

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU083119\
 Data File : VU034086.D
 Acq On : 30 Aug 2019 10:29
 Operator : JC/SP
 Sample : K4555-15
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TB-3

Quant Time: Aug 31 03:37:17 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	457195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	733551	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	713059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	349330	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	290515	49.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.18%	
35) Dibromofluoromethane	4.86	113	245559	48.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.52%	
50) Toluene-d8	7.55	98	930557	48.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.70%	
62) 4-Bromofluorobenzene	10.29	95	326787	44.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.20%	

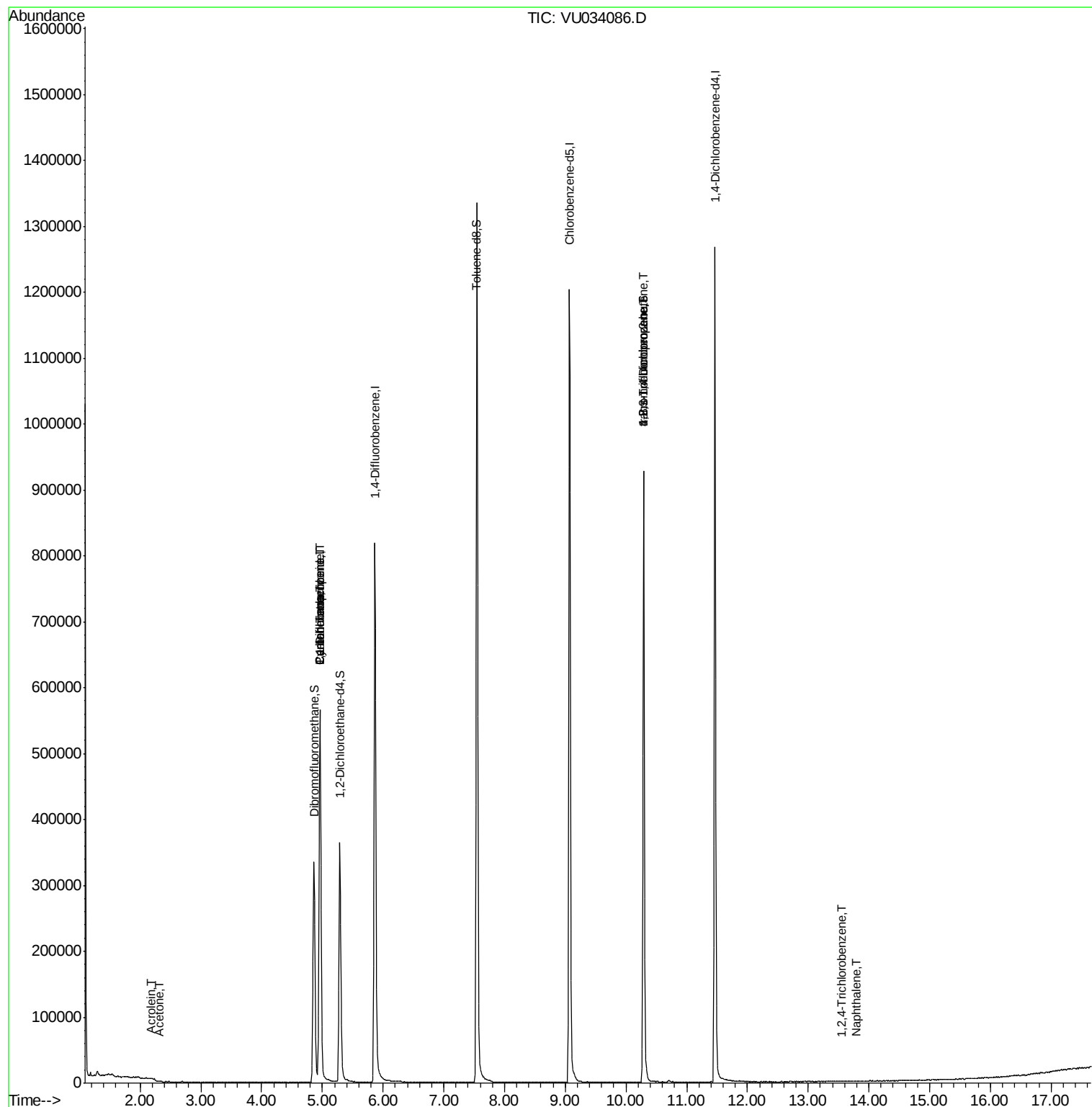
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	867	Below Cal		94
5) Bromomethane	1.60	94	85	Below Cal	#	2
13) Acrolein	2.18	56	135	0.238	ug/l #	73
16) Acetone	2.31	43	673	0.225	ug/l #	41
31) Cyclohexane	4.96	56	8488	0.970	ug/l #	1
36) 1,1-Dichloropropene	4.96	75	33159	4.779	ug/l #	49
38) Carbon Tetrachloride	4.96	117	42529	6.350	ug/l #	16
76) 1,2,3-Trichloropropane	10.29	75	155625	19.766	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.29	75	155625	66.558	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.55	180	41	1.119	ug/l #	12
95) Naphthalene	13.80	128	326	1.804	ug/l #	70

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034086.D

Acq: 30 Aug 2019 10:29

Instrument :

MSVOA_U

ClientSampleId :

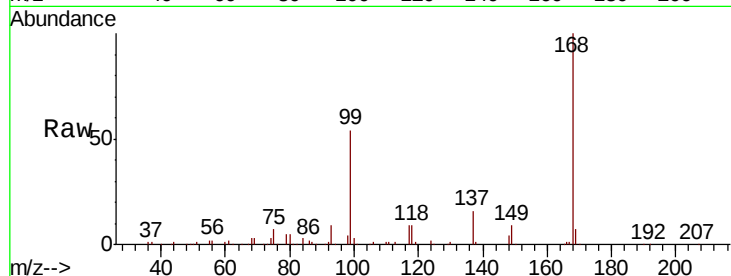
TB-3

Tgt Ion:168 Resp: 457195

Ion Ratio Lower Upper

168 100

99 54.4 42.3 63.5



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

Ion 98.90 (98.60 to 99.60): VU034018.D (-1185) (-)

4.96

200000

150000

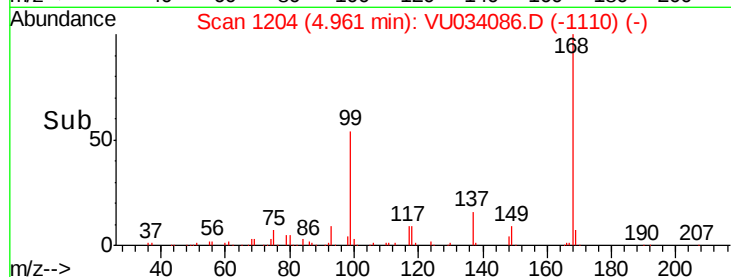
100000

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: VU034086.D

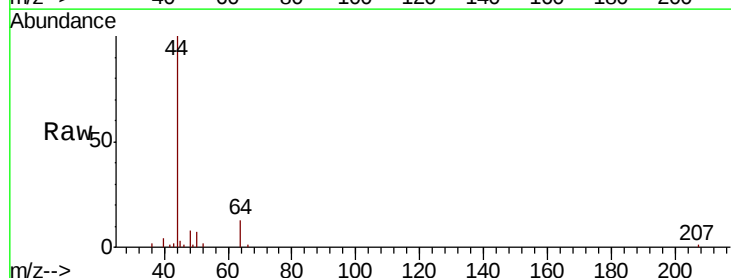
Acq: 30 Aug 2019 10:29

Tgt Ion: 50 Resp: 867

Ion Ratio Lower Upper

50 100

52 36.3 26.2 39.4



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

Ion 51.90 (51.60 to 52.60): VU034018.D (-63) (-)

1.32

600

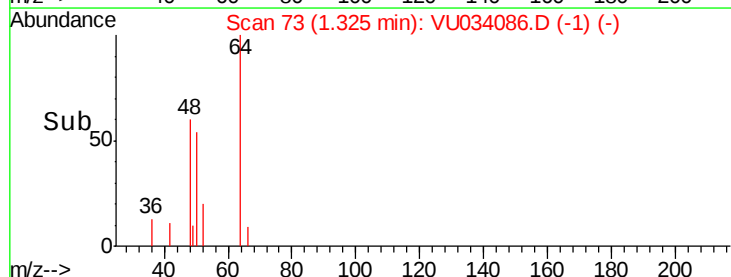
400

200

0

1.30 1.35

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.60 min Scan# 160

Delta R.T. 0.01 min

Lab File: VU034086.D

Acq: 30 Aug 2019 10:29

Instrument :

MSVOA_U

ClientSampleId :

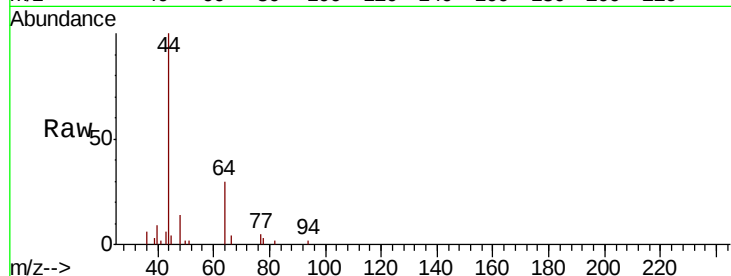
TB-3

Tgt Ion: 94 Resp: 85

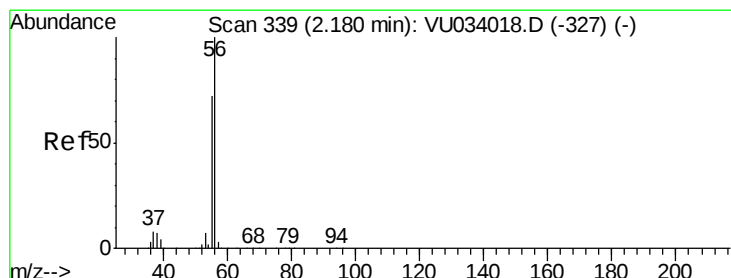
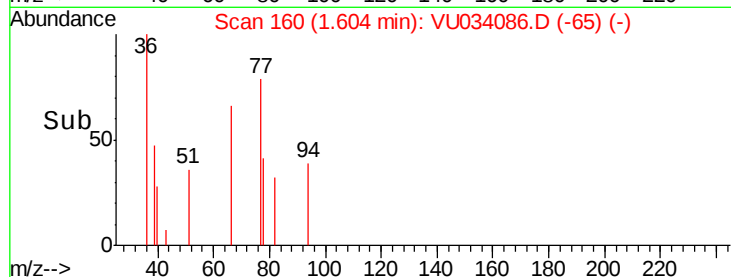
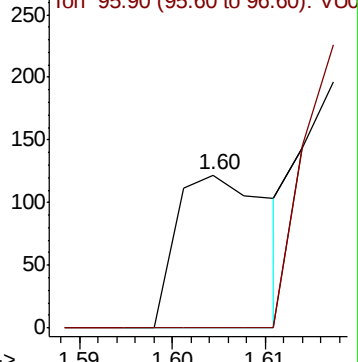
Ion Ratio Lower Upper

94 100

96 0.0 76.3 114.5#



Abundance Ion 93.90 (93.60 to 94.60): VU034086.D (-143) (-)



#13

Acrolein

Concen: 0.238 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034086.D

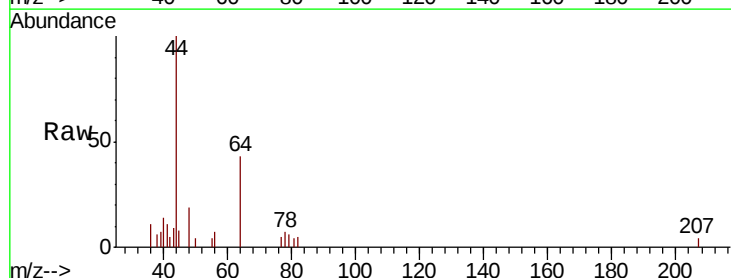
Acq: 30 Aug 2019 10:29

Tgt Ion: 56 Resp: 135

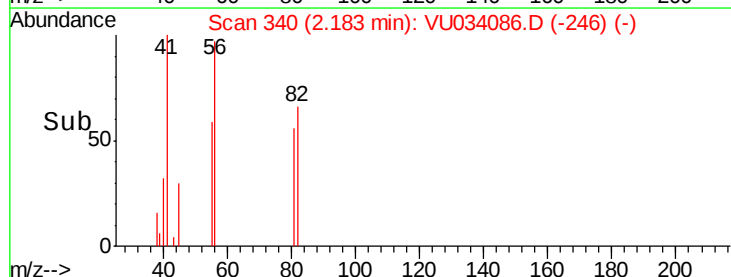
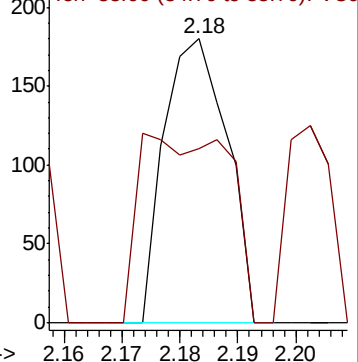
Ion Ratio Lower Upper

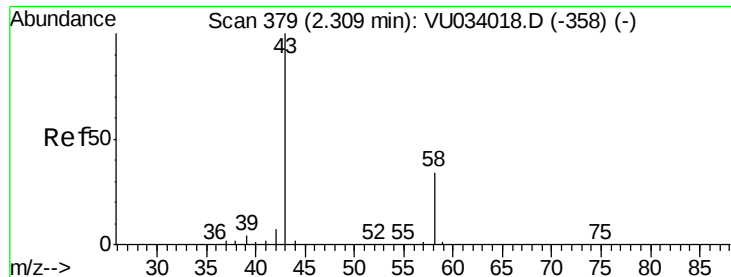
56 100

55 48.9 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VU034086.D (-327) (-)





#16

Acetone

Concen: 0.225 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034086.D

Acq: 30 Aug 2019 10:29

Instrument :

MSVOA_U

ClientSampleId :

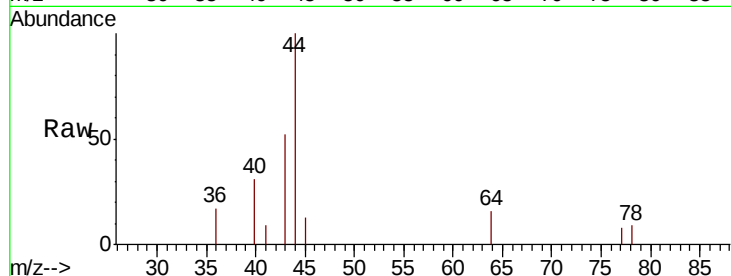
TB-3

Tgt Ion: 43 Resp: 673

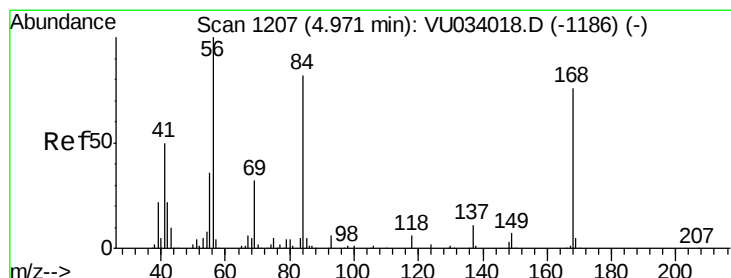
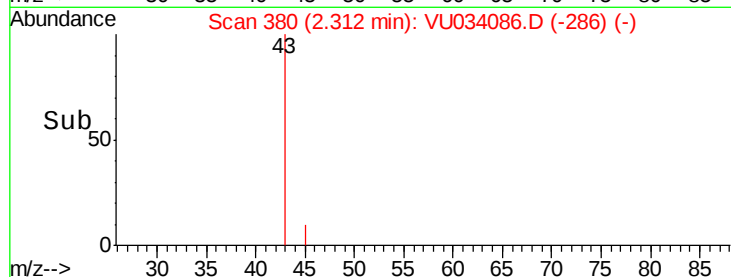
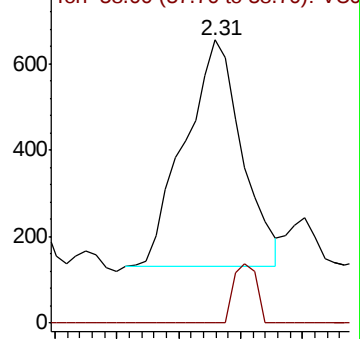
Ion Ratio Lower Upper

43 100

58 0.0 26.8 40.2#



Abundance Ion 43.00 (42.70 to 43.70): VU034086.D (-286) (-)



#31

Cyclohexane

Concen: 0.970 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VU034086.D

Acq: 30 Aug 2019 10:29

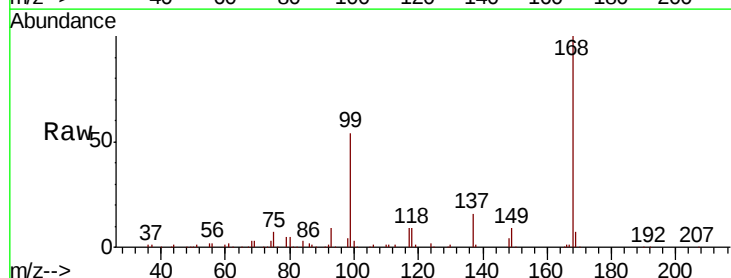
Tgt Ion: 56 Resp: 8488

Ion Ratio Lower Upper

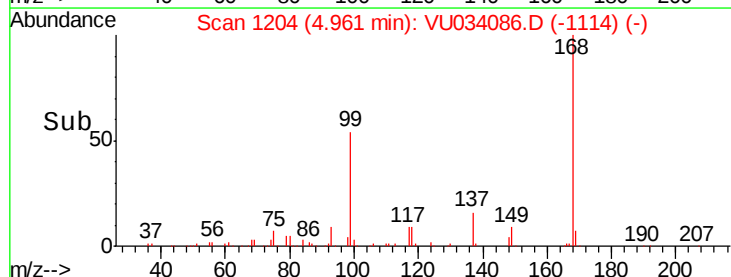
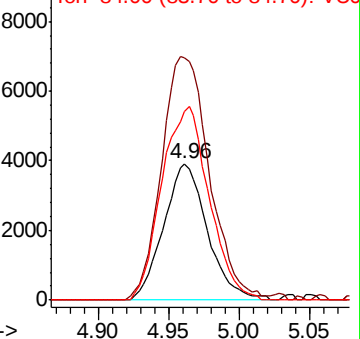
56 100

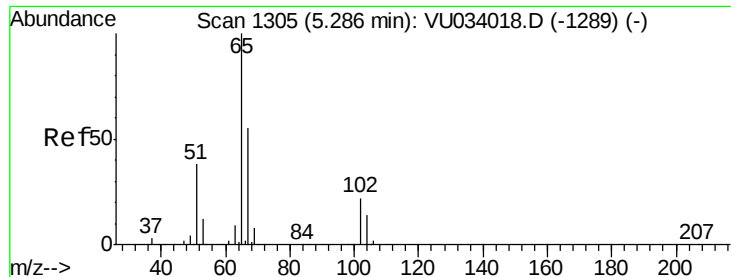
69 178.0 25.4 38.0#

84 137.9 65.8 98.8#



Abundance Ion 56.00 (55.70 to 56.70): VU034086.D (-1114) (-)

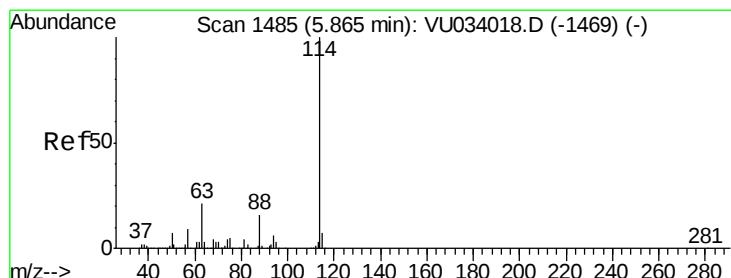
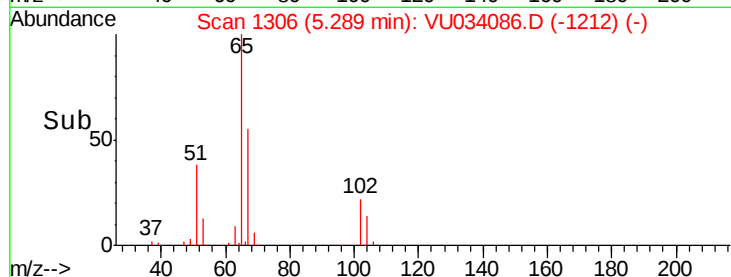
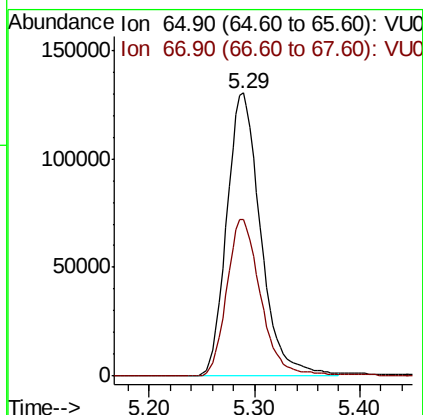
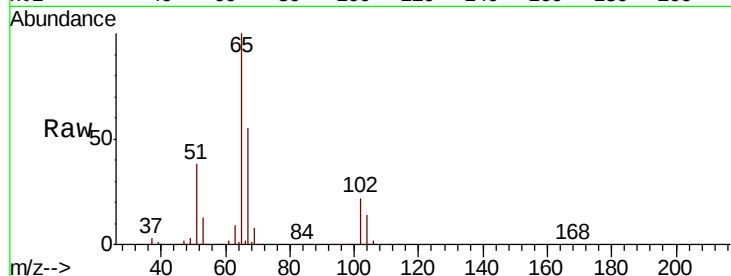




#33
 1,2-Dichloroethane-d4
 Concen: 49.591 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034086.D
 Acq: 30 Aug 2019 10:29

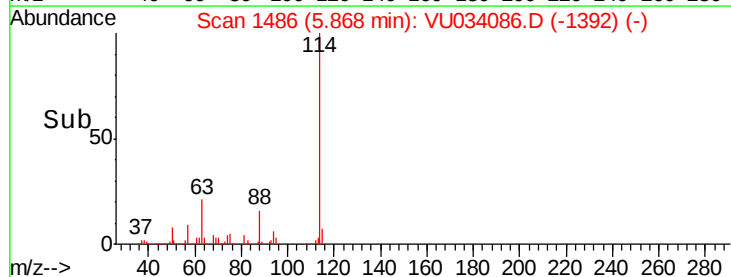
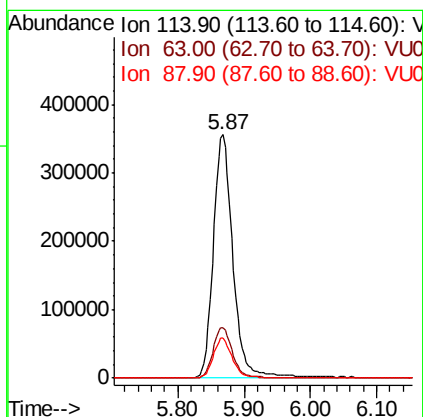
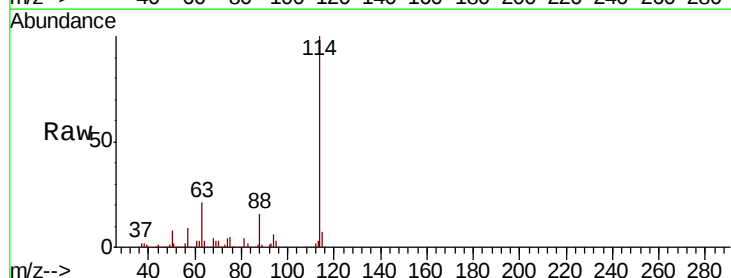
Instrument :
 MSVOA_U
 ClientSampled :
 TB-3

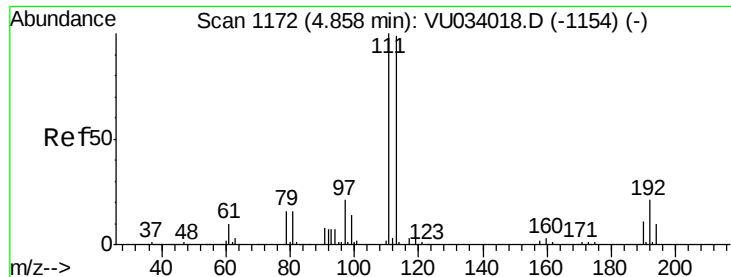
Tgt Ion: 65 Resp: 290515
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034086.D
 Acq: 30 Aug 2019 10:29

Tgt Ion: 114 Resp: 733551
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.0
 88 16.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.264 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034086.D

Acq: 30 Aug 2019 10:29

Instrument :

MSVOA_U

ClientSampled :

TB-3

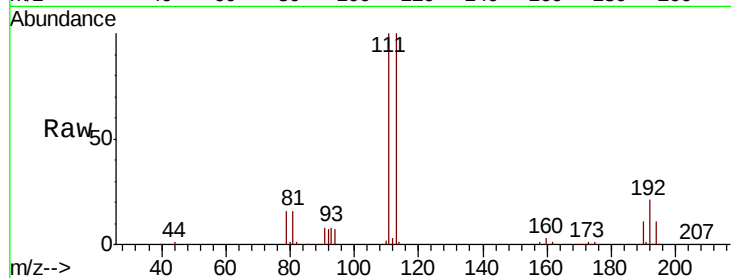
Tgt Ion:113 Resp: 245559

Ion Ratio Lower Upper

113 100

111 100.9 81.7 122.5

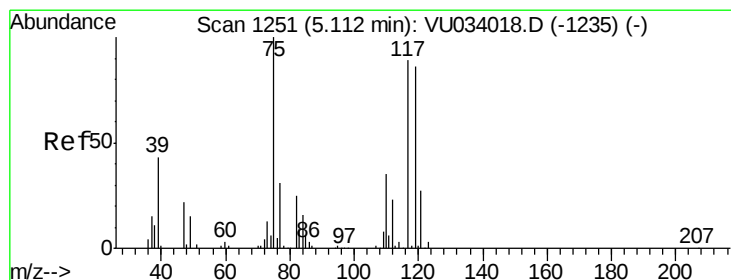
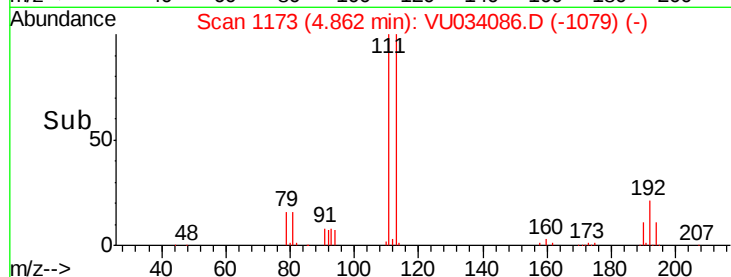
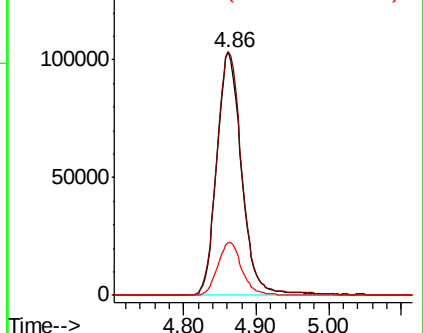
192 21.3 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.779 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034086.D

Acq: 30 Aug 2019 10:29

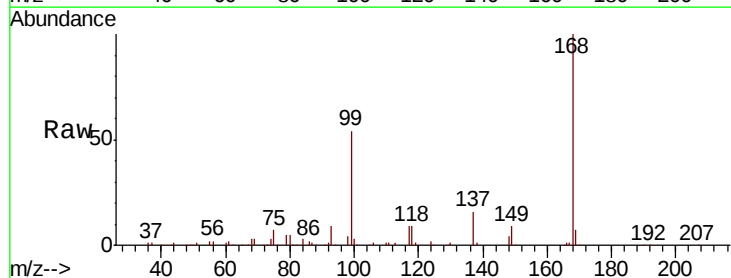
Tgt Ion: 75 Resp: 33159

Ion Ratio Lower Upper

75 100

110 8.4 17.8 53.5#

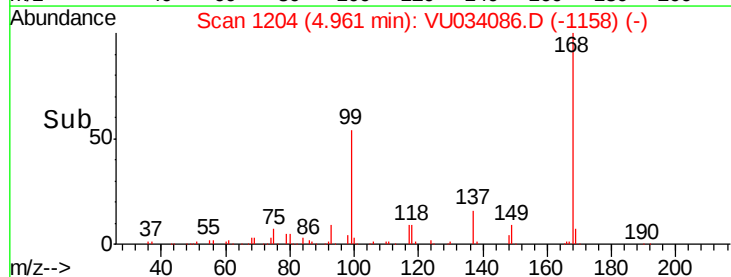
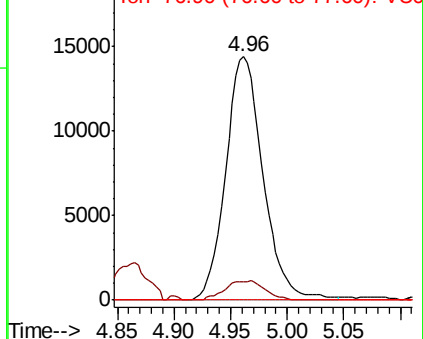
77 0.0 25.0 37.4#

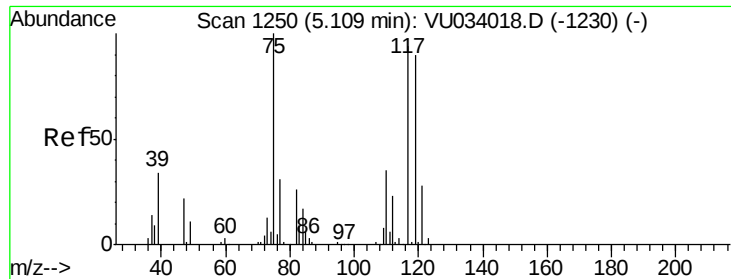


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 6.350 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.15 min

Lab File: VU034086.D

Acq: 30 Aug 2019 10:29

Instrument :

MSVOA_U

ClientSampleId :

TB-3

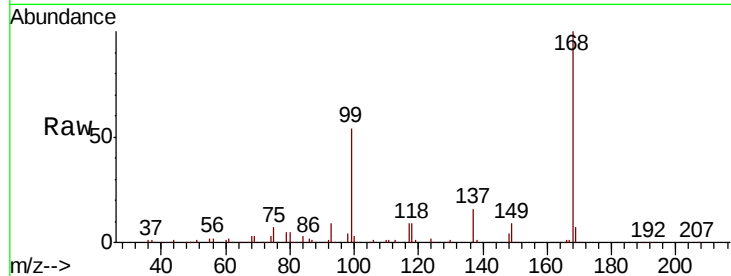
Tgt Ion:117 Resp: 42529

Ion Ratio Lower Upper

117 100

119 5.5 77.0 115.4#

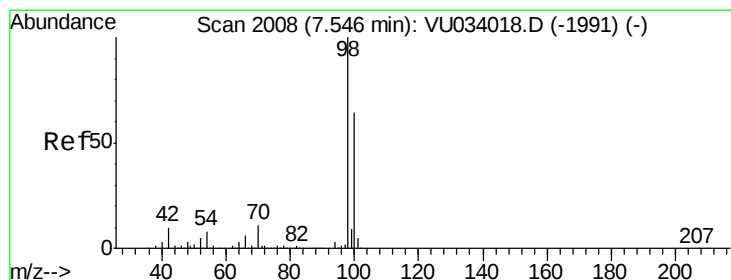
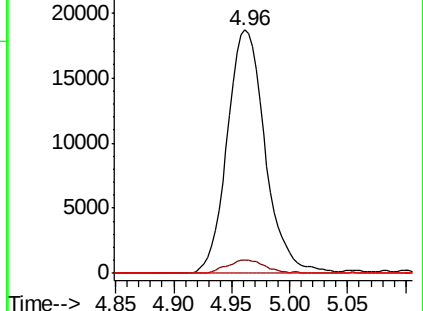
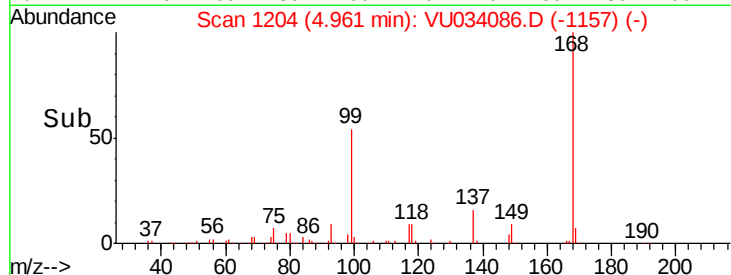
121 0.0 23.9 35.9#



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



#50

Toluene-d8

Concen: 48.846 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. -0.00 min

Lab File: VU034086.D

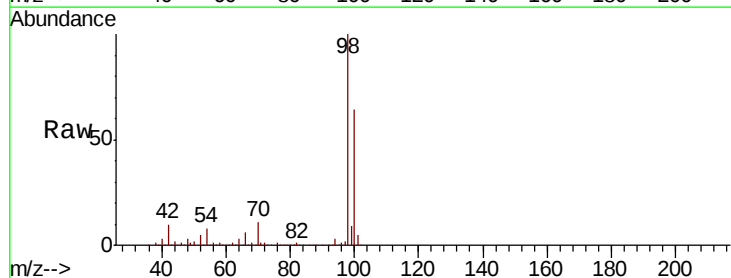
Acq: 30 Aug 2019 10:29

Tgt Ion: 98 Resp: 930557

Ion Ratio Lower Upper

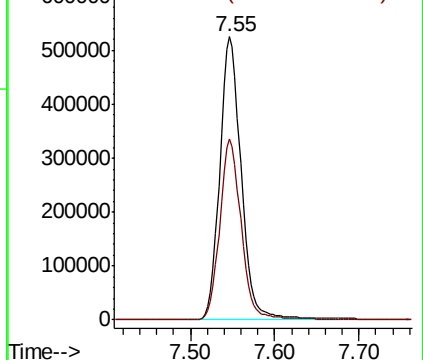
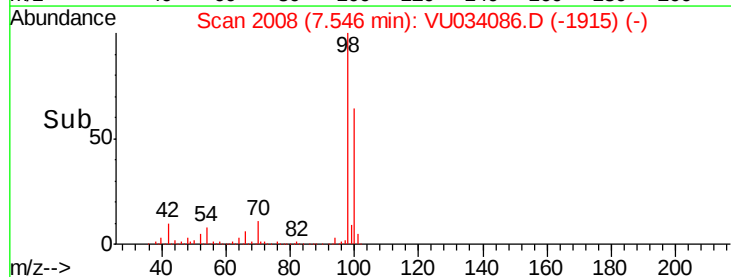
98 100

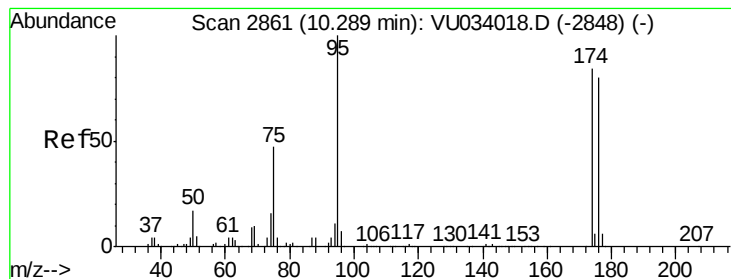
100 63.2 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 44.097 ug/l

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VU034086.D

Acq: 30 Aug 2019 10:29

Instrument :

MSVOA_U

ClientSampled :

TB-3

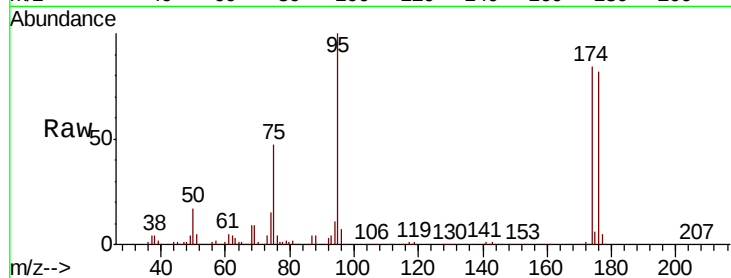
Tgt Ion: 95 Resp: 326787

Ion Ratio Lower Upper

95 100

174 84.4 0.0 168.8

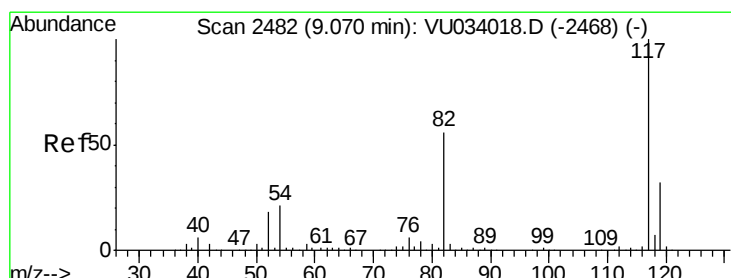
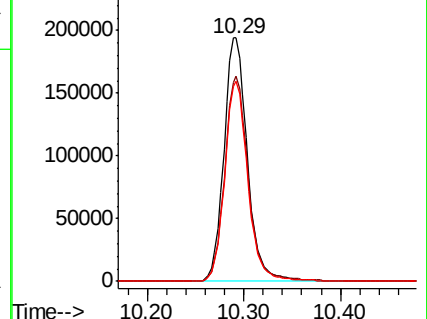
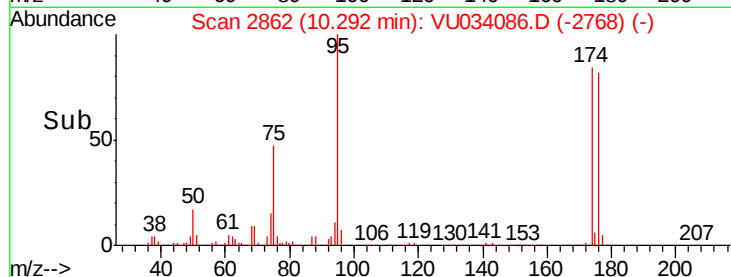
176 80.9 0.0 161.8



Abundance Ion 94.90 (94.60 to 95.60): VU034086.D (-2848) (-)

Ion 173.80 (173.50 to 174.50): VU034086.D (-2848) (-)

Ion 175.80 (175.50 to 176.50): VU034086.D (-2848) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.07 min Scan# 2482

Delta R.T. -0.00 min

Lab File: VU034086.D

Acq: 30 Aug 2019 10:29

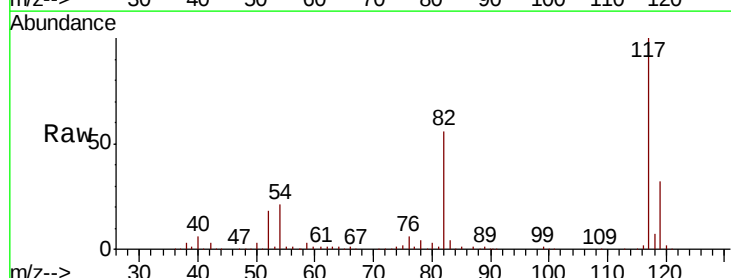
Tgt Ion: 117 Resp: 713059

Ion Ratio Lower Upper

117 100

82 56.5 45.1 67.7

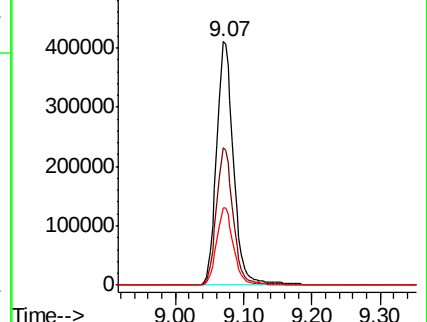
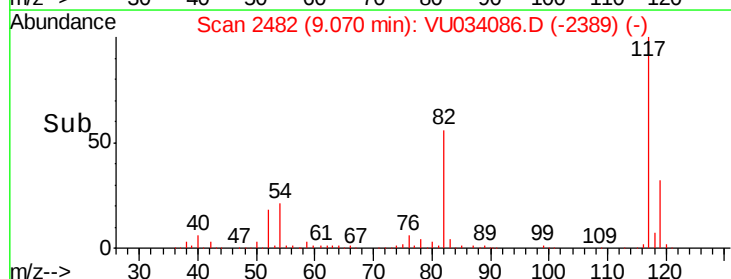
119 31.8 25.4 38.0

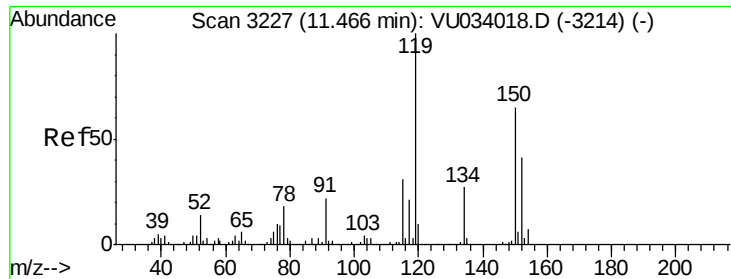


Abundance Ion 116.90 (116.60 to 117.60): VU034086.D (-2468) (-)

Ion 82.00 (81.70 to 82.70): VU034086.D (-2468) (-)

Ion 118.90 (118.60 to 119.60): VU034086.D (-2468) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VU034086.D

Acq: 30 Aug 2019 10:29

Instrument :

MSVOA_U

ClientSampleId :

TB-3

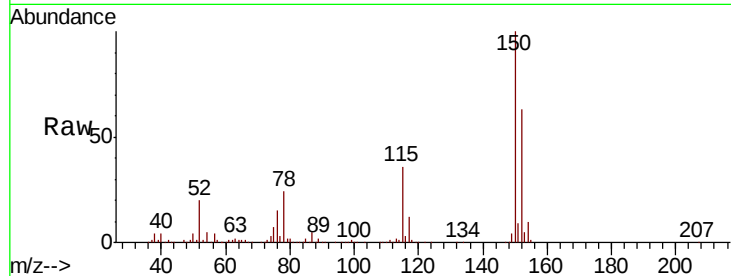
Tgt Ion:152 Resp: 349330

Ion Ratio Lower Upper

152 100

115 56.9 41.1 123.3

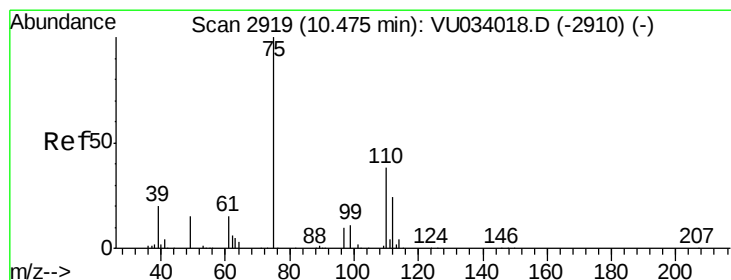
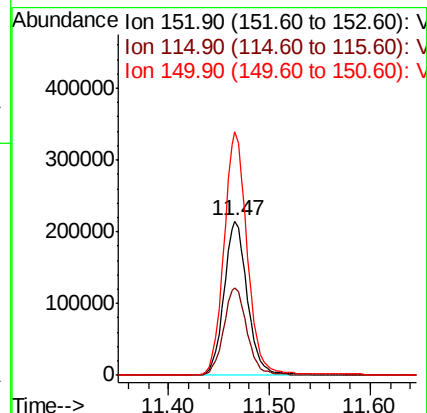
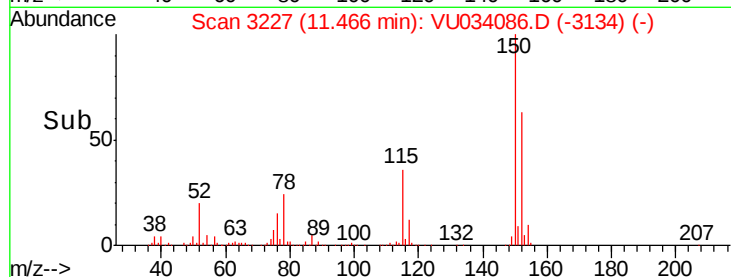
150 156.9 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 19.766 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. -0.19 min

Lab File: VU034086.D

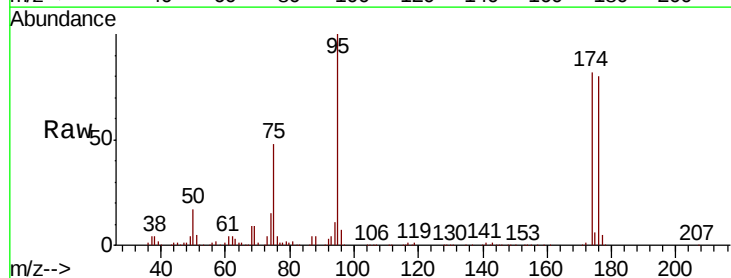
Acq: 30 Aug 2019 10:29

Tgt Ion: 75 Resp: 155625

Ion Ratio Lower Upper

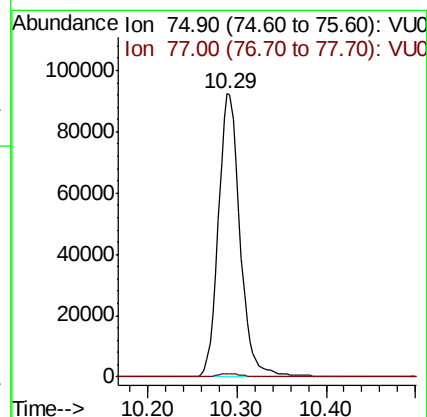
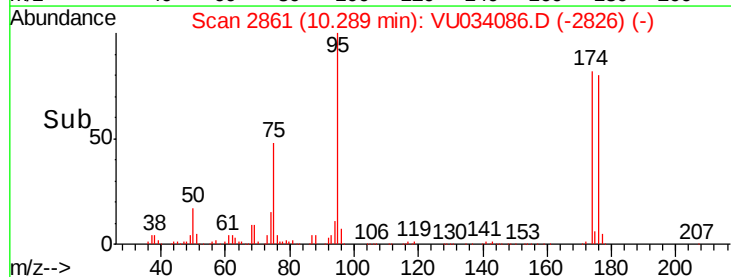
75 100

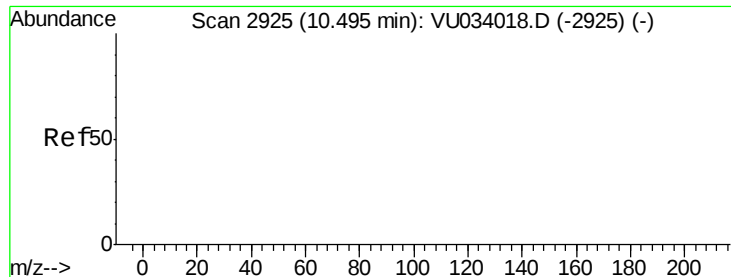
77 1.2 20.1 60.2#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

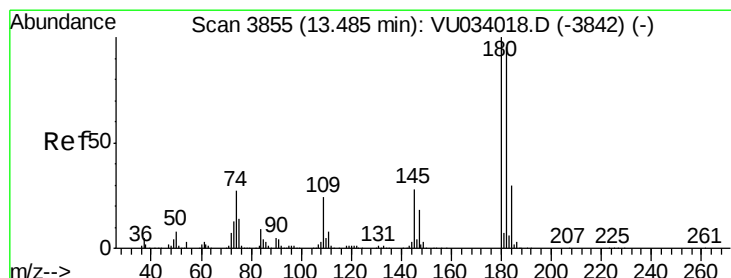
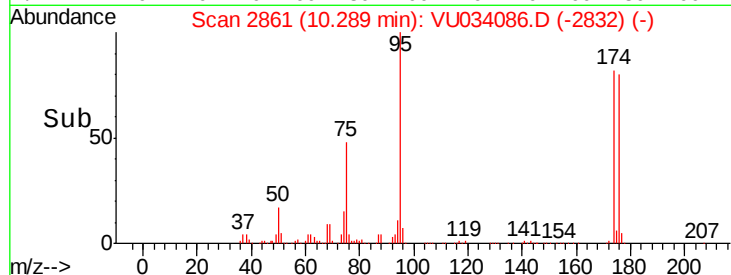
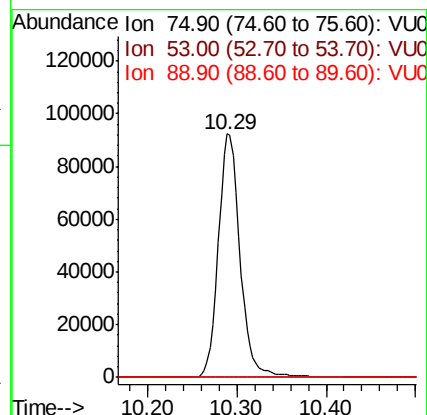
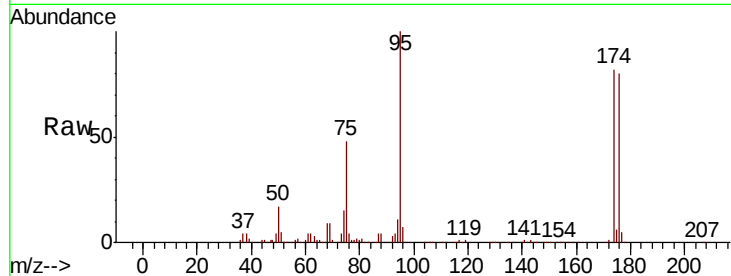




#81
trans-1,4-Dichloro-2-butene
Concen: 66.558 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.21 min
Lab File: VU034086.D
Acq: 30 Aug 2019 10:29

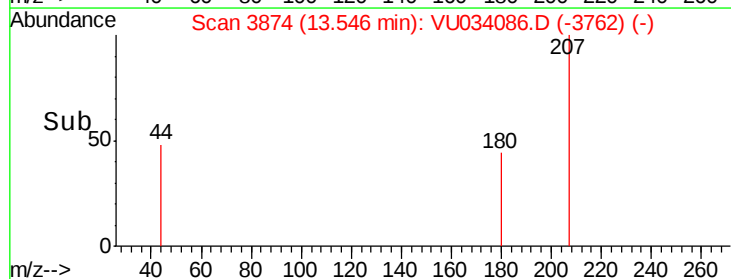
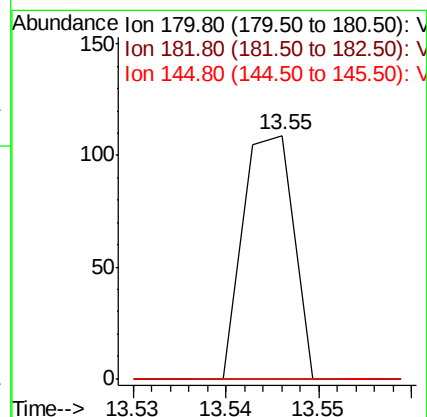
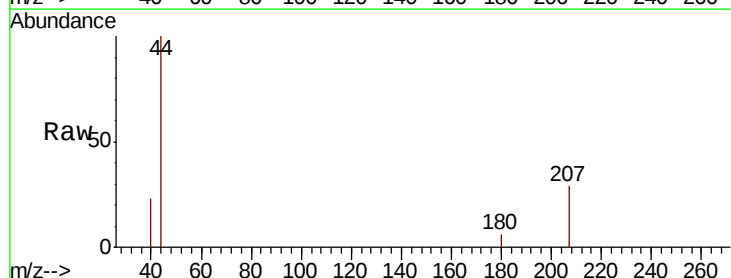
Instrument :
MSVOA_U
ClientSampleId :
TB-3

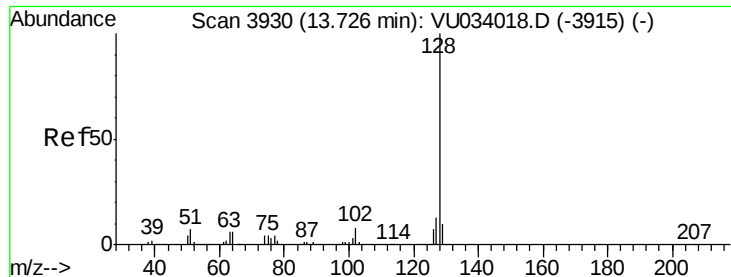
Tgt Ion: 75 Resp: 155625
Ion Ratio Lower Upper
75 100
53 0.1 0.0 0.0#
89 0.0 0.0 0.0



#93
1,2,4-Trichlorobenzene
Concen: 1.119 ug/l
RT: 13.55 min Scan# 3874
Delta R.T. 0.06 min
Lab File: VU034086.D
Acq: 30 Aug 2019 10:29

Tgt Ion: 180 Resp: 41
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.2#
145 0.0 14.1 42.3#





#95

Naphthalene

Concen: 1.804 ug/l

RT: 13.80 min Scan# 3952

Delta R.T. 0.07 min

Lab File: VU034086.D

Acq: 30 Aug 2019 10:29

Instrument :

MSVOA_U

ClientSampleId :

TB-3

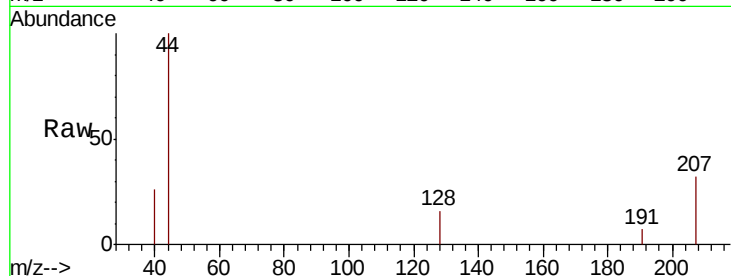
Tgt Ion:128 Resp: 326

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 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

