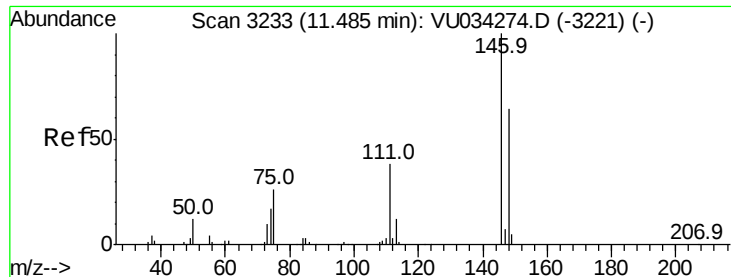
Tot Ion:119 Resp: 8094
 Ion Ratio Lower Upper
 119 100
 134 27.7 13.3 39.8
 91 32.2 11.2 33.6



#87
 1,3-Dichlorobenzene
 Concen: 0.232 ug/l
 RT: 11.40 min Scan# 3207
 Delta R.T. 0.01 min
 Lab File: VU034320.D
 Acq: 06 Sep 2019 11:09

Tgt Ion:146 Resp: 2117
 Ion Ratio Lower Upper
 146 100
 111 48.6 19.5 58.5
 148 58.0 32.1 96.3





#88

1,4-Dichlorobenzene

Concen: 0.223 ug/l

RT: 11.40 min Scan# 3207

Delta R.T. -0.08 min

Lab File: VU034320.D

Acq: 06 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

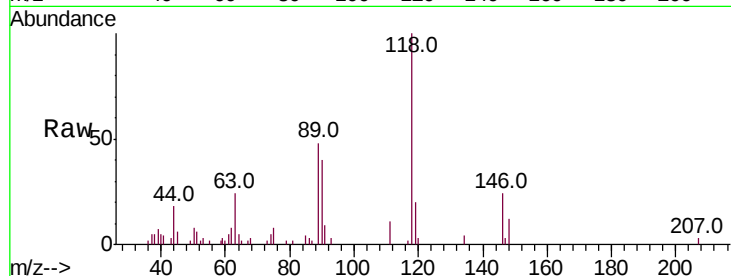
Tot Ion:146 Resp: 2117

Ion Ratio Lower Upper

146 100

111 48.6 19.1 57.3

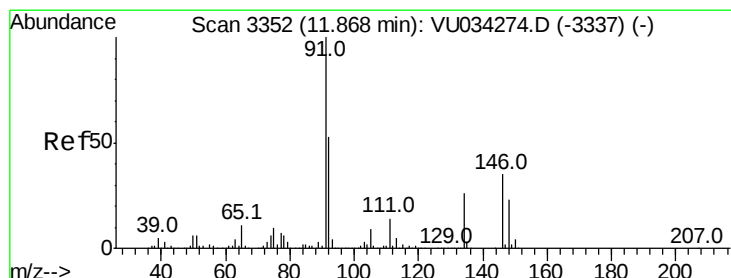
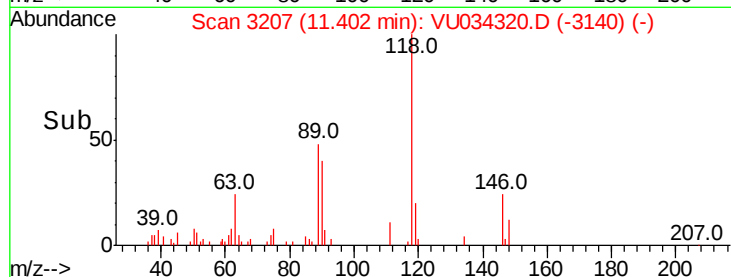
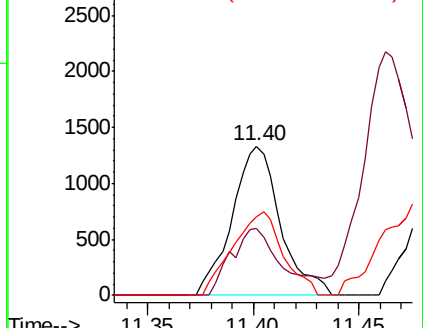
148 58.0 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.406 ug/l

RT: 11.87 min Scan# 3354

Delta R.T. 0.01 min

Lab File: VU034320.D

Acq: 06 Sep 2019 11:09

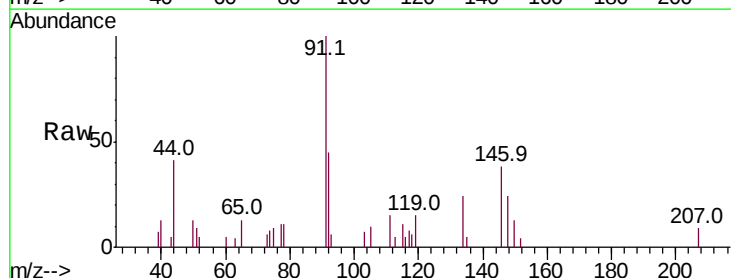
Tgt Ion: 91 Resp: 5750

Ion Ratio Lower Upper

91 100

92 44.1 26.5 79.4

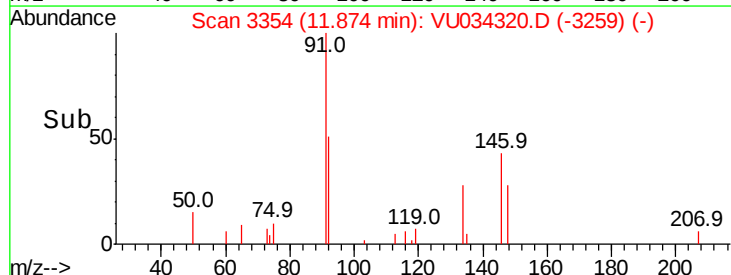
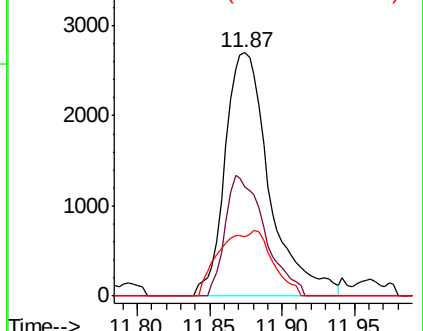
134 32.1 13.2 39.6

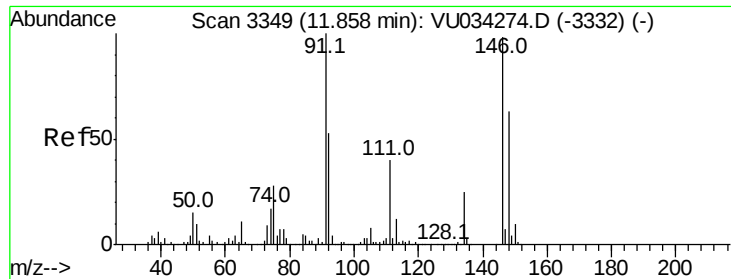


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#91

1,2-Dichlorobenzene

Concen: 0.292 ug/l

RT: 11.87 min Scan# 3352

Delta R.T. 0.01 min

Lab File: VU034320.D

Acq: 06 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

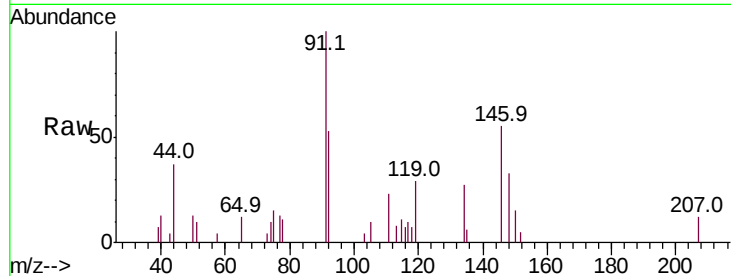
Tot Ion:146 Resp: 2619

Ion Ratio Lower Upper

146 100

111 35.7 20.0 60.0

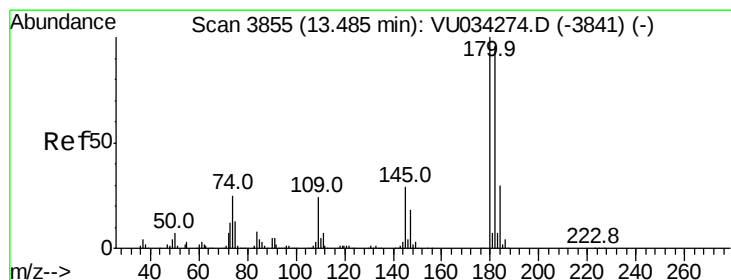
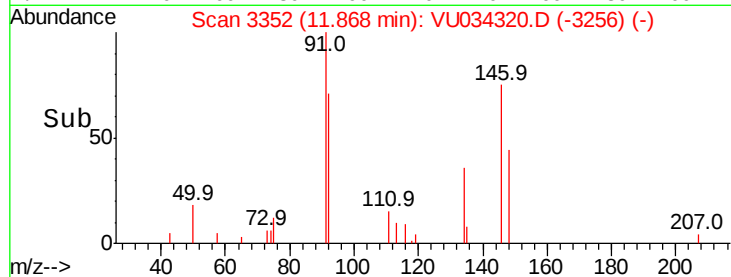
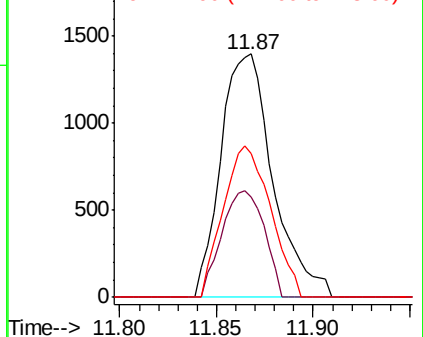
148 56.3 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 4.157 ug/l

RT: 13.49 min Scan# 3857

Delta R.T. 0.01 min

Lab File: VU034320.D

Acq: 06 Sep 2019 11:09

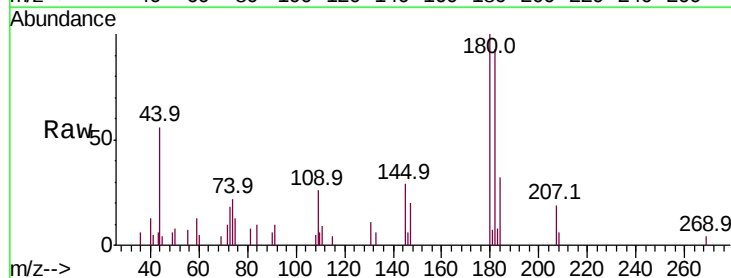
Tgt Ion:180 Resp: 4925

Ion Ratio Lower Upper

180 100

182 96.9 47.9 143.8

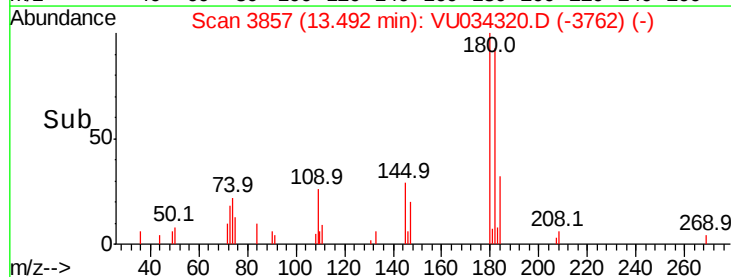
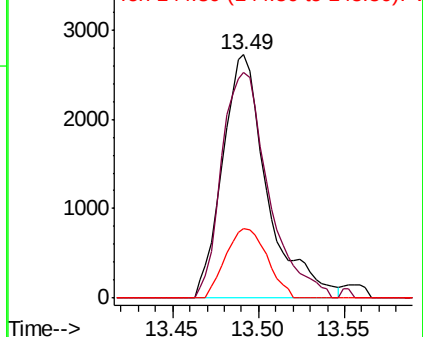
145 26.4 14.4 43.0

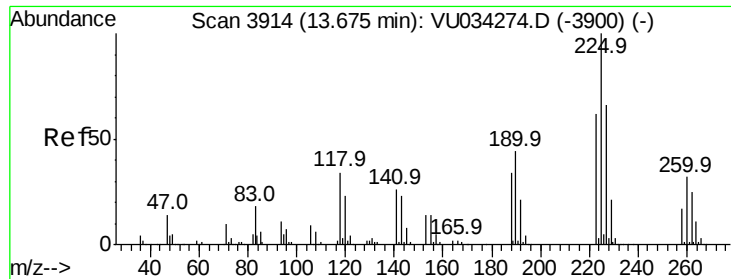


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.524 ug/l

RT: 13.67 min Scan# 3914

Delta R.T. 0.00 min

Lab File: VU034320.D

Acq: 06 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampled :

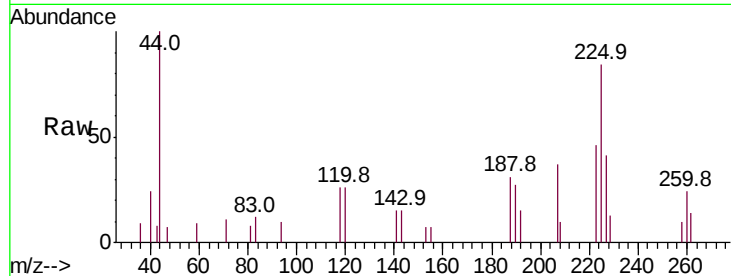
Tot Ion:225 Resp: 1641

Ion Ratio Lower Upper

225 100

223 58.0 31.6 94.7

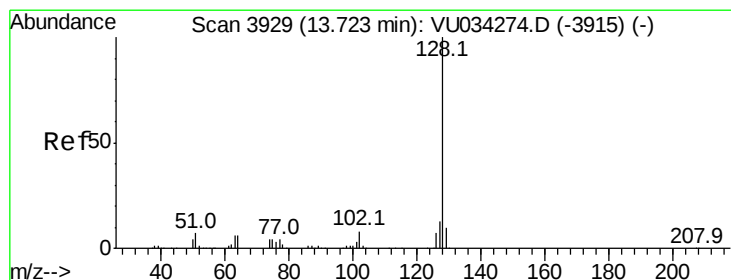
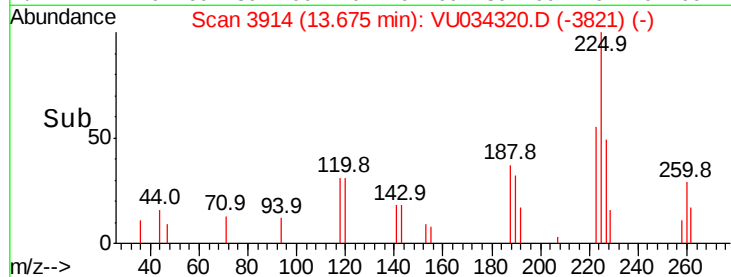
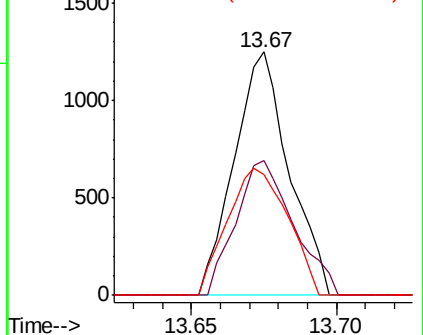
227 57.3 32.3 96.8



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 46.433 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU034320.D

Acq: 06 Sep 2019 11:09

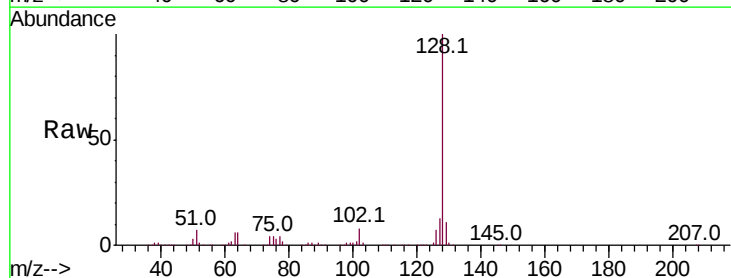
Tgt Ion:128 Resp: 843892

Ion Ratio Lower Upper

128 100

127 12.7 10.6 15.8

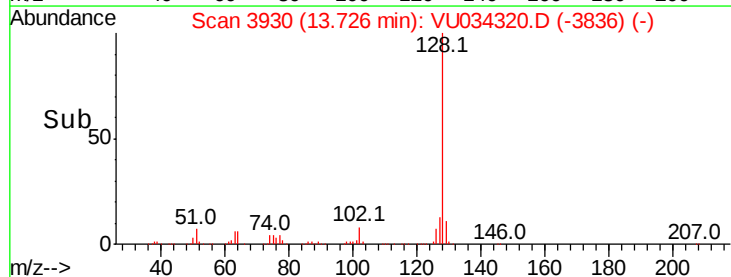
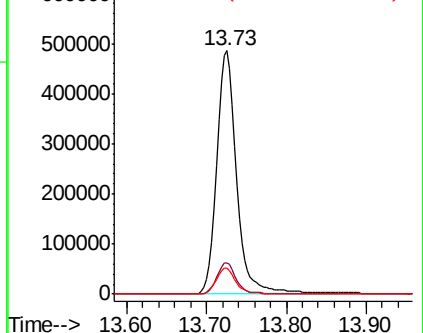
129 10.6 8.4 12.6

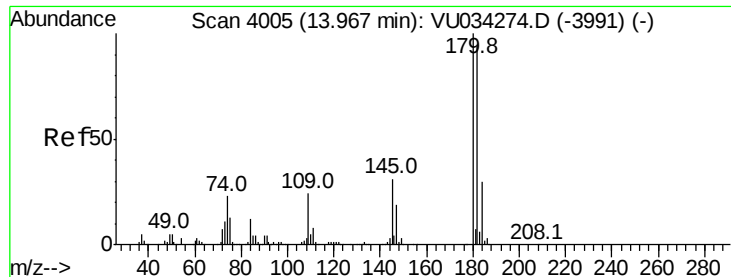


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 3.475 ug/l
 RT: 13.97 min Scan# 4006
 Delta R.T. 0.00 min
 Lab File: VU034320.D
 Acq: 06 Sep 2019 11:09

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 5544
 Ion Ratio Lower Upper
 180 100
 182 106.4 48.4 145.0
 145 43.9 15.4 46.4

