

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090219\
 Data File : VU034183.D
 Acq On : 01 Sep 2019 20:45
 Operator : JC/SP
 Sample : K4648-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 02 08:36:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	439861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	728207	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	701686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	377306	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	280259	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
35) Dibromofluoromethane	4.86	113	238590	47.24	ug/l	0.00
Spiked Amount			Recovery	=	94.48%	
50) Toluene-d8	7.55	98	934149	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	10.29	95	340960	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	784	Below Cal		92
5) Bromomethane	1.57	94	20	Below Cal	#	2
11) Tert butyl alcohol	2.81	59	664568	511.317	ug/l	100
13) Acrolein	2.18	56	395	0.722	ug/l #	1
14) Allyl chloride	2.69	41	46413	5.606	ug/l #	63
15) Acrylonitrile	2.98	53	5042	1.691	ug/l #	30
16) Acetone	2.31	43	27470	9.552	ug/l #	79
17) Carbon Disulfide	2.48	76	3008	0.216	ug/l #	82
18) Methyl Acetate	2.69	43	115785	15.580	ug/l #	51
19) Methyl tert-butyl Ether	2.98	73	394374	27.334	ug/l #	88
20) Methylene Chloride	2.69	84	2322	0.427	ug/l #	17
22) Diisopropyl ether	3.56	45	31314	2.064	ug/l #	84
23) Vinyl Acetate	3.55	43	15738	1.208	ug/l #	72
24) 1,1-Dichloroethane	3.43	63	1794	0.200	ug/l #	84
25) 2-Butanone	4.20	43	4261	1.065	ug/l #	48
30) Chloroform	4.71	83	2727	0.305	ug/l	91
31) Cyclohexane	4.97	56	48249	5.733	ug/l #	86
36) 1,1-Dichloropropene	4.96	75	31868	4.627	ug/l #	49
38) Carbon Tetrachloride	4.96	117	40142	6.038	ug/l #	16
39) Methylcyclohexane	6.40	83	31705	3.905	ug/l	94
40) Benzene	5.37	78	586942	28.165	ug/l	99
42) 1,2-Dichloroethane	5.37	62	5430	0.755	ug/l	86
43) Isopropyl Acetate	5.52	43	31185	2.658	ug/l #	59
48) Methyl methacrylate	6.62	41	2366	0.418	ug/l #	9
52) Toluene	7.62	92	52258	4.071	ug/l	99
55) 1,1,2-Trichloroethane	8.03	97	5723	1.054	ug/l #	20
56) Ethyl methacrylate	8.02	69	659	1.043	ug/l #	1
59) 2-Hexanone	8.35	43	5646	0.923	ug/l #	49
67) Ethyl Benzene	9.23	91	1829708	74.750	ug/l	100
68) m/p-Xylenes	9.36	106	921086	98.963	ug/l	99
69) o-Xylene	9.76	106	301847	33.804	ug/l	98
70) Styrene	9.76	104	16771	1.095	ug/l #	1
73) Isopropylbenzene	10.15	105	202482	7.990	ug/l	99
74) N-ethyl acetate	9.93	43	3567	0.335	ug/l #	1

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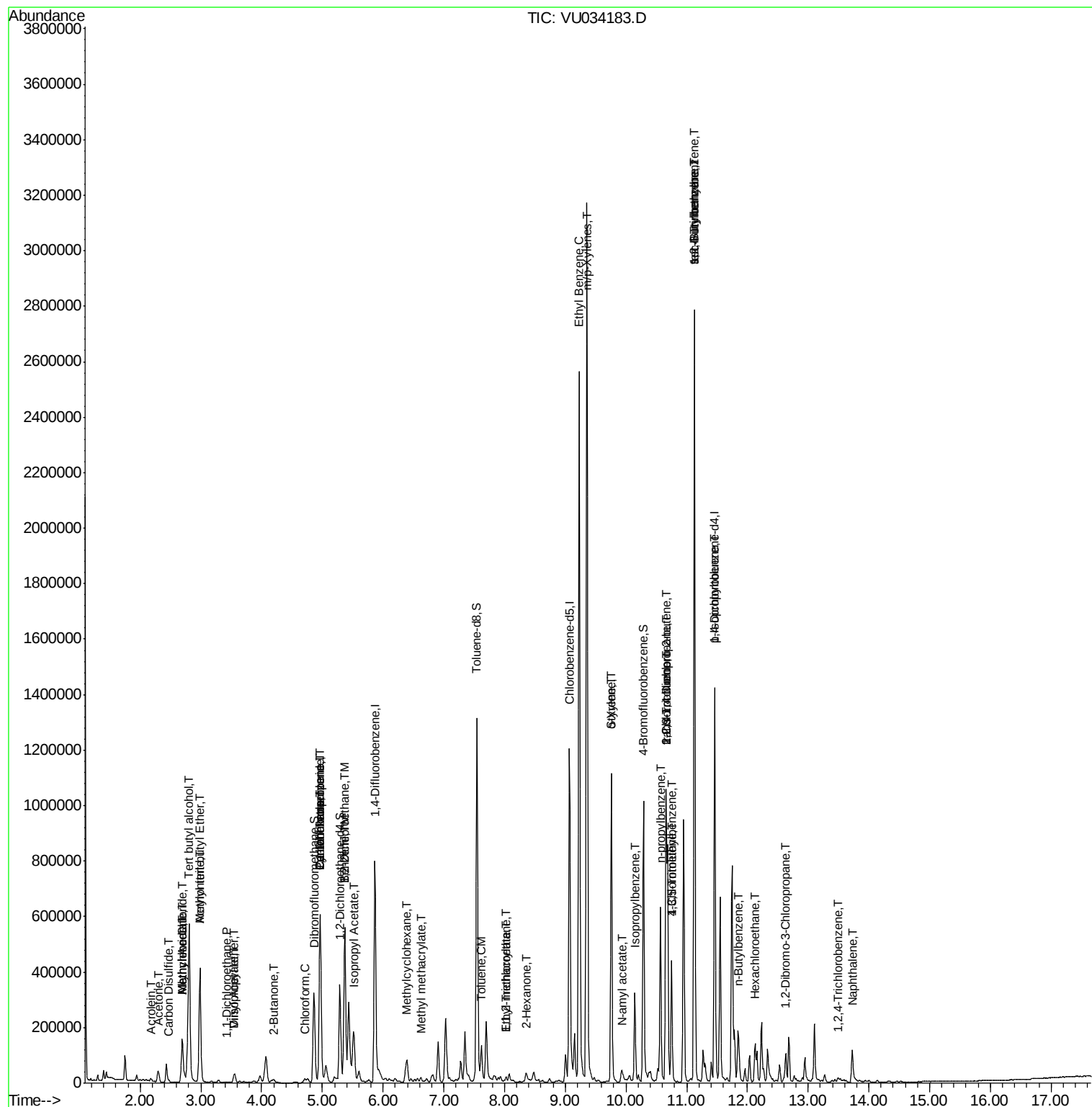
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
76) 1,2,3-Trichloropropane	10.66	75	5885	0.692	ug/l	#	1
78) n-propylbenzene	10.57	91	478175	16.201	ug/l		99
79) 2-Chlorotoluene	10.66	91	77274	4.365	ug/l	#	41
80) 1,3,5-Trimethylbenzene	10.75	105	239169	11.134	ug/l		99
81) trans-1,4-Dichloro-2-buten	10.66	75	5885	2.330	ug/l	#	100
82) 4-Chlorotoluene	10.75	91	24014	1.179	ug/l	#	45
83) tert-Butylbenzene	11.13	119	189650	8.969	ug/l	#	63
84) 1,2,4-Trimethylbenzene	11.13	105	1527965	71.637	ug/l		99
85) sec-Butylbenzene	11.13	105	1527965	60.289	ug/l	#	56
86) p-Isopropyltoluene	11.46	119	11827	0.516	ug/l		90
89) n-Butylbenzene	11.86	91	36921	1.827	ug/l	#	27
90) Hexachloroethane	12.13	117	7715	1.947	ug/l	#	7
92) 1,2-Dibromo-3-Chloropropan	12.63	75	435	0.225	ug/l	#	1
93) 1,2,4-Trichlorobenzene	13.49	180	304	1.150	ug/l	#	1
95) Naphthalene	13.73	128	119822	6.696	ug/l		99

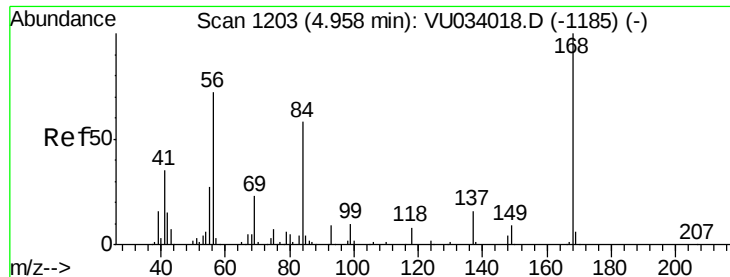
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034183.D

Acq: 01 Sep 2019 20:45

Instrument :

MSVOA_U

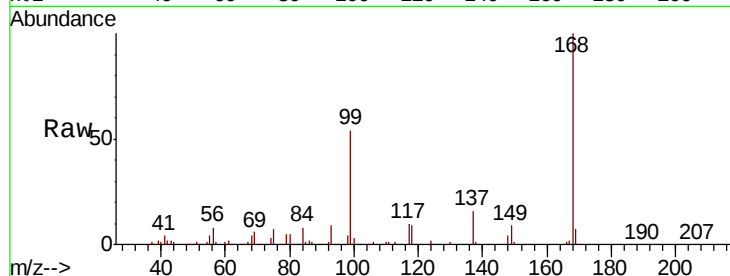
ClientSampleId :

Tot Ion:168 Resp: 439861

Ion Ratio Lower Upper

168 100

99 54.1 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034183.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034183.D (-1185) (-)

4.96

200000

150000

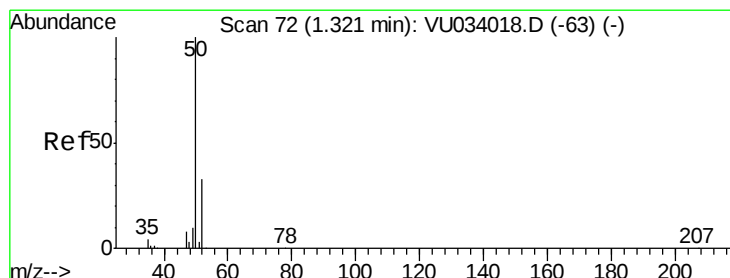
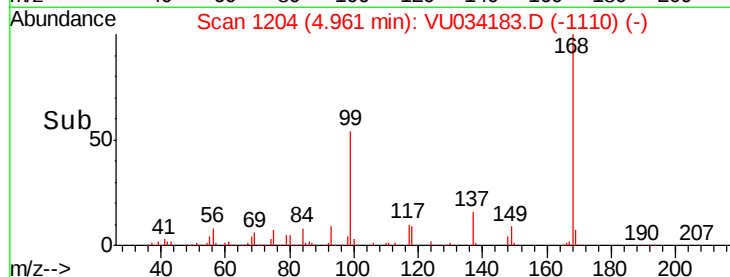
100000

50000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034183.D

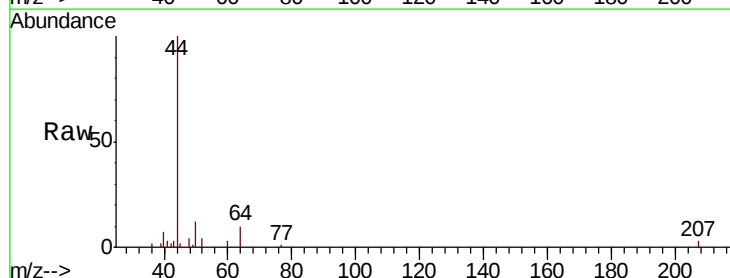
Acq: 01 Sep 2019 20:45

Tgt Ion: 50 Resp: 784

Ion Ratio Lower Upper

50 100

52 37.6 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU034183.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU034183.D (-1) (-)

1.32

800

600

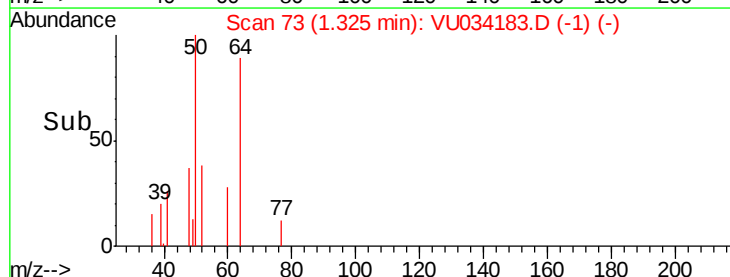
400

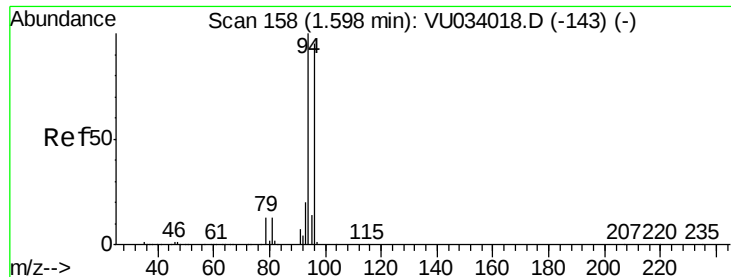
200

0

1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.57 min Scan# 148

Delta R.T. -0.03 min

Lab File: VU034183.D

Acq: 01 Sep 2019 20:45

Instrument :

MSVOA_U

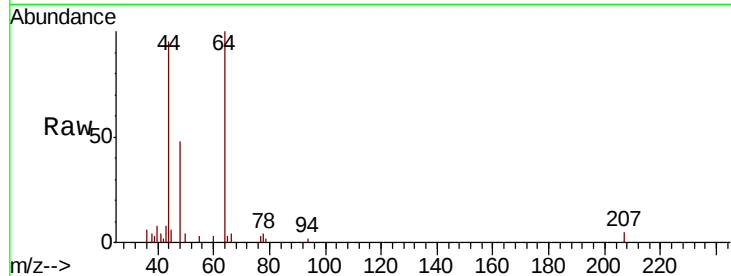
ClientSampleId :

Tot Ion: 94 Resp: 20

Ion Ratio Lower Upper

94 100

96 0.0 76.3 114.5#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.57

100

80

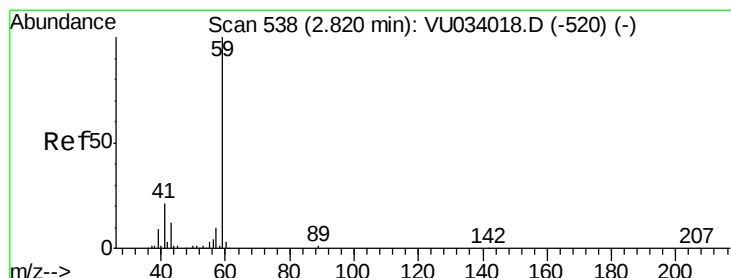
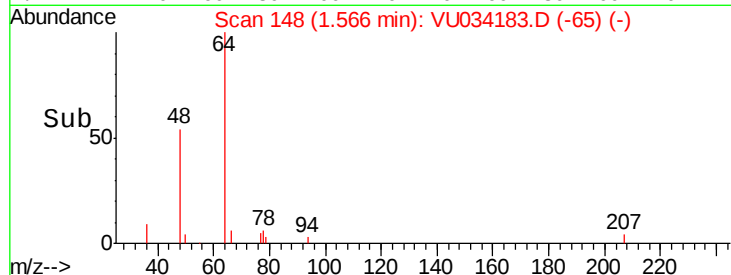
60

40

20

0

Time-->



#11

Tert butyl alcohol

Concen: 511.317 ug/l

RT: 2.81 min Scan# 534

Delta R.T. -0.01 min

Lab File: VU034183.D

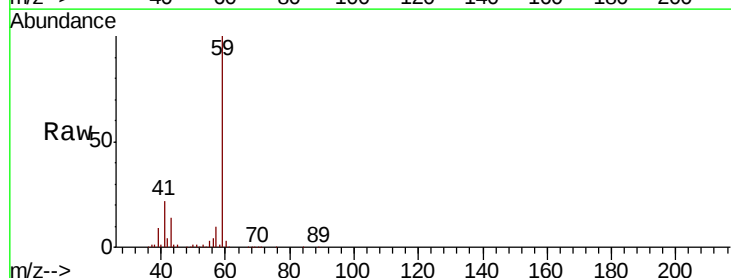
Acq: 01 Sep 2019 20:45

Tgt Ion: 59 Resp: 664568

Ion Ratio Lower Upper

59 100

57 9.9 8.0 12.0



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.81

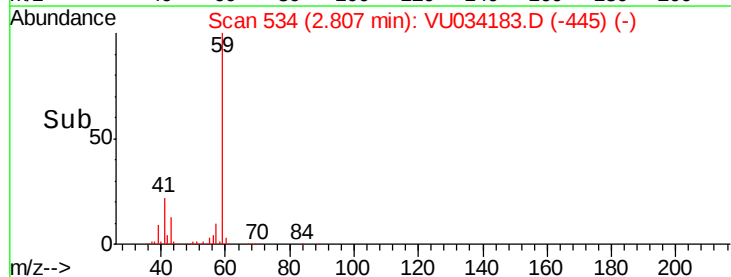
300000

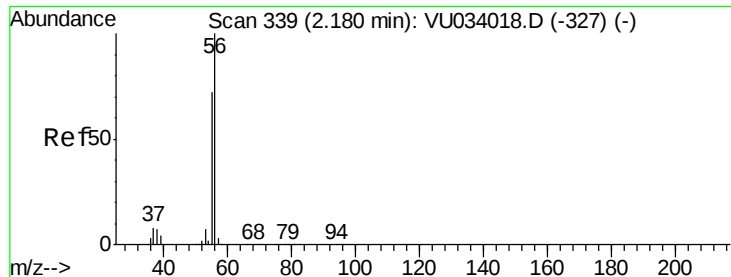
200000

100000

0

Time-->





#13

Acrolein

Concen: 0.722 ug/l

RT: 2.18 min Scan# 339

Delta R.T. -0.00 min

Lab File: VU034183.D

Acq: 01 Sep 2019 20:45

Instrument :

MSVOA_U

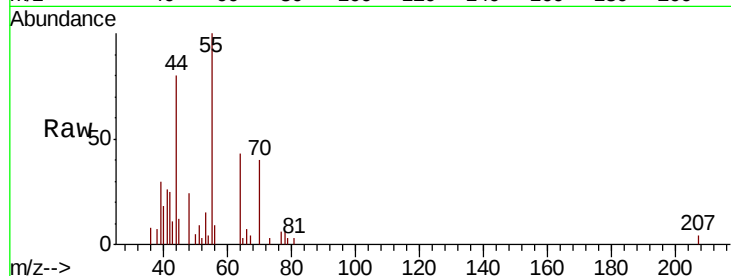
ClientSampleId :

Tot Ion: 56 Resp: 395

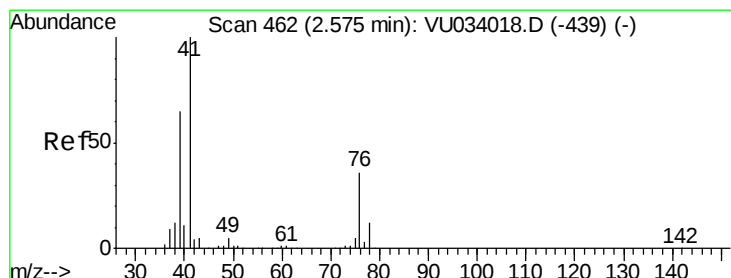
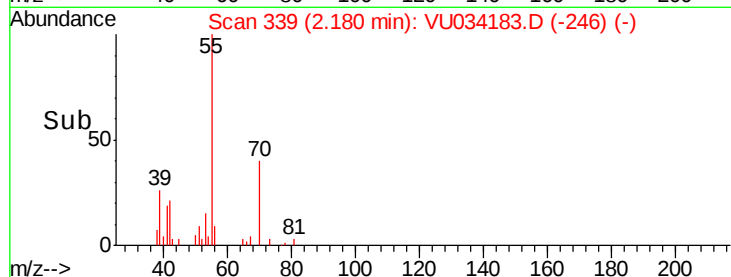
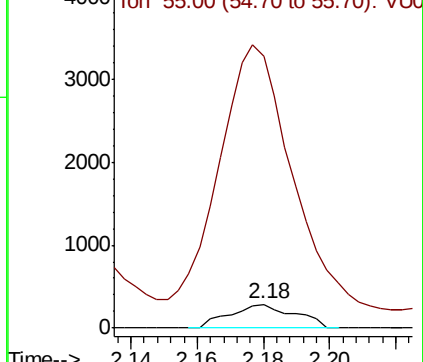
Ion Ratio Lower Upper

56 100

55 1245.3 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VU034183.D (-327) (-)



#14

Allyl chloride

Concen: 5.606 ug/l

RT: 2.69 min Scan# 499

Delta R.T. 0.12 min

Lab File: VU034183.D

Acq: 01 Sep 2019 20:45

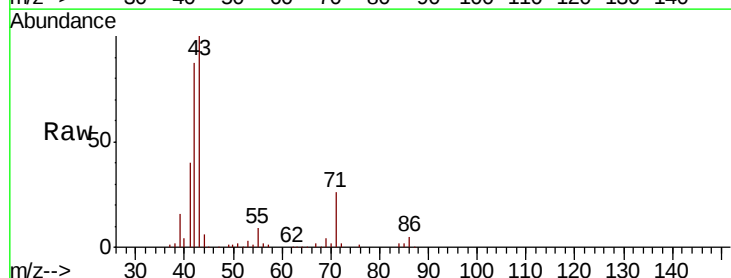
Tgt Ion: 41 Resp: 46413

Ion Ratio Lower Upper

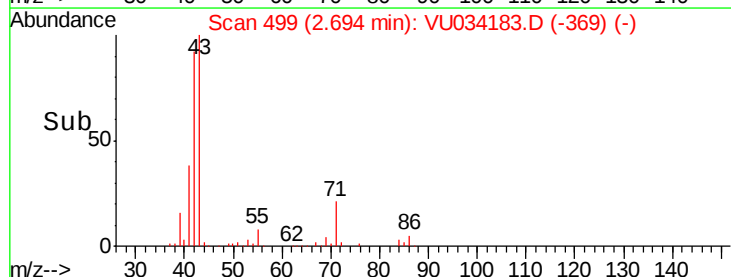
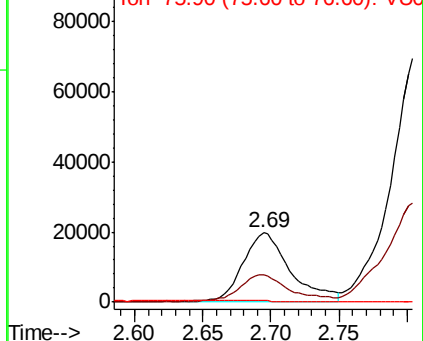
41 100

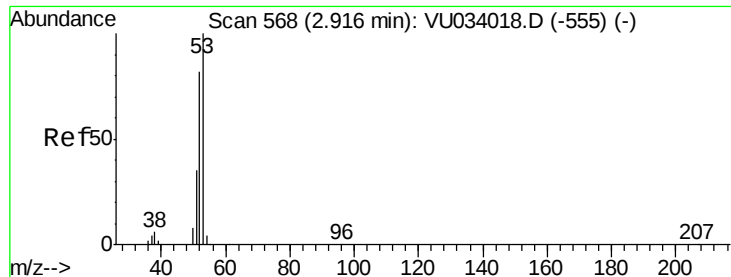
39 40.7 46.8 70.2#

76 0.0 26.6 40.0#



Abundance Ion 41.00 (40.70 to 41.70): VU034183.D (-439) (-)





#15

Acrylonitrile

Concen: 1.691 ug/l

RT: 2.98 min Scan# 588

Delta R.T. 0.06 min

Lab File: VU034183.D

Acq: 01 Sep 2019 20:45

Instrument :

MSVOA_U

ClientSampleId :

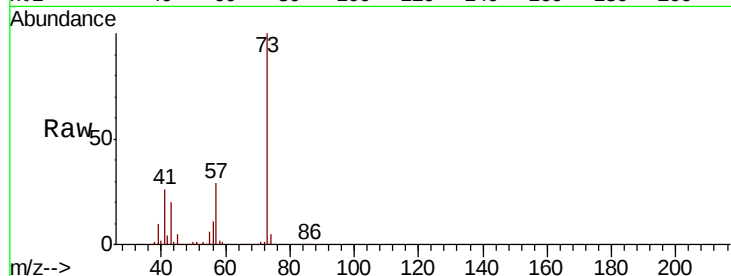
Tot Ion: 53 Resp: 5042

Ion Ratio Lower Upper

53 100

52 18.3 65.7 98.5#

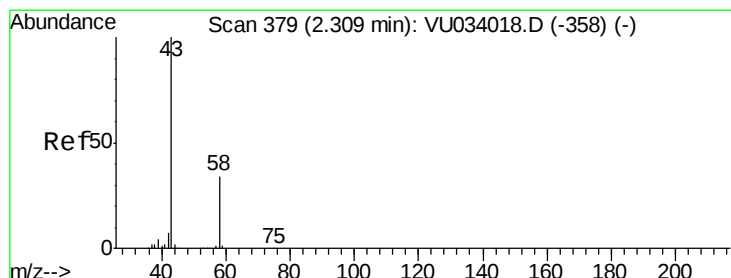
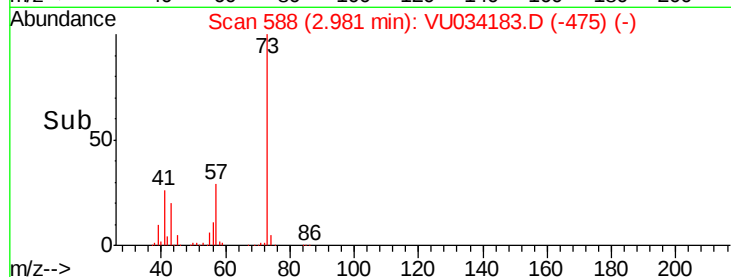
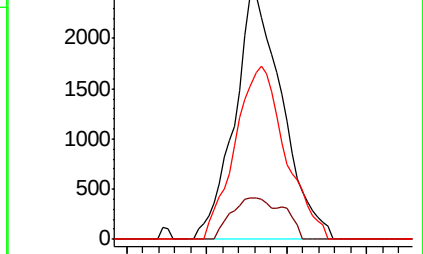
51 73.4 27.9 41.9#



Abundance Ion 53.00 (52.70 to 53.70): VU034183.D (-555) (-)

Ion 52.00 (51.70 to 52.70): VU034183.D (-555) (-)

Ion 51.00 (50.70 to 51.70): VU034183.D (-555) (-)



#16

Acetone

Concen: 9.552 ug/l

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU034183.D

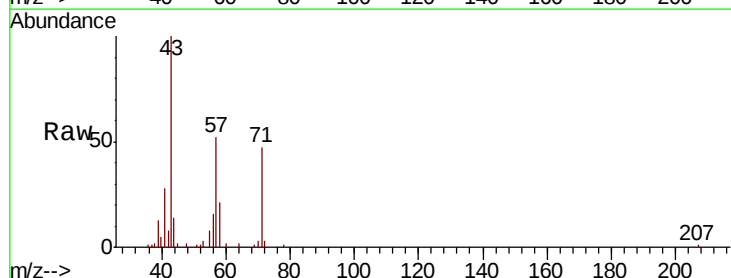
Acq: 01 Sep 2019 20:45

Tgt Ion: 43 Resp: 27470

Ion Ratio Lower Upper

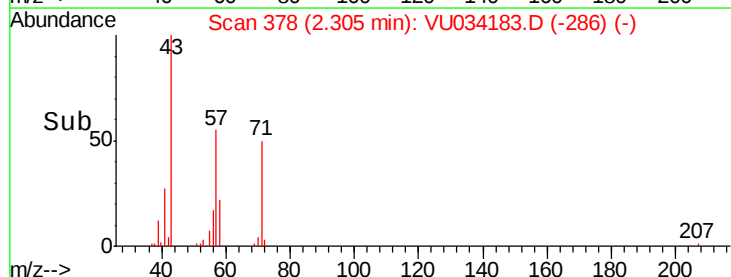
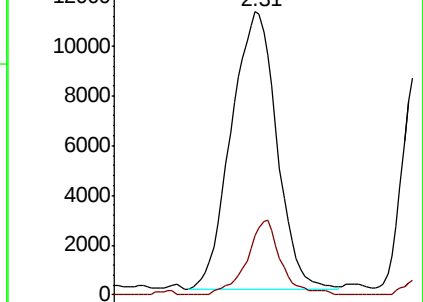
43 100

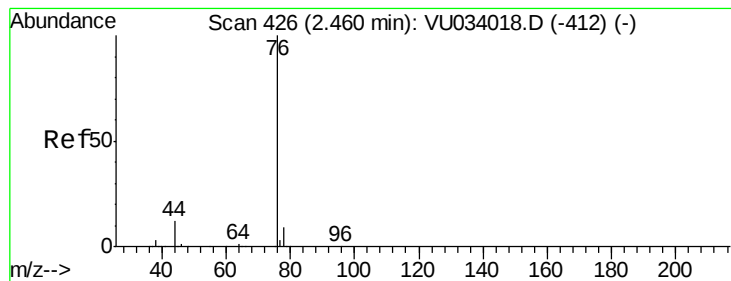
58 21.3 26.8 40.2#



Abundance Ion 43.00 (42.70 to 43.70): VU034183.D (-286) (-)

Ion 58.00 (57.70 to 58.70): VU034183.D (-286) (-)





#17

Carbon Disulfide

Concen: 0.216 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.02 min

Lab File: VU034183.D

Acq: 01 Sep 2019 20:45

Instrument :

MSVOA_U

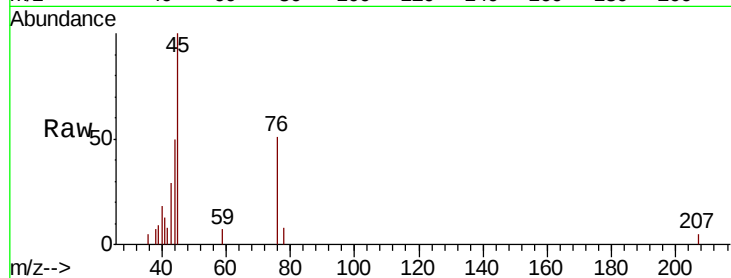
ClientSampleId :

Tot Ion: 76 Resp: 3008

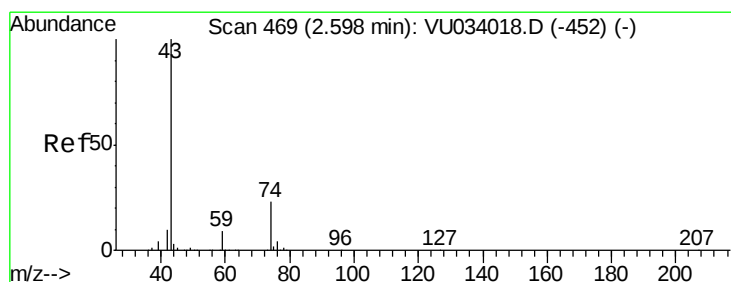
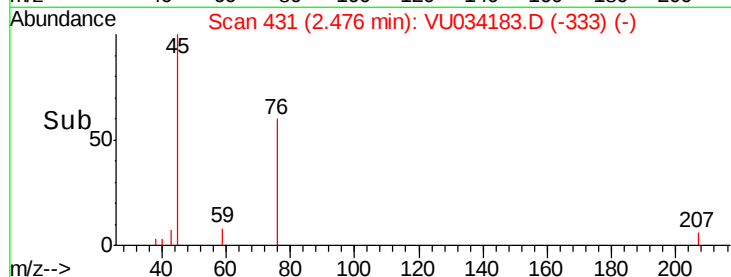
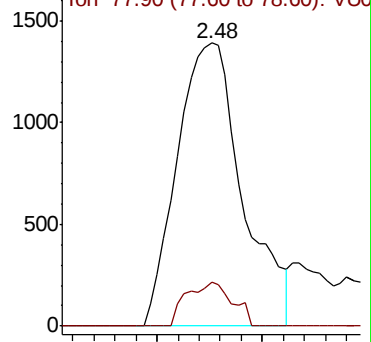
Ion Ratio Lower Upper

76 100

78 15.4 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VU034183.D (-412) (-)



#18

Methyl Acetate

Concen: 15.580 ug/l

RT: 2.69 min Scan# 499

Delta R.T. 0.10 min

Lab File: VU034183.D

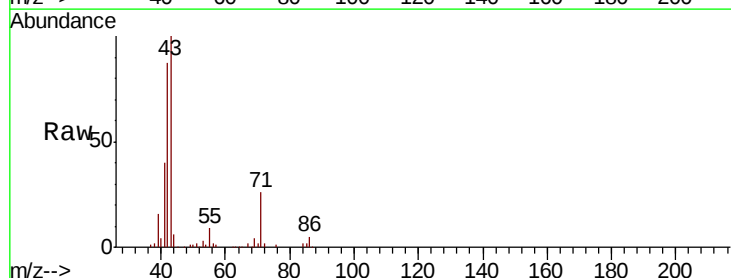
Acq: 01 Sep 2019 20:45

Tgt Ion: 43 Resp: 115785

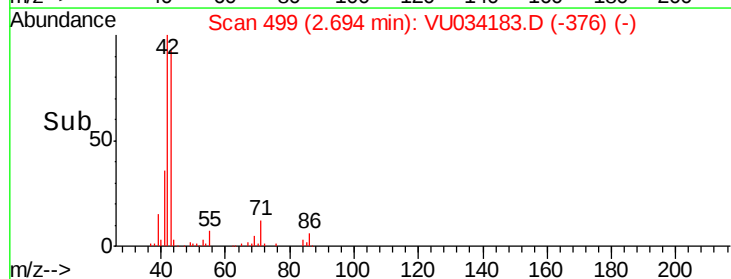
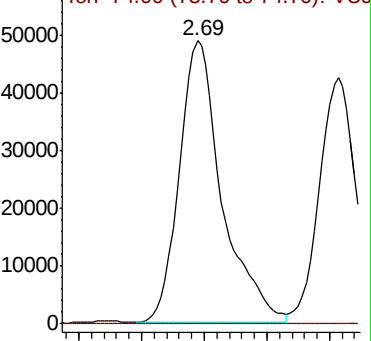
Ion Ratio Lower Upper

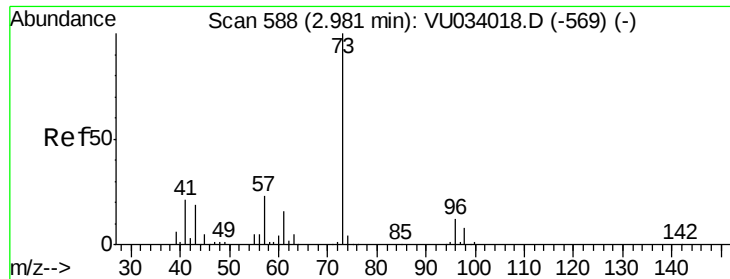
43 100

74 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VU034183.D (-452) (-)

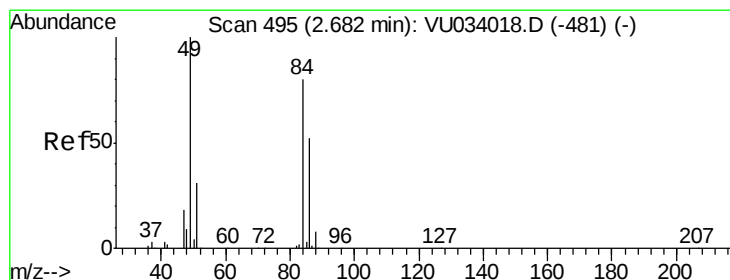
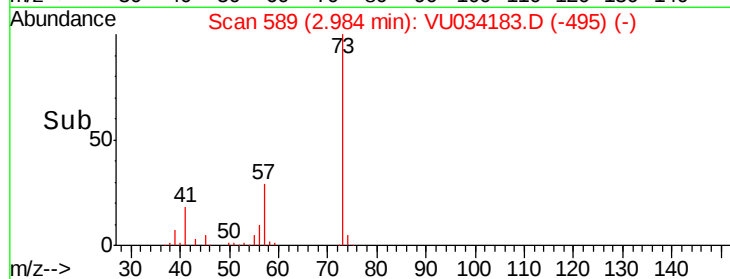
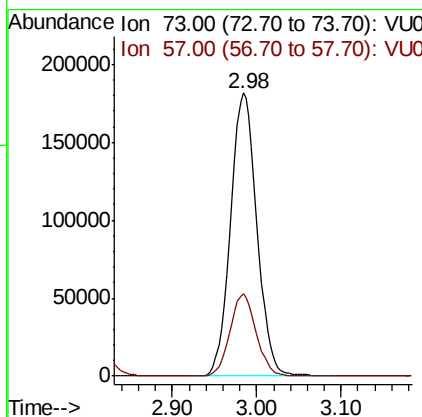
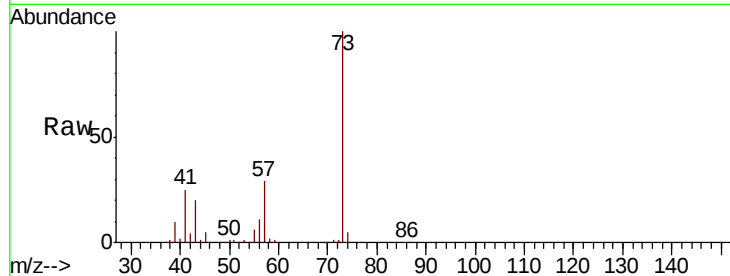




#19
Methvl tert-butvl Ether
Concen: 27.334 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034183.D
Acq: 01 Sep 2019 20:45

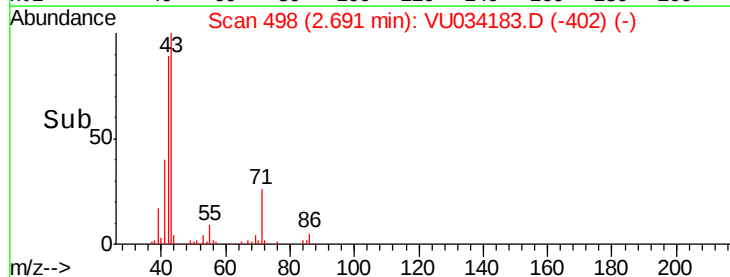
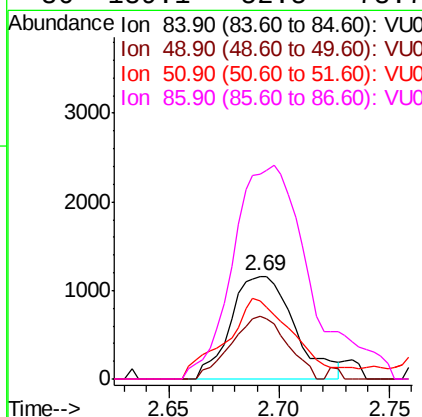
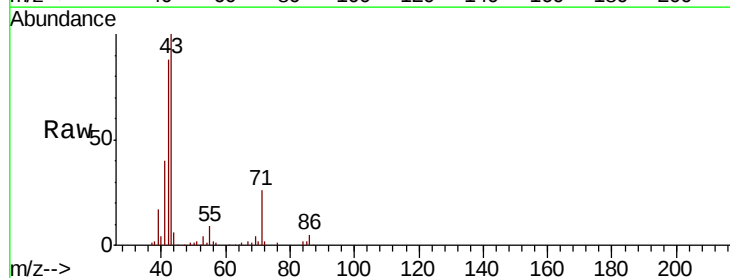
Instrument :
MSVOA_U
ClientSampleId :

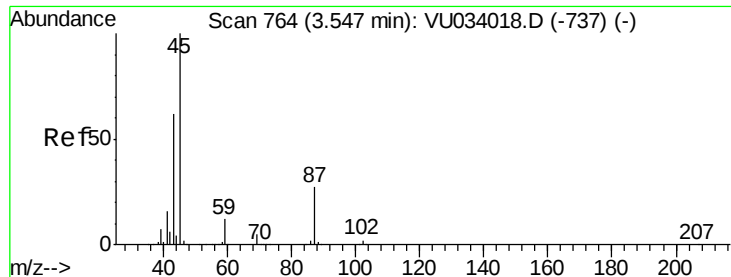
Tot Ion: 73 Resp: 394374
Ion Ratio Lower Upper
73 100
57 28.8 18.3 27.5#



#20
Methylene Chloride
Concen: 0.427 ug/l
RT: 2.69 min Scan# 498
Delta R.T. 0.01 min
Lab File: VU034183.D
Acq: 01 Sep 2019 20:45

Tgt Ion: 84 Resp: 2322
Ion Ratio Lower Upper
84 100
49 60.8 100.2 150.4#
51 65.1 30.8 46.2#
86 189.1 52.5 78.7#

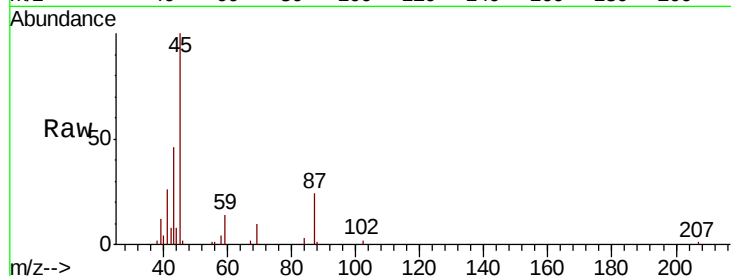




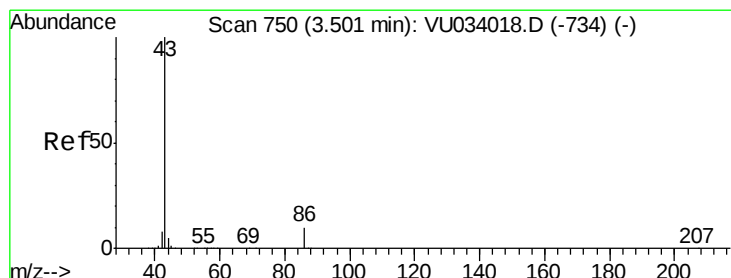
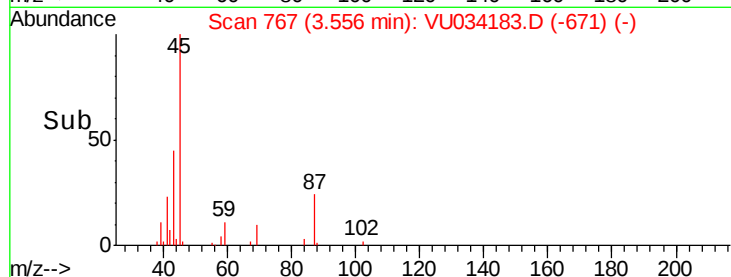
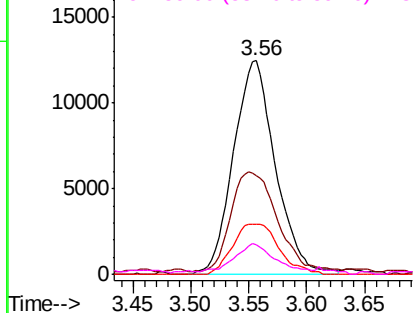
#22
Diisopropyl ether
Concen: 2.064 ug/l
RT: 3.56 min Scan# 767
Delta R.T. 0.01 min
Lab File: VU034183.D
Acq: 01 Sep 2019 20:45

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	45	Resp:	31314
Ion	Ratio	Lower	Upper
45	100		
43	44.8	49.7	74.5#
87	23.6	21.8	32.8
59	12.5	9.3	13.9

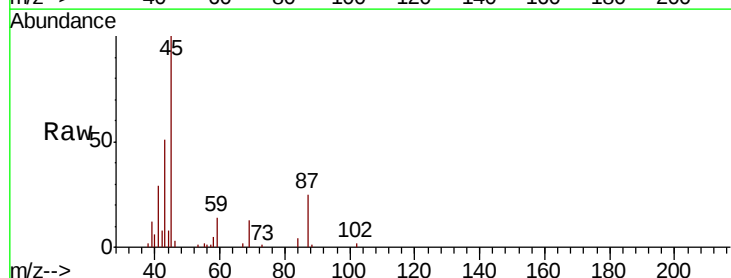


Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0

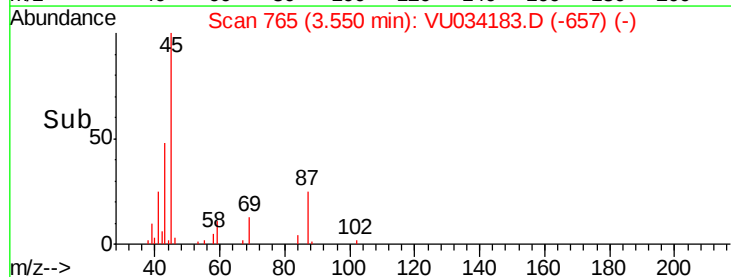
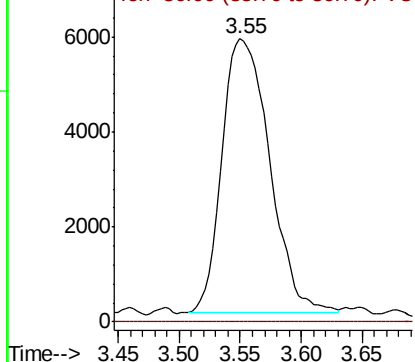


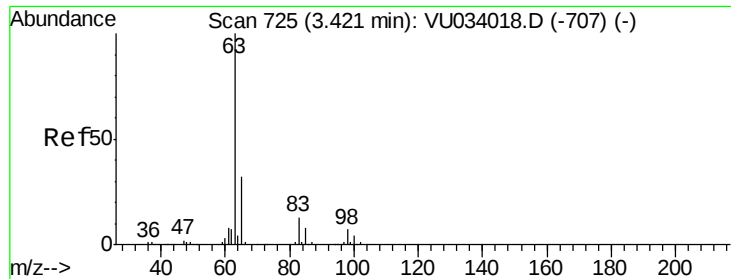
#23
Vinyl Acetate
Concen: 1.208 ug/l
RT: 3.55 min Scan# 765
Delta R.T. 0.05 min
Lab File: VU034183.D
Acq: 01 Sep 2019 20:45

Tgt Ion:	43	Resp:	15738
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.3	12.5#



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 86.00 (85.70 to 86.70): VU0





#24

1,1-Dichloroethane

Concen: 0.200 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.01 min

Lab File: VU034183.D

Acq: 01 Sep 2019 20:45

Instrument :

MSVOA_U

ClientSampleId :

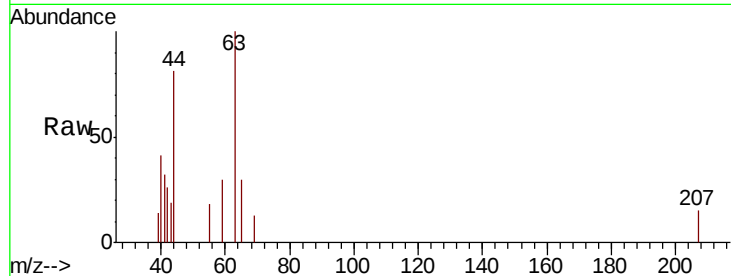
Tot Ion: 63 Resp: 1794

Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.8#

100 0.0 2.0 6.0#



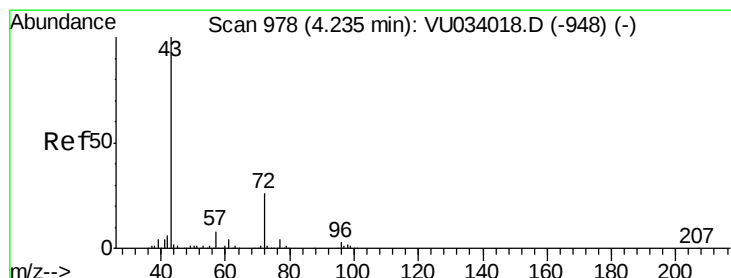
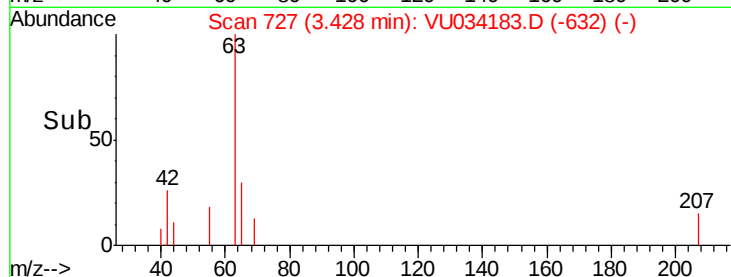
Abundance Ion 62.90 (62.60 to 63.60): VU034183.D (-632) (-)

Ion 97.90 (97.60 to 98.60): VU034183.D (-632) (-)

Ion 99.90 (99.60 to 100.60): VU034183.D (-632) (-)

3.43

Time-->



#25

2-Butanone

Concen: 1.065 ug/l

RT: 4.20 min Scan# 967

Delta R.T. -0.04 min

Lab File: VU034183.D

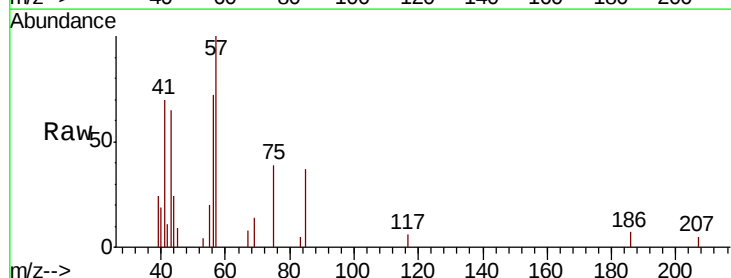
Acq: 01 Sep 2019 20:45

Tgt Ion: 43 Resp: 4261

Ion Ratio Lower Upper

43 100

72 0.0 21.2 31.8#

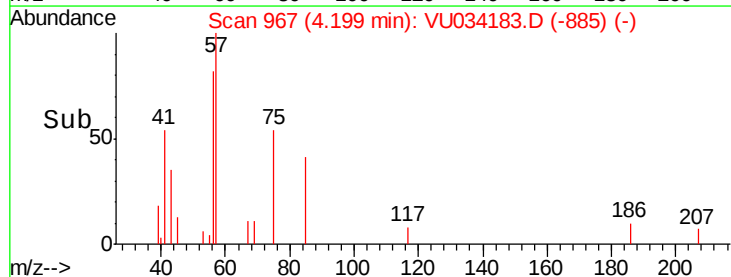


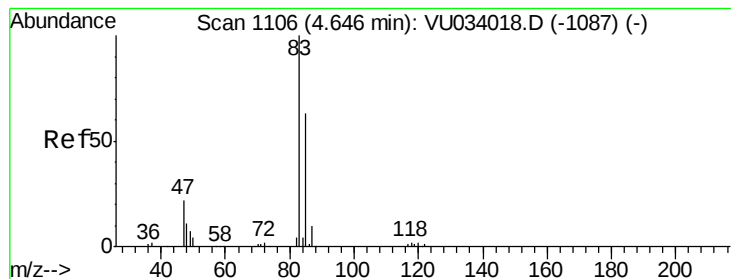
Abundance Ion 43.00 (42.70 to 43.70): VU034183.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VU034183.D (-885) (-)

4.20

Time-->





#30

Chloroform

Concen: 0.305 ug/l

RT: 4.71 min Scan# 1127

Delta R.T. 0.07 min

Lab File: VU034183.D

Acq: 01 Sep 2019 20:45

Instrument :

MSVOA_U

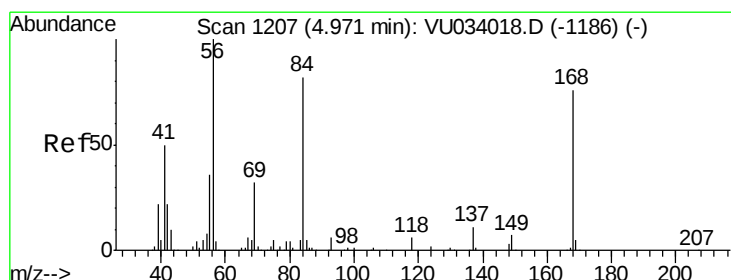
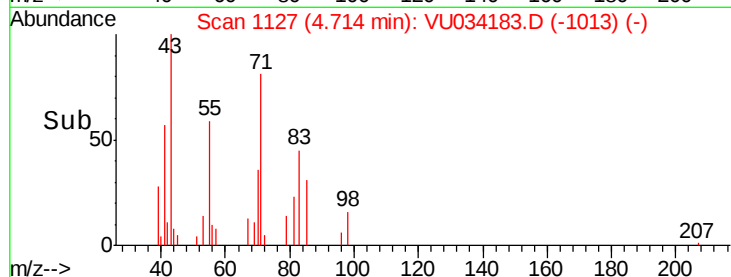
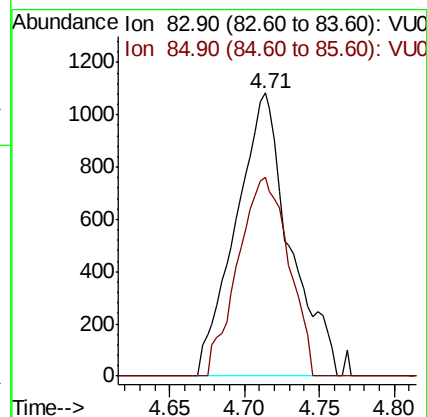
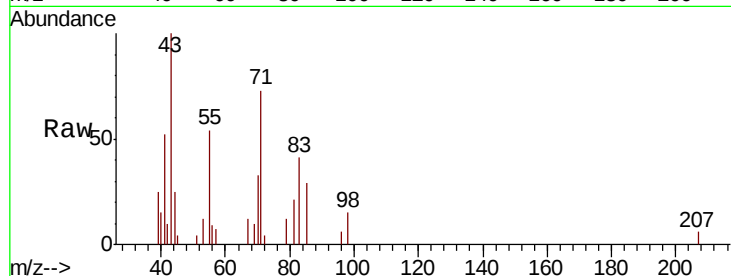
ClientSampled :

Tot Ion: 83 Resp: 2727

Ion Ratio Lower Upper

83 100

85 70.4 50.7 76.1



#31

Cyclohexane

Concen: 5.733 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034183.D

Acq: 01 Sep 2019 20:45

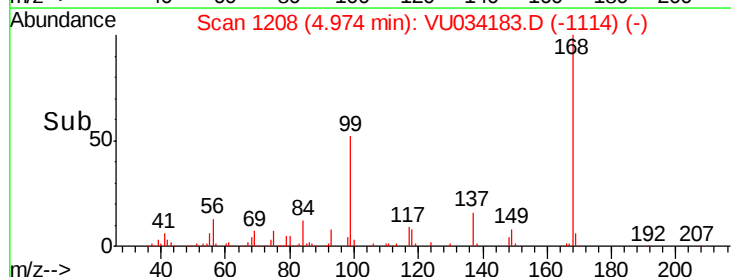
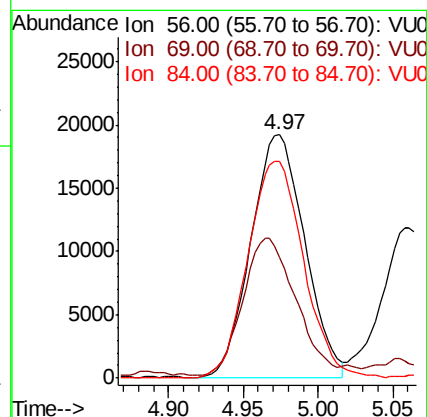
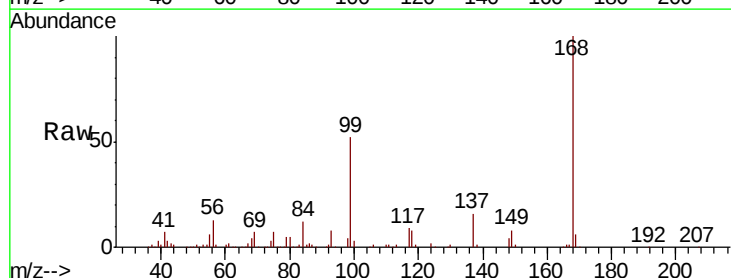
Tgt Ion: 56 Resp: 48249

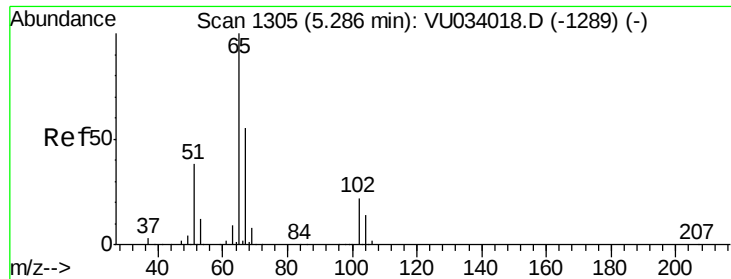
Ion Ratio Lower Upper

56 100

69 48.8 25.4 38.0#

84 88.8 65.8 98.8





#33

1,2-Dichloroethane-d4

Concen: 49.726 ug/l

RT: 5.29 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU034183.D

Acq: 01 Sep 2019 20:45

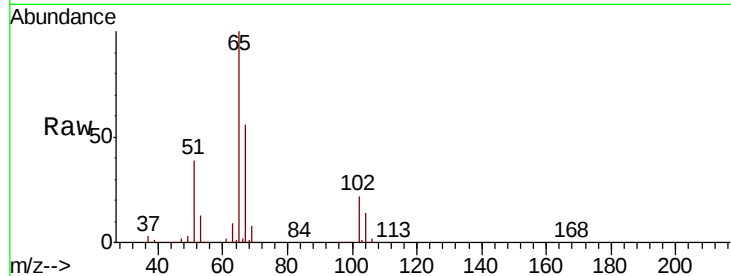
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 65 Resp: 280259

Ion Ratio Lower Upper

65 100

67 54.0 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU034183.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU034183.D (-1289) (-)

5.29

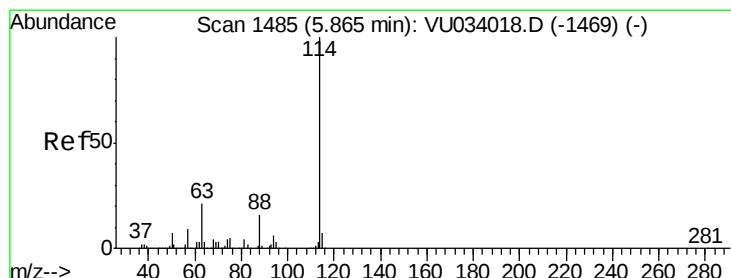
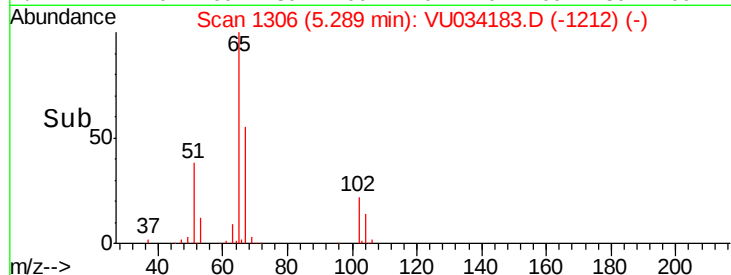
100000

50000

0

Time-->

5.20 5.30 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VU034183.D

Acq: 01 Sep 2019 20:45

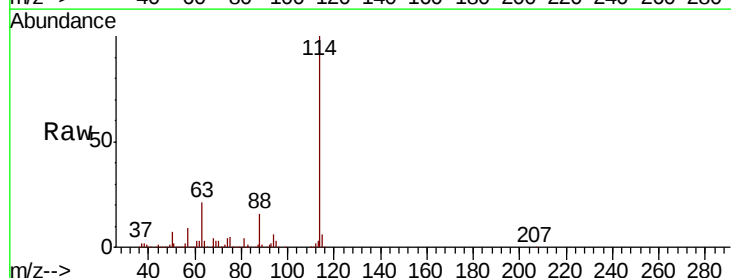
Tgt Ion: 114 Resp: 728207

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.0

88 16.3 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VU034183.D (-1469) (-)

Ion 63.00 (62.70 to 63.70): VU034183.D (-1469) (-)

Ion 87.90 (87.60 to 88.60): VU034183.D (-1469) (-)

5.87

400000

300000

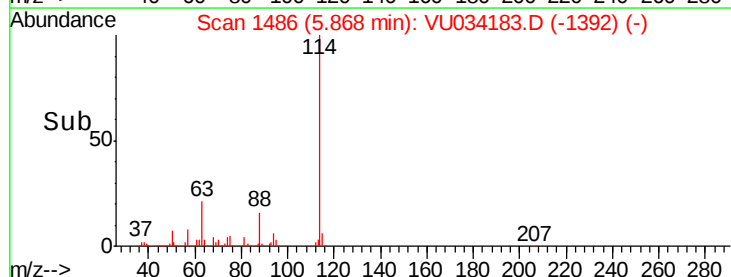
200000

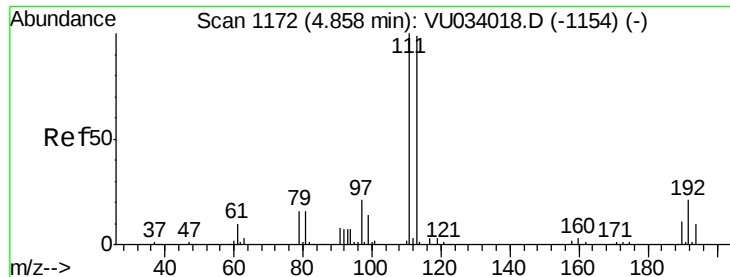
100000

0

Time-->

5.70 5.80 5.90 6.00 6.10

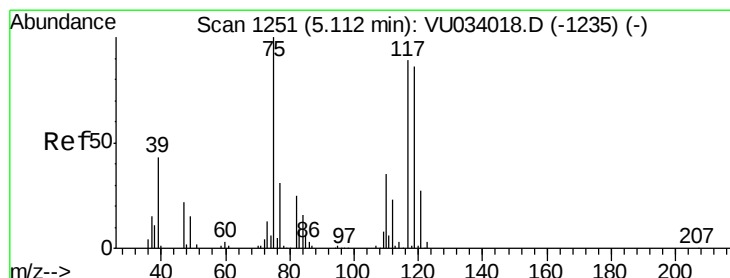
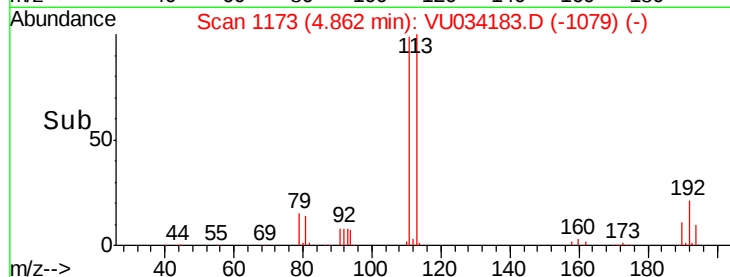
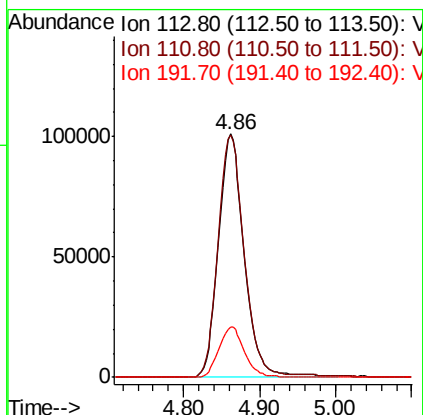
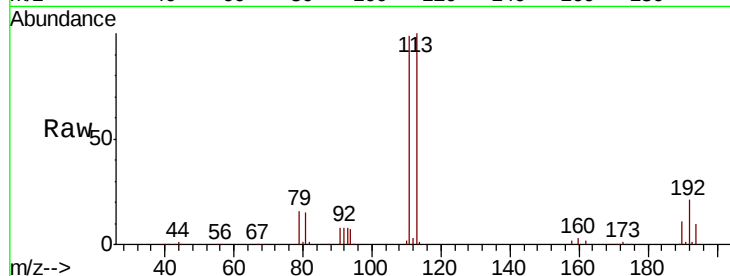




#35
 Dibromofluoromethane
 Concen: 47.238 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034183.D
 Acq: 01 Sep 2019 20:45

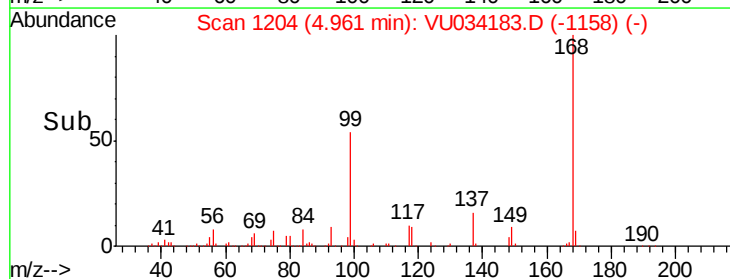
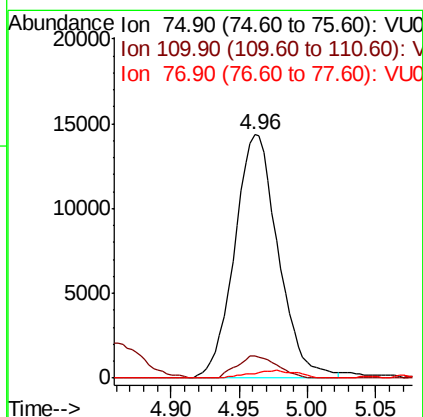
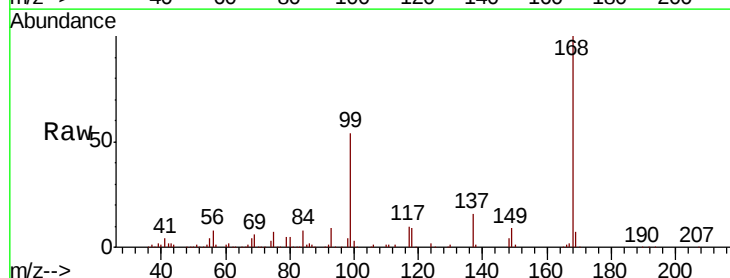
Instrument :
 MSVOA_U
 ClientSampled :

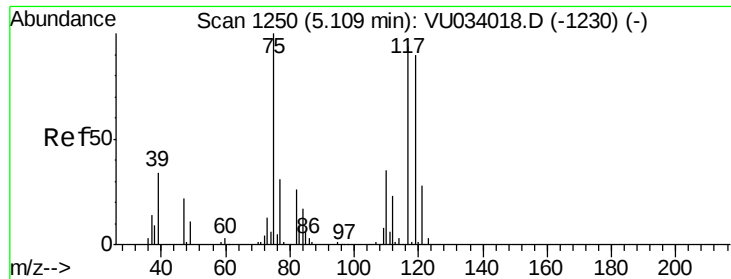
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.6	81.7	122.5
192	20.7	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 4.627 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034183.D
 Acq: 01 Sep 2019 20:45

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

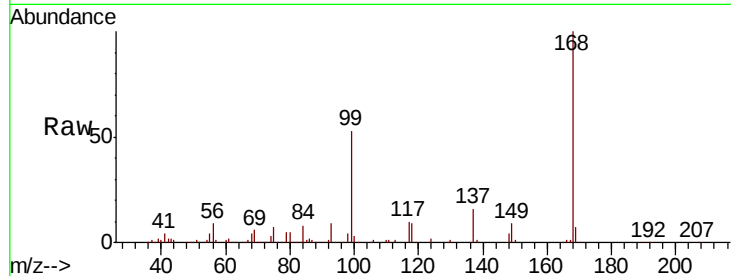




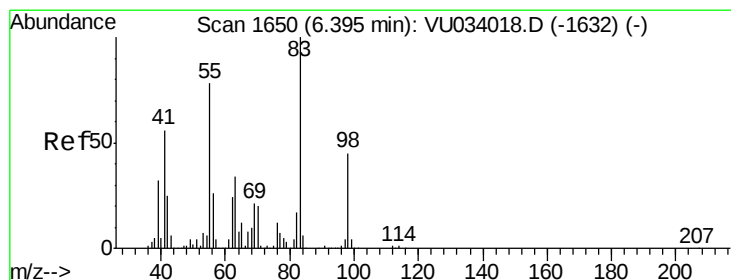
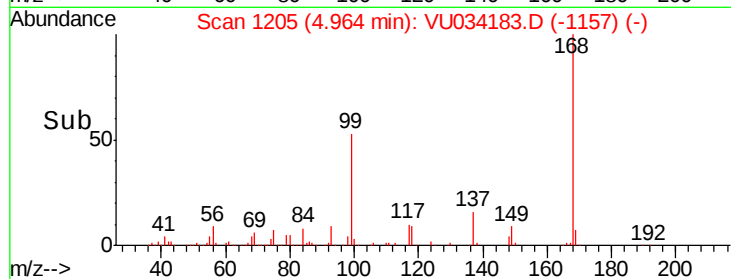
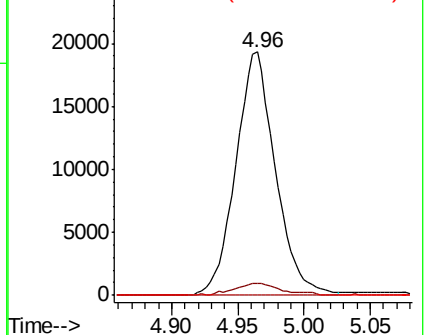
#38
Carbon Tetrachloride
Concen: 6.038 ug/l
RT: 4.96 min Scan# 1205
Delta R.T. -0.14 min
Lab File: VU034183.D
Acq: 01 Sep 2019 20:45

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 40142
Ion Ratio Lower Upper
117 100
119 4.9 77.0 115.4#
121 0.0 23.9 35.9#

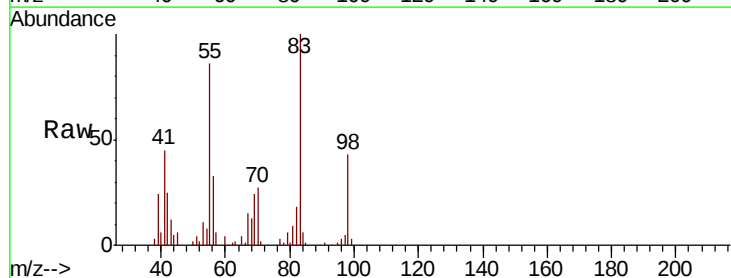


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

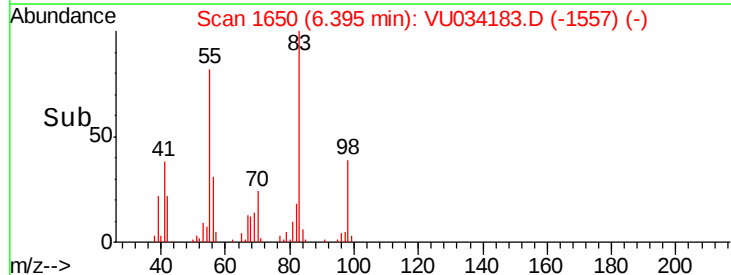
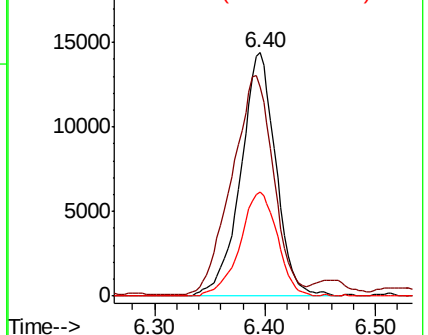


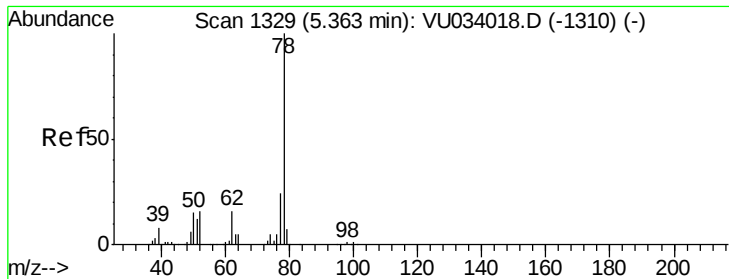
#39
Methylcyclohexane
Concen: 3.905 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034183.D
Acq: 01 Sep 2019 20:45

Tgt Ion: 83 Resp: 31705
Ion Ratio Lower Upper
83 100
55 84.6 62.3 93.5
98 42.6 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

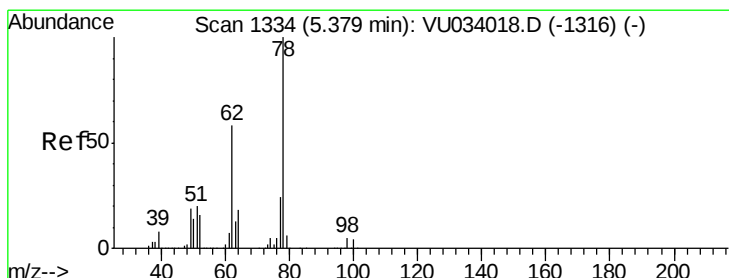
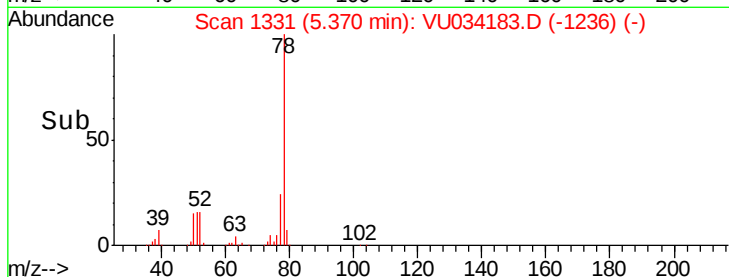
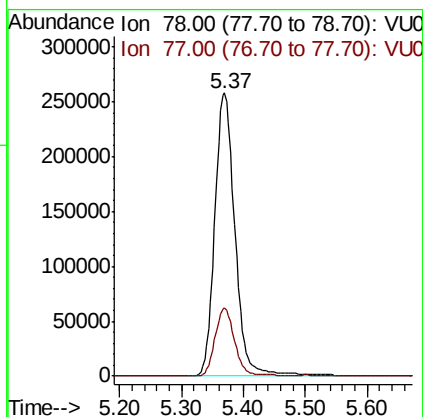
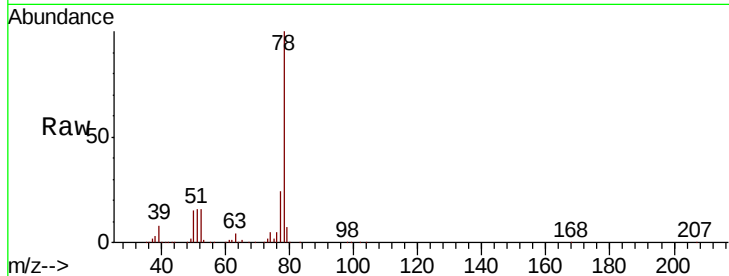




#40
Benzene
Concen: 28.165 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VU034183.D
Acq: 01 Sep 2019 20:45

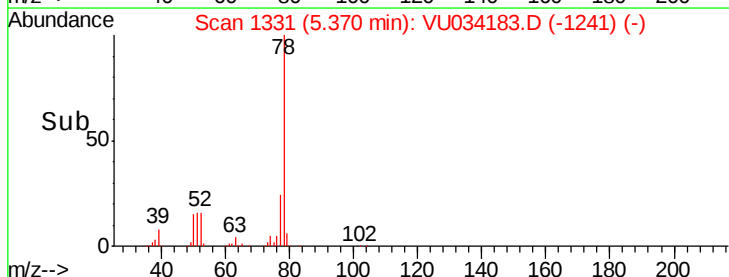
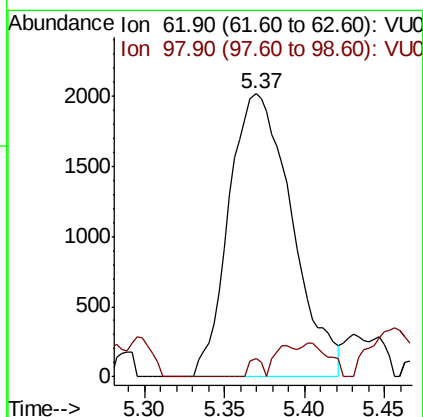
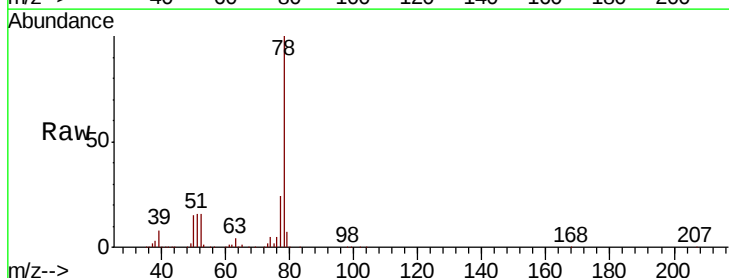
Instrument :
MSVOA_U
ClientSampleId :

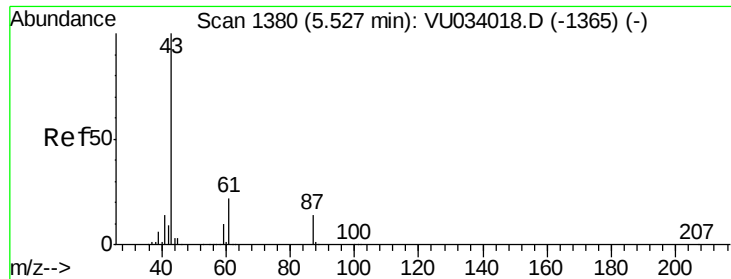
Tot Ion: 78 Resp: 586942
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.6



#42
1,2-Dichloroethane
Concen: 0.755 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. -0.01 min
Lab File: VU034183.D
Acq: 01 Sep 2019 20:45

Tgt Ion: 62 Resp: 5430
Ion Ratio Lower Upper
62 100
98 4.1 0.0 18.2





#43

Isopropyl Acetate

Concen: 2.658 ug/l

RT: 5.52 min Scan# 1377

Delta R.T. -0.01 min

Lab File: VU034183.D

Acq: 01 Sep 2019 20:45

Instrument :

MSVOA_U

ClientSampleId :

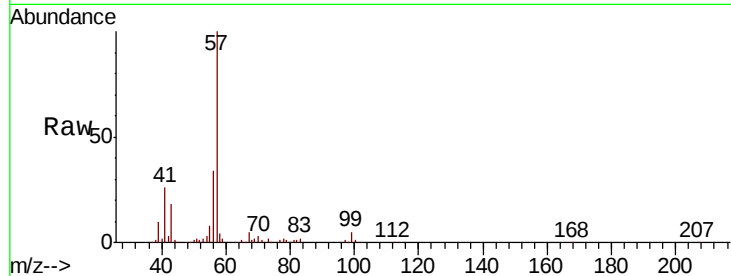
Tot Ion: 43 Resp: 31185

Ion Ratio Lower Upper

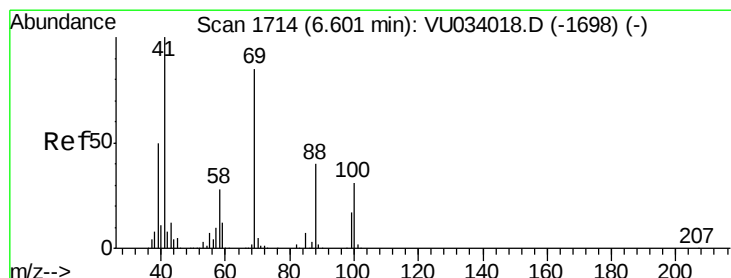
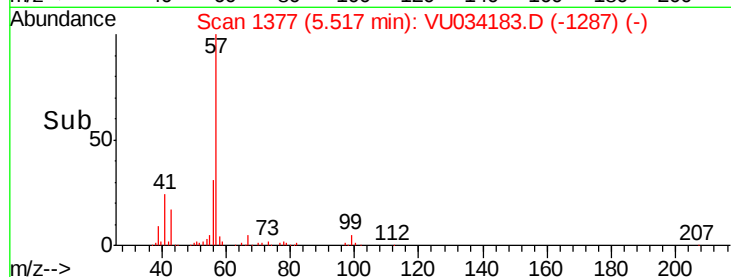
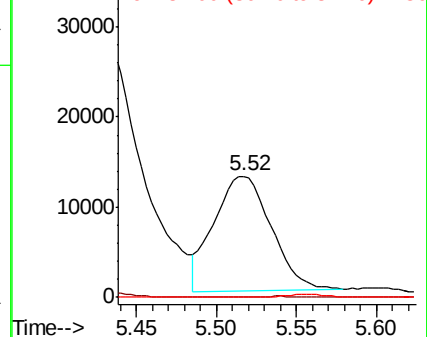
43 100

61 0.0 17.2 25.8#

87 0.0 10.8 16.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 87.00 (86.70 to 87.70): VU0



#48

Methyl methacrylate

Concen: 0.418 ug/l

RT: 6.62 min Scan# 1720

Delta R.T. 0.02 min

Lab File: VU034183.D

Acq: 01 Sep 2019 20:45

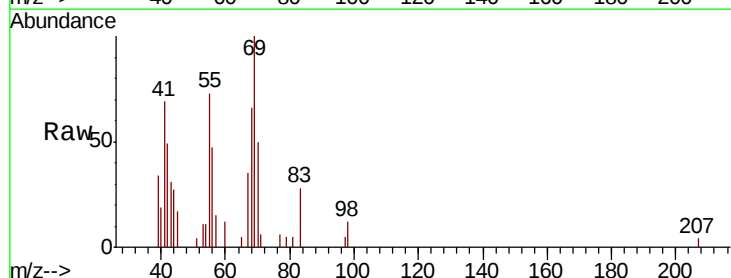
Tgt Ion: 41 Resp: 2366

Ion Ratio Lower Upper

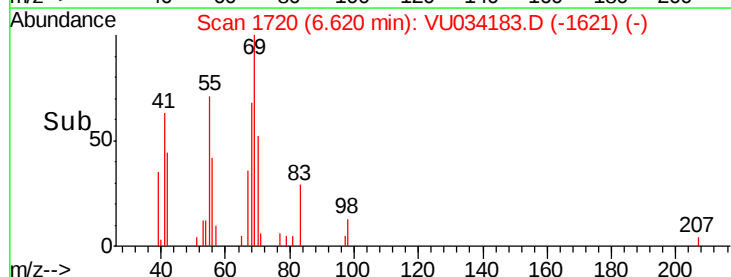
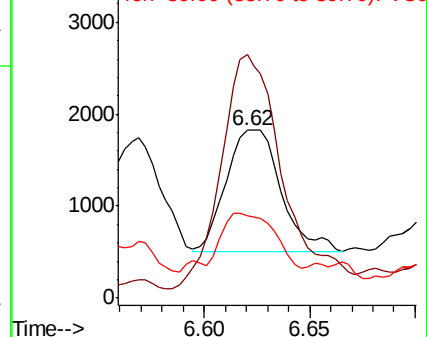
41 100

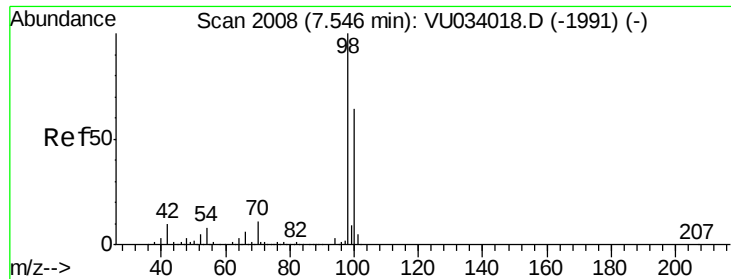
69 219.7 69.5 104.3#

39 49.5 40.3 60.5



Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

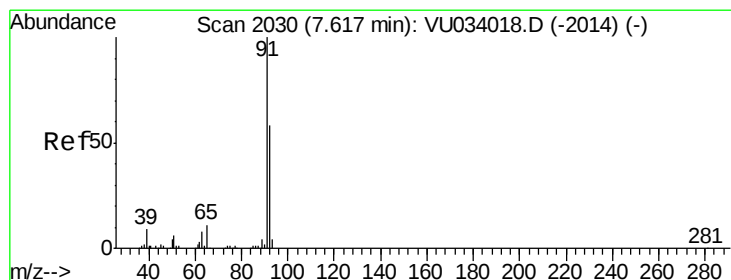
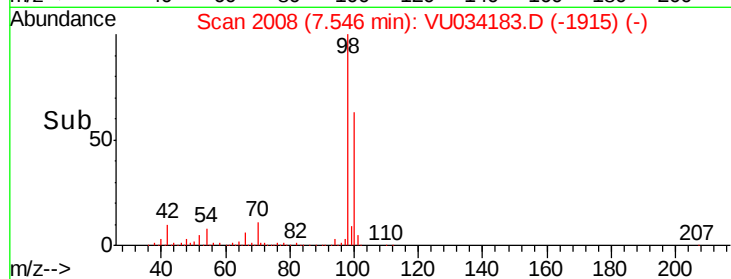
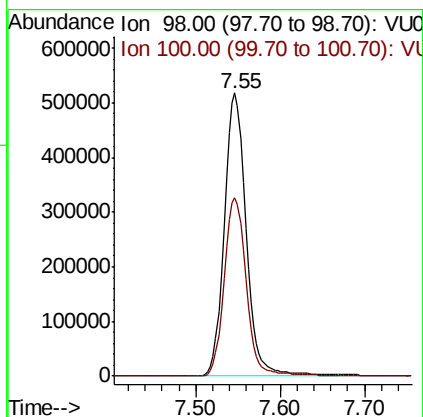
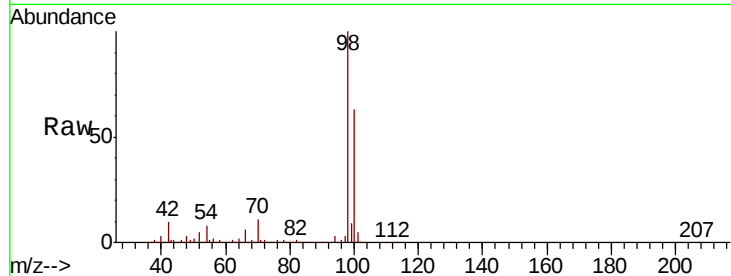




#50
Toluene-d8
Concen: 49.395 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034183.D
Acq: 01 Sep 2019 20:45

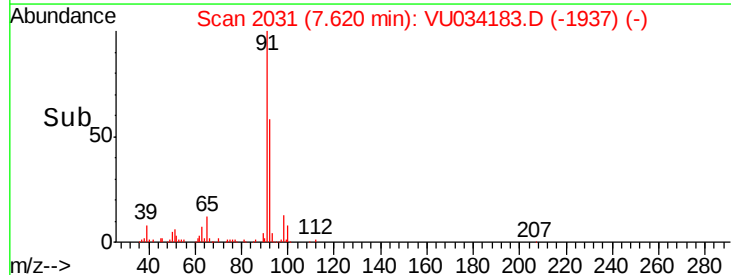
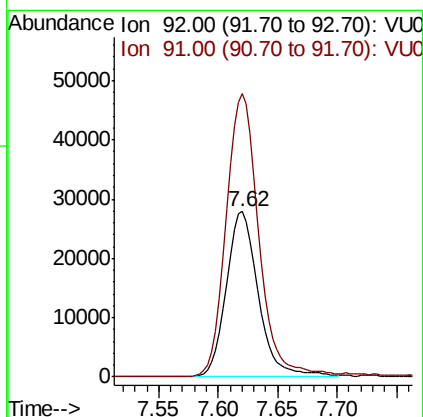
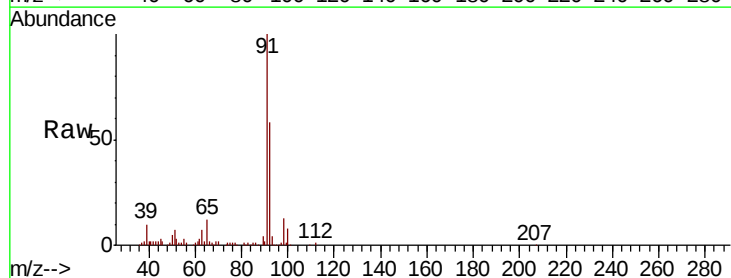
Instrument :
MSVOA_U
ClientSampleId :

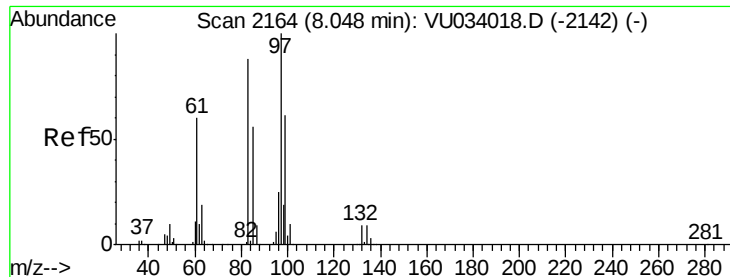
Tot Ion: 98 Resp: 934149
Ion Ratio Lower Upper
98 100
100 64.2 50.3 75.5



#52
Toluene
Concen: 4.071 ug/l
RT: 7.62 min Scan# 2031
Delta R.T. 0.00 min
Lab File: VU034183.D
Acq: 01 Sep 2019 20:45

Tgt Ion: 92 Resp: 52258
Ion Ratio Lower Upper
92 100
91 174.3 138.3 207.5





#55

1,1,2-Trichloroethane

Concen: 1.054 ug/l

RT: 8.03 min Scan# 2157

Delta R.T. -0.02 min

Lab File: VU034183.D

Acq: 01 Sep 2019 20:45

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 97 Resp: 5723

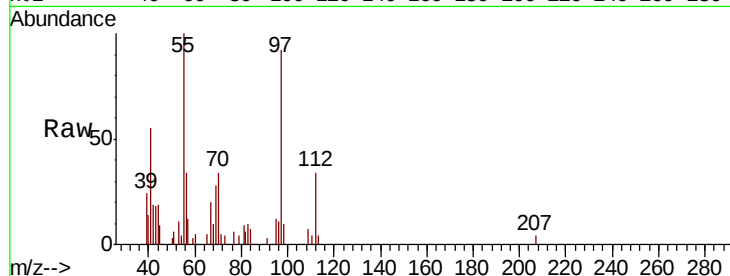
Ion Ratio Lower Upper

97 100

83 11.1 70.1 105.1#

85 0.0 45.0 67.4#

99 0.0 49.8 74.8#

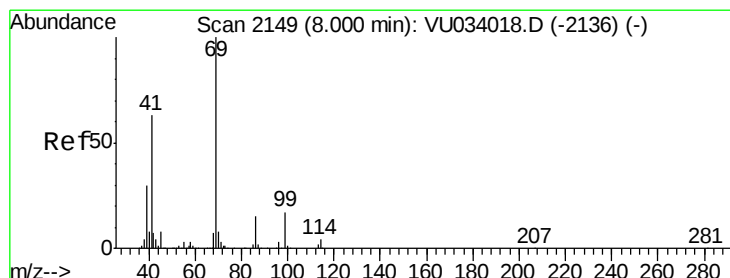
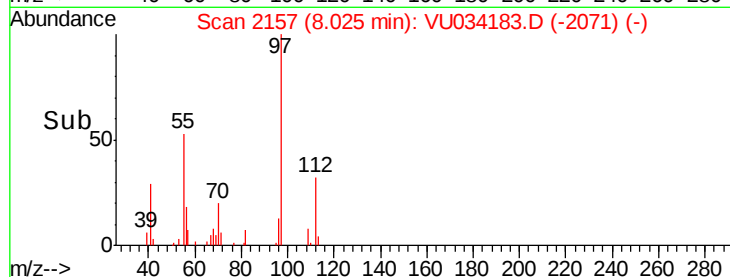
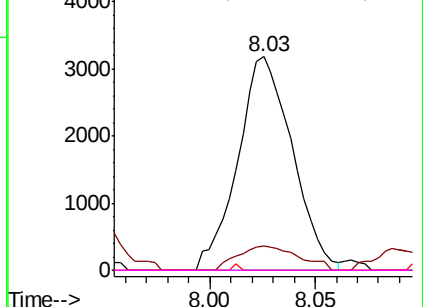


Abundance Ion 96.90 (96.60 to 97.60): VU034183.D (-2071) (-)

Ion 82.90 (82.60 to 83.60): VU034183.D (-2071) (-)

Ion 84.90 (84.60 to 85.60): VU034183.D (-2071) (-)

Ion 98.90 (98.60 to 99.60): VU034183.D (-2071) (-)



#56

Ethyl methacrylate

Concen: 1.043 ug/l

RT: 8.02 min Scan# 2156

Delta R.T. 0.02 min

Lab File: VU034183.D

Acq: 01 Sep 2019 20:45

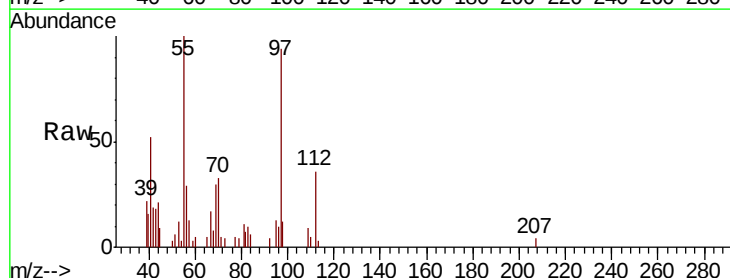
Tgt Ion: 69 Resp: 659

Ion Ratio Lower Upper

69 100

41 356.8 50.7 76.1#

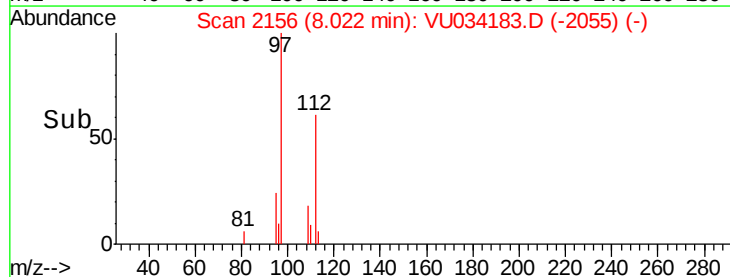
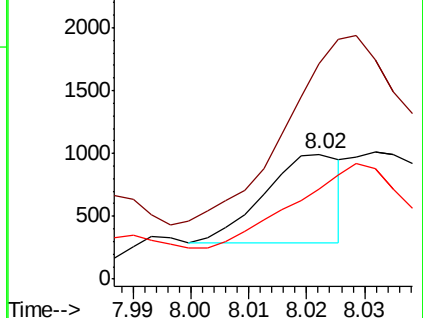
39 140.7 24.2 36.2#

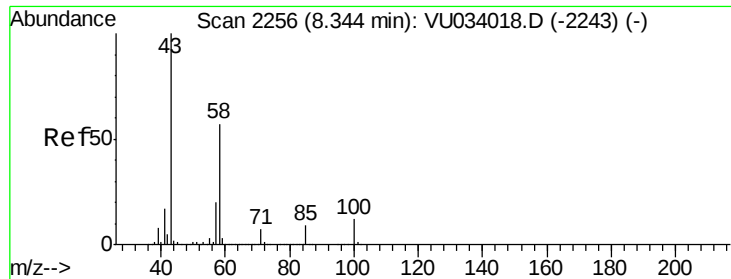


Abundance Ion 69.00 (68.70 to 69.70): VU034183.D (-2055) (-)

Ion 41.00 (40.70 to 41.70): VU034183.D (-2055) (-)

Ion 39.00 (38.70 to 39.70): VU034183.D (-2055) (-)

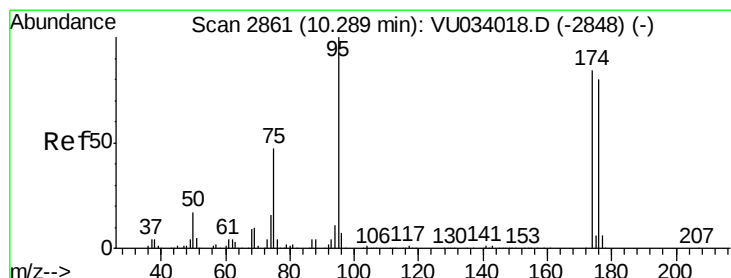
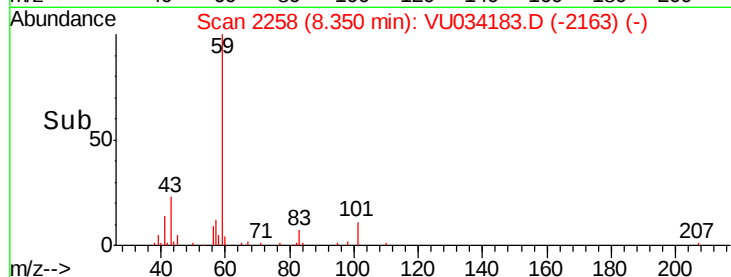
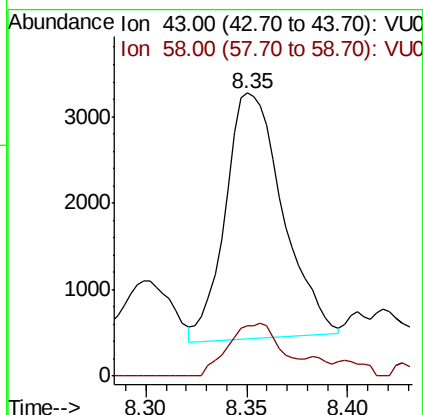
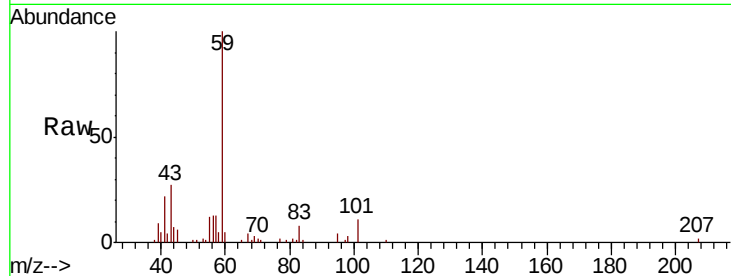




#59
2-Hexanone
Concen: 0.923 ug/l
RT: 8.35 min Scan# 2256
Delta R.T. 0.01 min
Lab File: VU034183.D
Acq: 01 Sep 2019 20:45

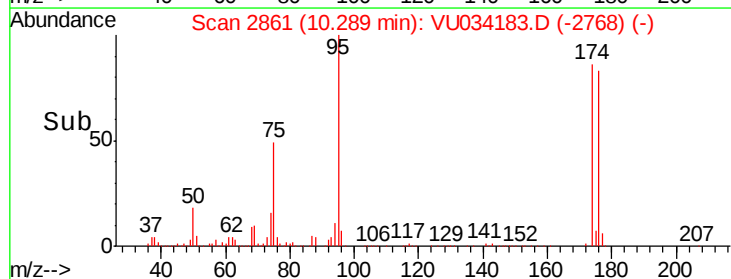
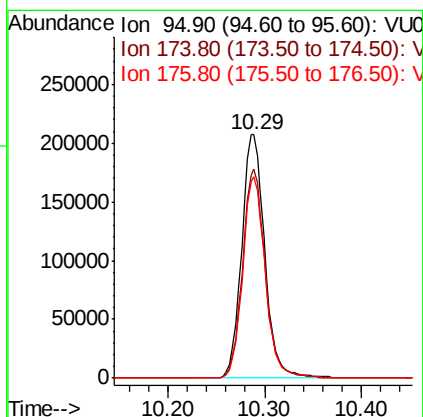
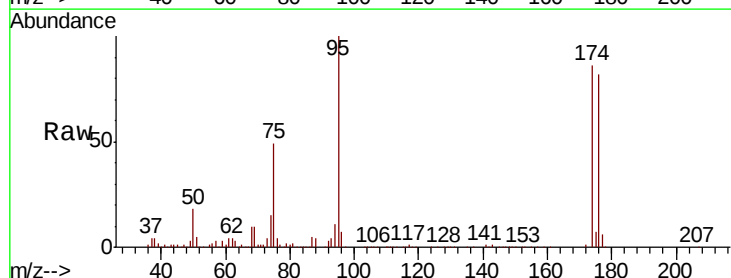
Instrument :
MSVOA_U
ClientSampleId :

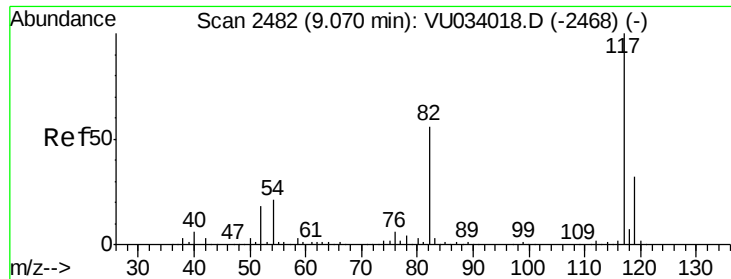
Tot Ion: 43 Resp: 5646
Ion Ratio Lower Upper
43 100
58 19.5 28.4 85.3#



#62
4-Bromofluorobenzene
Concen: 46.348 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.00 min
Lab File: VU034183.D
Acq: 01 Sep 2019 20:45

Tgt Ion: 95 Resp: 340960
Ion Ratio Lower Upper
95 100
174 85.0 0.0 168.8
176 81.4 0.0 161.8

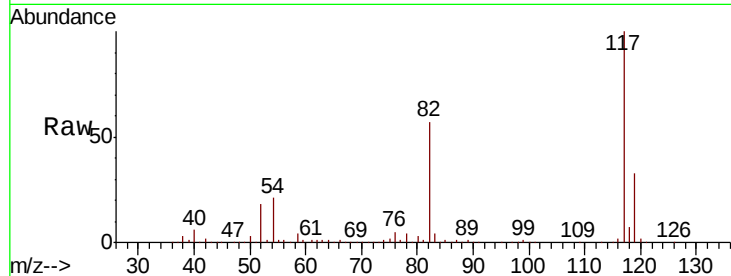




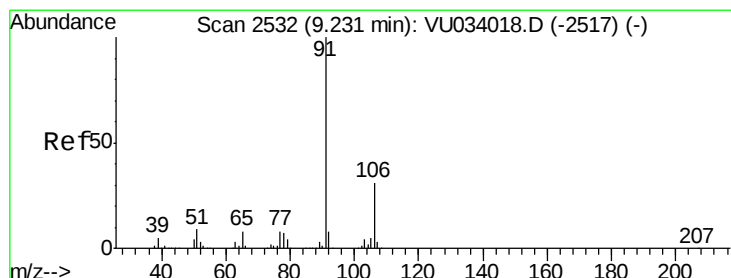
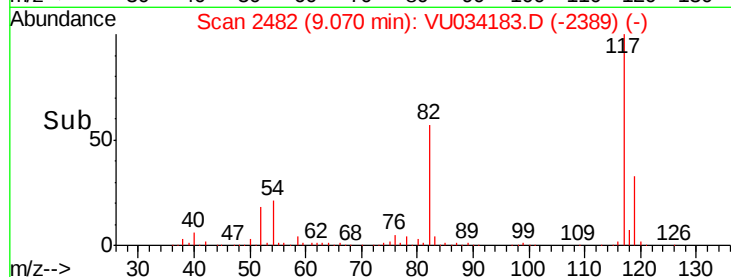
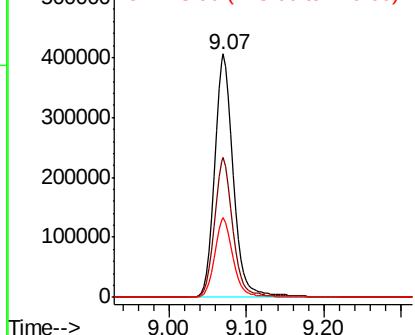
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034183.D
Acq: 01 Sep 2019 20:45

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 701686
Ion Ratio Lower Upper
117 100
82 57.3 45.1 67.7
119 32.5 25.4 38.0

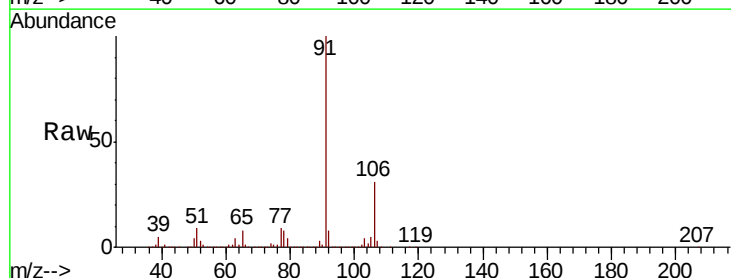


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU
Ion 118.90 (118.60 to 119.60): V

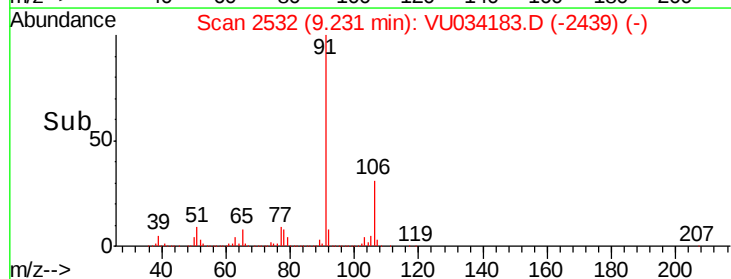
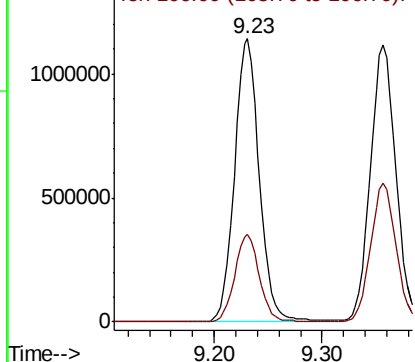


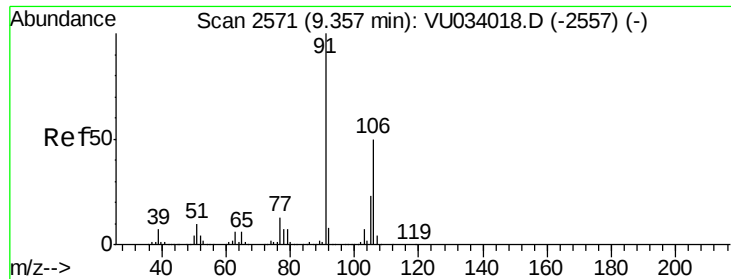
#67
Ethyl Benzene
Concen: 74.750 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. -0.00 min
Lab File: VU034183.D
Acq: 01 Sep 2019 20:45

Tgt Ion: 91 Resp: 1829708
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3



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





#68

m/p-Xylenes

Concen: 98.963 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU034183.D

Acq: 01 Sep 2019 20:45

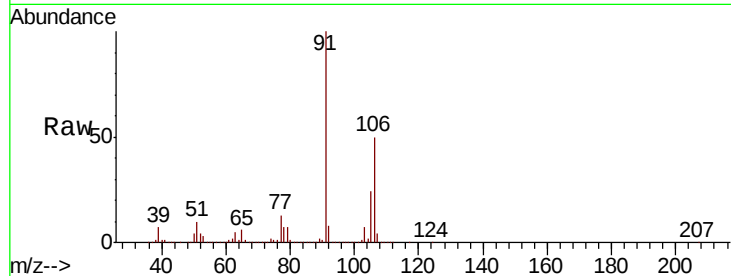
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 921086

Ion Ratio Lower Upper

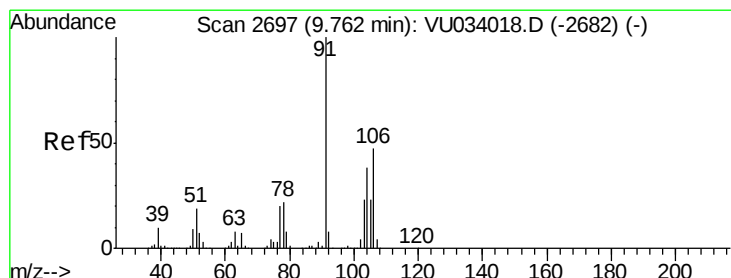
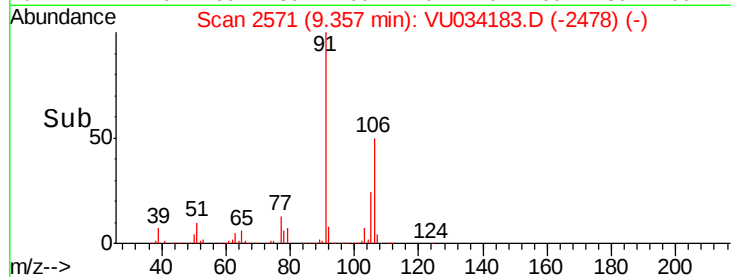
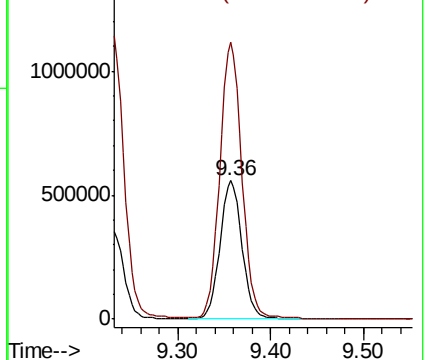
106 100

91 200.9 161.6 242.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#69

o-Xylene

Concen: 33.804 ug/l

RT: 9.76 min Scan# 2696

Delta R.T. -0.00 min

Lab File: VU034183.D

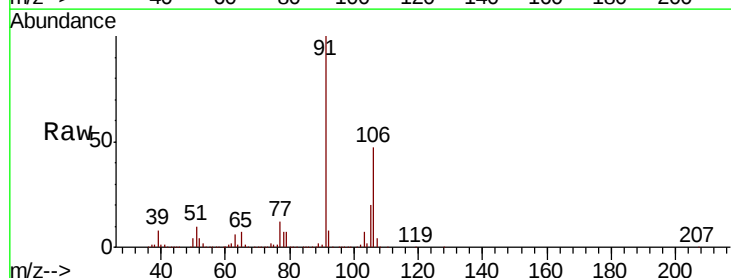
Acq: 01 Sep 2019 20:45

Tgt Ion:106 Resp: 301847

Ion Ratio Lower Upper

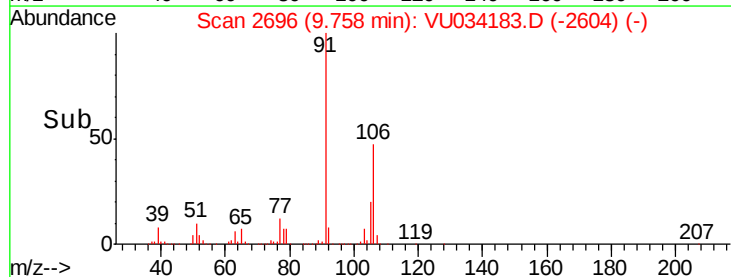
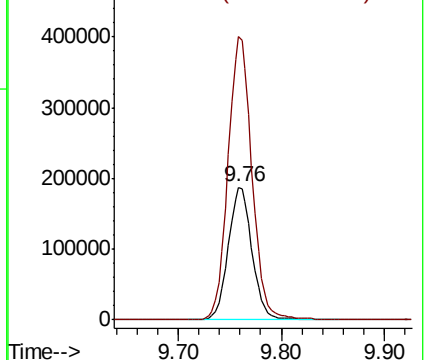
106 100

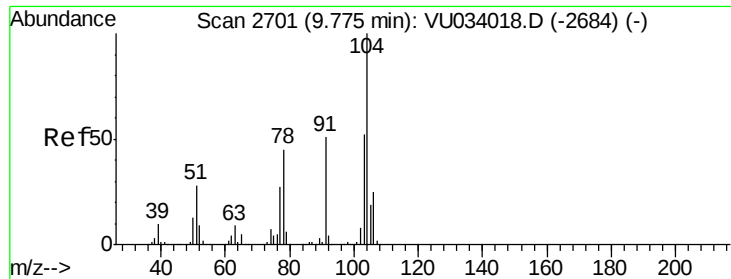
91 214.4 106.0 318.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

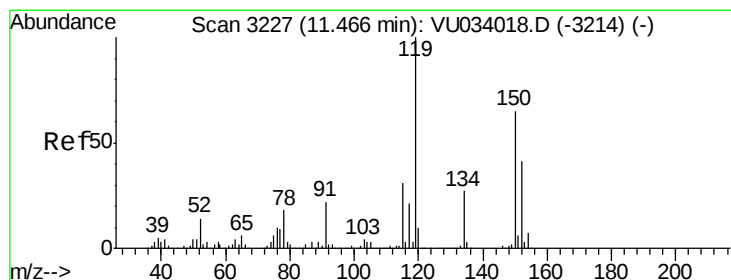
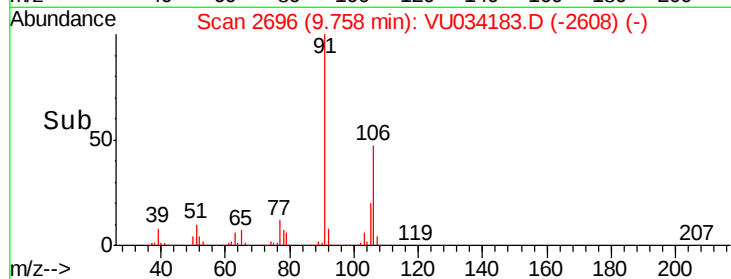
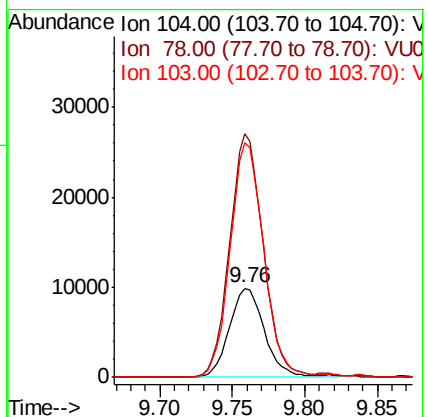
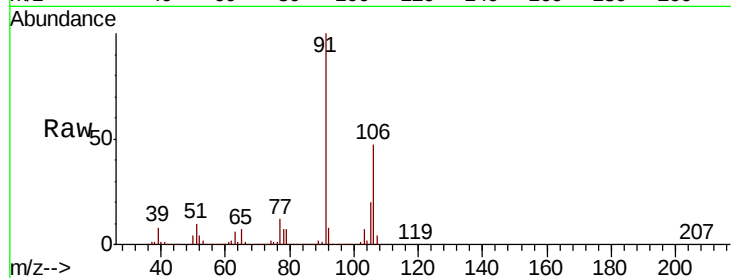




#70
Stvrene
Concen: 1.095 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.02 min
Lab File: VU034183.D
Acq: 01 Sep 2019 20:45

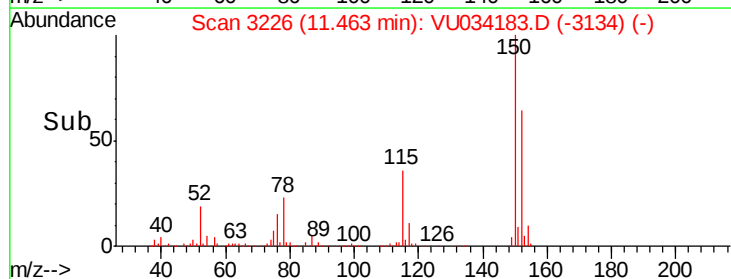
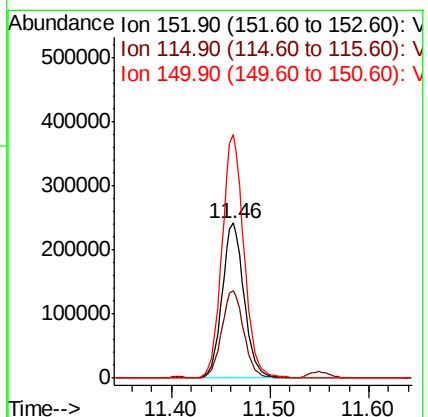
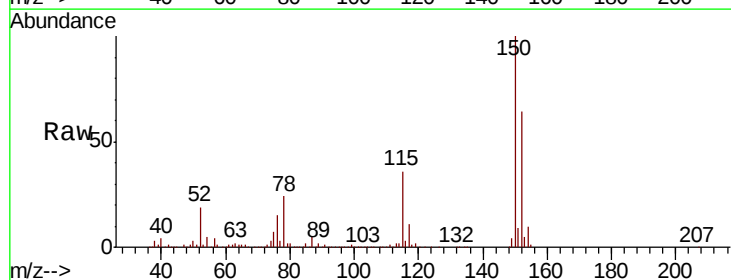
Instrument :
MSVOA_U
ClientSampleId :

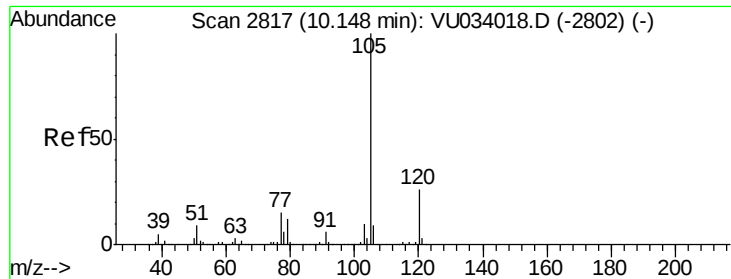
Tot Ion:104 Resp: 16771
Ion Ratio Lower Upper
104 100
78 257.6 39.0 58.4#
103 248.9 44.0 66.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034183.D
Acq: 01 Sep 2019 20:45

Tgt Ion:152 Resp: 377306
Ion Ratio Lower Upper
152 100
115 56.0 41.1 123.3
150 156.8 0.0 348.8





#73

Isopropylbenzene

Concen: 7.990 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU034183.D

Acq: 01 Sep 2019 20:45

Instrument :

MSVOA_U

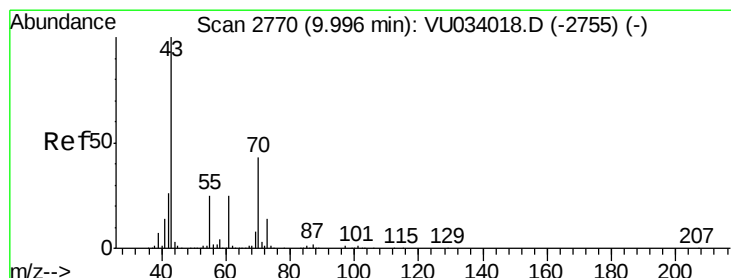
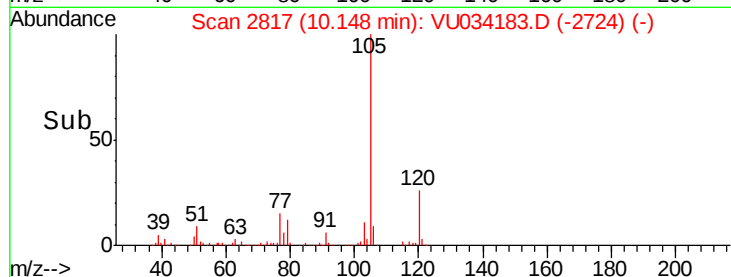
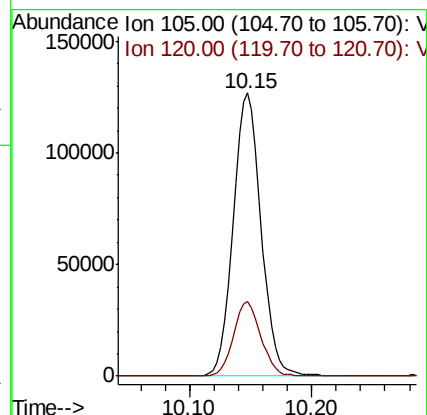
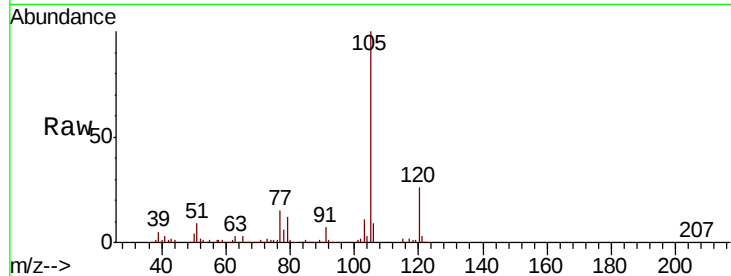
ClientSampled :

Tot Ion:105 Resp: 202482

Ion Ratio Lower Upper

105 100

120 25.8 13.3 39.8



#74

N-ethyl acetate

Concen: 0.335 ug/l

RT: 9.93 min Scan# 2749

Delta R.T. -0.07 min

Lab File: VU034183.D

Acq: 01 Sep 2019 20:45

Tgt Ion: 43 Resp: 3567

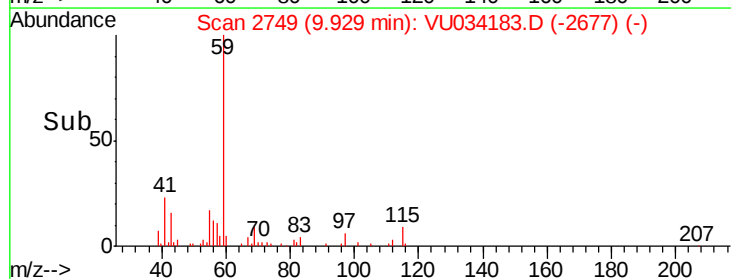
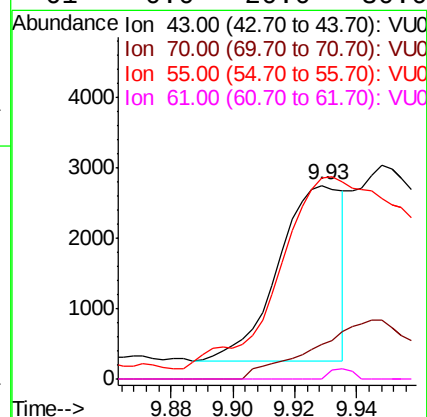
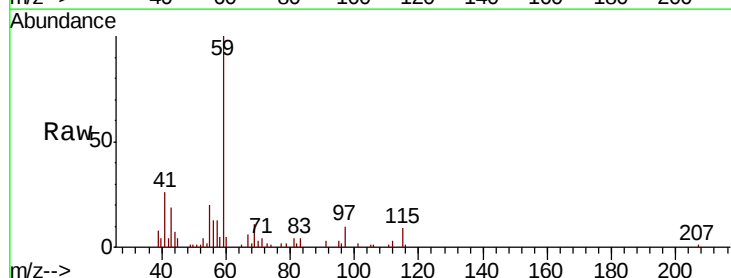
Ion Ratio Lower Upper

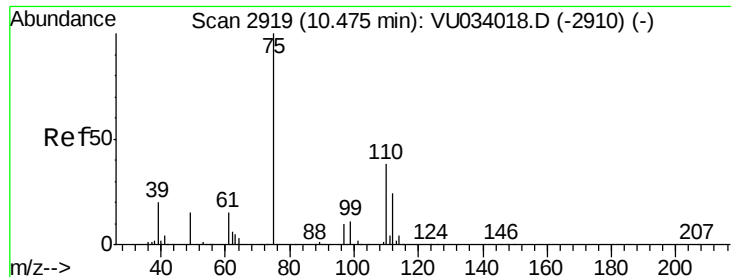
43 100

70 62.4 35.2 52.8#

55 247.2 20.5 30.7#

61 0.0 20.0 30.0#





#76

1,2,3-Trichloropropane

Concen: 0.692 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.18 min

Lab File: VU034183.D

Acq: 01 Sep 2019 20:45

Instrument :

MSVOA_U

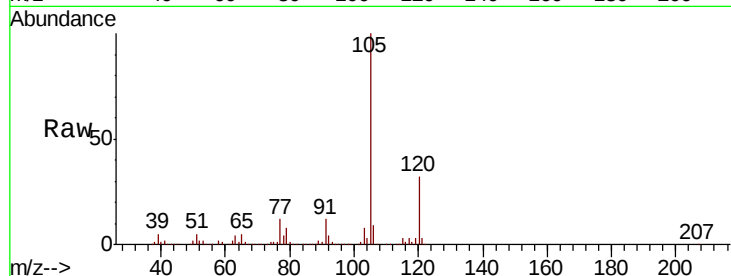
ClientSampleId :

Tot Ion: 75 Resp: 5885

Ion Ratio Lower Upper

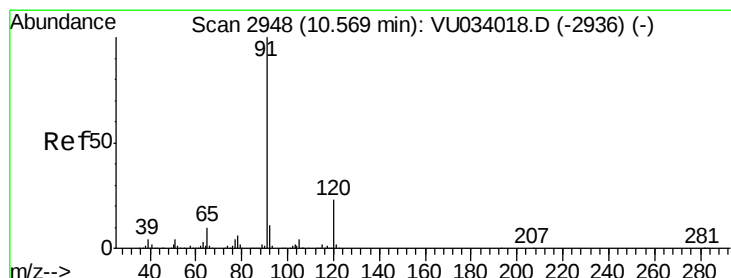
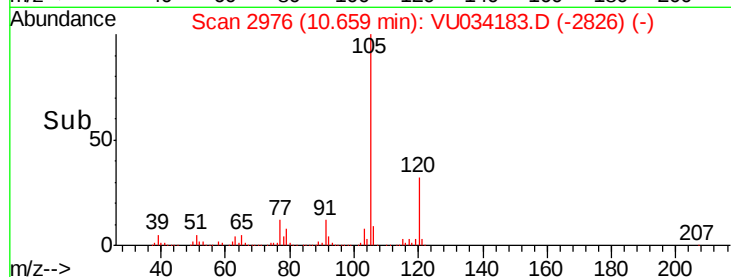
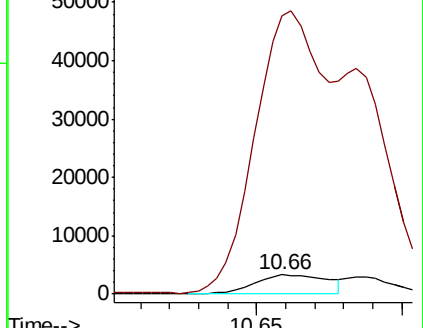
75 100

77 1311.1 20.1 60.2#



Abundance Ion 74.90 (74.60 to 75.60): VU034018.D (-2910) (-)

Ion 77.00 (76.70 to 77.70): VU034018.D (-2910) (-)



#78

n-propylbenzene

Concen: 16.201 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU034183.D

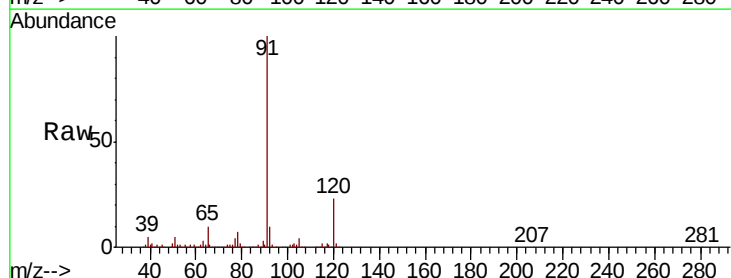
Acq: 01 Sep 2019 20:45

Tgt Ion: 91 Resp: 478175

Ion Ratio Lower Upper

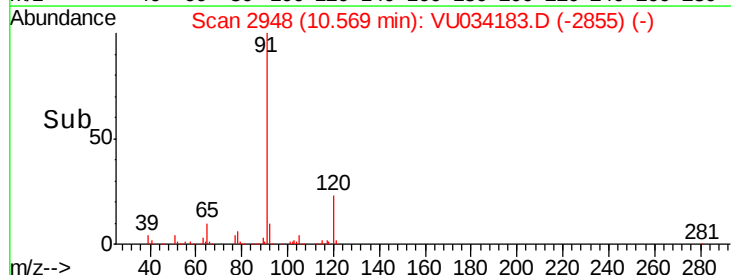
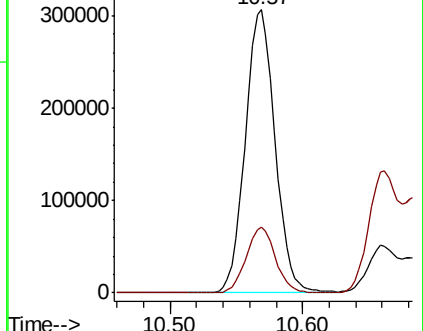
91 100

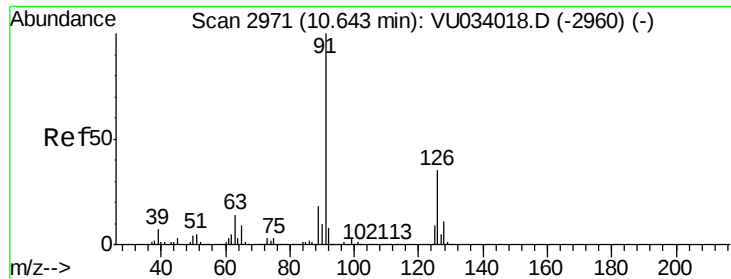
120 22.8 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU034018.D (-2936) (-)

Ion 120.00 (119.70 to 120.70): VU034018.D (-2936) (-)

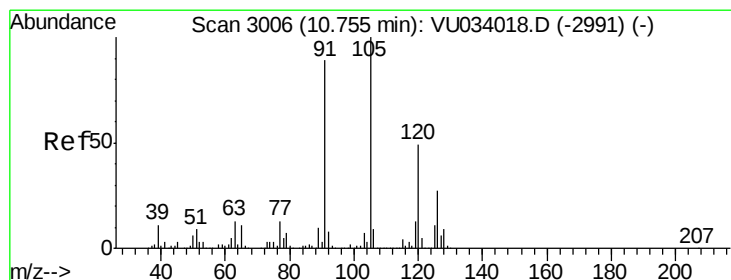
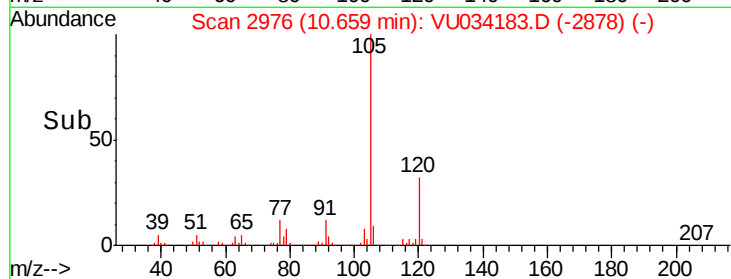
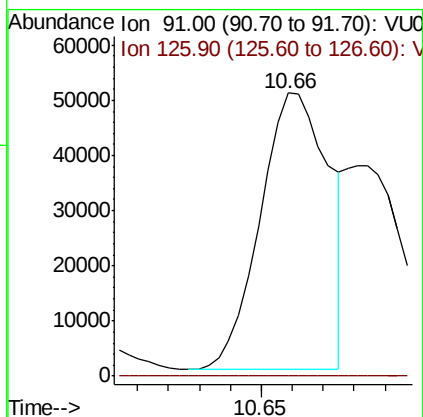
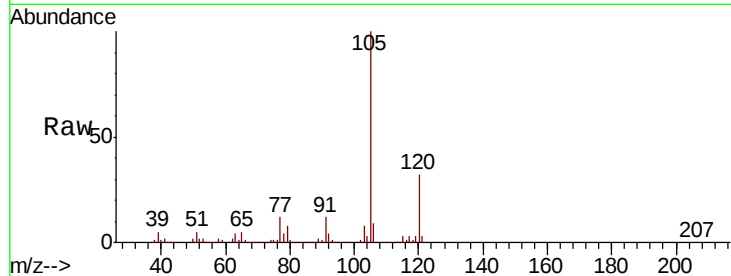




#79
 2-Chlorotoluene
 Concen: 4.365 ug/l
 RT: 10.66 min Scan# 2976
 Delta R.T. 0.02 min
 Lab File: VU034183.D
 Acq: 01 Sep 2019 20:45

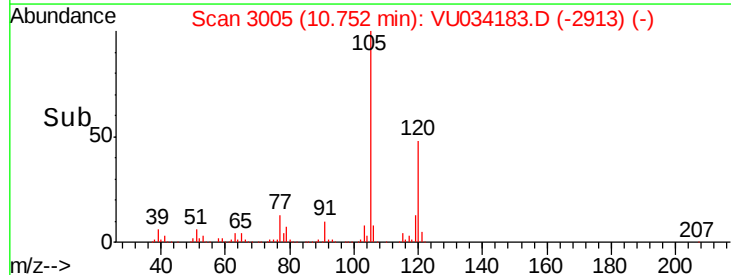
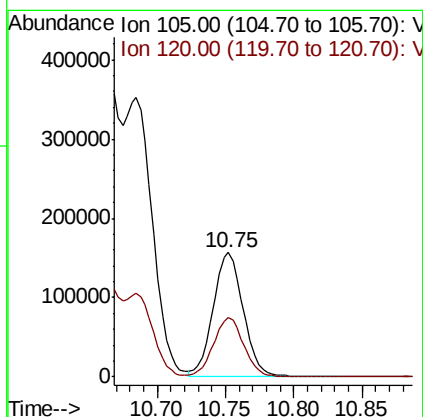
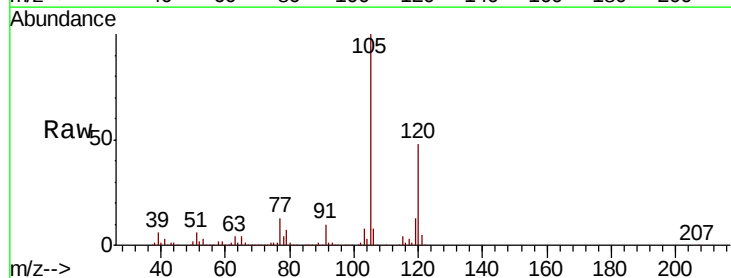
Instrument :
 MSVOA_U
 ClientSampled :

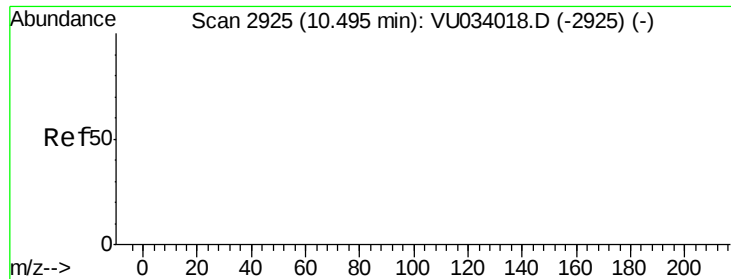
Tot Ion: 91 Resp: 77274
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.1 51.2#



#80
 1,3,5-Trimethylbenzene
 Concen: 11.134 ug/l
 RT: 10.75 min Scan# 3005
 Delta R.T. -0.00 min
 Lab File: VU034183.D
 Acq: 01 Sep 2019 20:45

Tgt Ion: 105 Resp: 239169
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.6 73.6

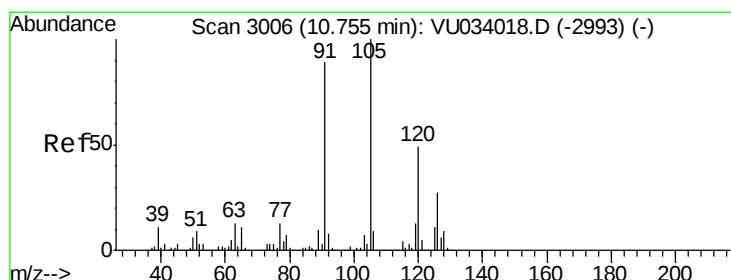
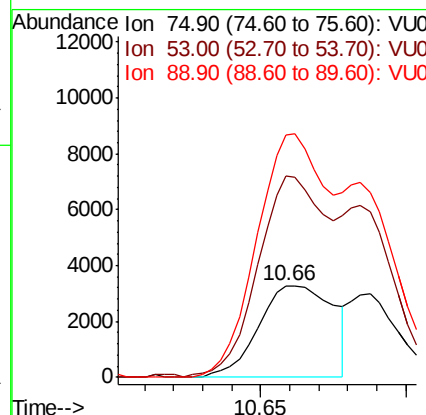
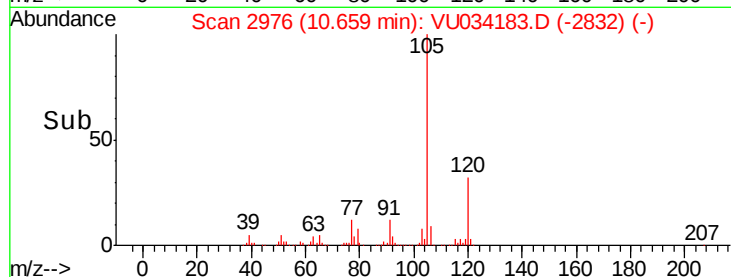
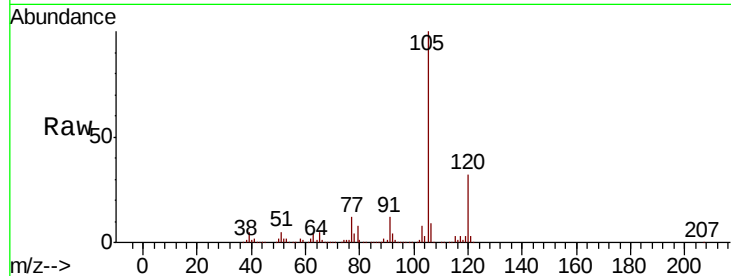




#81
trans-1,4-Dichloro-2-butene
Concen: 2.330 ug/l
RT: 10.66 min Scan# 2976
Delta R.T. 0.16 min
Lab File: VU034183.D
Acq: 01 Sep 2019 20:45

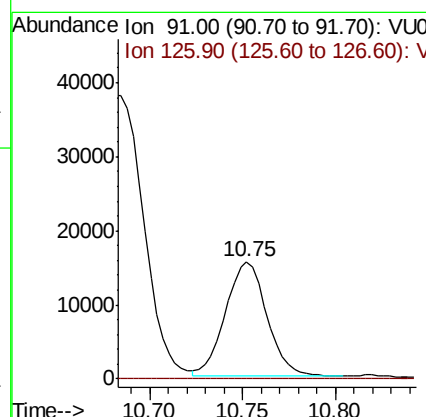
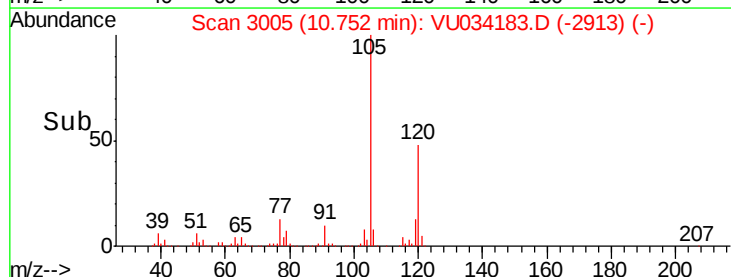
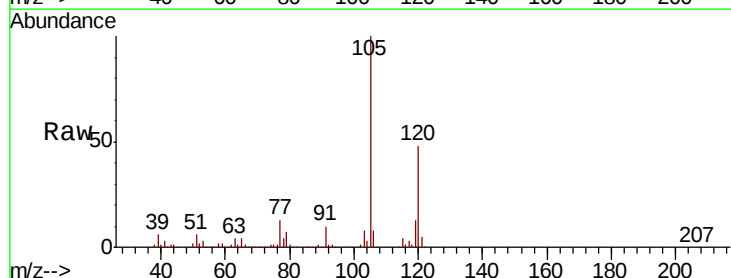
Instrument :
MSVOA_U
ClientSampleId :

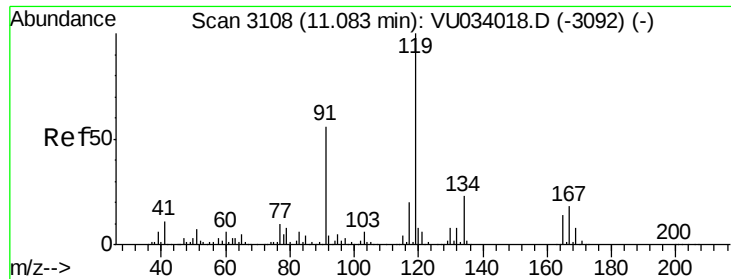
Tot Ion: 75 Resp: 5885
Ion Ratio Lower Upper
75 100
53 199.1 0.0 0.0#
89 243.2 0.0 0.0#



#82
4-Chlorotoluene
Concen: 1.179 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU034183.D
Acq: 01 Sep 2019 20:45

Tgt Ion: 91 Resp: 24014
Ion Ratio Lower Upper
91 100
126 0.0 15.0 45.1#

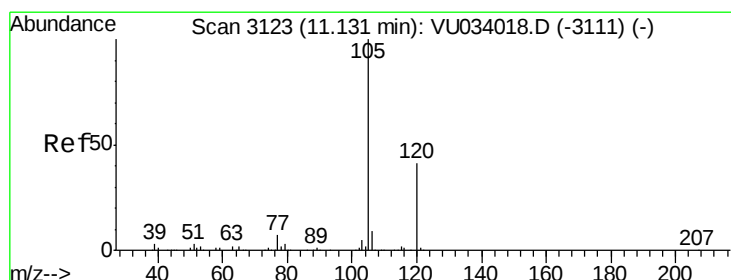
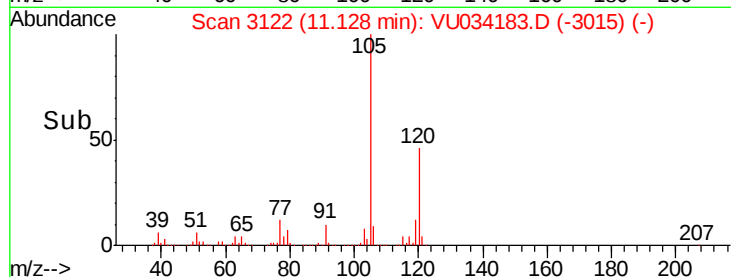
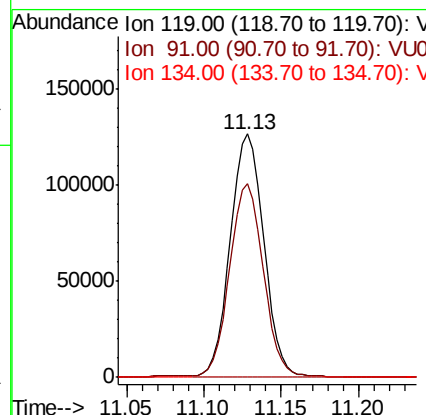
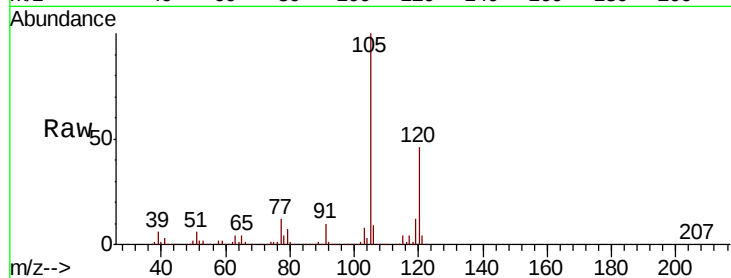




#83
tert-Butylbenzene
Concen: 8.969 ug/l
RT: 11.13 min Scan# 3122
Delta R.T. 0.04 min
Lab File: VU034183.D
Acq: 01 Sep 2019 20:45

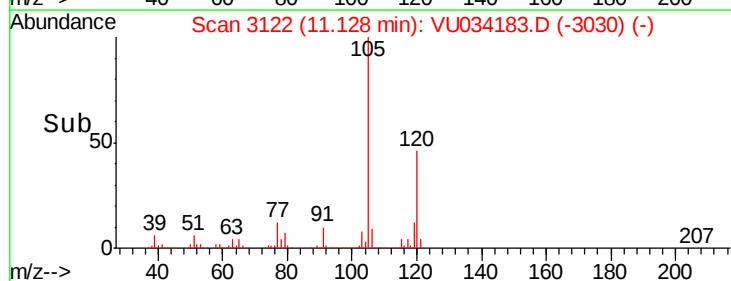
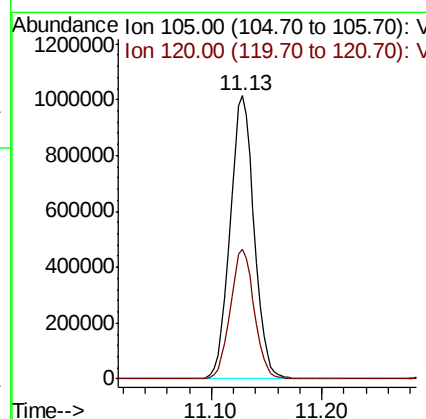
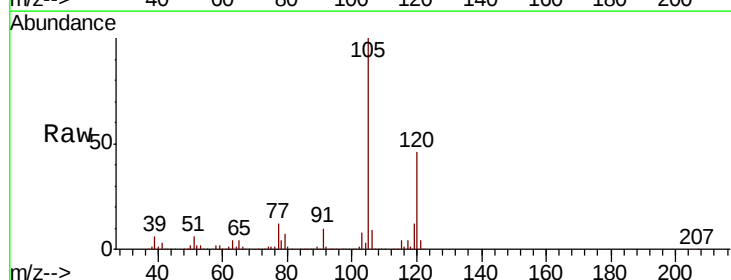
Instrument :
MSVOA_U
ClientSampleId :

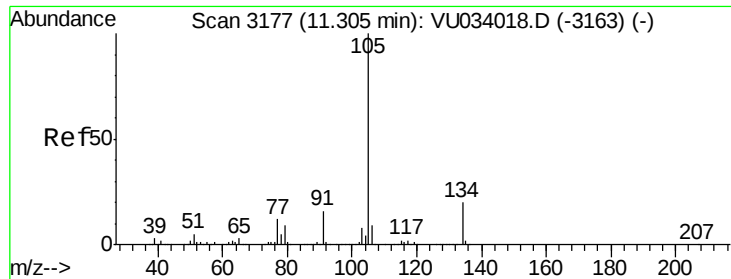
Tot Ion:119 Resp: 189650
Ion Ratio Lower Upper
119 100
91 79.6 27.9 83.6
134 0.0 11.4 34.2#



#84
1,2,4-Trimethylbenzene
Concen: 71.637 ug/l
RT: 11.13 min Scan# 3122
Delta R.T. -0.00 min
Lab File: VU034183.D
Acq: 01 Sep 2019 20:45

Tgt Ion:105 Resp: 1527965
Ion Ratio Lower Upper
105 100
120 45.6 22.6 67.8

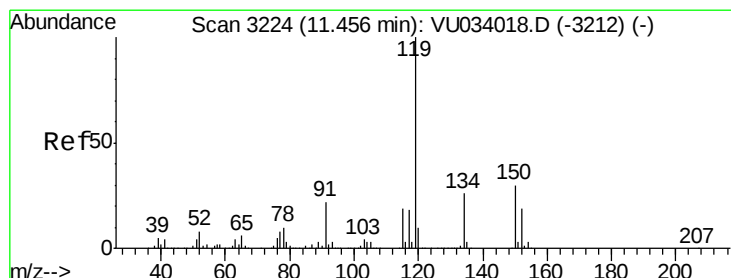
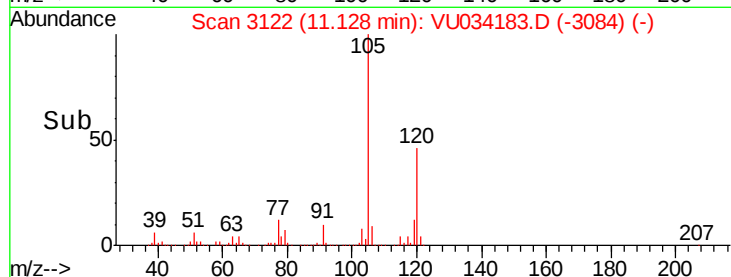
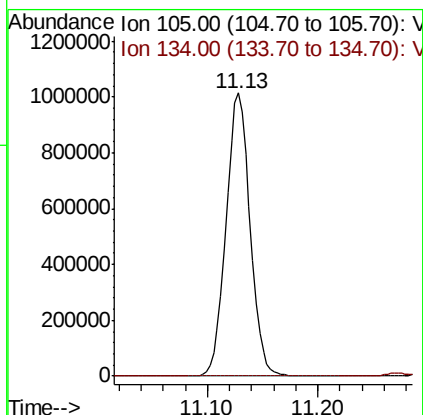
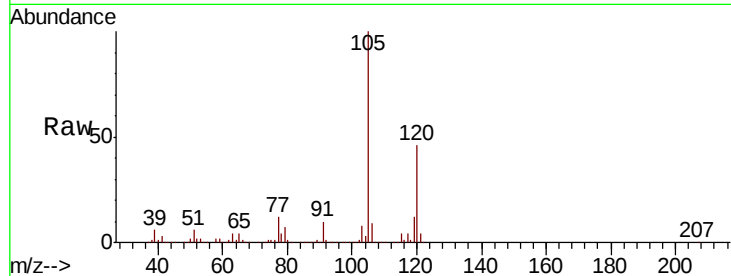




#85
 sec-Butylbenzene
 Concen: 60.289 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.18 min
 Lab File: VU034183.D
 Acq: 01 Sep 2019 20:45

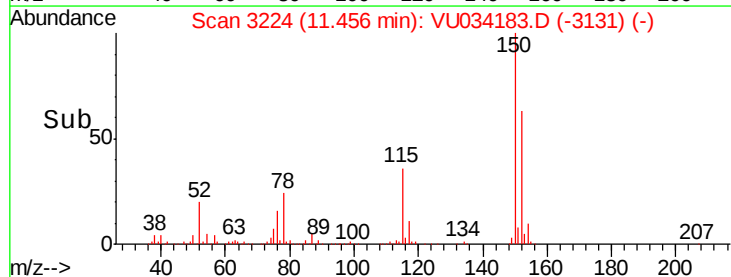
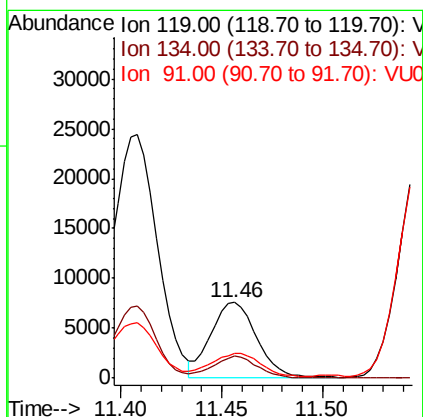
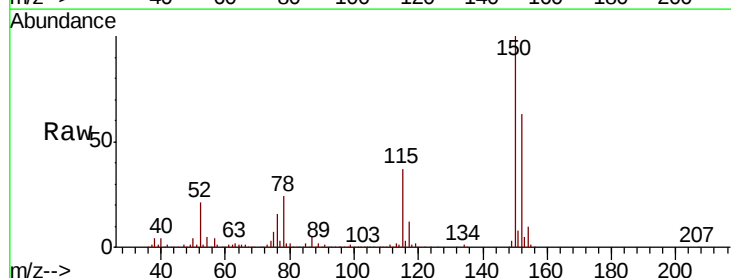
Instrument :
 MSVOA_U
 ClientSampled :

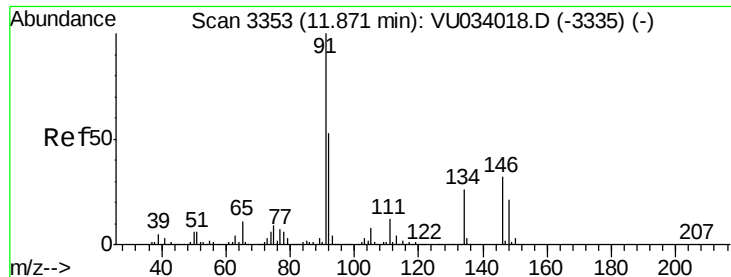
Tot Ion:105 Resp: 1527965
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 30.0#



#86
 p-Isopropyltoluene
 Concen: 0.516 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. -0.00 min
 Lab File: VU034183.D
 Acq: 01 Sep 2019 20:45

Tgt Ion:119 Resp: 11827
 Ion Ratio Lower Upper
 119 100
 134 27.8 13.1 39.1
 91 31.4 11.2 33.6

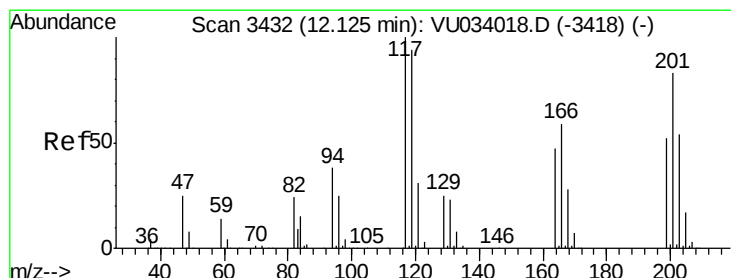
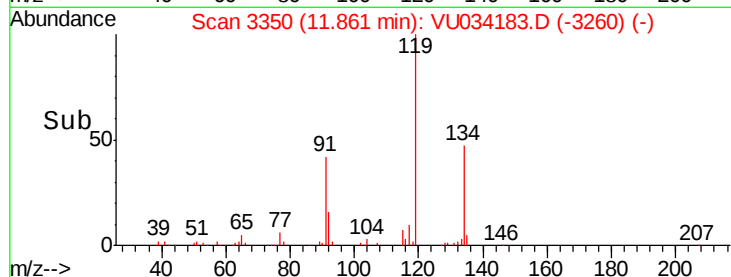
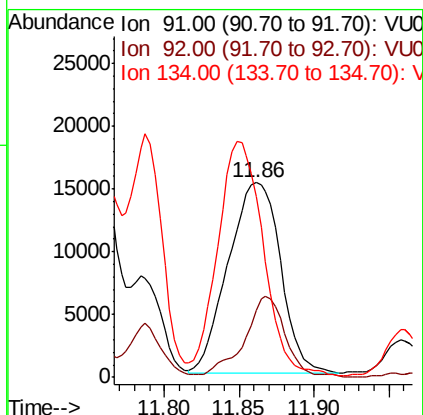
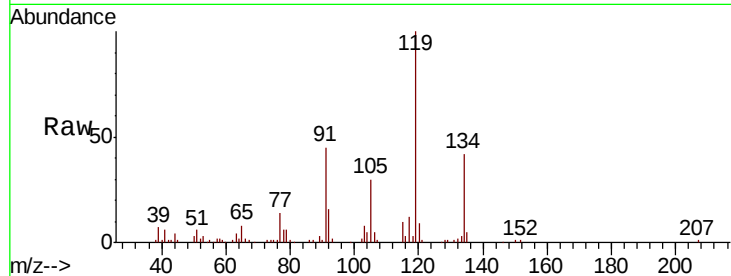




#89
n-Butylbenzene
Concen: 1.827 ug/l
RT: 11.86 min Scan# 3350
Delta R.T. -0.01 min
Lab File: VU034183.D
Acq: 01 Sep 2019 20:45

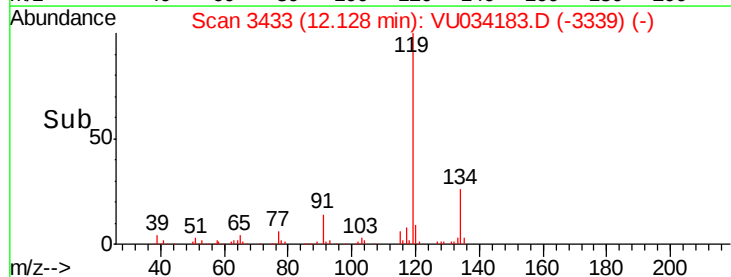
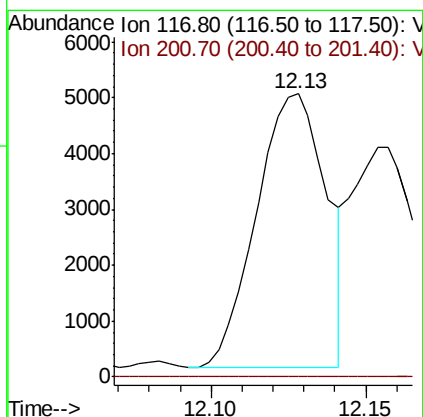
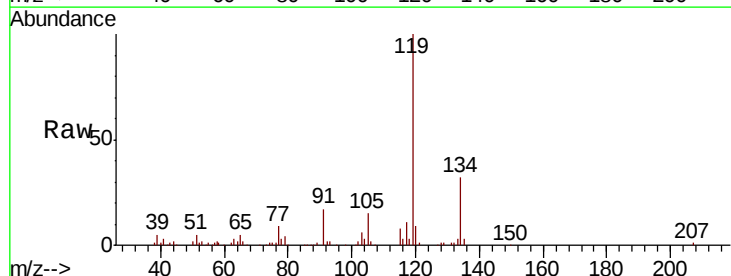
Instrument :
MSVOA_U
ClientSampleId :

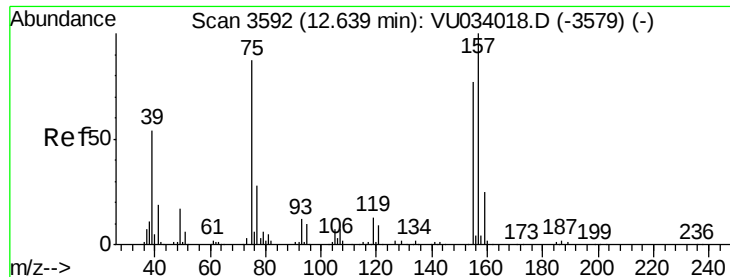
Tot Ion: 91 Resp: 36921
Ion Ratio Lower Upper
91 100
92 30.7 26.3 78.9
134 106.9 12.9 38.7#



#90
Hexachloroethane
Concen: 1.947 ug/l
RT: 12.13 min Scan# 3433
Delta R.T. 0.00 min
Lab File: VU034183.D
Acq: 01 Sep 2019 20:45

Tgt Ion: 117 Resp: 7715
Ion Ratio Lower Upper
117 100
201 0.0 42.5 127.6#

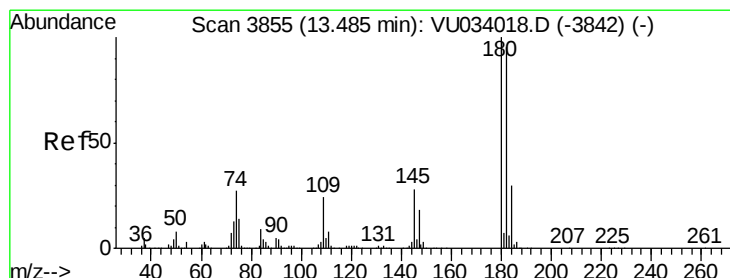
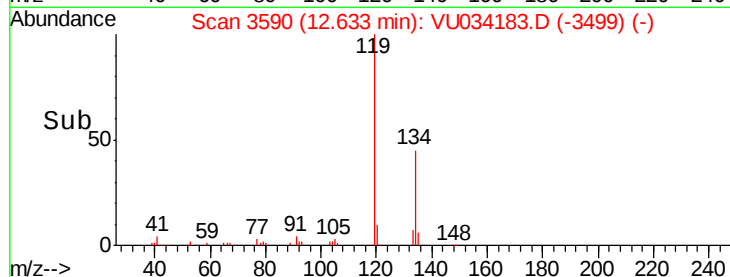
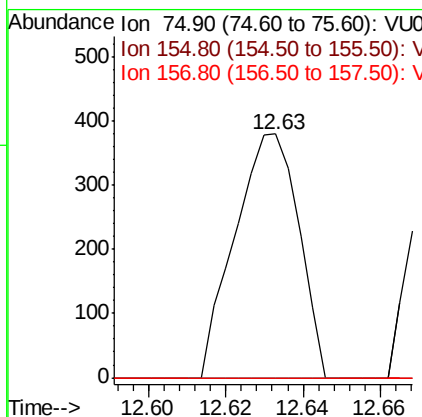
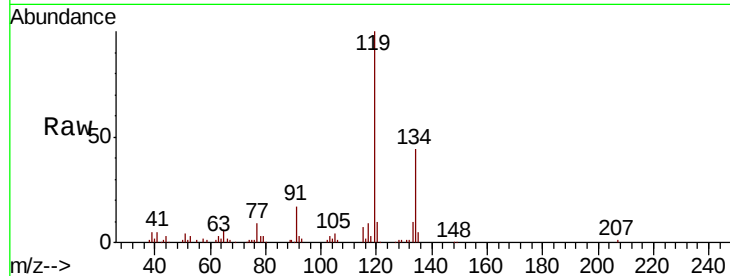




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.225 ug/l
 RT: 12.63 min Scan# 3590
 Delta R.T. -0.01 min
 Lab File: VU034183.D
 Acq: 01 Sep 2019 20:45

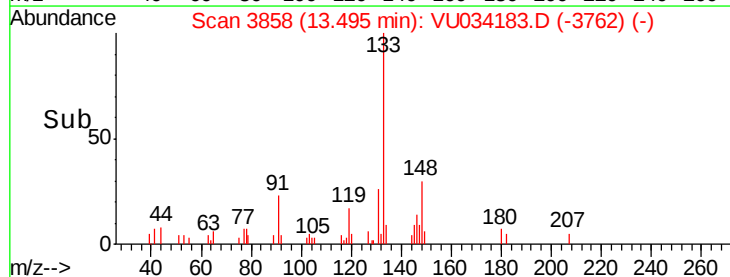
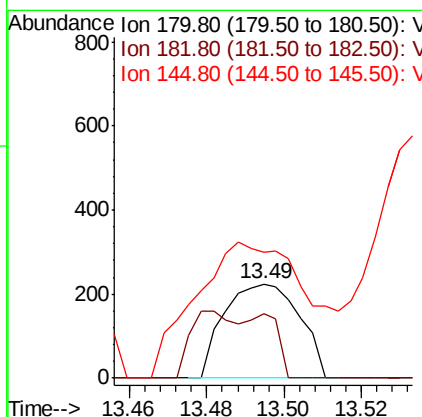
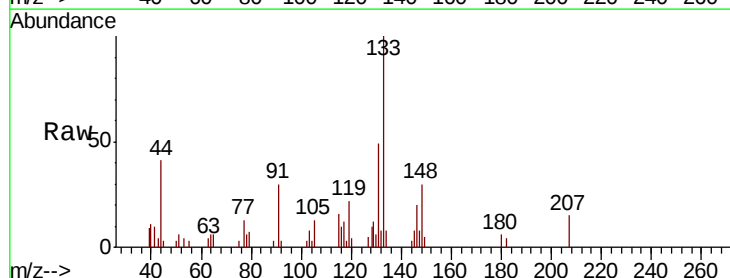
Instrument :
 MSVOA_U
 ClientSampleId :

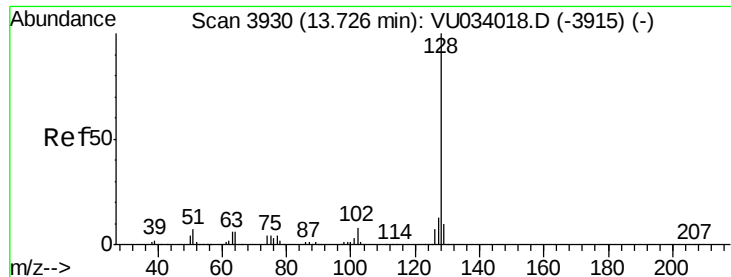
Tot Ion: 75 Resp: 435
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.5 130.7#
 157 0.0 56.9 170.6#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.150 ug/l
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.01 min
 Lab File: VU034183.D
 Acq: 01 Sep 2019 20:45

Tgt Ion: 180 Resp: 304
 Ion Ratio Lower Upper
 180 100
 182 43.8 47.4 142.2#
 145 216.4 14.1 42.3#

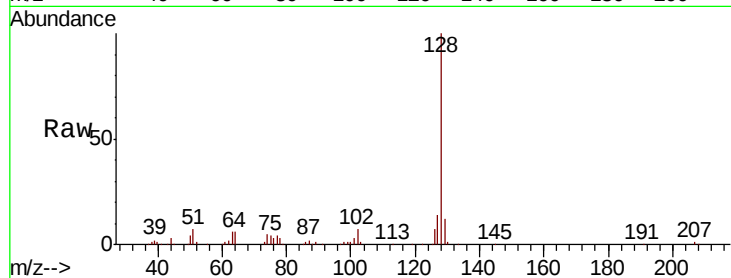




#95
Naphthalene
Concen: 6.696 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034183.D
Acq: 01 Sep 2019 20:45

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	11.0	8.4	12.6



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

