

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU083119\
 Data File : VU034101.D
 Acq On : 30 Aug 2019 16:17
 Operator : JC/SP
 Sample : K4498-05ME
 Misc : 5.10g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BOTTOM-4ME

Quant Time: Aug 31 03:39:18 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	4.95	168	494944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	804424	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.08	117	799518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	419002	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.28	65	313600	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
35) Dibromofluoromethane	4.86	113	254713	45.65	ug/l	0.00
Spiked Amount			Recovery	=	91.30%	
50) Toluene-d8	7.55	98	1033681	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	10.30	95	406806	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	4348	Below Cal		94
5) Bromomethane	1.59	94	3046	Below Cal	#	77
10) Methyl Iodide	2.38	142	1596	0.231	ug/l #	91
16) Acetone	2.33	43	2414	0.746	ug/l #	87
18) Methyl Acetate	2.61	43	12492	1.494	ug/l	93
20) Methylene Chloride	2.68	84	3193	0.521	ug/l #	92
31) Cyclohexane	4.95	56	17216	1.818	ug/l #	44
36) 1,1-Dichloropropene	4.95	75	36291	4.770	ug/l #	48
38) Carbon Tetrachloride	4.95	117	46063	6.272	ug/l #	16
39) Methylcyclohexane	6.39	83	87122	9.715	ug/l	98
48) Methyl methacrylate	6.62	41	4116	0.658	ug/l #	44
52) Toluene	7.62	92	3685	0.260	ug/l	97
55) 1,1,2-Trichloroethane	8.03	97	29919	4.988	ug/l #	19
56) Ethyl methacrylate	8.03	69	8329	1.792	ug/l #	13
59) 2-Hexanone	8.31	43	39395	5.829	ug/l #	27
67) Ethyl Benzene	9.24	91	103605	3.715	ug/l	99
68) m/p-Xylenes	9.36	106	44211	4.169	ug/l	97
69) o-Xylene	9.77	106	7015	0.689	ug/l	99
73) Isopropylbenzene	10.15	105	134360	4.774	ug/l	99
74) N-amyl acetate	10.03	43	51710	4.368	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	10.47	83	40697	3.778	ug/l #	32
76) 1,2,3-Trichloropropane	10.30	75	195992	20.754	ug/l #	37
78) n-propylbenzene	10.57	91	290803	8.872	ug/l	100
79) 2-Chlorotoluene	10.69	91	20808	1.058	ug/l #	47
80) 1,3,5-Trimethylbenzene	10.76	105	53061	2.224	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.30	75	195992	69.884	ug/l #	100
82) 4-Chlorotoluene	10.69	91	20808	0.920	ug/l #	51
83) tert-Butylbenzene	11.09	119	14814	0.631	ug/l	96
84) 1,2,4-Trimethylbenzene	11.13	105	237278	10.017	ug/l	100
85) sec-Butylbenzene	11.31	105	212955	7.566	ug/l	99
86) p-Isopropyltoluene	11.46	119	121730	4.782	ug/l	99
89) n-Butylbenzene	11.87	91	256876	11.446	ug/l #	69
90) Hexachloroethane	12.23	117	106927	24.296	ug/l #	7
92) 1,2-Dibromo-3-Chloropropan	12.63	75	7485	3.488	ug/l #	1

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QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration

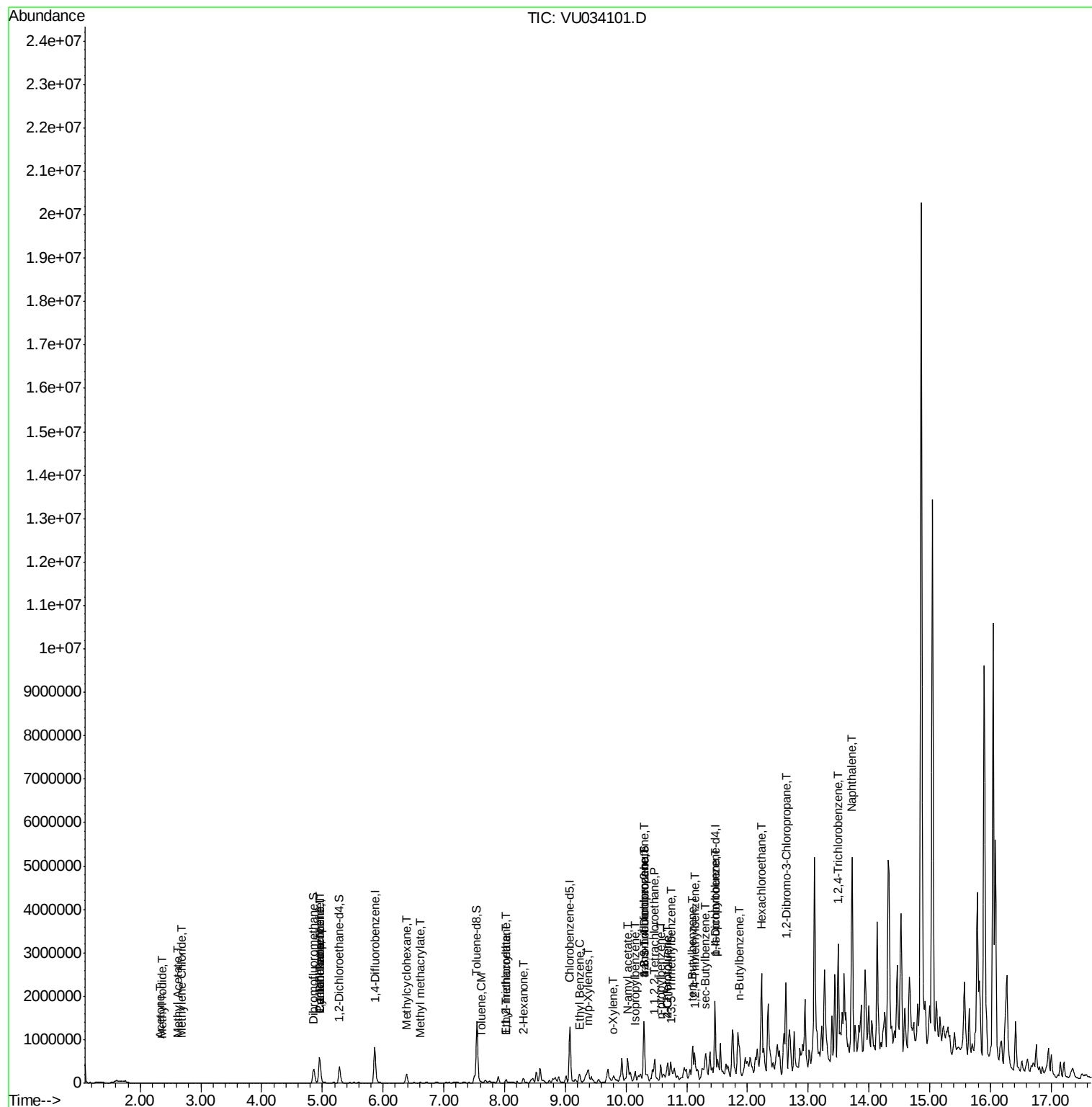
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	785	1.198	ug/l #	1
95) Naphthalene	13.73	128	3336187	124.786	ug/l	98

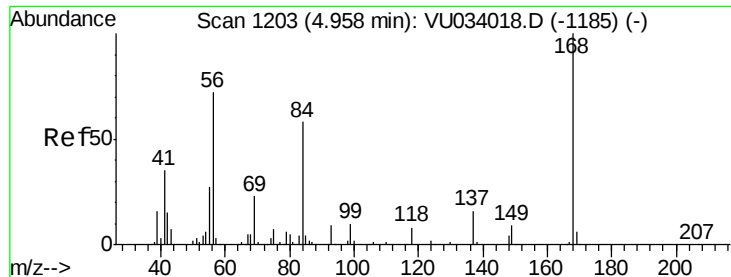
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU083119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.95 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VU034101.D

Acq: 30 Aug 2019 16:17

Instrument :

MSVOA_U

ClientSampleId :

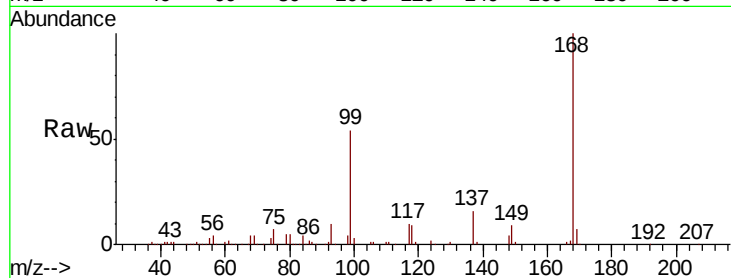
BOTTOM-4ME

Tgt Ion:168 Resp: 494944

Ion Ratio Lower Upper

168 100

99 54.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034101.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034101.D (-1185) (-)

4.95

200000

150000

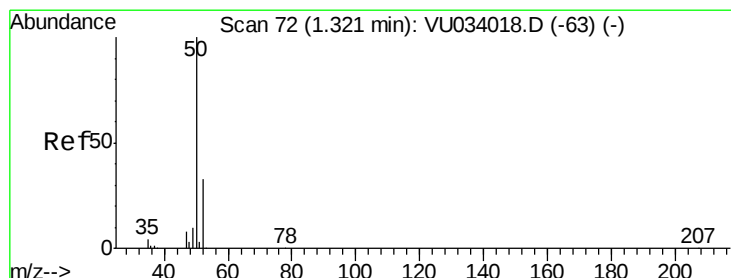
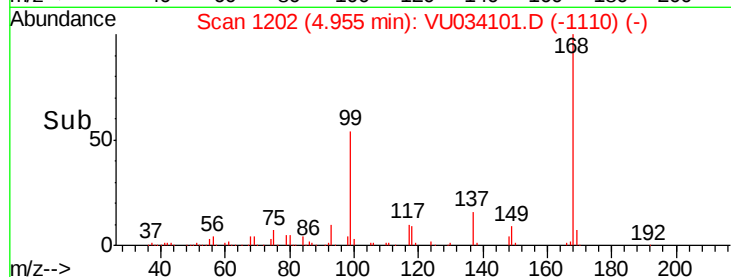
100000

50000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU034101.D

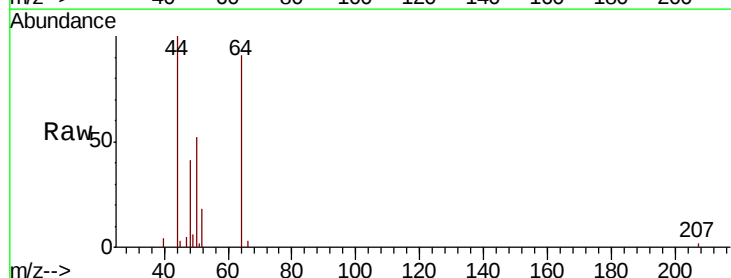
Acq: 30 Aug 2019 16:17

Tgt Ion: 50 Resp: 4348

Ion Ratio Lower Upper

50 100

52 35.9 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU034101.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU034101.D (-1) (-)

1.32

4000

3000

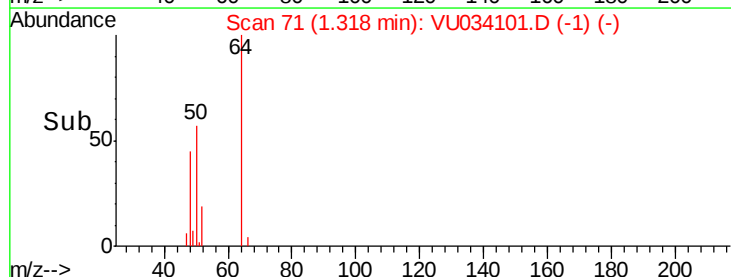
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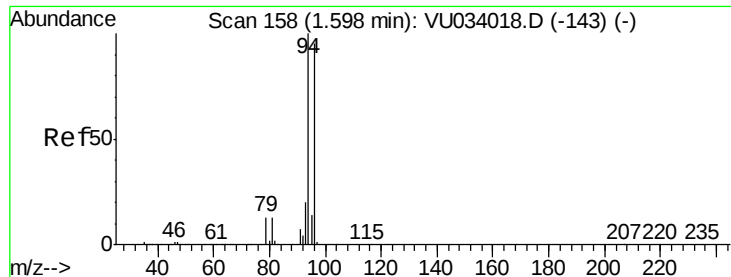
1000

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VU034101.D

Acq: 30 Aug 2019 16:17

Instrument :

MSVOA_U

ClientSampleId :

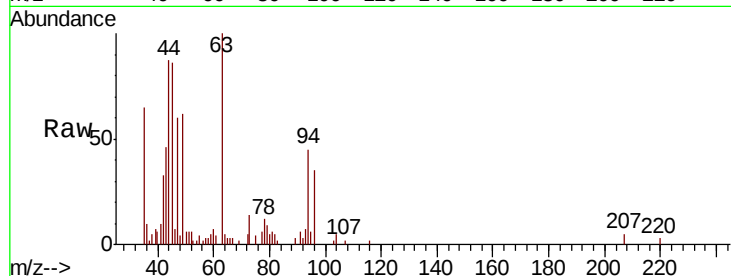
BOTTOM-4ME

Tgt Ion: 94 Resp: 3046

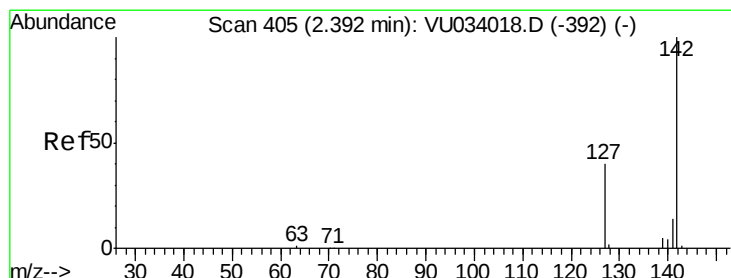
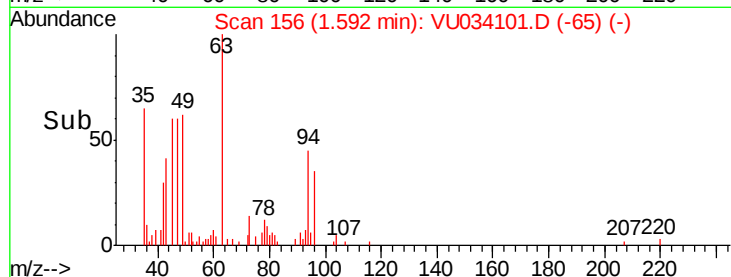
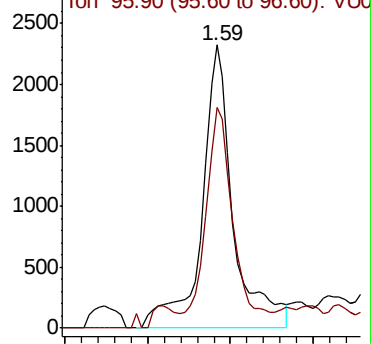
Ion Ratio Lower Upper

94 100

96 73.1 76.3 114.5#



Abundance Ion 93.90 (93.60 to 94.60): VU034101.D (-143) (-)



#10

Methyl Iodide

Concen: 0.231 ug/l

RT: 2.38 min Scan# 400

Delta R.T. -0.02 min

Lab File: VU034101.D

Acq: 30 Aug 2019 16:17

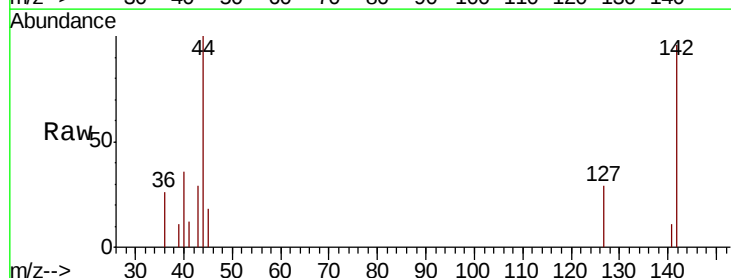
Tgt Ion: 142 Resp: 1596

Ion Ratio Lower Upper

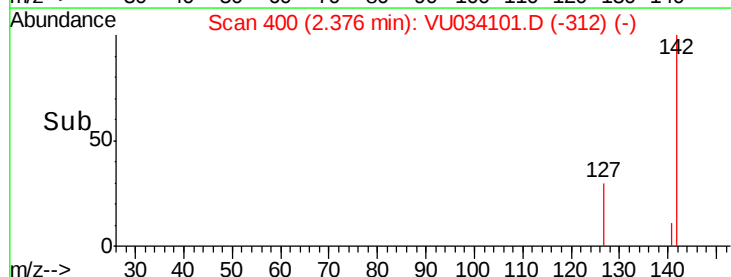
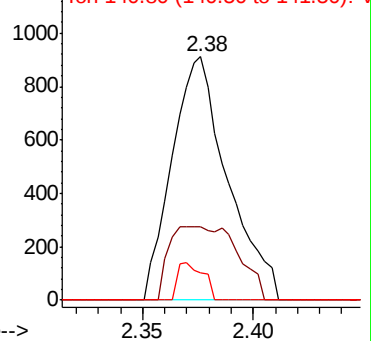
142 100

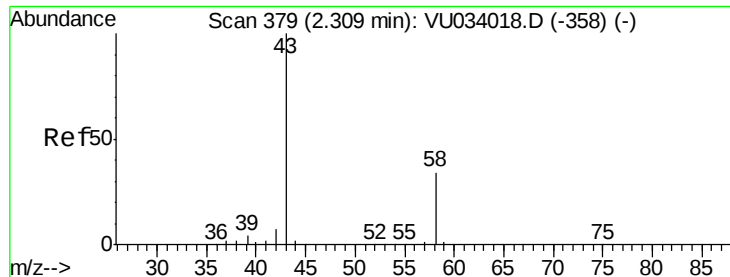
127 37.0 32.6 48.8

141 7.1 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): VU034101.D (-392) (-)





#16

Acetone

Concen: 0.746 ug/l

RT: 2.33 min Scan# 386

Delta R.T. 0.02 min

Lab File: VU034101.D

Acq: 30 Aug 2019 16:17

Instrument :

MSVOA_U

ClientSampleId :

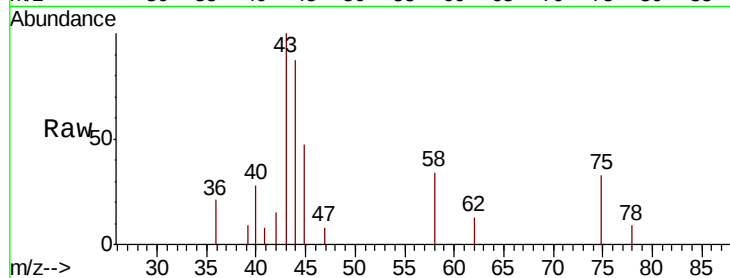
BOTTOM-4ME

Tgt Ion: 43 Resp: 2414

Ion Ratio Lower Upper

43 100

58 40.7 26.8 40.2#



Abundance Ion 43.00 (42.70 to 43.70): VU034101.D (-386) (-)

Ion 58.00 (57.70 to 58.70): VU034101.D (-386) (-)

2.33

1500

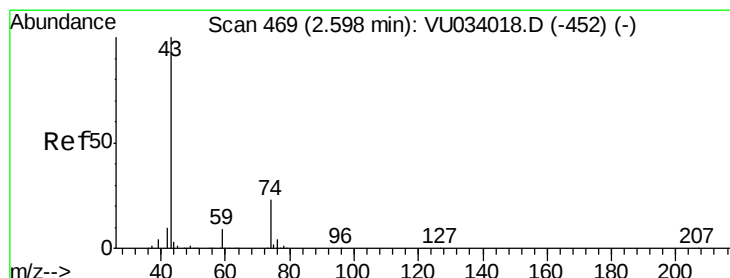
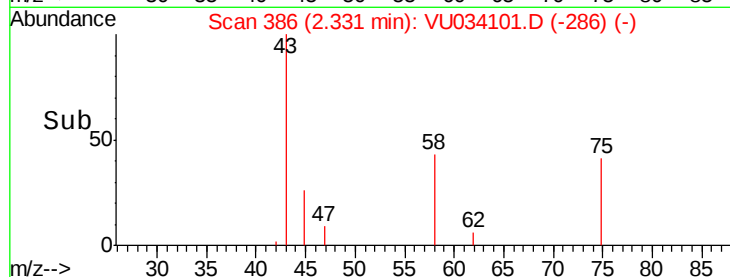
1000

500

0

Time-->

2.30 2.35 2.40



#18

Methyl Acetate

Concen: 1.494 ug/l

RT: 2.61 min Scan# 473

Delta R.T. 0.01 min

Lab File: VU034101.D

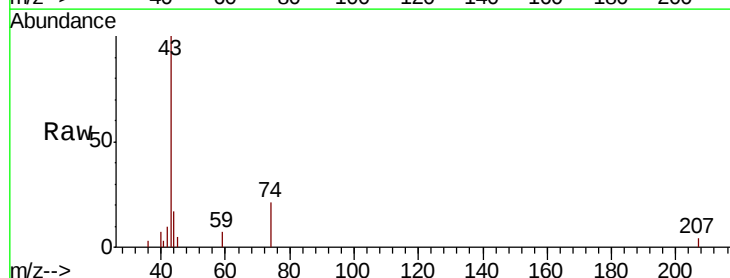
Acq: 30 Aug 2019 16:17

Tgt Ion: 43 Resp: 12492

Ion Ratio Lower Upper

43 100

74 20.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VU034101.D (-473) (-)

Ion 74.00 (73.70 to 74.70): VU034101.D (-473) (-)

2.61

6000

5000

4000

3000

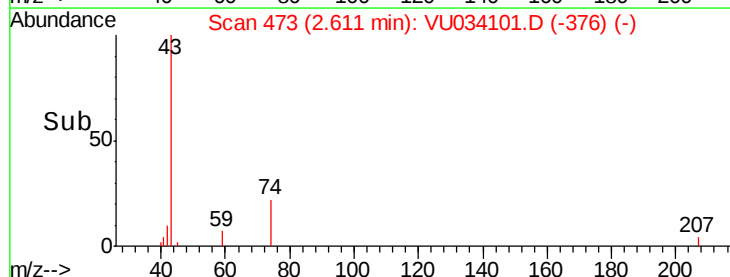
2000

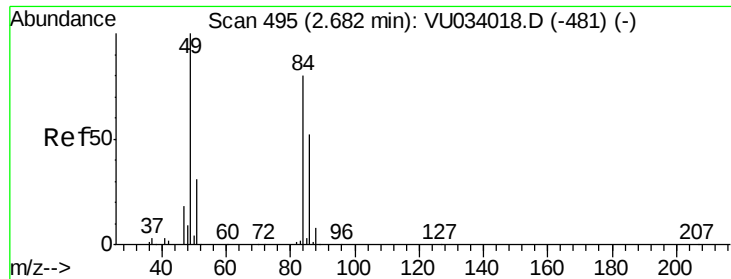
1000

0

Time-->

2.55 2.60 2.65 2.70

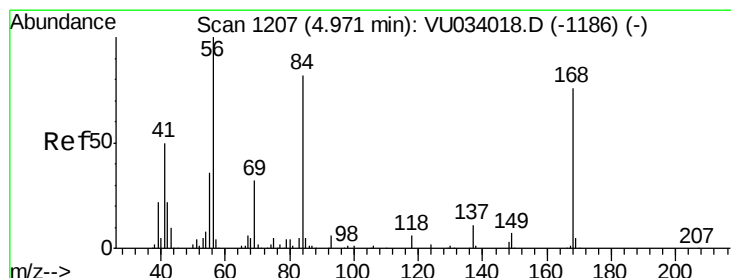
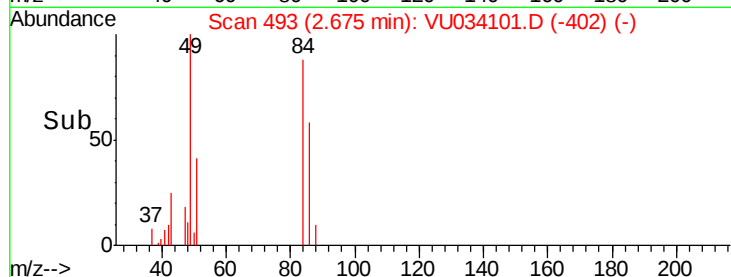
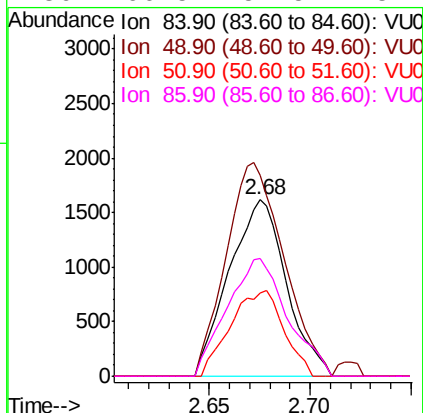
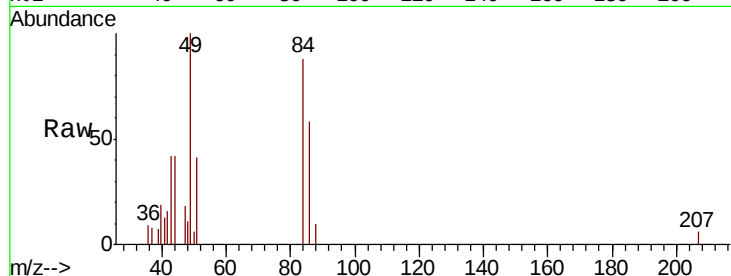




#20
Methylene Chloride
Concen: 0.521 ug/l
RT: 2.68 min Scan# 493
Delta R.T. -0.01 min
Lab File: VU034101.D
Acq: 30 Aug 2019 16:17

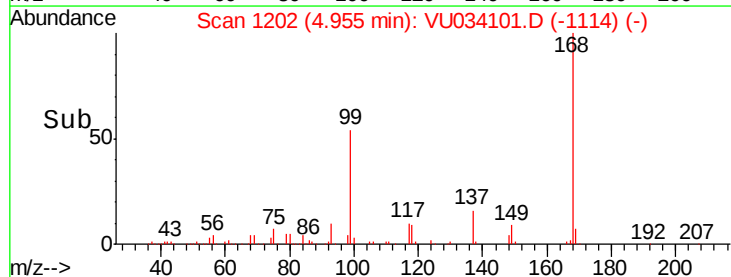
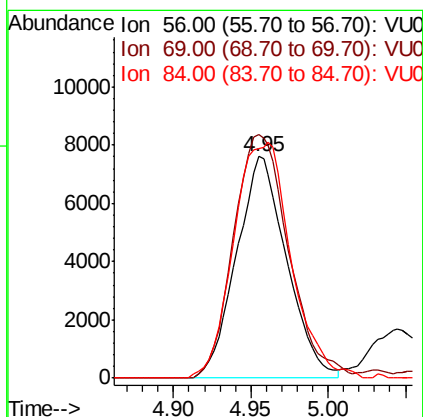
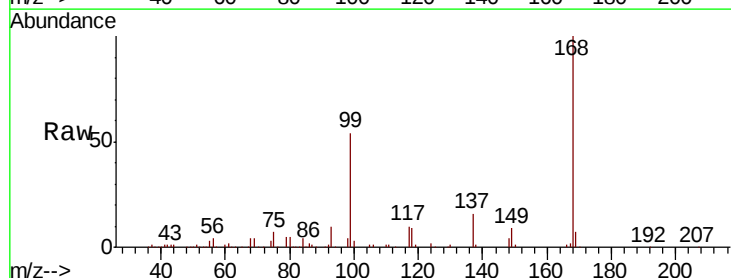
Instrument :
MSVOA_U
ClientSampleId :
BOTTOM-4ME

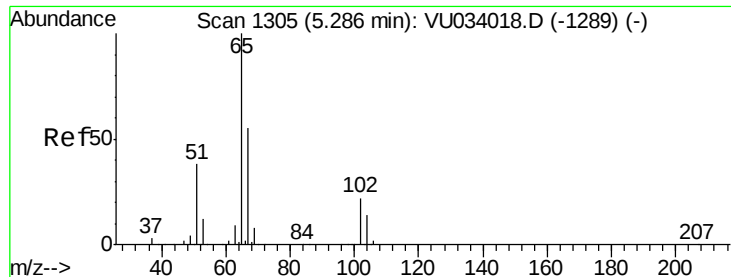
Tgt Ion: 84 Resp: 3193
Ion Ratio Lower Upper
84 100
49 113.7 100.2 150.4
51 46.8 30.8 46.2#
86 66.5 52.5 78.7



#31
Cyclohexane
Concen: 1.818 ug/l
RT: 4.95 min Scan# 1202
Delta R.T. -0.02 min
Lab File: VU034101.D
Acq: 30 Aug 2019 16:17

Tgt Ion: 56 Resp: 17216
Ion Ratio Lower Upper
56 100
69 109.9 25.4 38.0#
84 103.4 65.8 98.8#





#33

1,2-Dichloroethane-d4

Concen: 49.449 ug/l

RT: 5.28 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VU034101.D

Acq: 30 Aug 2019 16:17

Instrument :

MSVOA_U

ClientSampleId :

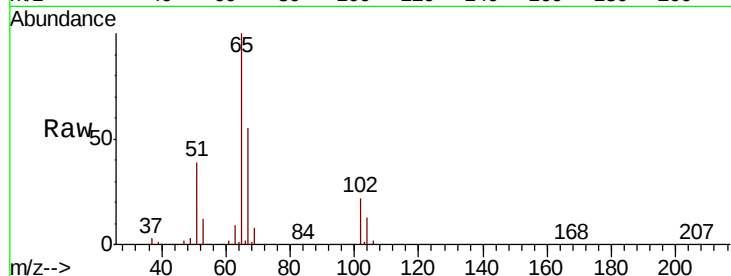
BOTTOM-4ME

Tgt Ion: 65 Resp: 313600

Ion Ratio Lower Upper

65 100

67 53.8 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU034101.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU034101.D (-1289) (-)

5.28

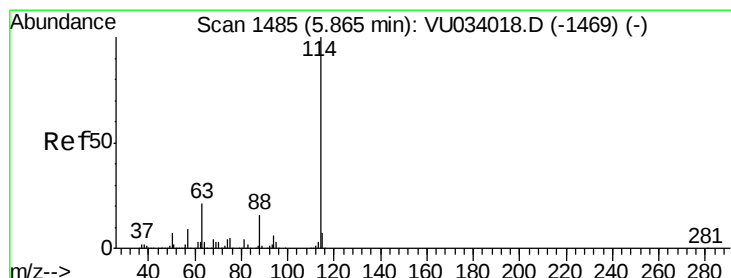
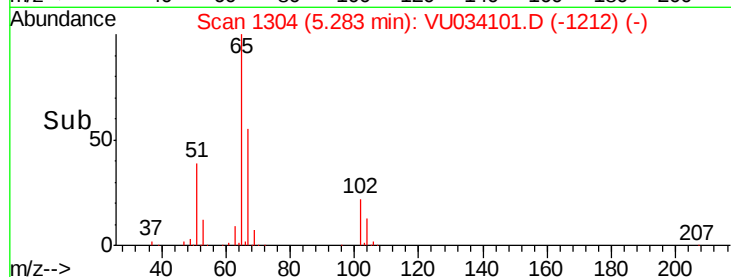
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1484

Delta R.T. -0.00 min

Lab File: VU034101.D

Acq: 30 Aug 2019 16:17

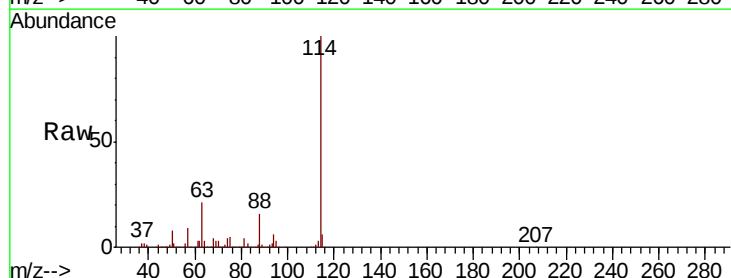
Tgt Ion: 114 Resp: 804424

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.0

88 16.0 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VU034101.D (-1392) (-)

Ion 63.00 (62.70 to 63.70): VU034101.D (-1392) (-)

Ion 87.90 (87.60 to 88.60): VU034101.D (-1392) (-)

5.86

500000

400000

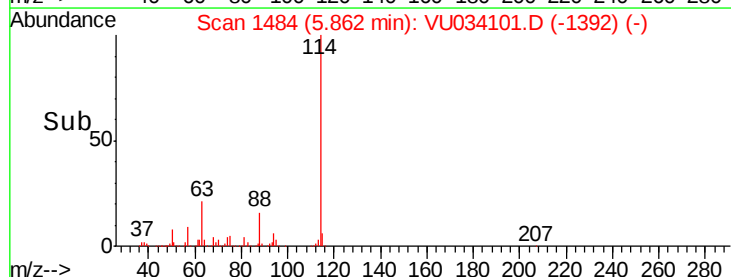
300000

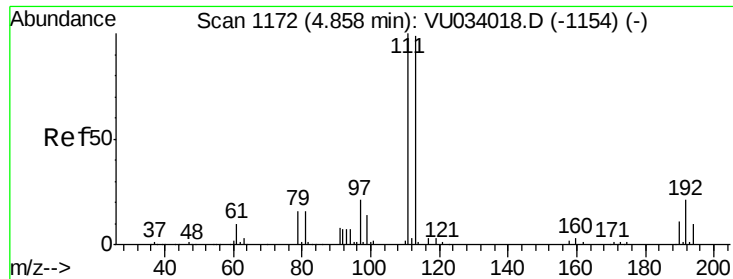
200000

100000

0

Time-->

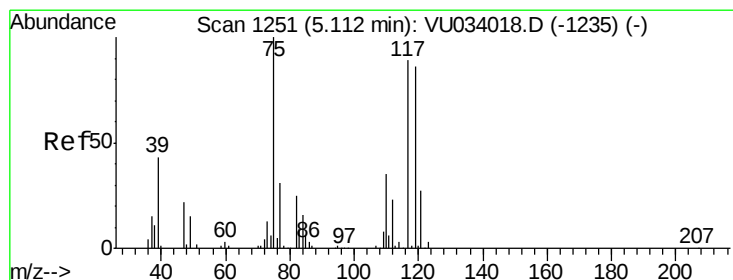
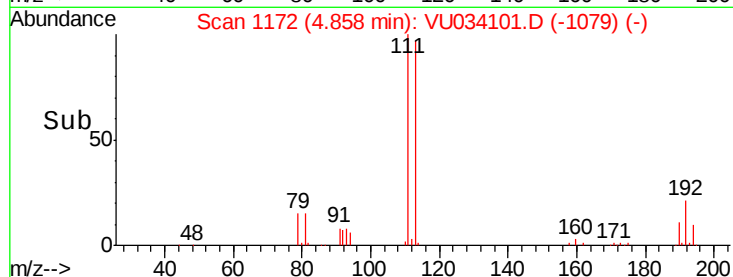
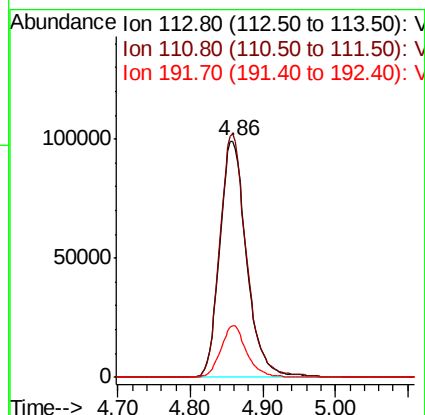
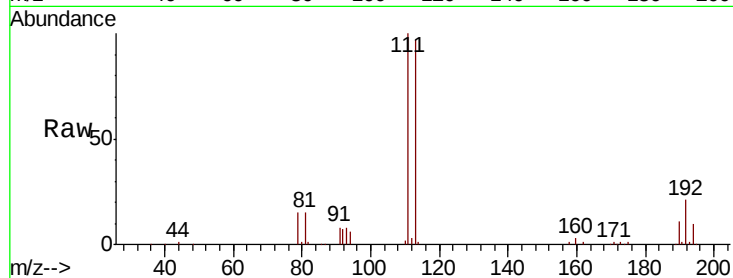




#35
 Dibromofluoromethane
 Concen: 45.652 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034101.D
 Acq: 30 Aug 2019 16:17

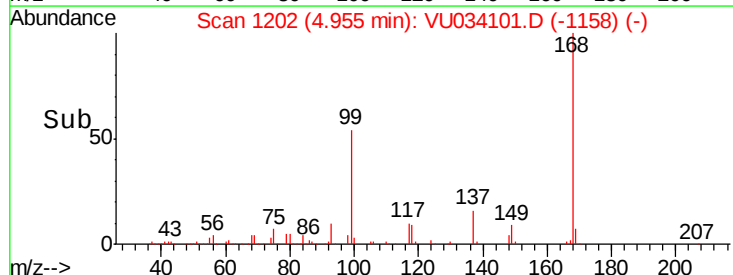
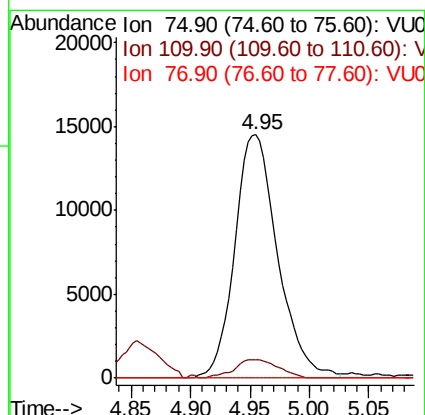
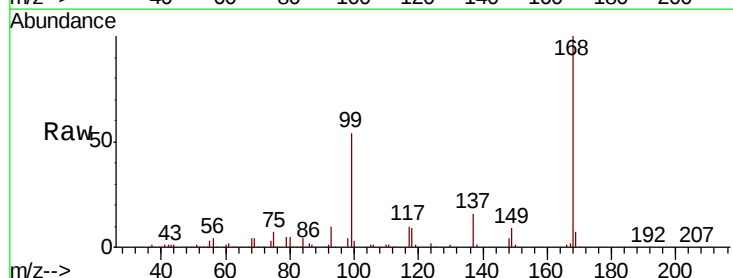
Instrument :
 MSVOA_U
 ClientSampleId :
 BOTTOM-4ME

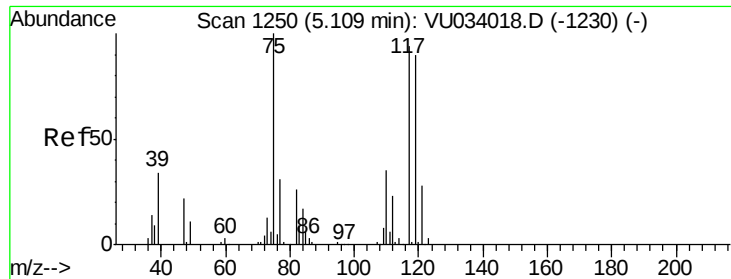
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.7	122.5
192	21.1	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 4.770 ug/l
 RT: 4.95 min Scan# 1202
 Delta R.T. -0.16 min
 Lab File: VU034101.D
 Acq: 30 Aug 2019 16:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	17.8	53.5#
77	0.0	25.0	37.4#

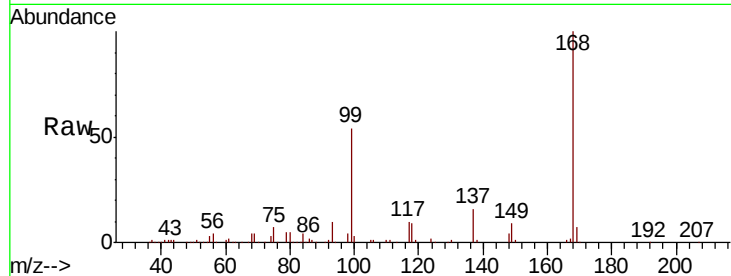




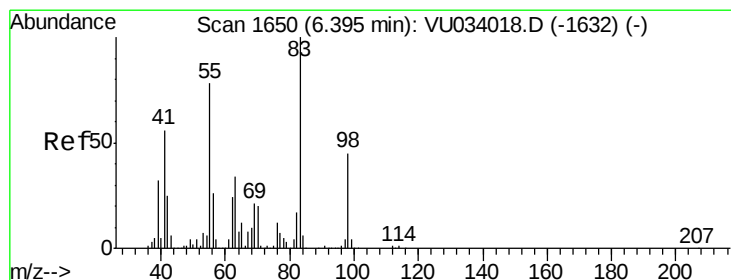
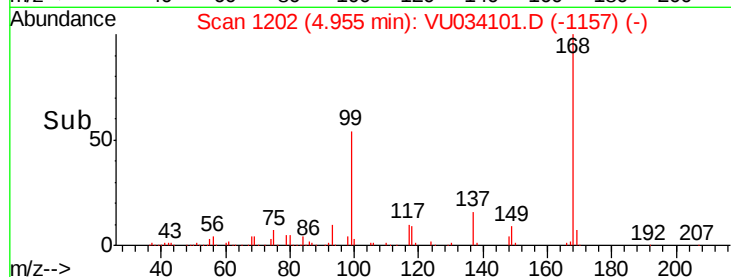
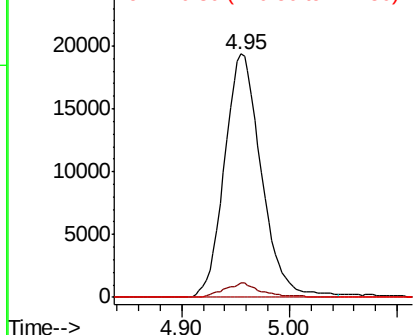
#38
Carbon Tetrachloride
Concen: 6.272 ug/l
RT: 4.95 min Scan# 1202
Delta R.T. -0.15 min
Lab File: VU034101.D
Acq: 30 Aug 2019 16:17

Instrument :
MSVOA_U
ClientSampleId :
BOTTOM-4ME

Tgt Ion: 117 Resp: 46063
Ion Ratio Lower Upper
117 100
119 5.7 77.0 115.4#
121 0.0 23.9 35.9#

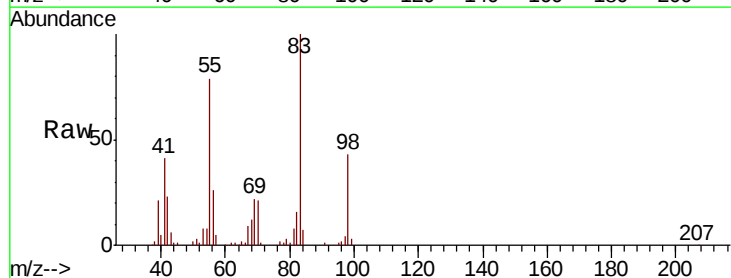


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

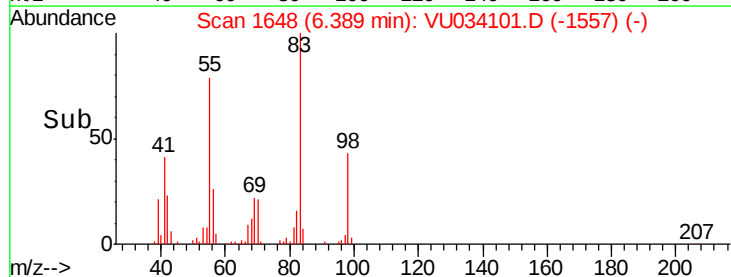
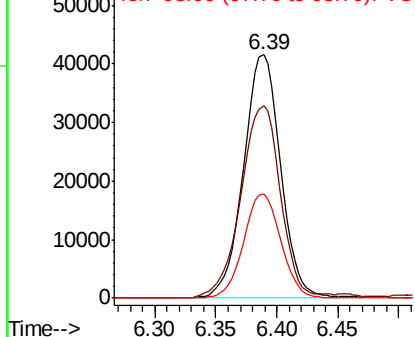


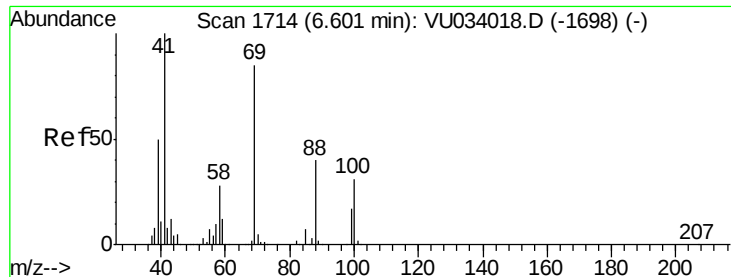
#39
Methylcyclohexane
Concen: 9.715 ug/l
RT: 6.39 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VU034101.D
Acq: 30 Aug 2019 16:17

Tgt Ion: 83 Resp: 87122
Ion Ratio Lower Upper
83 100
55 79.0 62.3 93.5
98 42.7 36.2 54.2



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

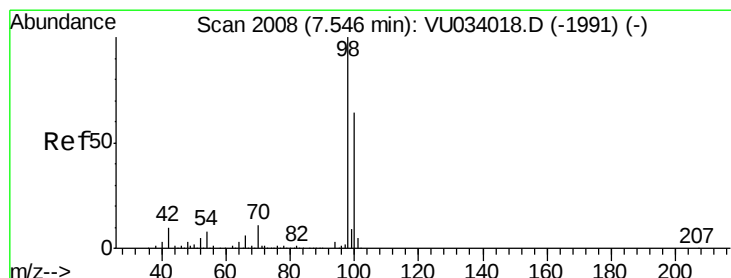
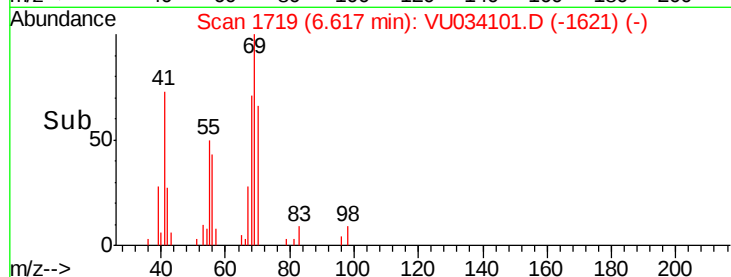
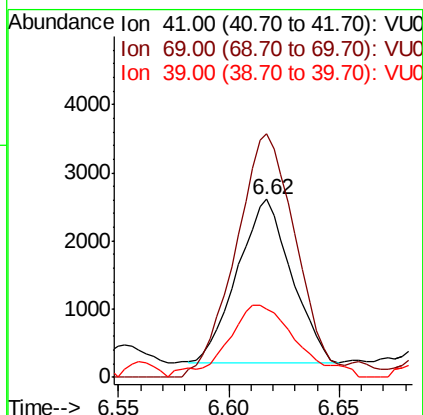
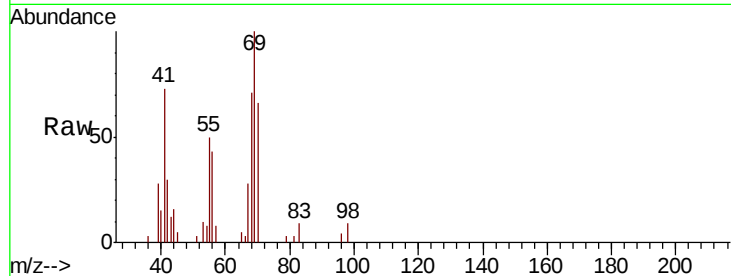




#48
Methyl methacrylate
Concen: 0.658 ug/l
RT: 6.62 min Scan# 1719
Delta R.T. 0.02 min
Lab File: VU034101.D
Acq: 30 Aug 2019 16:17

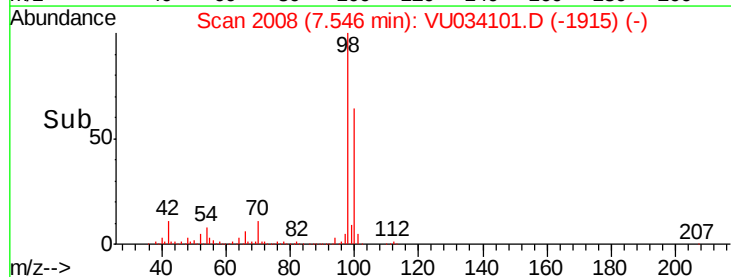
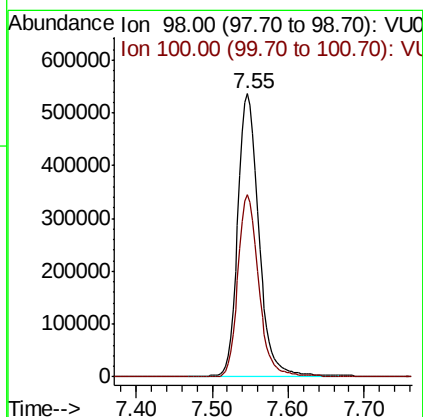
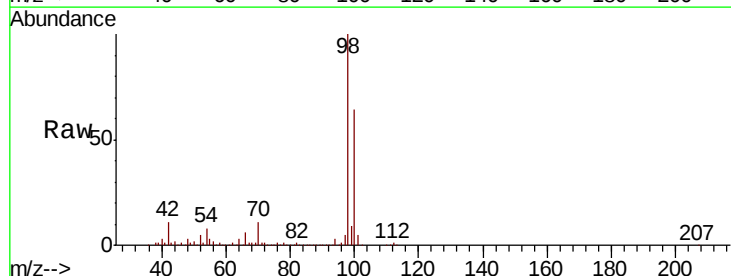
Instrument :
MSVOA_U
ClientSampleId :
BOTTOM-4ME

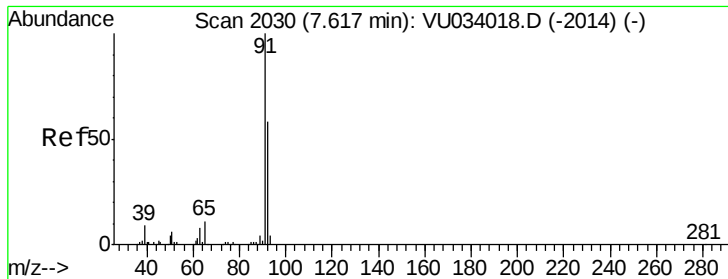
Tgt Ion: 41 Resp: 4116
Ion Ratio Lower Upper
41 100
69 164.4 69.5 104.3#
39 55.6 40.3 60.5



#50
Toluene-d8
Concen: 49.479 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034101.D
Acq: 30 Aug 2019 16:17

Tgt Ion: 98 Resp: 1033681
Ion Ratio Lower Upper
98 100
100 63.9 50.3 75.5





#52

Toluene

Concen: 0.260 ug/l

RT: 7.62 min Scan# 2032

Delta R.T. 0.01 min

Lab File: VU034101.D

Acq: 30 Aug 2019 16:17

Instrument :

MSVOA_U

ClientSampleId :

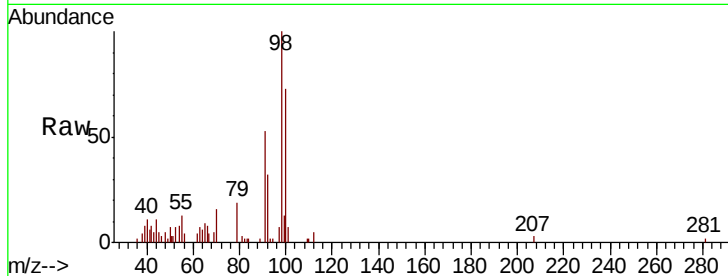
BOTTOM-4ME

Tgt Ion: 92 Resp: 3685

Ion Ratio Lower Upper

92 100

91 168.1 138.3 207.5

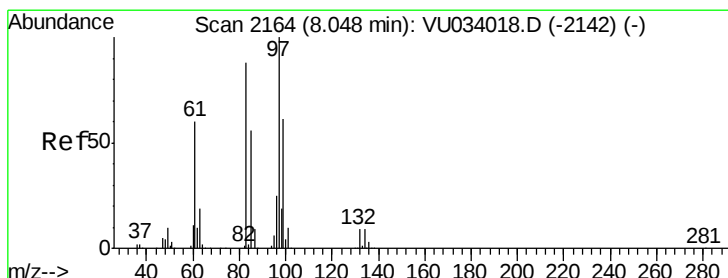
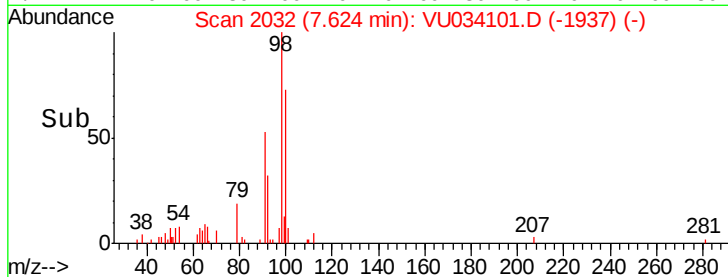


Abundance Ion 92.00 (91.70 to 92.70): VU034101.D (-2014) (-)

Ion 91.00 (90.70 to 91.70): VU034101.D (-2014) (-)

7.62

Time-->



#55

1,1,2-Trichloroethane

Concen: 4.988 ug/l

RT: 8.03 min Scan# 2157

Delta R.T. -0.02 min

Lab File: VU034101.D

Acq: 30 Aug 2019 16:17

Tgt Ion: 97 Resp: 29919

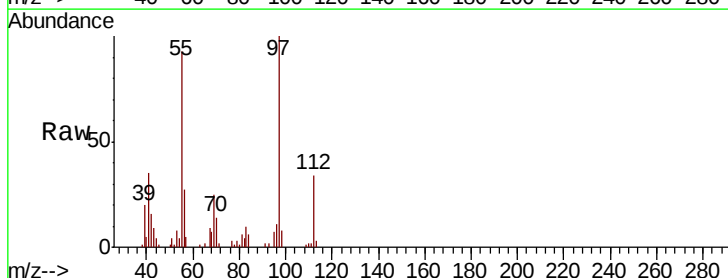
Ion Ratio Lower Upper

97 100

83 10.1 70.1 105.1#

85 0.0 45.0 67.4#

99 0.0 49.8 74.8#



Abundance Ion 96.90 (96.60 to 97.60): VU034101.D (-2142) (-)

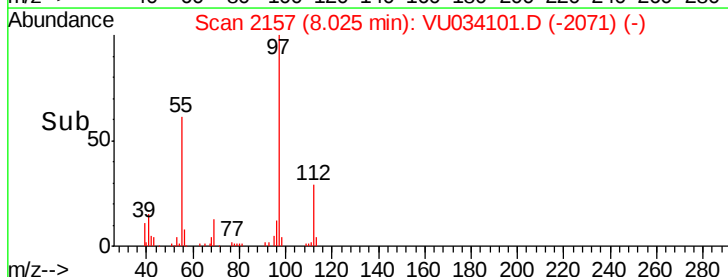
Ion 82.90 (82.60 to 83.60): VU034101.D (-2142) (-)

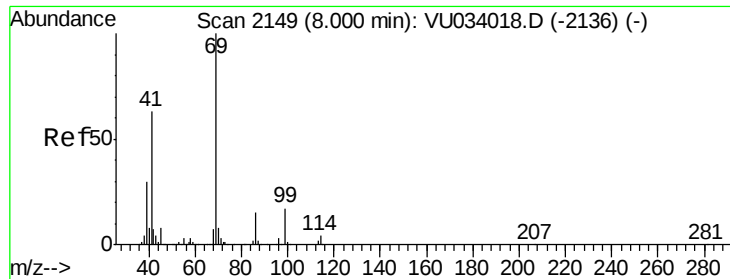
Ion 84.90 (84.60 to 85.60): VU034101.D (-2142) (-)

Ion 98.90 (98.60 to 99.60): VU034101.D (-2142) (-)

8.03

Time-->





#56

Ethyl methacrylate

Concen: 1.792 ug/l

RT: 8.03 min Scan# 2157

Delta R.T. 0.03 min

Lab File: VU034101.D

Acq: 30 Aug 2019 16:17

Instrument :

MSVOA_U

ClientSampleId :

BOTTOM-4ME

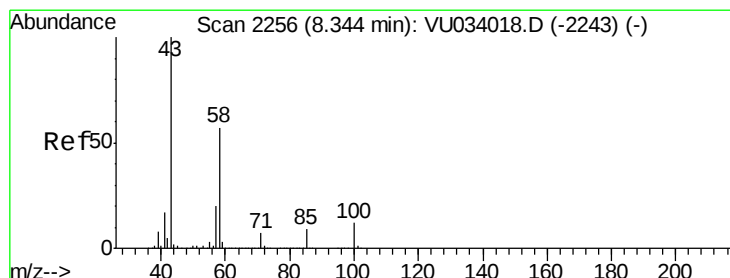
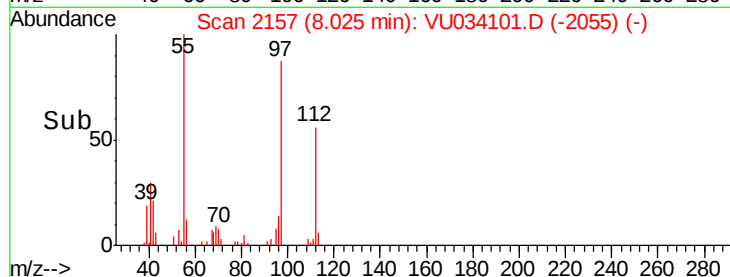
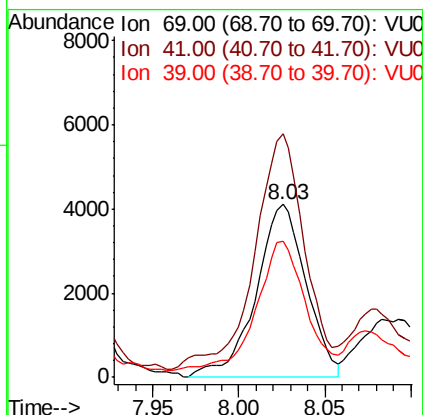
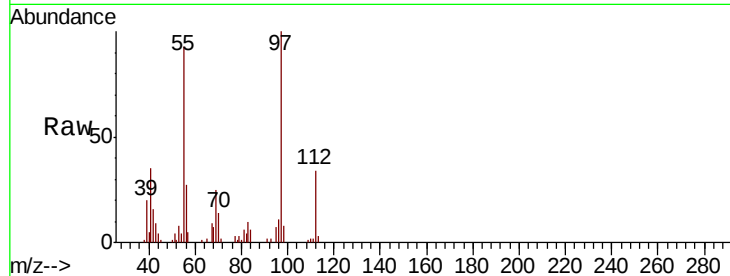
Tgt Ion: 69 Resp: 8329

Ion Ratio Lower Upper

69 100

41 134.7 50.7 76.1#

39 72.2 24.2 36.2#



#59

2-Hexanone

Concen: 5.829 ug/l

RT: 8.31 min Scan# 2245

Delta R.T. -0.04 min

Lab File: VU034101.D

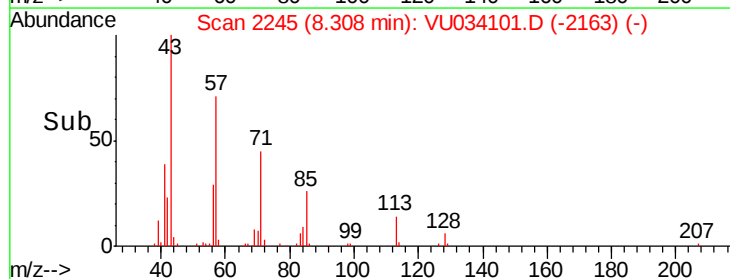
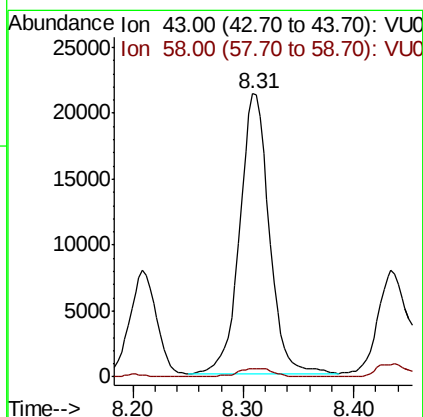
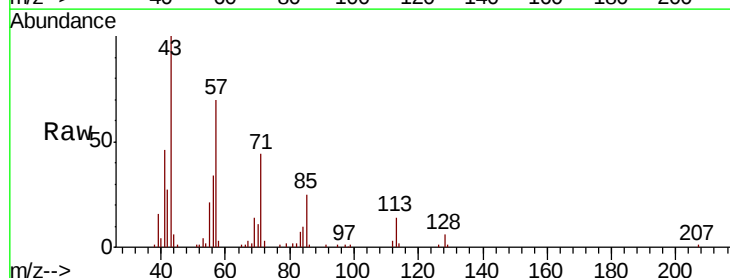
Acq: 30 Aug 2019 16:17

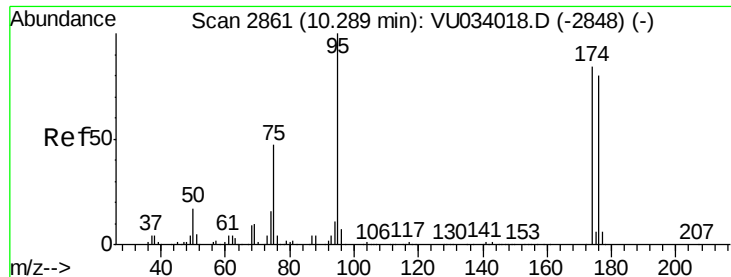
Tgt Ion: 43 Resp: 39395

Ion Ratio Lower Upper

43 100

58 3.5 28.4 85.3#

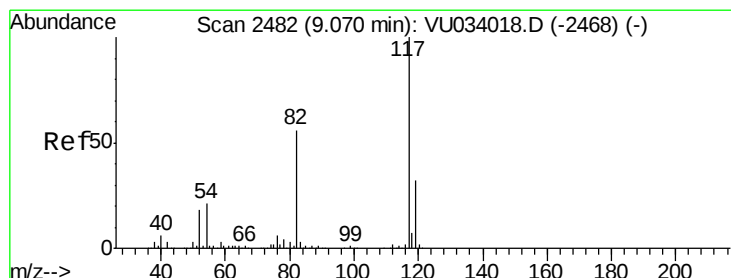
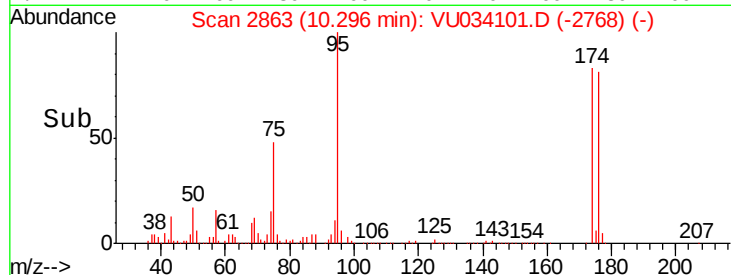
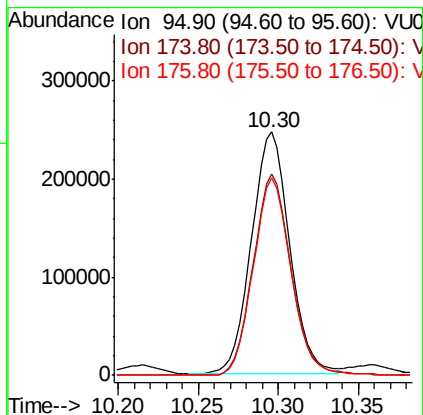
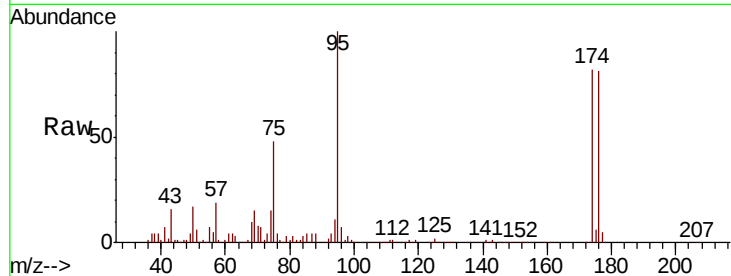




#62
4-Bromofluorobenzene
Concen: 50.059 ug/l
RT: 10.30 min Scan# 2863
Delta R.T. 0.01 min
Lab File: VU034101.D
Acq: 30 Aug 2019 16:17

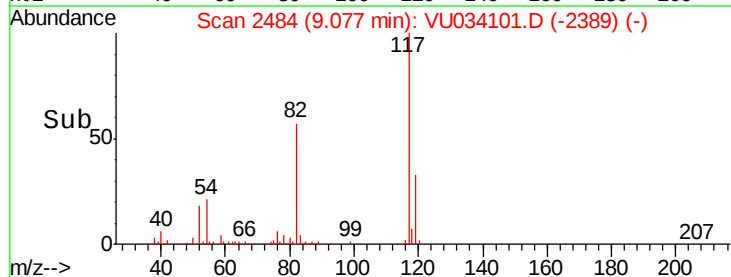
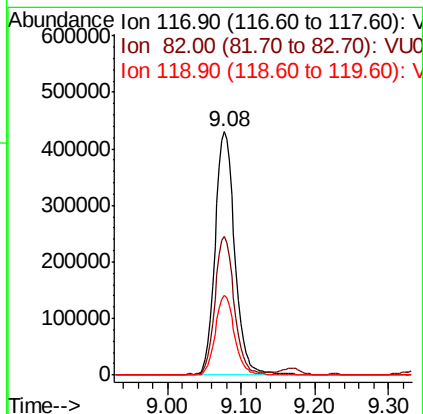
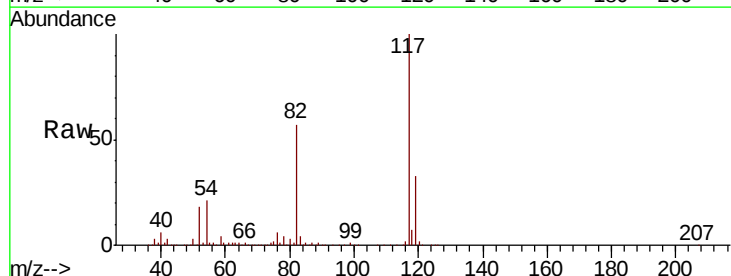
Instrument :
MSVOA_U
ClientSampleId :
BOTTOM-4ME

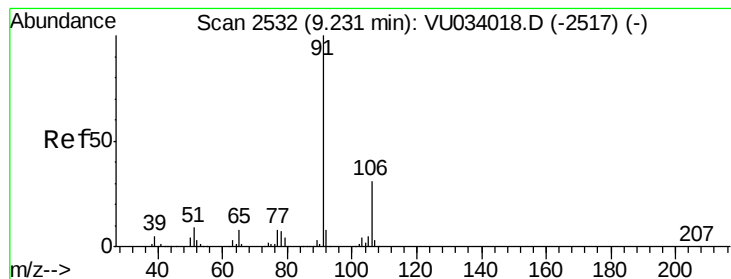
Tgt Ion: 95 Resp: 406806
Ion Ratio Lower Upper
95 100
174 82.0 0.0 168.8
176 80.7 0.0 161.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.08 min Scan# 2484
Delta R.T. 0.01 min
Lab File: VU034101.D
Acq: 30 Aug 2019 16:17

Tgt Ion: 117 Resp: 799518
Ion Ratio Lower Upper
117 100
82 56.7 45.1 67.7
119 32.6 25.4 38.0





#67

Ethyl Benzene

Concen: 3.715 ug/l

RT: 9.24 min Scan# 2534

Delta R.T. 0.01 min

Lab File: VU034101.D

Acq: 30 Aug 2019 16:17

Instrument :

MSVOA_U

ClientSampleId :

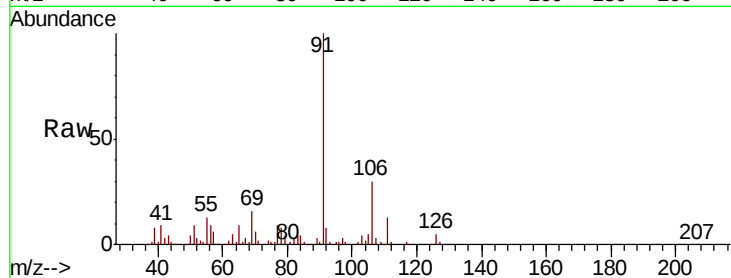
BOTTOM-4ME

Tgt Ion: 91 Resp: 103605

Ion Ratio Lower Upper

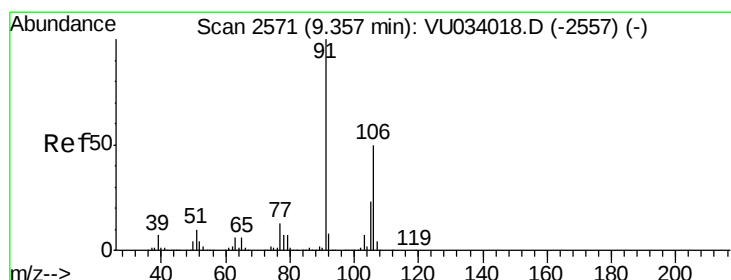
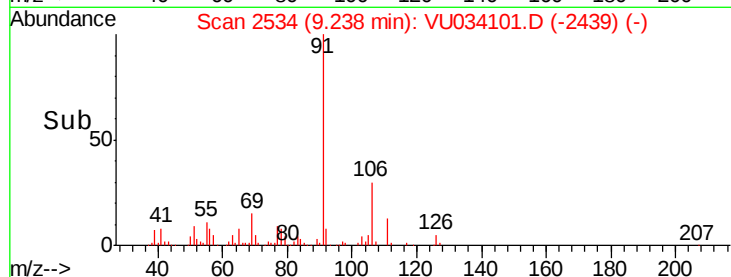
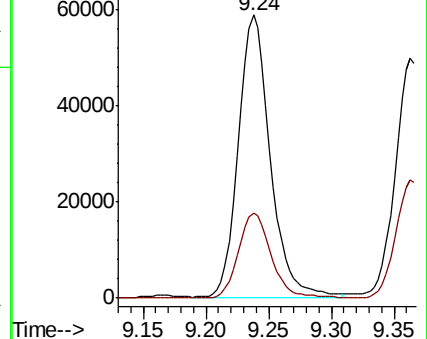
91 100

106 30.3 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VU034018.D (-2517) (-)

Ion 106.00 (105.70 to 106.70): VU034018.D (-2517) (-)



#68

m/p-Xylenes

Concen: 4.169 ug/l

RT: 9.36 min Scan# 2573

Delta R.T. 0.01 min

Lab File: VU034101.D

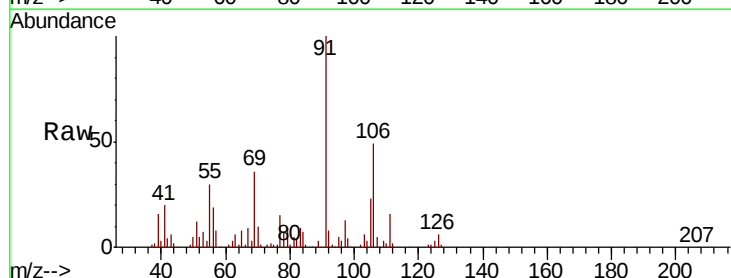
Acq: 30 Aug 2019 16:17

Tgt Ion: 106 Resp: 44211

Ion Ratio Lower Upper

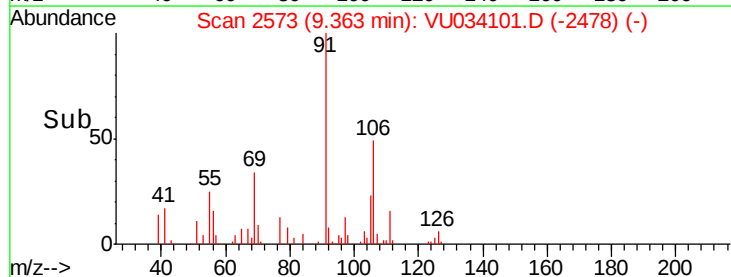
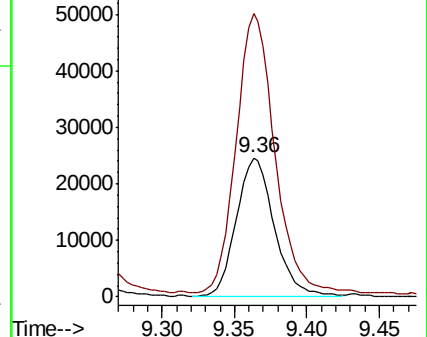
106 100

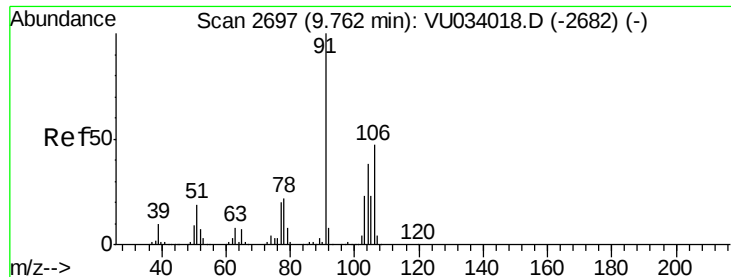
91 206.6 161.6 242.4



Abundance Ion 106.00 (105.70 to 106.70): VU034018.D (-2557) (-)

Ion 91.00 (90.70 to 91.70): VU034018.D (-2557) (-)

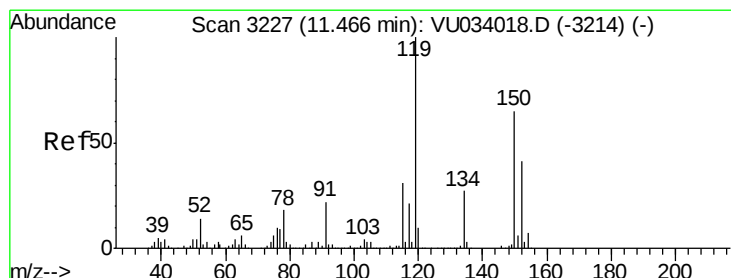
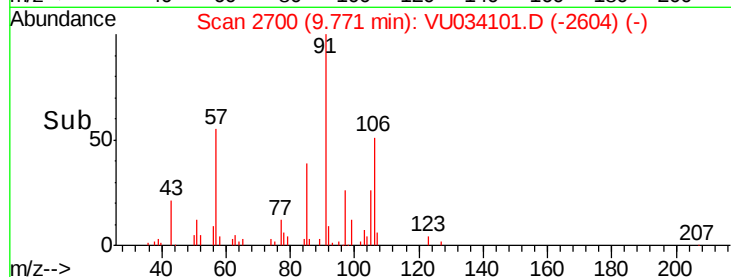
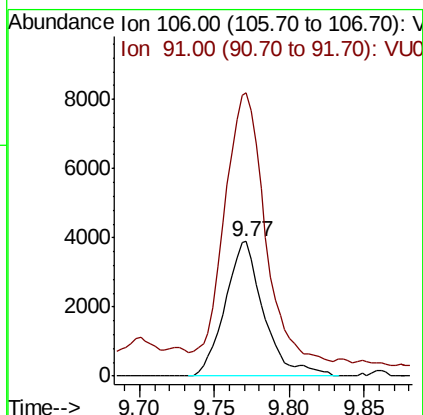
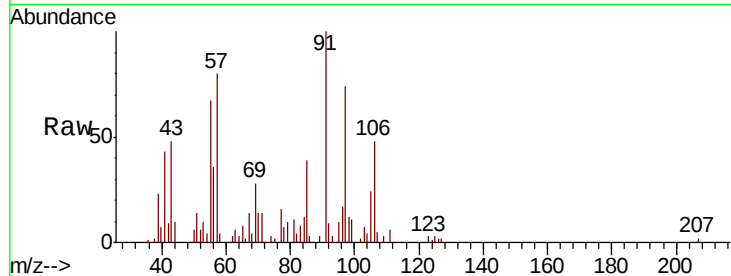




#69
o-Xylene
Concen: 0.689 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.01 min
Lab File: VU034101.D
Acq: 30 Aug 2019 16:17

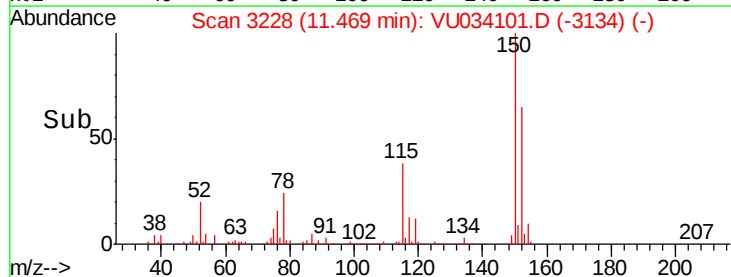
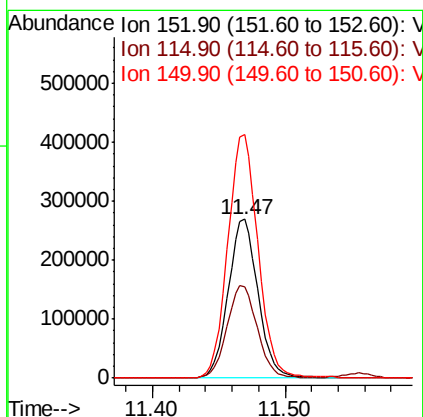
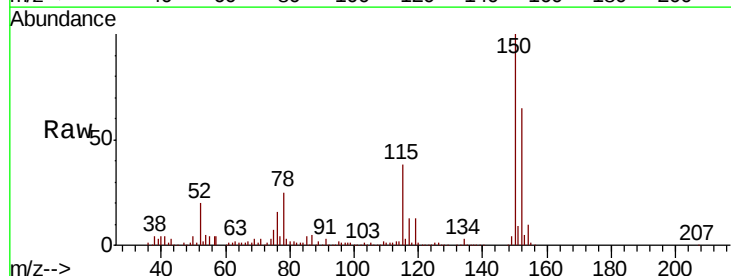
Instrument :
MSVOA_U
ClientSampleId :
BOTTOM-4ME

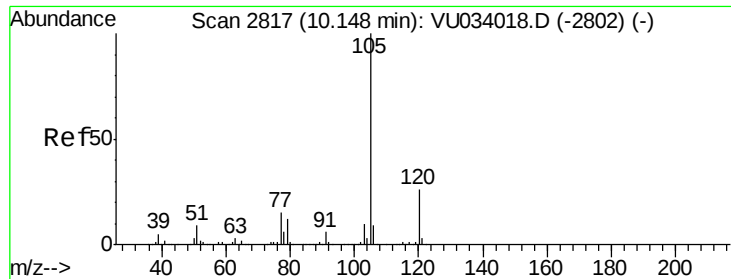
Tgt Ion:106 Resp: 7015
Ion Ratio Lower Upper
106 100
91 210.1 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3228
Delta R.T. 0.00 min
Lab File: VU034101.D
Acq: 30 Aug 2019 16:17

Tgt Ion:152 Resp: 419002
Ion Ratio Lower Upper
152 100
115 58.8 41.1 123.3
150 156.8 0.0 348.8





#73

Isopropylbenzene

Concen: 4.774 ug/l

RT: 10.15 min Scan# 2819

Delta R.T. 0.01 min

Lab File: VU034101.D

Acq: 30 Aug 2019 16:17

Instrument :

MSVOA_U

ClientSampleId :

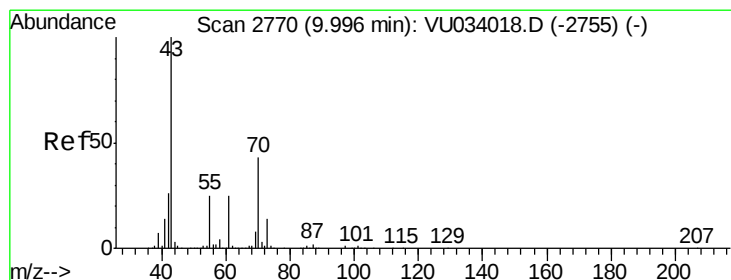
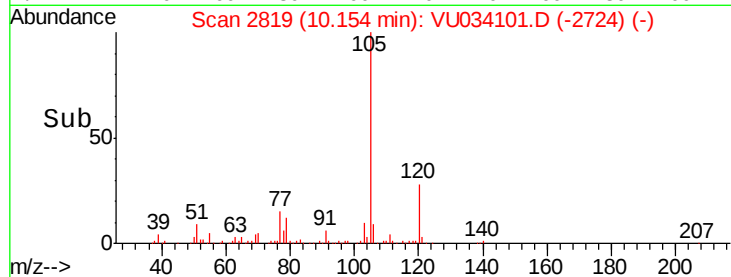
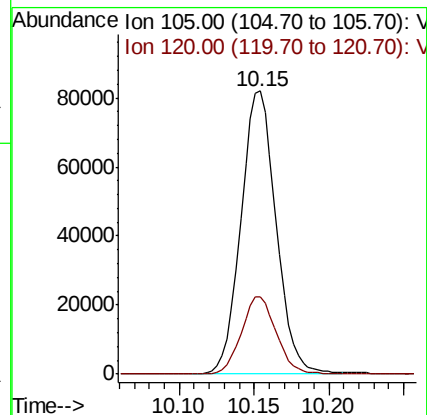
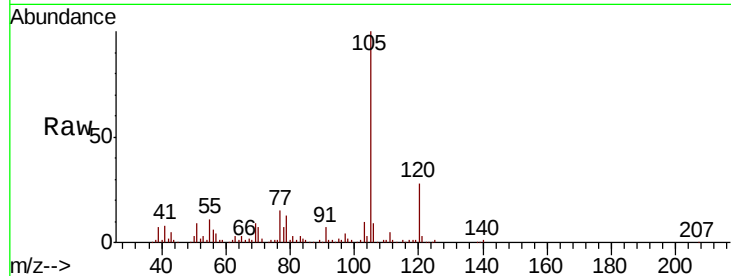
BOTTOM-4ME

Tgt Ion:105 Resp: 134360

Ion Ratio Lower Upper

105 100

120 27.2 13.3 39.8



#74

N-ethyl acetate

Concen: 4.368 ug/l

RT: 10.03 min Scan# 2779

Delta R.T. 0.03 min

Lab File: VU034101.D

Acq: 30 Aug 2019 16:17

Tgt Ion: 43 Resp: 51710

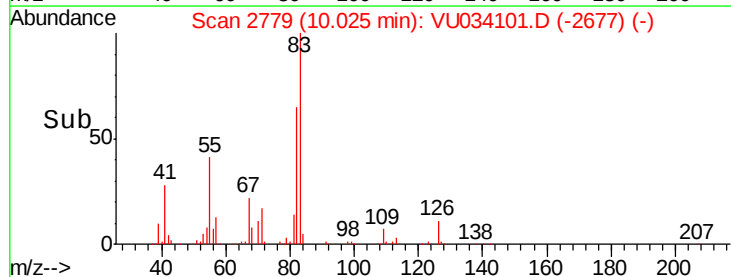
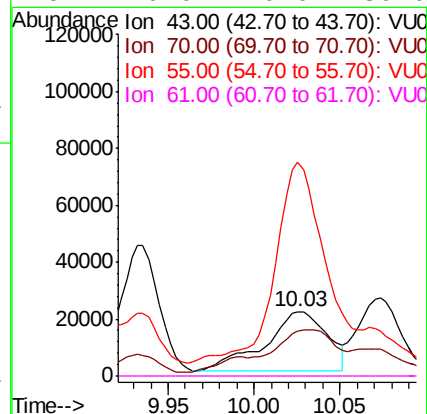
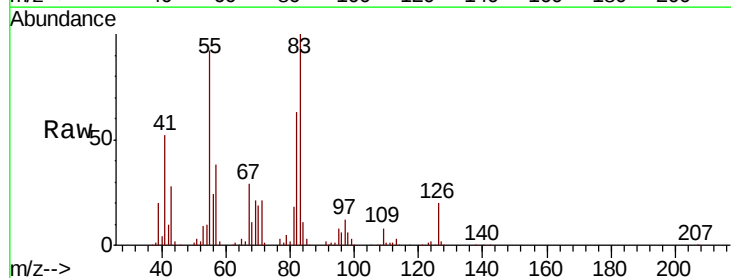
Ion Ratio Lower Upper

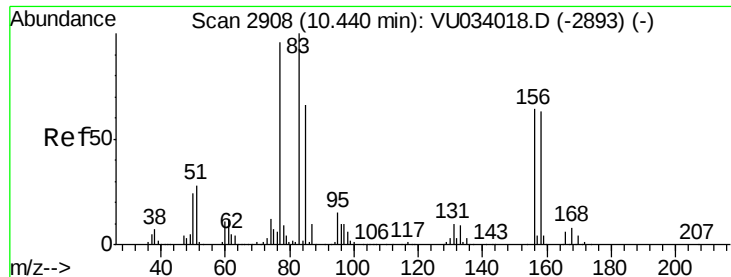
43 100

70 33.8 35.2 52.8#

55 273.6 20.5 30.7#

61 0.0 20.0 30.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 3.778 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. 0.03 min

Lab File: VU034101.D

Acq: 30 Aug 2019 16:17

Instrument :

MSVOA_U

ClientSampleId :

BOTTOM-4ME

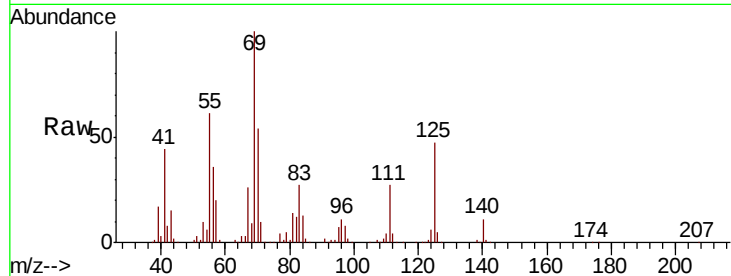
Tgt Ion: 83 Resp: 40697

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

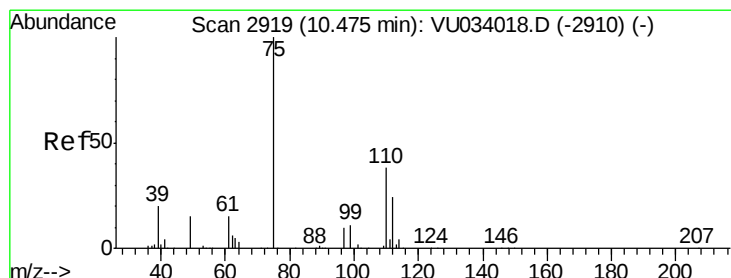
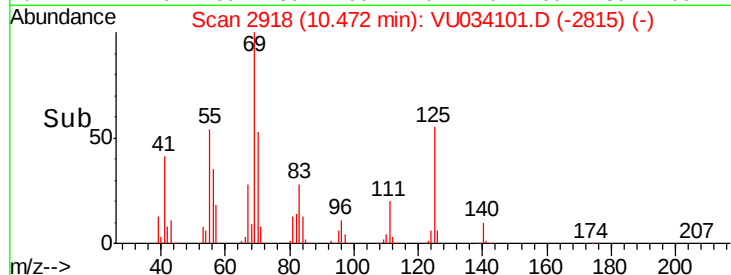
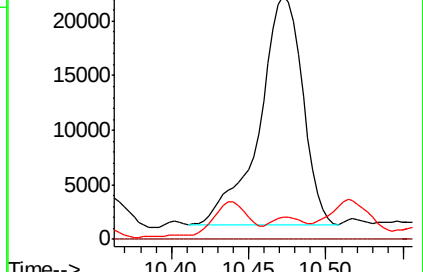
85 6.2 32.2 96.6#



Abundance Ion 82.90 (82.60 to 83.60): VU034101.D (-2893) (-)

Ion 130.80 (130.50 to 131.50): VU034101.D (-2893) (-)

Ion 84.90 (84.60 to 85.60): VU034101.D (-2893) (-)



#76

1,2,3-Trichloropropane

Concen: 20.754 ug/l

RT: 10.30 min Scan# 2863

Delta R.T. -0.18 min

Lab File: VU034101.D

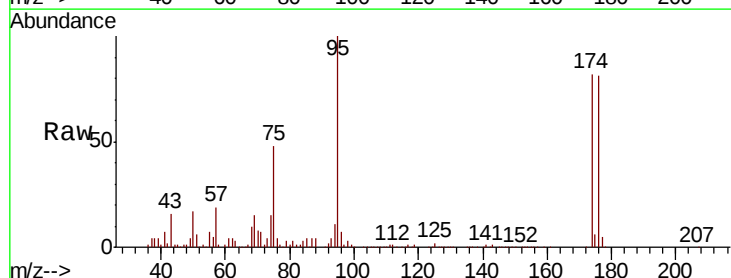
Acq: 30 Aug 2019 16:17

Tgt Ion: 75 Resp: 195992

Ion Ratio Lower Upper

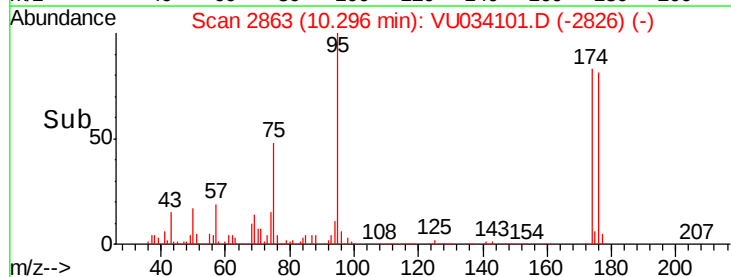
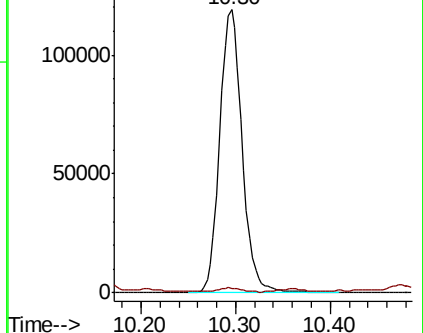
75 100

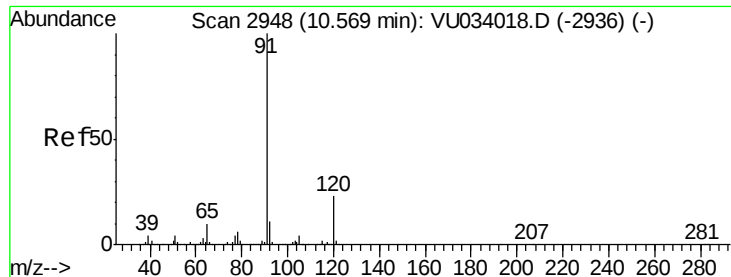
77 1.4 20.1 60.2#



Abundance Ion 74.90 (74.60 to 75.60): VU034101.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU034101.D (-2826) (-)





#78

n-propylbenzene

Concen: 8.872 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU034101.D

Acq: 30 Aug 2019 16:17

Instrument :

MSVOA_U

ClientSampleId :

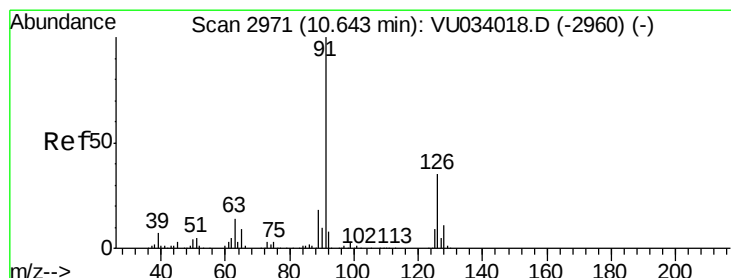
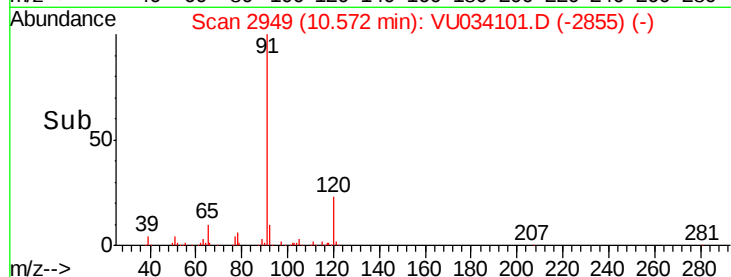
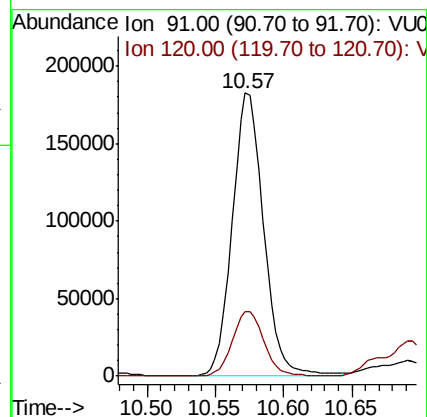
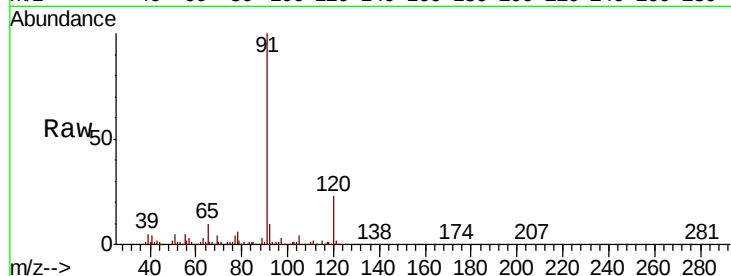
BOTTOM-4ME

Tgt Ion: 91 Resp: 290803

Ion Ratio Lower Upper

91 100

120 23.3 11.7 35.0



#79

2-Chlorotoluene

Concen: 1.058 ug/l

RT: 10.69 min Scan# 2986

Delta R.T. 0.05 min

Lab File: VU034101.D

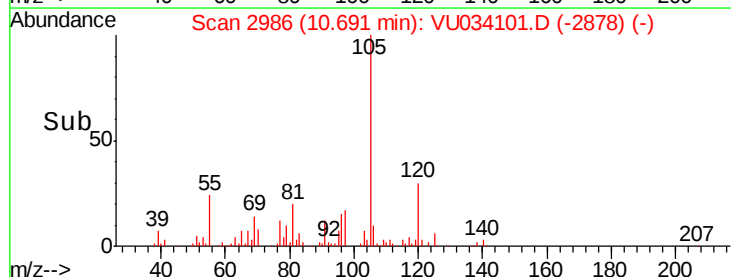
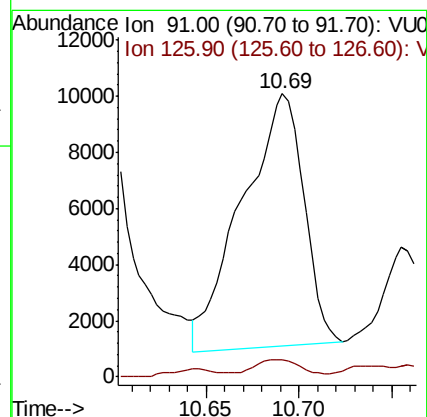
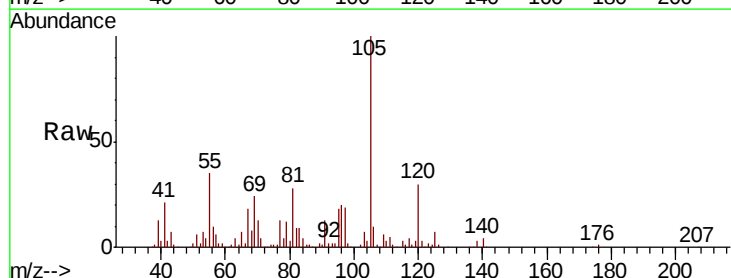
Acq: 30 Aug 2019 16:17

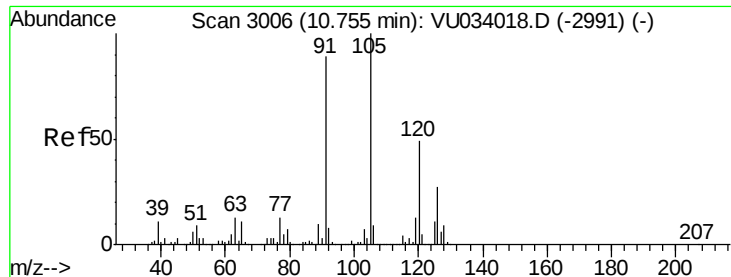
Tgt Ion: 91 Resp: 20808

Ion Ratio Lower Upper

91 100

126 3.6 17.1 51.2#





#80

1,3,5-Trimethylbenzene

Concen: 2.224 ug/l

RT: 10.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU034101.D

Acq: 30 Aug 2019 16:17

Instrument :

MSVOA_U

ClientSampleId :

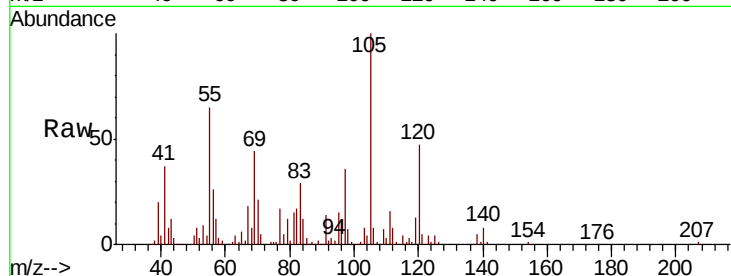
BOTTOM-4ME

Tgt Ion:105 Resp: 53061

Ion Ratio Lower Upper

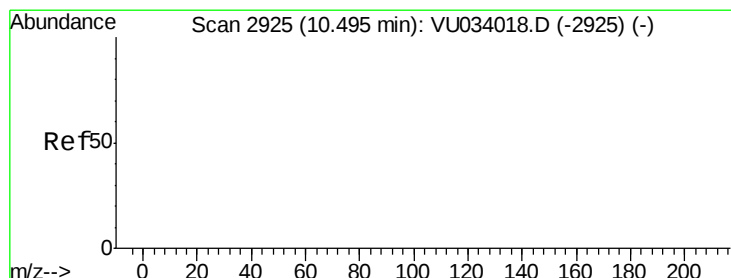
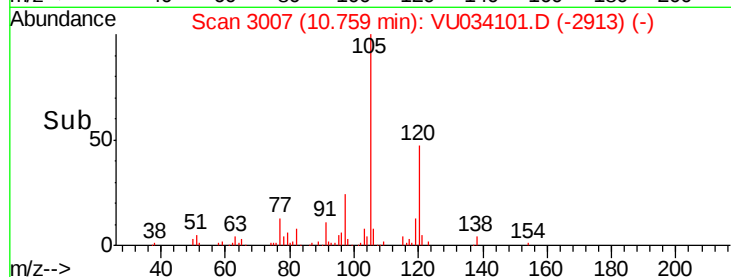
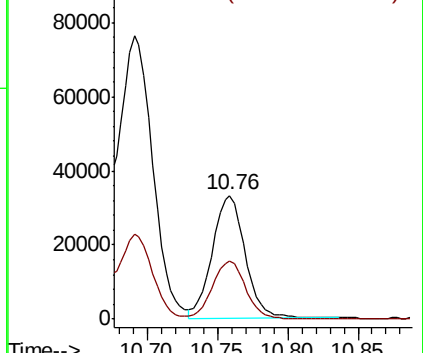
105 100

120 47.7 24.6 73.6



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: 69.884 ug/l

RT: 10.30 min Scan# 2863

Delta R.T. -0.20 min

Lab File: VU034101.D

Acq: 30 Aug 2019 16:17

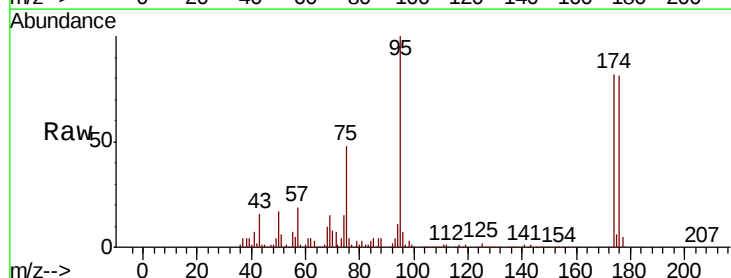
Tgt Ion: 75 Resp: 195992

Ion Ratio Lower Upper

75 100

53 1.7 0.0 0.0#

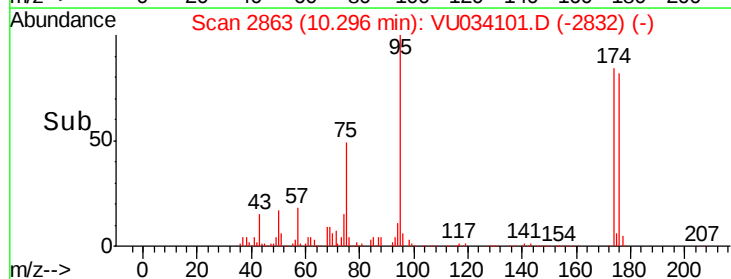
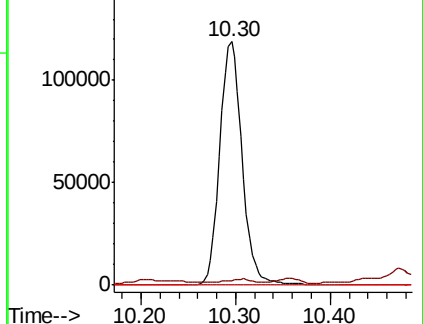
89 0.0 0.0 0.0

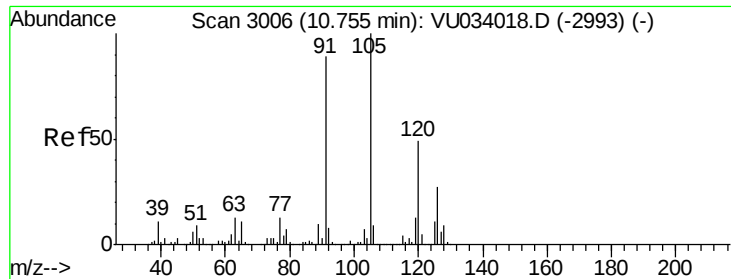


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

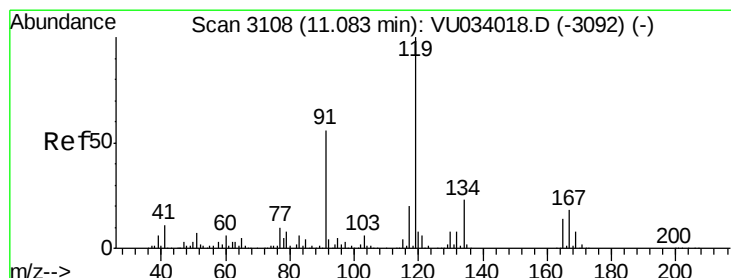
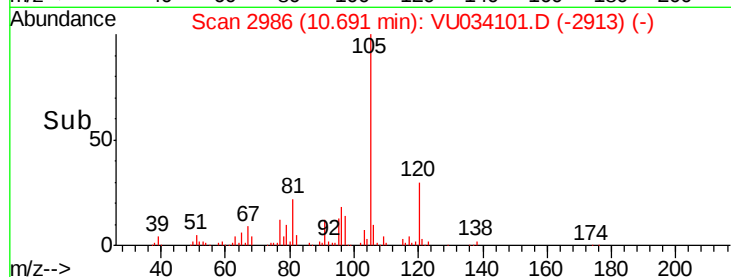
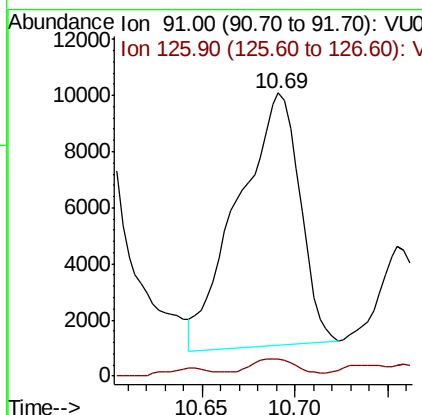
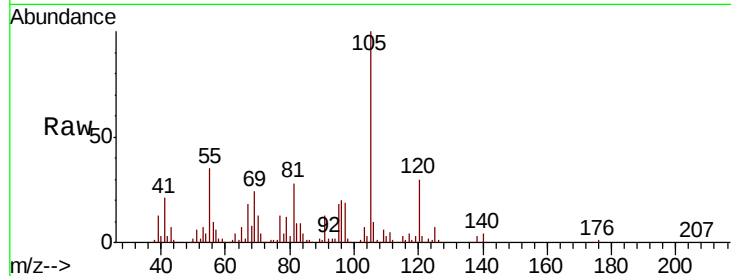




#82
4-Chlorotoluene
Concen: 0.920 ug/l
RT: 10.69 min Scan# 2986
Delta R.T. -0.06 min
Lab File: VU034101.D
Acq: 30 Aug 2019 16:17

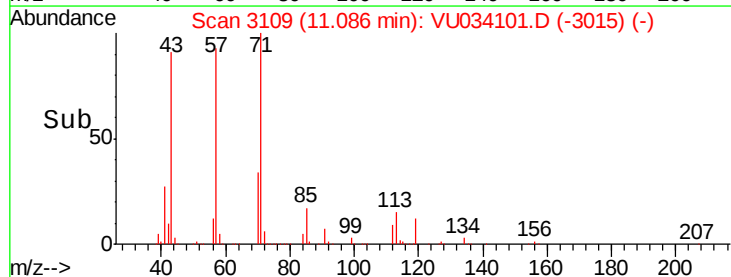
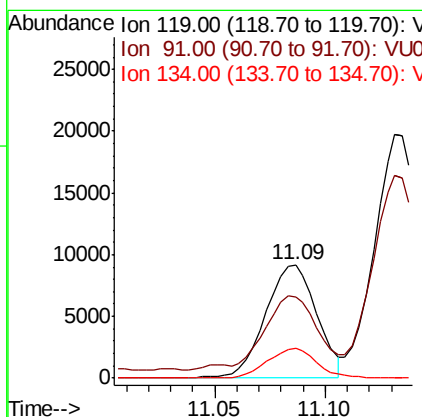
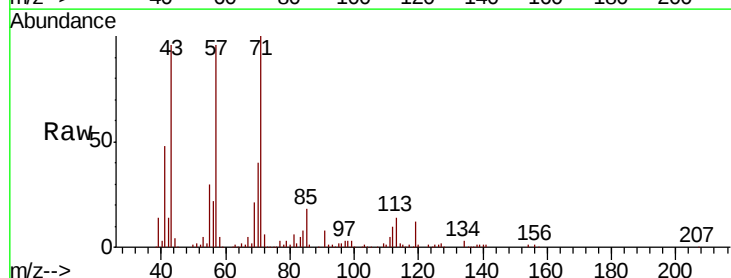
Instrument :
MSVOA_U
ClientSampleId :
BOTTOM-4ME

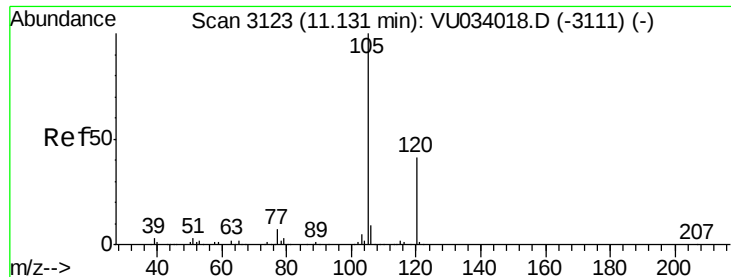
Tgt Ion: 91 Resp: 20808
Ion Ratio Lower Upper
91 100
126 3.6 15.0 45.1#



#83
tert-Butylbenzene
Concen: 0.631 ug/l
RT: 11.09 min Scan# 3109
Delta R.T. 0.00 min
Lab File: VU034101.D
Acq: 30 Aug 2019 16:17

Tgt Ion: 119 Resp: 14814
Ion Ratio Lower Upper
119 100
91 58.2 27.9 83.6
134 24.9 11.4 34.2

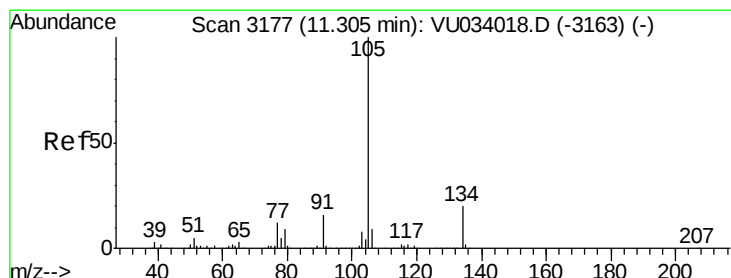
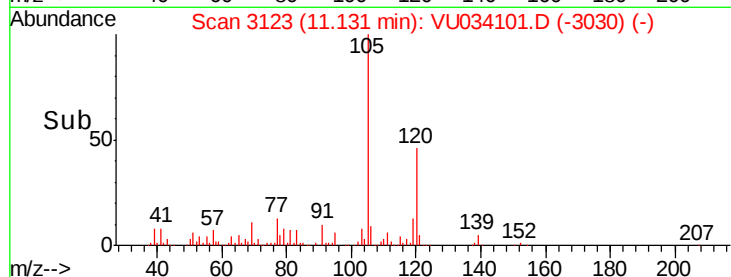
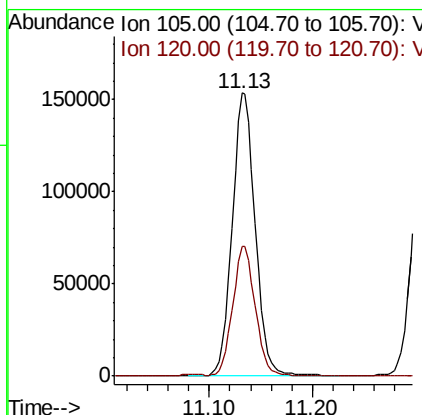
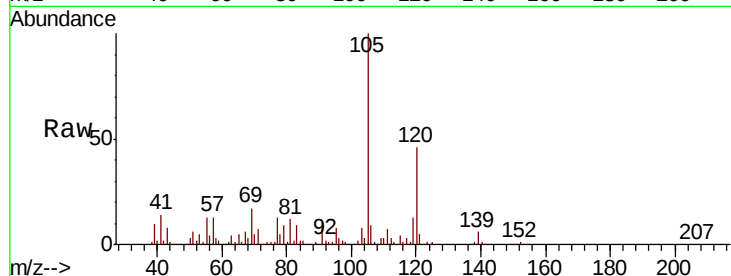




#84
 1,2,4-Trimethylbenzene
 Concen: 10.017 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VU034101.D
 Acq: 30 Aug 2019 16:17

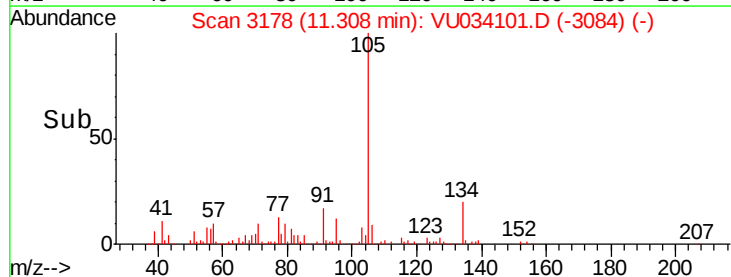
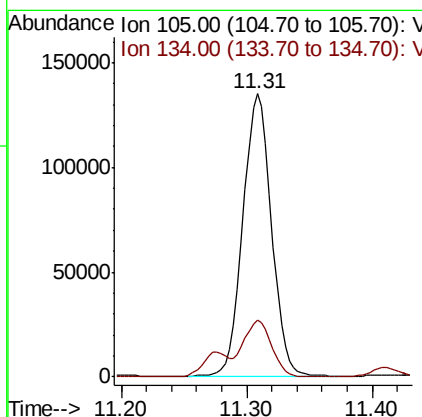
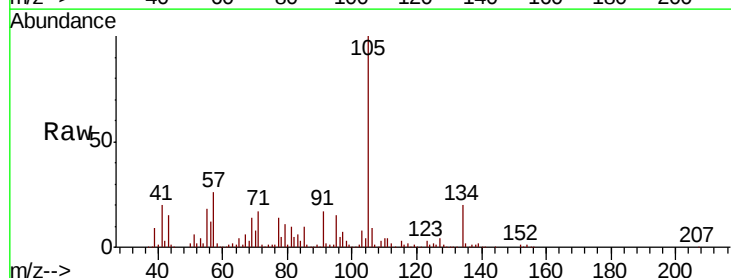
Instrument :
 MSVOA_U
 ClientSampleId :
 BOTTOM-4ME

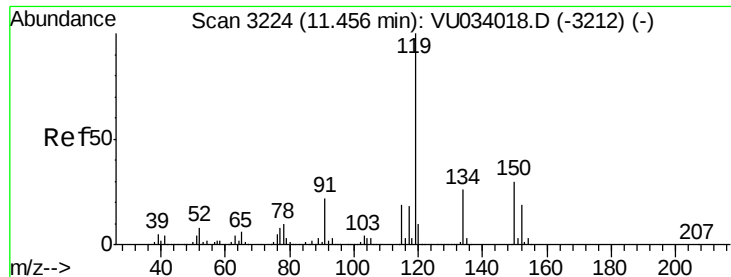
Tgt Ion:105 Resp: 237278
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.6 67.8



#85
 sec-Butylbenzene
 Concen: 7.566 ug/l
 RT: 11.31 min Scan# 3178
 Delta R.T. 0.00 min
 Lab File: VU034101.D
 Acq: 30 Aug 2019 16:17

Tgt Ion:105 Resp: 212955
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.0 30.0

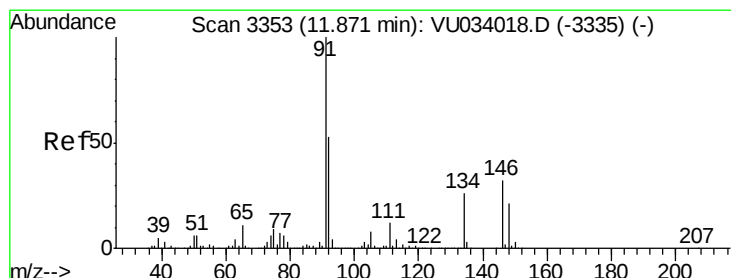
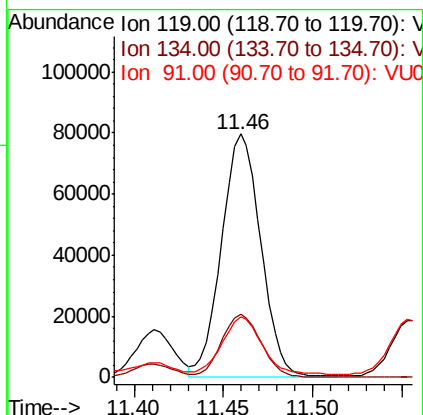
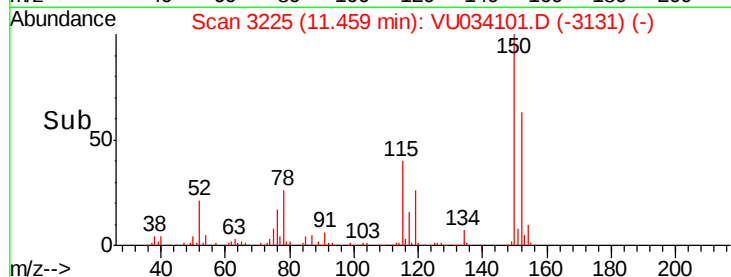
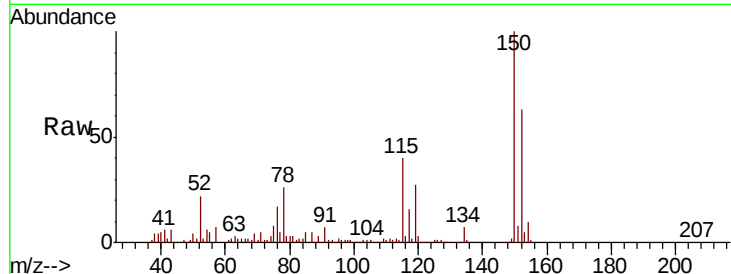




#86
p-Isopropyltoluene
Concen: 4.782 ug/l
RT: 11.46 min Scan# 3225
Delta R.T. 0.00 min
Lab File: VU034101.D
Acq: 30 Aug 2019 16:17

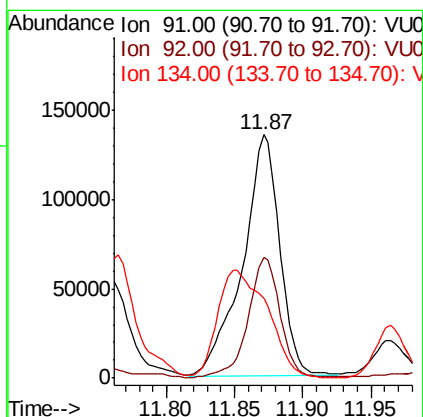
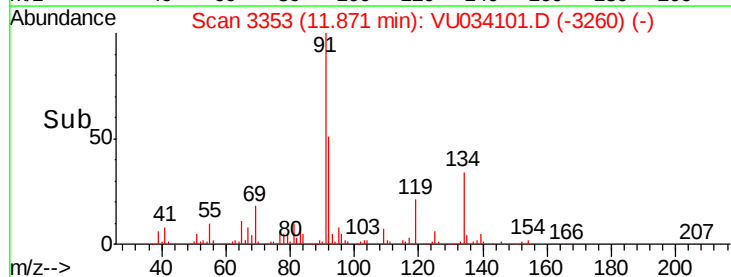
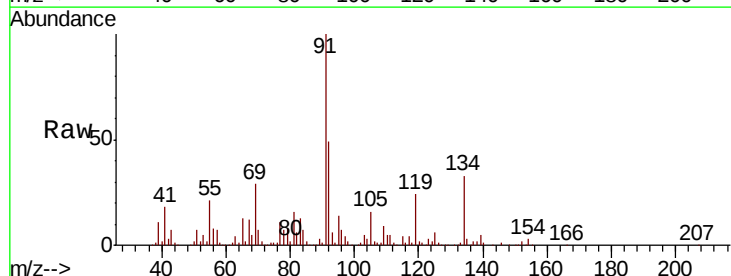
Instrument :
MSVOA_U
ClientSampleId :
BOTTOM-4ME

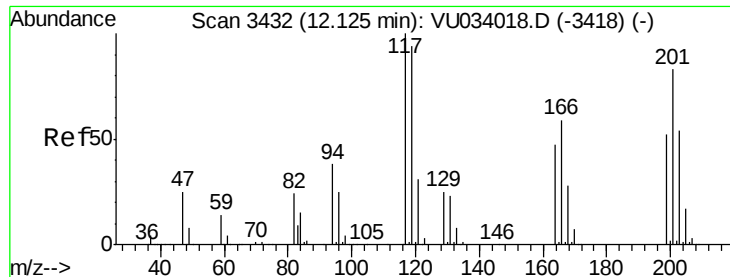
Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.1	39.1
91	23.2	11.2	33.6



#89
n-Butylbenzene
Concen: 11.446 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU034101.D
Acq: 30 Aug 2019 16:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	42.2	26.3	78.9
134	59.1	12.9	38.7#





#90

Hexachloroethane

Concen: 24.296 ug/l

RT: 12.23 min Scan# 3466

Delta R.T. 0.11 min

Lab File: VU034101.D

Acq: 30 Aug 2019 16:17

Instrument :

MSVOA_U

ClientSampleId :

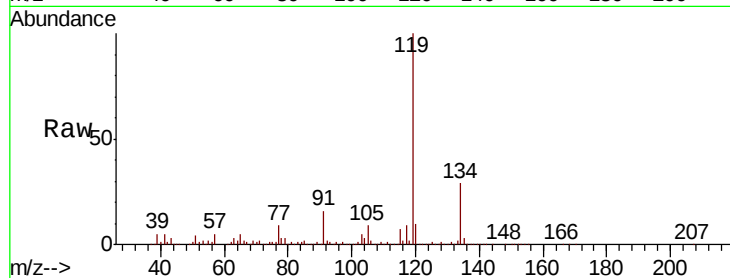
BOTTOM-4ME

Tgt Ion:117 Resp: 106927

Ion Ratio Lower Upper

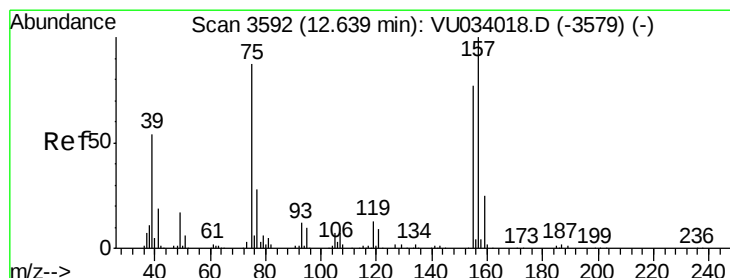
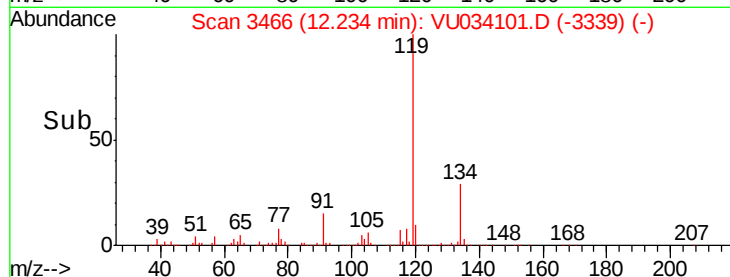
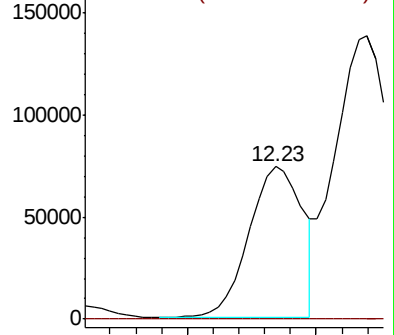
117 100

201 0.0 42.5 127.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.488 ug/l

RT: 12.63 min Scan# 3590

Delta R.T. -0.01 min

Lab File: VU034101.D

Acq: 30 Aug 2019 16:17

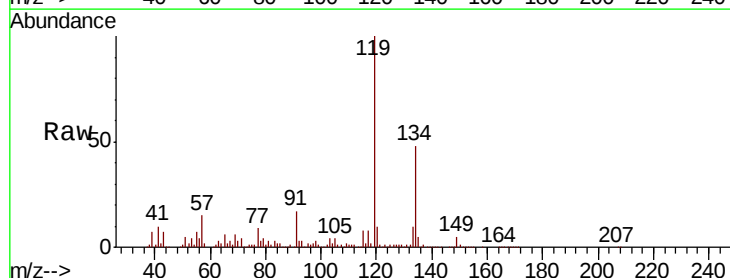
Tgt Ion: 75 Resp: 7485

Ion Ratio Lower Upper

75 100

155 0.0 43.5 130.7#

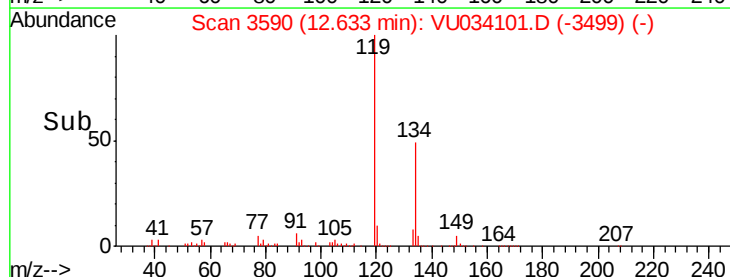
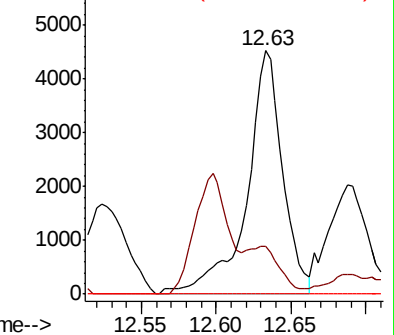
157 0.0 56.9 170.6#

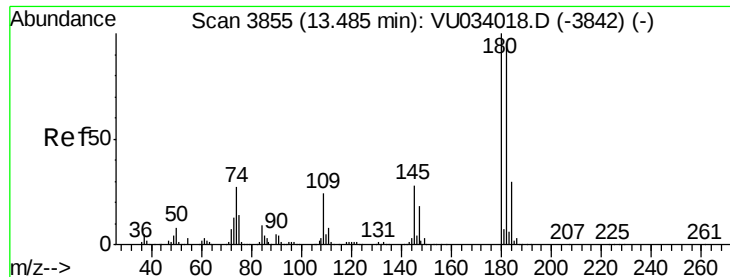


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 1.198 ug/l

RT: 13.48 min Scan# 3854

Delta R.T. -0.00 min

Lab File: VU034101.D

Acq: 30 Aug 2019 16:17

Instrument :

MSVOA_U

ClientSampleId :

BOTTOM-4ME

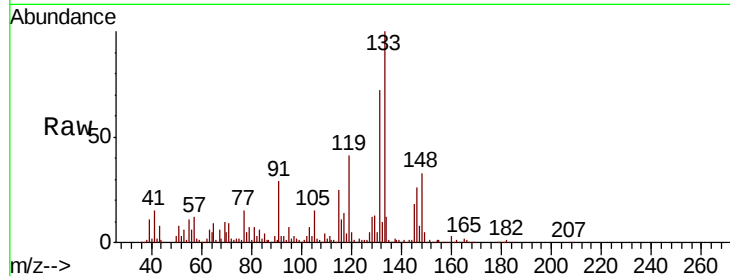
Tgt Ion:180 Resp: 785

Ion Ratio Lower Upper

180 100

182 91.5 47.4 142.2

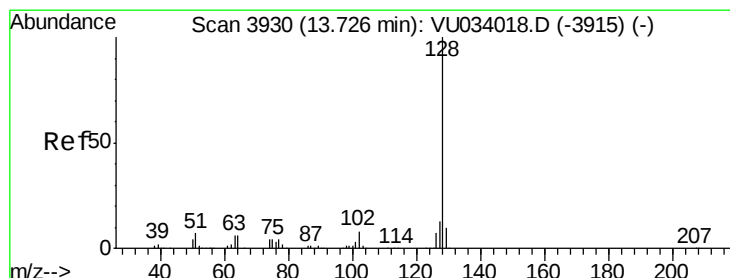
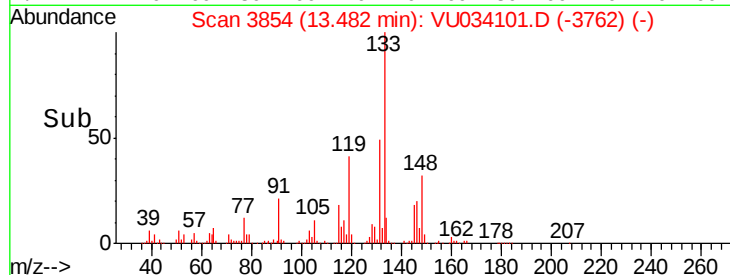
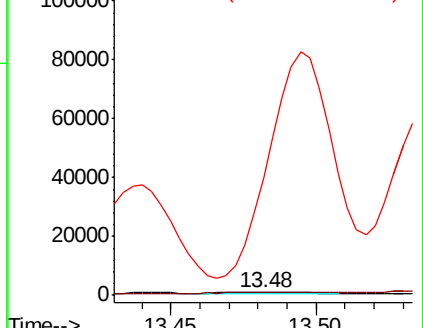
145 15065.1 14.1 42.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 124.786 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU034101.D

Acq: 30 Aug 2019 16:17

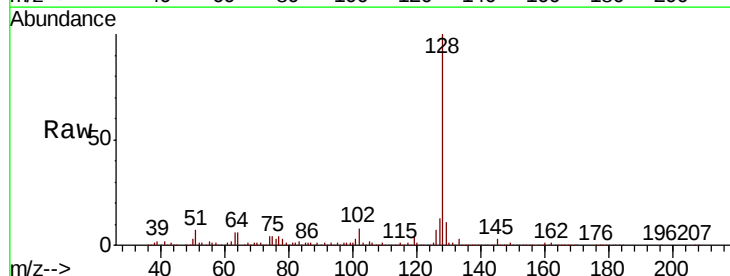
Tgt Ion:128 Resp: 3336187

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

129 11.6 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

