

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082919\
 Data File : VU034026.D
 Acq On : 28 Aug 2019 16:32
 Operator : JC/SP
 Sample : K4553-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TB-20190826

Quant Time: Aug 29 04:16:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	480898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	757069	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	701548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	332299	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	293172	47.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.16%	
35) Dibromofluoromethane	4.86	113	241858	46.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.12%	
50) Toluene-d8	7.55	98	937974	47.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.42%	
62) 4-Bromofluorobenzene	10.29	95	322528	42.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	4174	Below Cal		93
5) Bromomethane	1.63	94	1926	Below Cal		96
11) Tert butyl alcohol	2.81	59	4228	2.975	ug/l #	81
13) Acrolein	2.18	56	198	0.331	ug/l #	39
16) Acetone	2.31	43	12093	3.846	ug/l	100
29) Tetrahydrofuran	4.65	42	1696	0.629	ug/l #	86
31) Cyclohexane	4.96	56	9371	1.018	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	34835	4.865	ug/l #	49
38) Carbon Tetrachloride	4.96	117	45927	6.644	ug/l #	16
41) Methacrylonitrile	4.64	41	1152	0.280	ug/l #	34
76) 1,2,3-Trichloropropane	10.29	75	155140	20.715	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	155140	69.751	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.55	180	288	1.153	ug/l #	36
95) Naphthalene	13.78	128	303	1.804	ug/l #	70

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

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MSVOA_U

ClientSampleId :

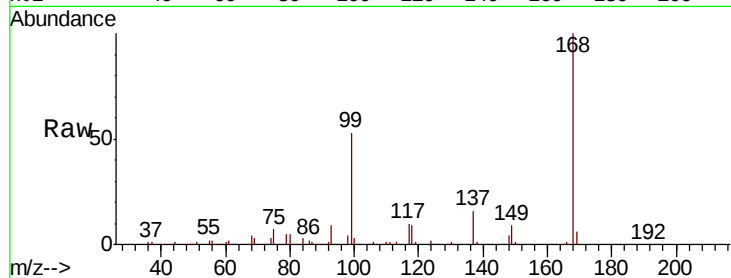
BP-TB-20190826

Tgt Ion:168 Resp: 480898

Ion Ratio Lower Upper

168 100

99 53.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034026.D (-1110) (-)

250000

200000

150000

100000

50000

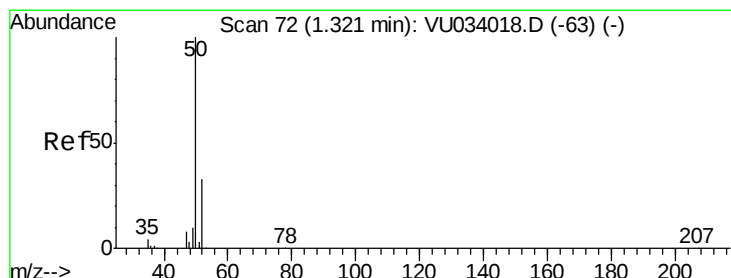
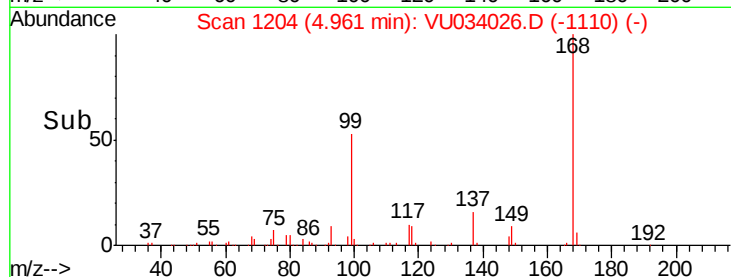
0

4.96

4.90

5.00

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034026.D

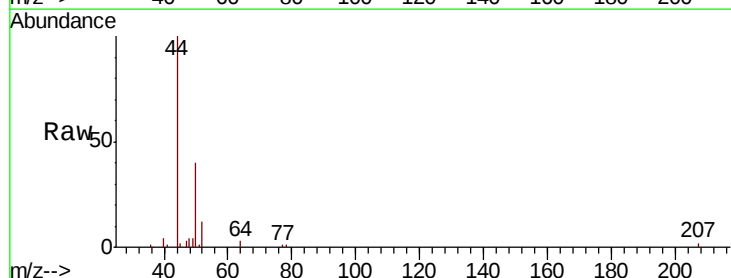
Acq: 28 Aug 2019 16:32

Tgt Ion: 50 Resp: 4174

Ion Ratio Lower Upper

50 100

52 29.1 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VU034018.D (-63) (-)

Ion 51.90 (51.60 to 52.60): VU034026.D (-1) (-)

4000

3000

2000

1000

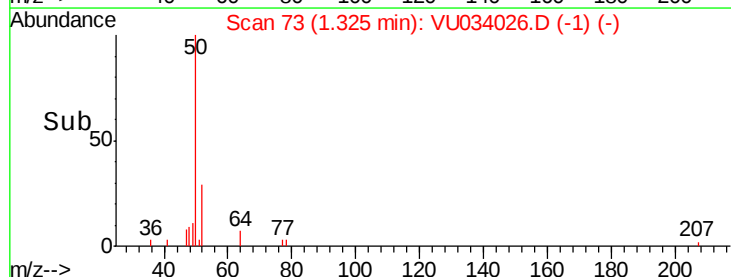
0

1.32

1.30

1.35

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 168

Delta R.T. 0.03 min

Lab File: VU034026.D

Acq: 28 Aug 2019 16:32

Instrument :

MSVOA_U

ClientSampleId :

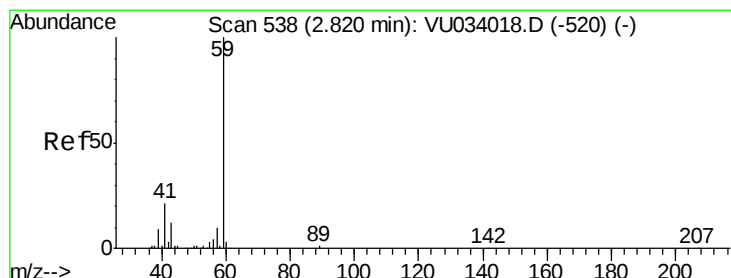
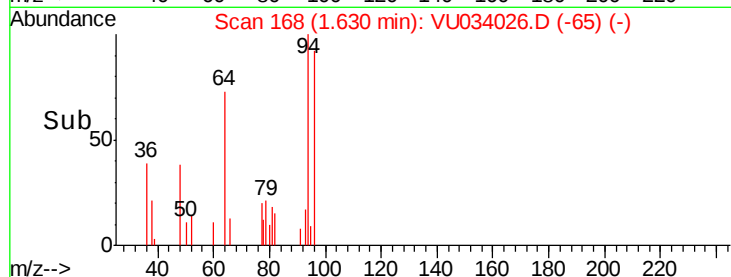
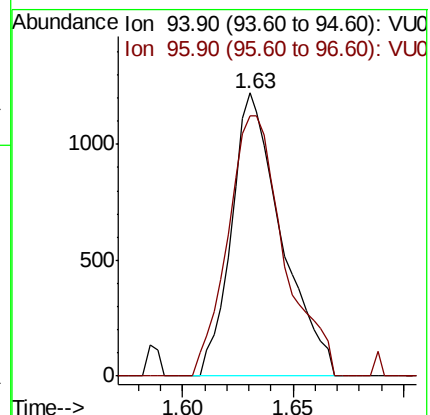
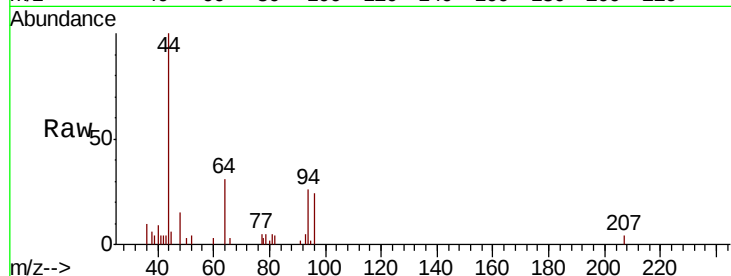
BP-TB-20190826

Tgt Ion: 94 Resp: 1926

Ion Ratio Lower Upper

94 100

96 92.0 76.3 114.5



#11

Tert butyl alcohol

Concen: 2.975 ug/l

RT: 2.81 min Scan# 535

Delta R.T. -0.01 min

Lab File: VU034026.D

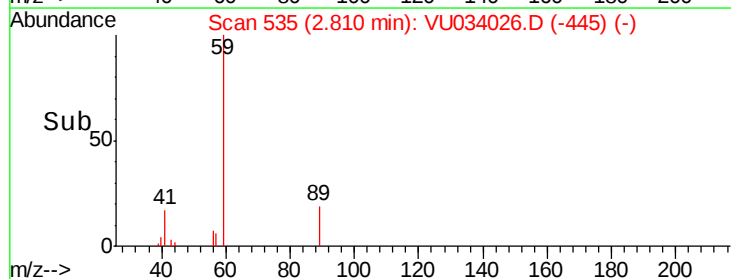
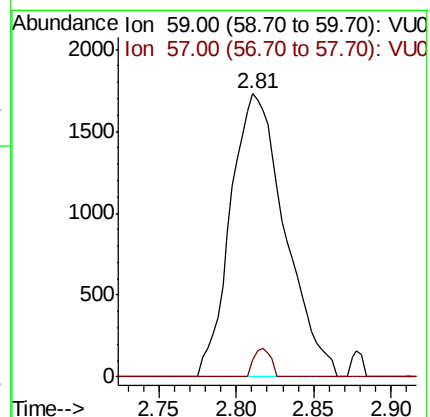
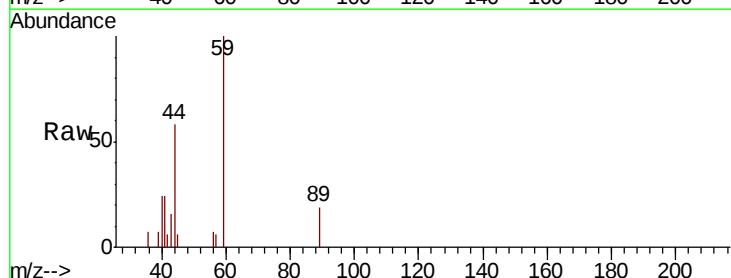
Acq: 28 Aug 2019 16:32

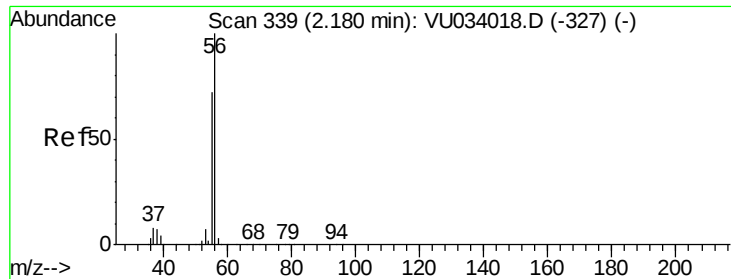
Tgt Ion: 59 Resp: 4228

Ion Ratio Lower Upper

59 100

57 3.1 8.0 12.0#





#13

Acrolein

Concen: 0.331 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034026.D

Acq: 28 Aug 2019 16:32

Instrument :

MSVOA_U

ClientSampleId :

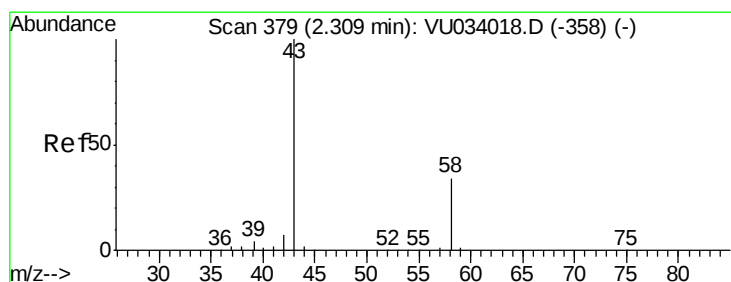
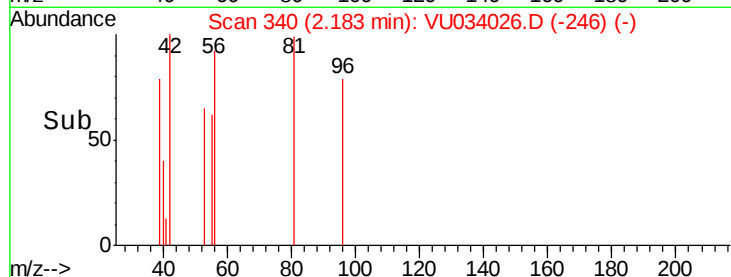
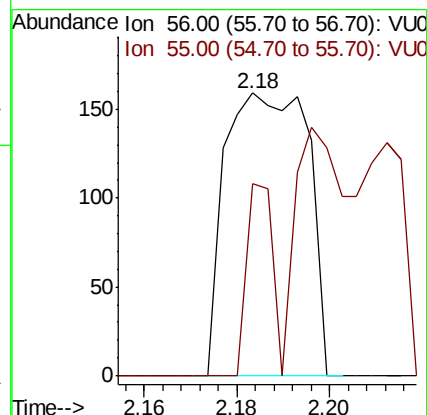
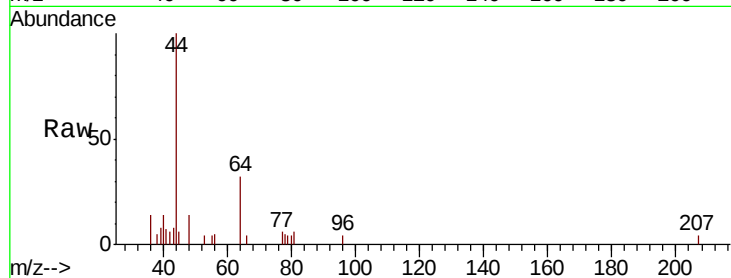
BP-TB-20190826

Tgt Ion: 56 Resp: 198

Ion Ratio Lower Upper

56 100

55 20.7 57.1 85.7#



#16

Acetone

Concen: 3.846 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034026.D

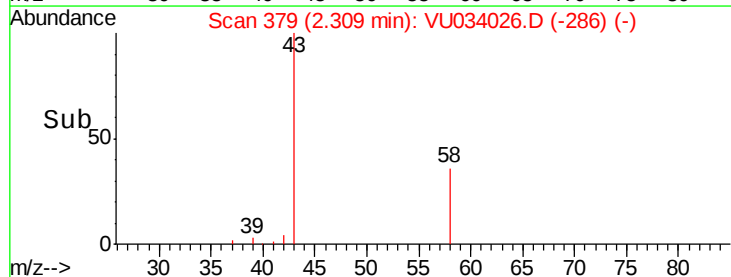
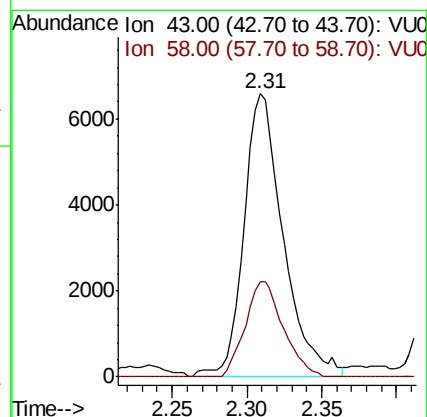
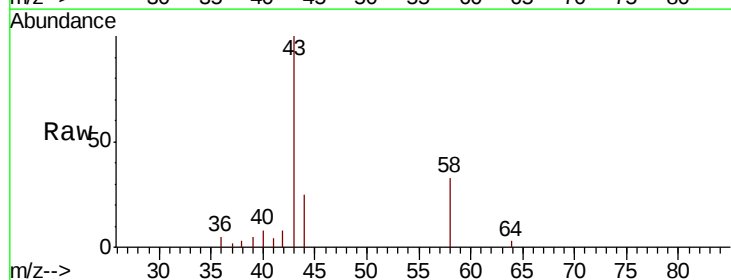
Acq: 28 Aug 2019 16:32

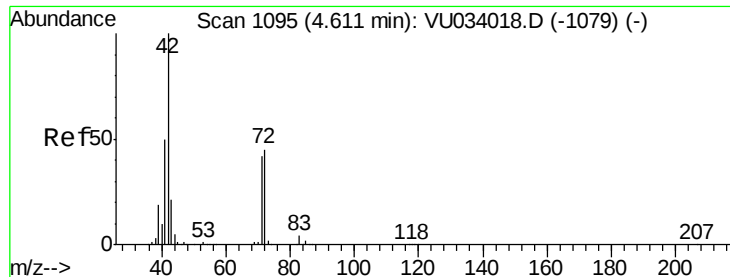
Tgt Ion: 43 Resp: 12093

Ion Ratio Lower Upper

43 100

58 33.5 26.8 40.2





#29

Tetrahydrofuran

Concen: 0.629 ug/l

RT: 4.65 min Scan# 1106

Delta R.T. 0.04 min

Lab File: VU034026.D

Acq: 28 Aug 2019 16:32

Instrument :

MSVOA_U

ClientSampleId :

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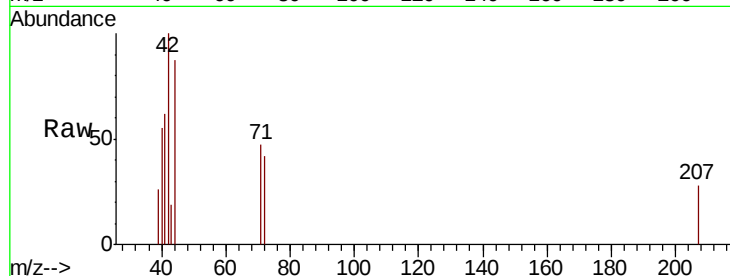
Tgt Ion: 42 Resp: 1696

Ion Ratio Lower Upper

42 100

72 31.3 35.8 53.6#

71 37.7 34.0 51.0

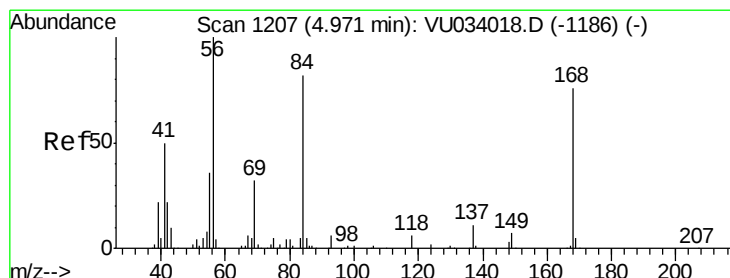
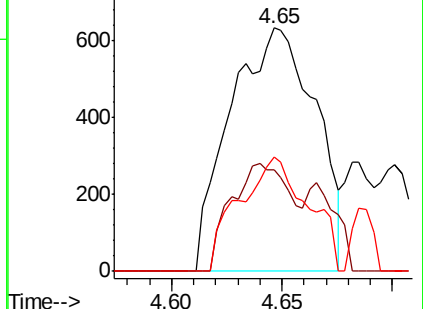
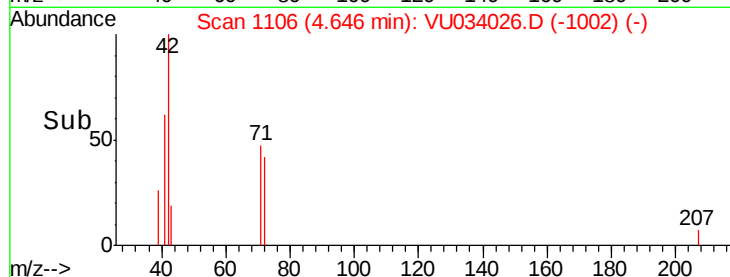


Abundance Ion 42.00 (41.70 to 42.70): VU034018.D (-1079) (-)

Ion 72.00 (71.70 to 72.70): VU034018.D (-1079) (-)

Ion 71.00 (70.70 to 71.70): VU034018.D (-1079) (-)

Time-->



#31

Cyclohexane

Concen: 1.018 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034026.D

Acq: 28 Aug 2019 16:32

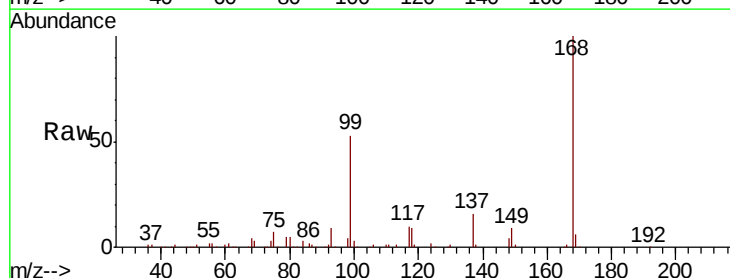
Tgt Ion: 56 Resp: 9371

Ion Ratio Lower Upper

56 100

69 176.2 25.4 38.0#

84 147.4 65.8 98.8#

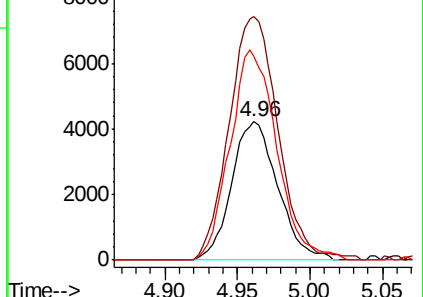
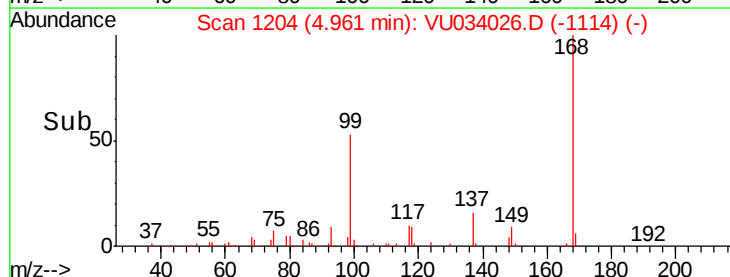


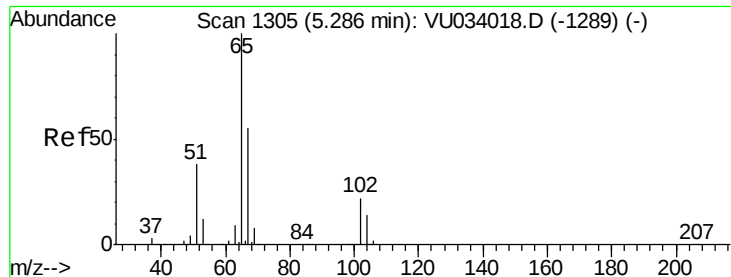
Abundance Ion 56.00 (55.70 to 56.70): VU034018.D (-1186) (-)

Ion 69.00 (68.70 to 69.70): VU034018.D (-1186) (-)

Ion 84.00 (83.70 to 84.70): VU034018.D (-1186) (-)

Time-->

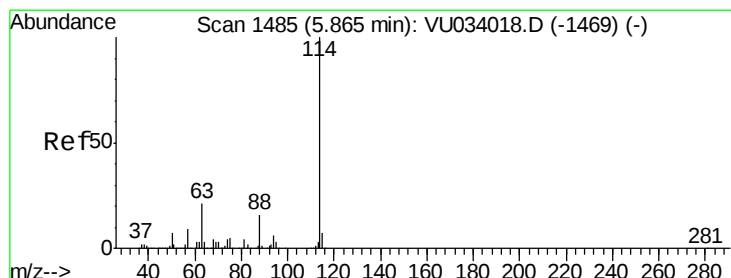
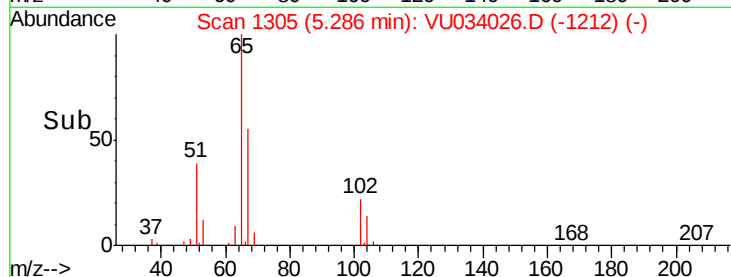
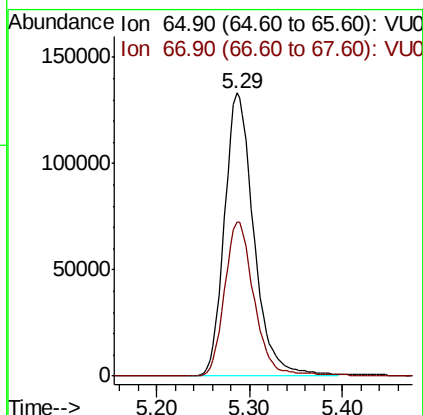
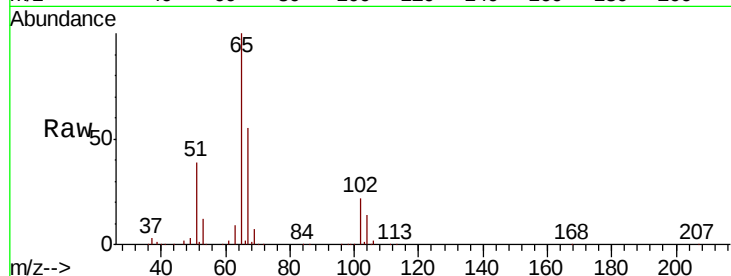




#33
 1,2-Dichloroethane-d4
 Concen: 47.578 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034026.D
 Acq: 28 Aug 2019 16:32

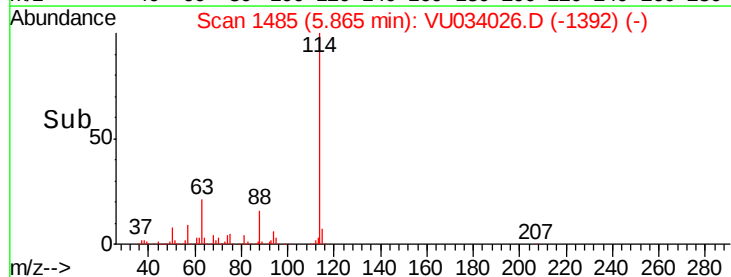
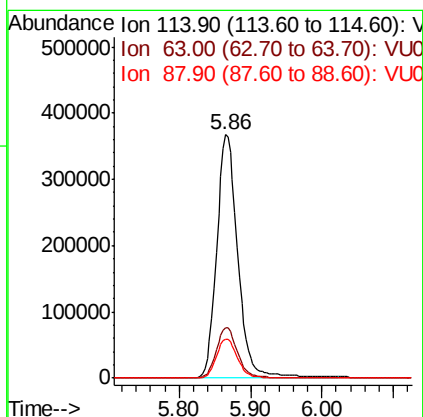
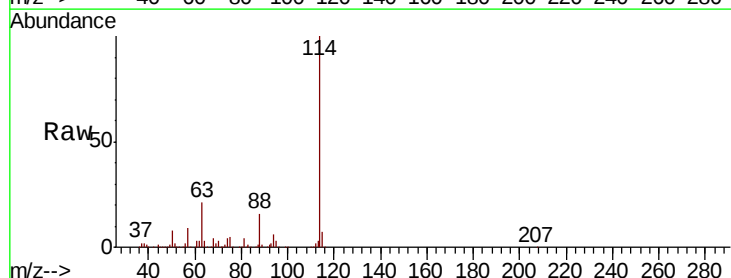
Instrument :
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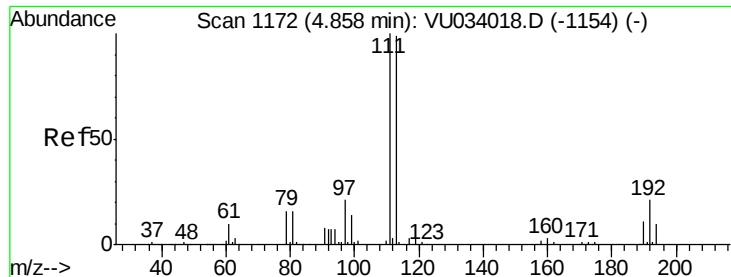
Tgt Ion: 65 Resp: 293172
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034026.D
 Acq: 28 Aug 2019 16:32

Tgt Ion: 114 Resp: 757069
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.0
 88 16.1 0.0 32.0

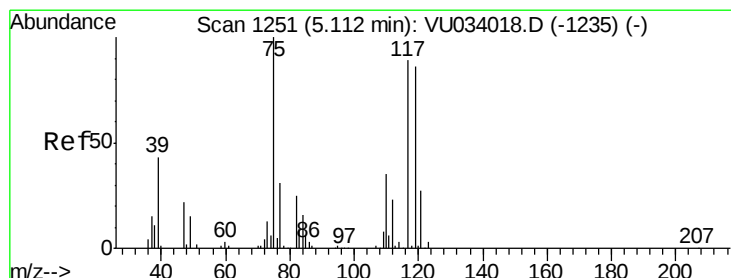
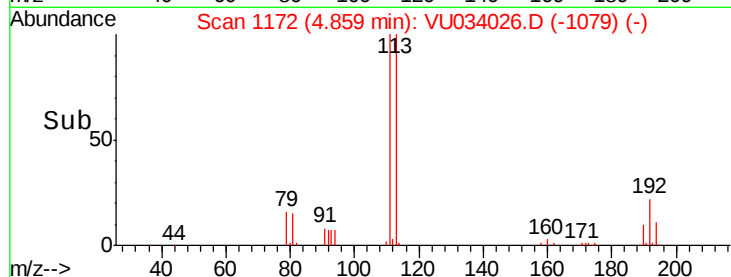
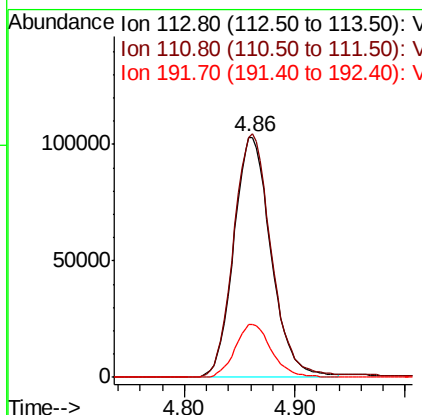
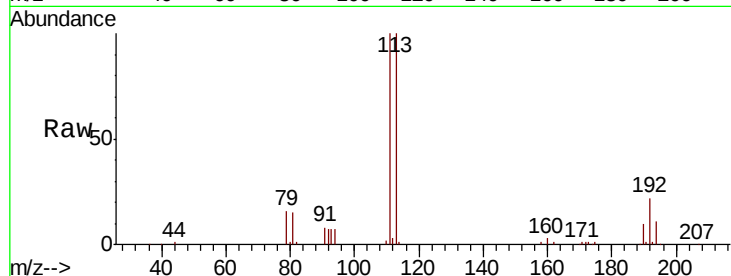




#35
 Dibromofluoromethane
 Concen: 46.060 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034026.D
 Acq: 28 Aug 2019 16:32

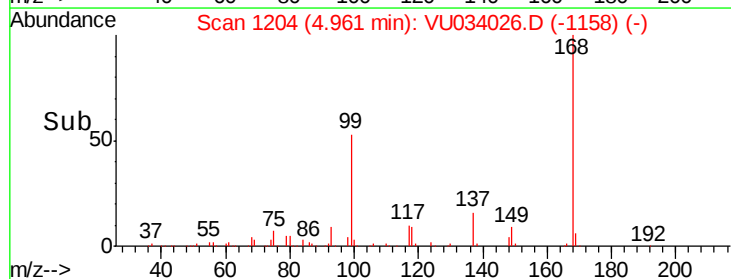
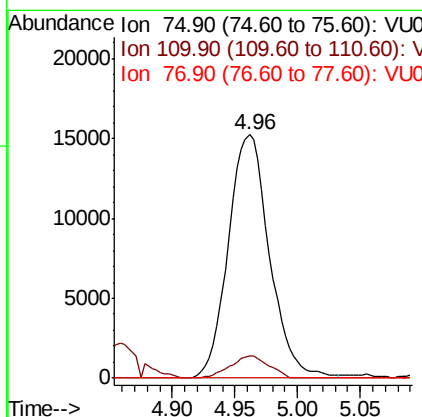
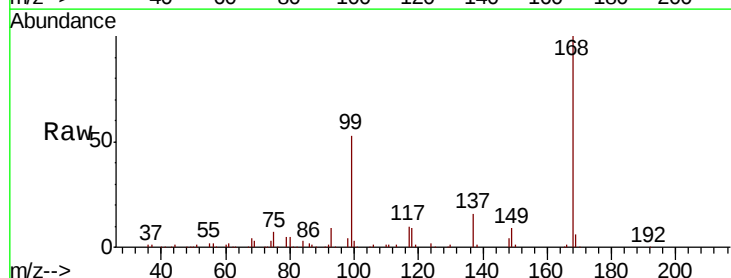
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TB-20190826

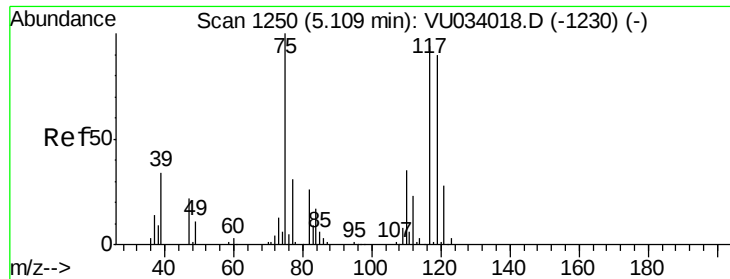
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.7	122.5
192	21.5	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 4.865 ug/l
 RT: 4.96 min Scan# 1204
 Delta R.T. -0.15 min
 Lab File: VU034026.D
 Acq: 28 Aug 2019 16:32

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: 6.644 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. -0.15 min

Lab File: VU034026.D

Acq: 28 Aug 2019 16:32

Instrument :

MSVOA_U

ClientSampleId :

BP-TB-20190826

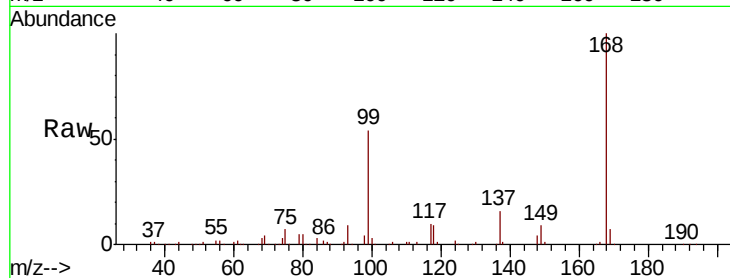
Tgt Ion:117 Resp: 45927

Ion Ratio Lower Upper

117 100

119 5.5 77.0 115.4#

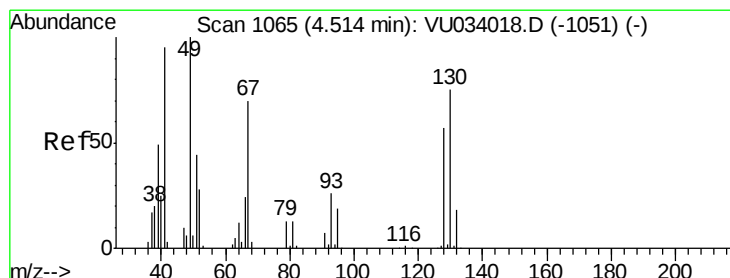
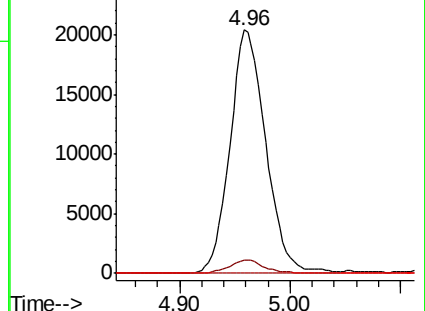
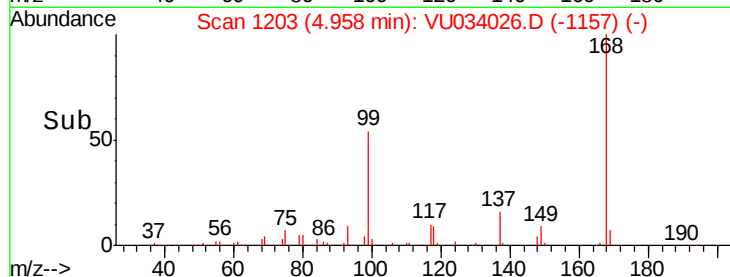
121 0.0 23.9 35.9#



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



#41

Methacrylonitrile

Concen: 0.280 ug/l

RT: 4.64 min Scan# 1105

Delta R.T. 0.13 min

Lab File: VU034026.D

Acq: 28 Aug 2019 16:32

Tgt Ion: 41 Resp: 1152

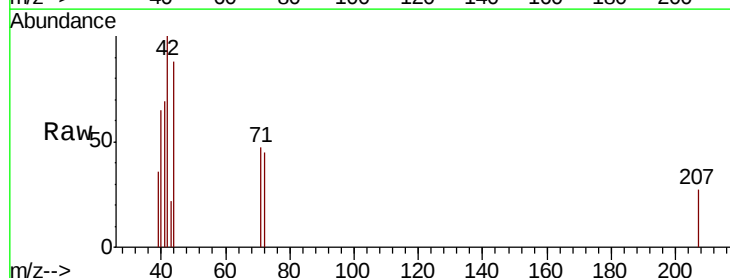
Ion Ratio Lower Upper

41 100

39 25.6 42.1 63.1#

67 0.0 61.0 91.4#

52 0.0 23.3 34.9#

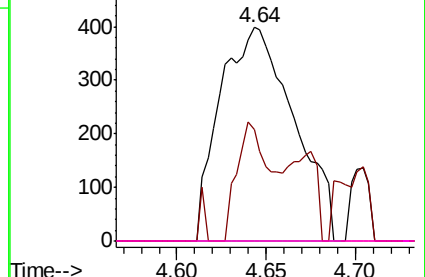
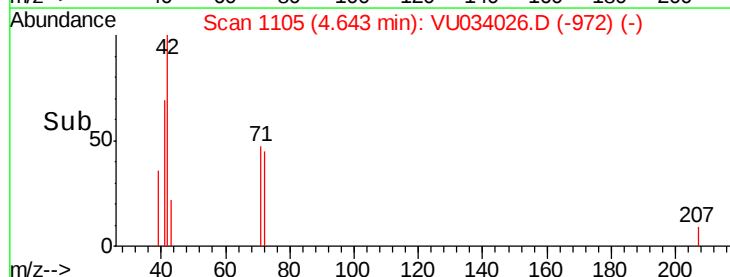


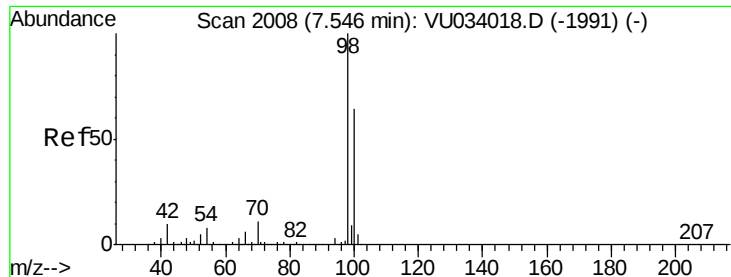
Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#50

Toluene-d8

Concen: 47.706 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU034026.D

Acq: 28 Aug 2019 16:32

Instrument :

MSVOA_U

ClientSampleId :

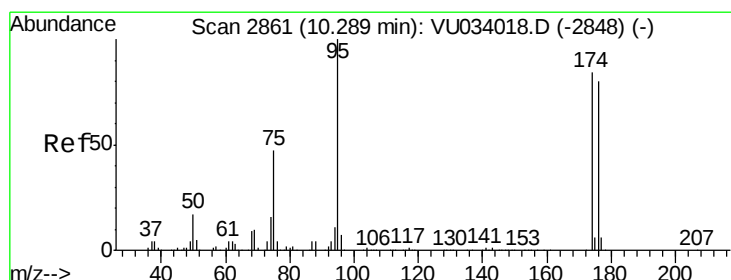
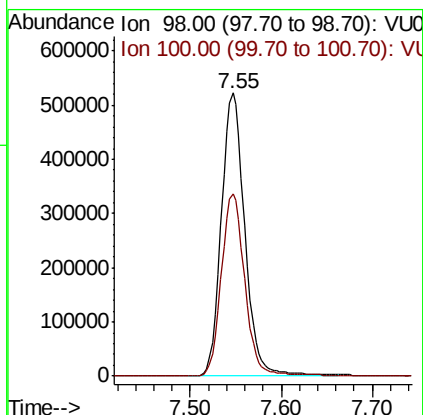
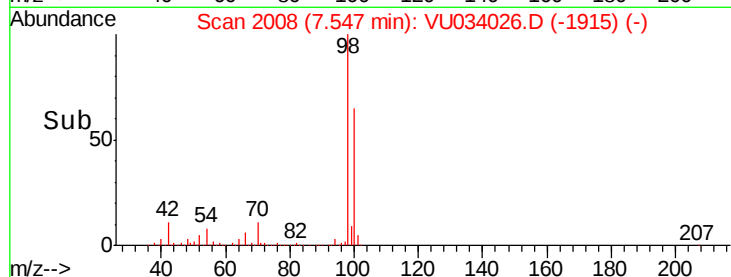
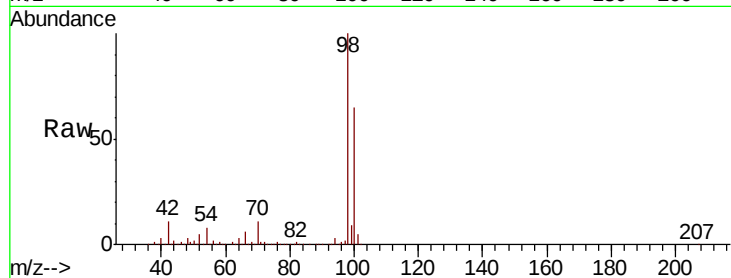
BP-TB-20190826

Tgt Ion: 98 Resp: 937974

Ion Ratio Lower Upper

98 100

100 64.5 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 42.171 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034026.D

Acq: 28 Aug 2019 16:32

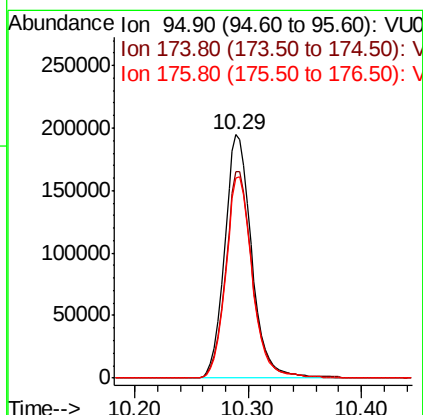
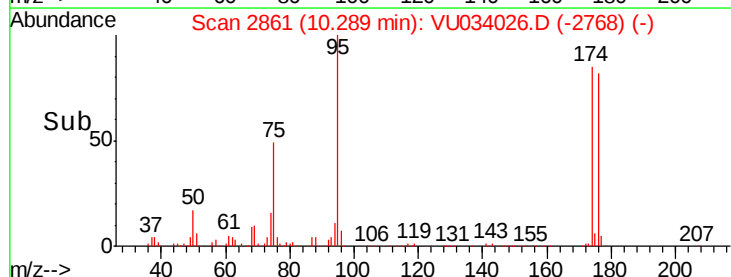
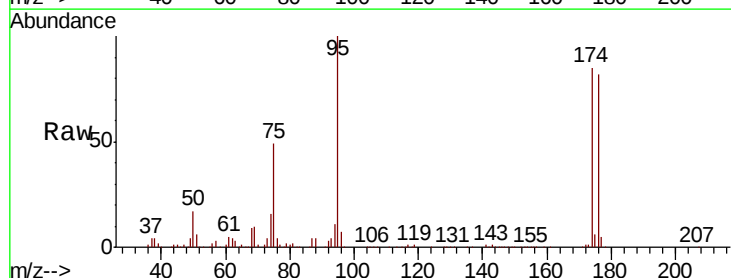
Tgt Ion: 95 Resp: 322528

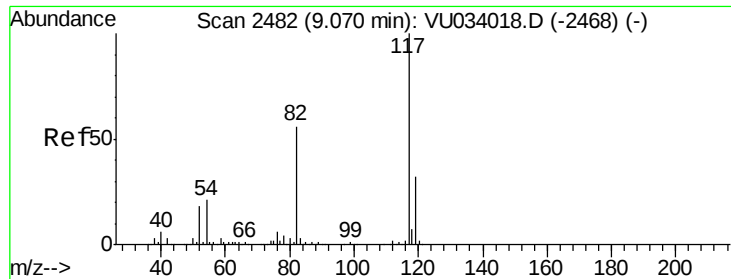
Ion Ratio Lower Upper

95 100

174 84.4 0.0 168.8

176 81.6 0.0 161.8

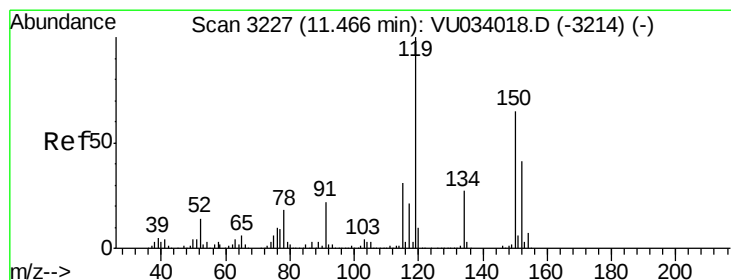
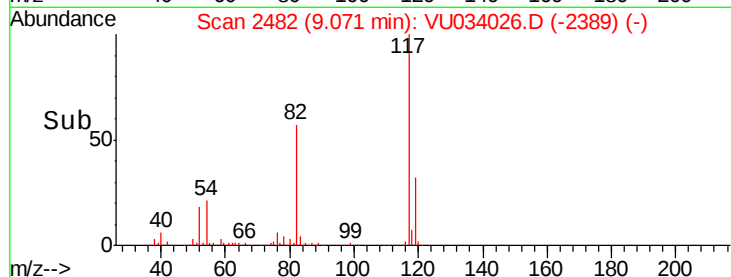
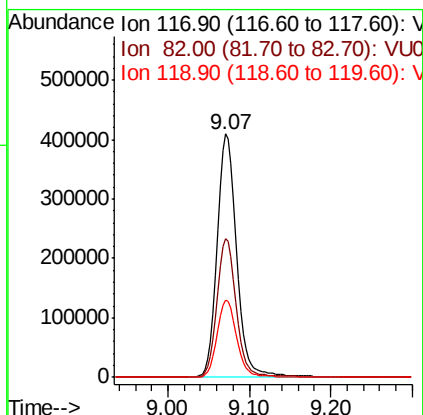
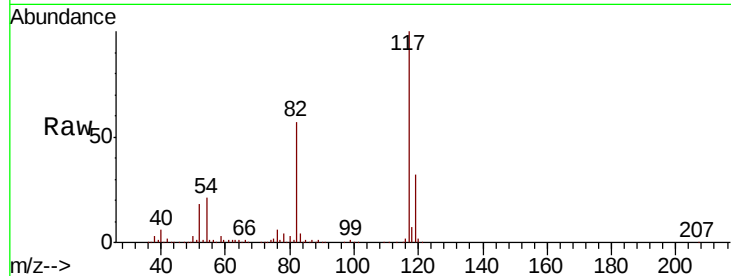




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034026.D
Acq: 28 Aug 2019 16:32

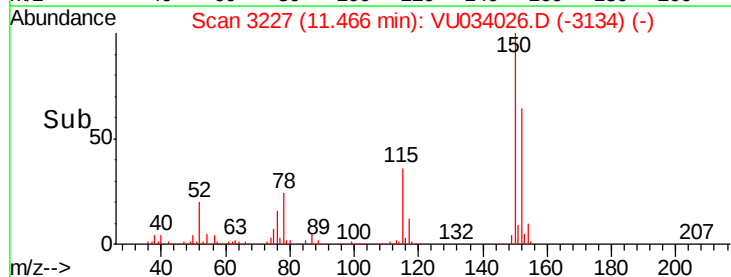
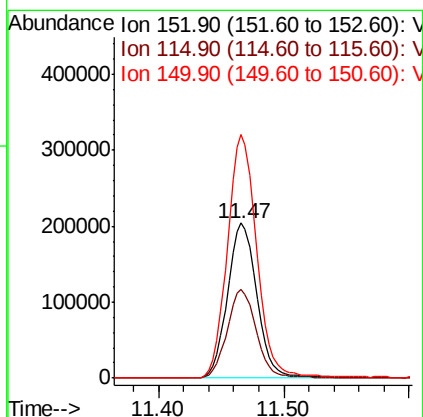
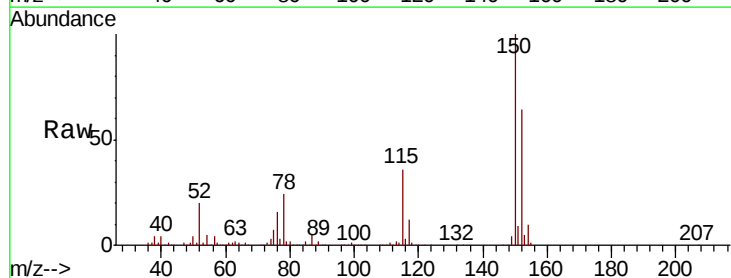
Instrument :
MSVOA_U
ClientSampleId :
BP-TB-20190826

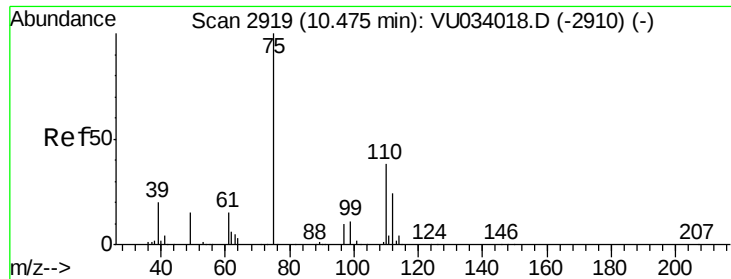
Tgt Ion:117 Resp: 701548
Ion Ratio Lower Upper
117 100
82 57.1 45.1 67.7
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VU034026.D
Acq: 28 Aug 2019 16:32

Tgt Ion:152 Resp: 332299
Ion Ratio Lower Upper
152 100
115 57.0 41.1 123.3
150 157.1 0.0 348.8

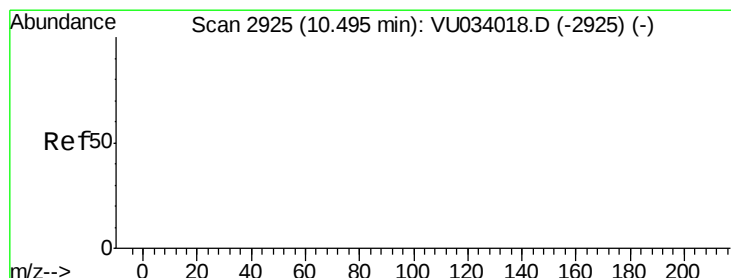
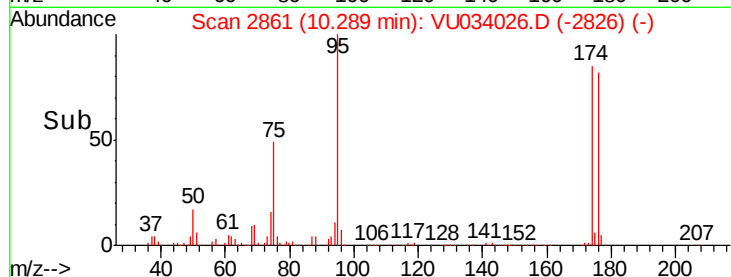
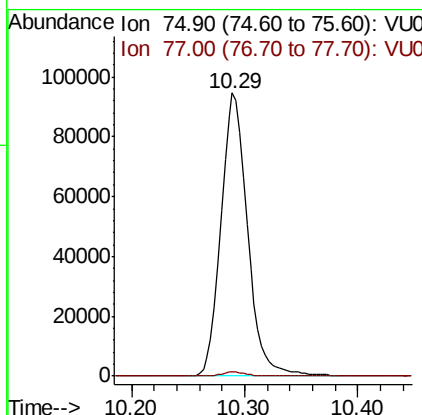
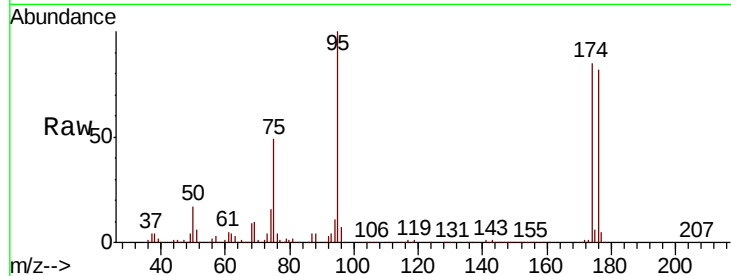




#76
 1,2,3-Trichloropropane
 Concen: 20.715 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.19 min
 Lab File: VU034026.D
 Acq: 28 Aug 2019 16:32

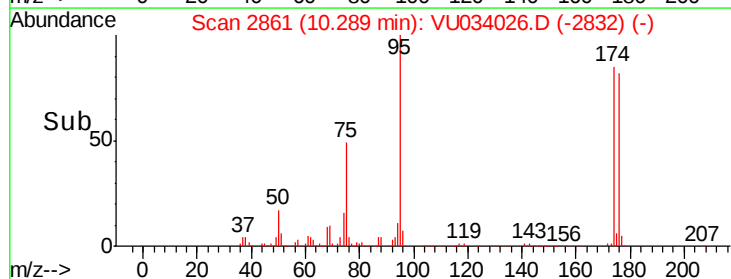
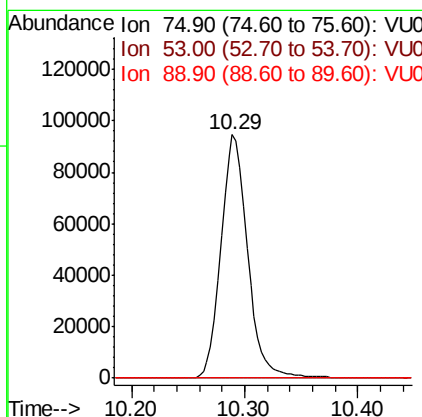
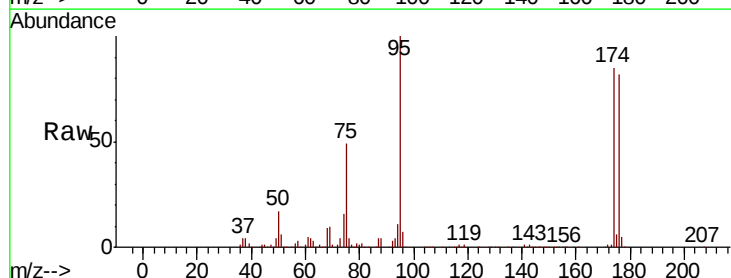
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TB-20190826

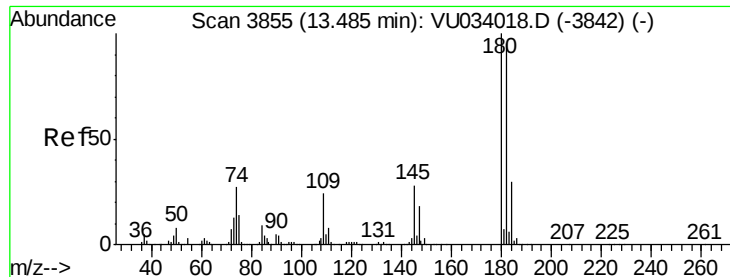
Tgt Ion: 75 Resp: 155140
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.1 60.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.751 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.21 min
 Lab File: VU034026.D
 Acq: 28 Aug 2019 16:32

Tgt Ion: 75 Resp: 155140
 Ion Ratio Lower Upper
 75 100
 53 0.1 0.0 0.0#
 89 0.0 0.0 0.0#

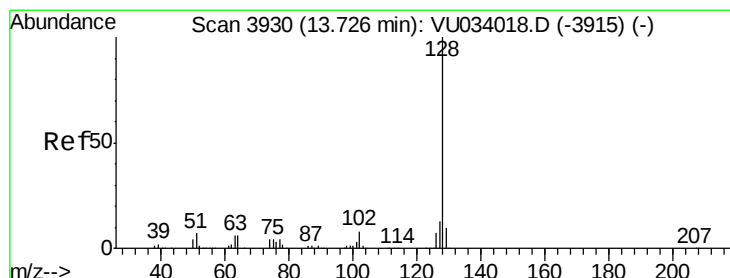
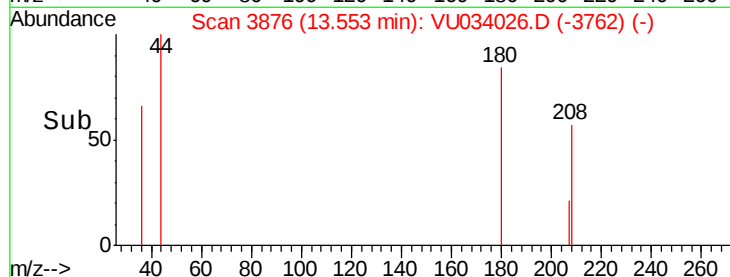
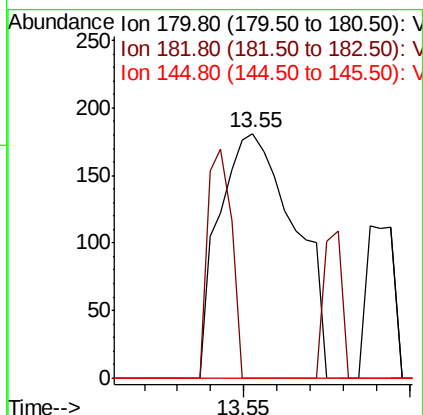
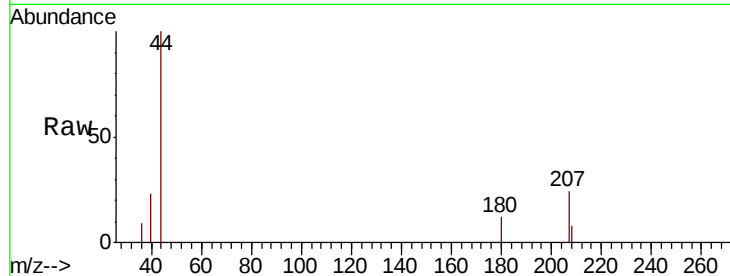




#93
 1,2,4-Trichlorobenzene
 Concen: 1.153 ug/l
 RT: 13.55 min Scan# 3876
 Delta R.T. 0.07 min
 Lab File: VU034026.D
 Acq: 28 Aug 2019 16:32

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TB-20190826

Tgt Ion:180 Resp: 288
 Ion Ratio Lower Upper
 180 100
 182 29.5 47.4 142.2#
 145 0.0 14.1 42.3#



#95
 Naphthalene
 Concen: 1.804 ug/l
 RT: 13.78 min Scan# 3947
 Delta R.T. 0.06 min
 Lab File: VU034026.D
 Acq: 28 Aug 2019 16:32

Tgt Ion:128 Resp: 303
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.4#
 129 0.0 8.4 12.6#

