

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120318\
 Data File : VU028441.D
 Acq On : 03 Dec 2018 15:09
 Operator : MD/SY
 Sample : J6160-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TEST-PIT

Quant Time: Dec 04 06:55:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	292319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	554068	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	530475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	256720	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	249223	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
35) Dibromofluoromethane	4.88	113	180171	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
50) Toluene-d8	7.57	98	715885	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
62) 4-Bromofluorobenzene	10.31	95	267979	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	

Target Compounds

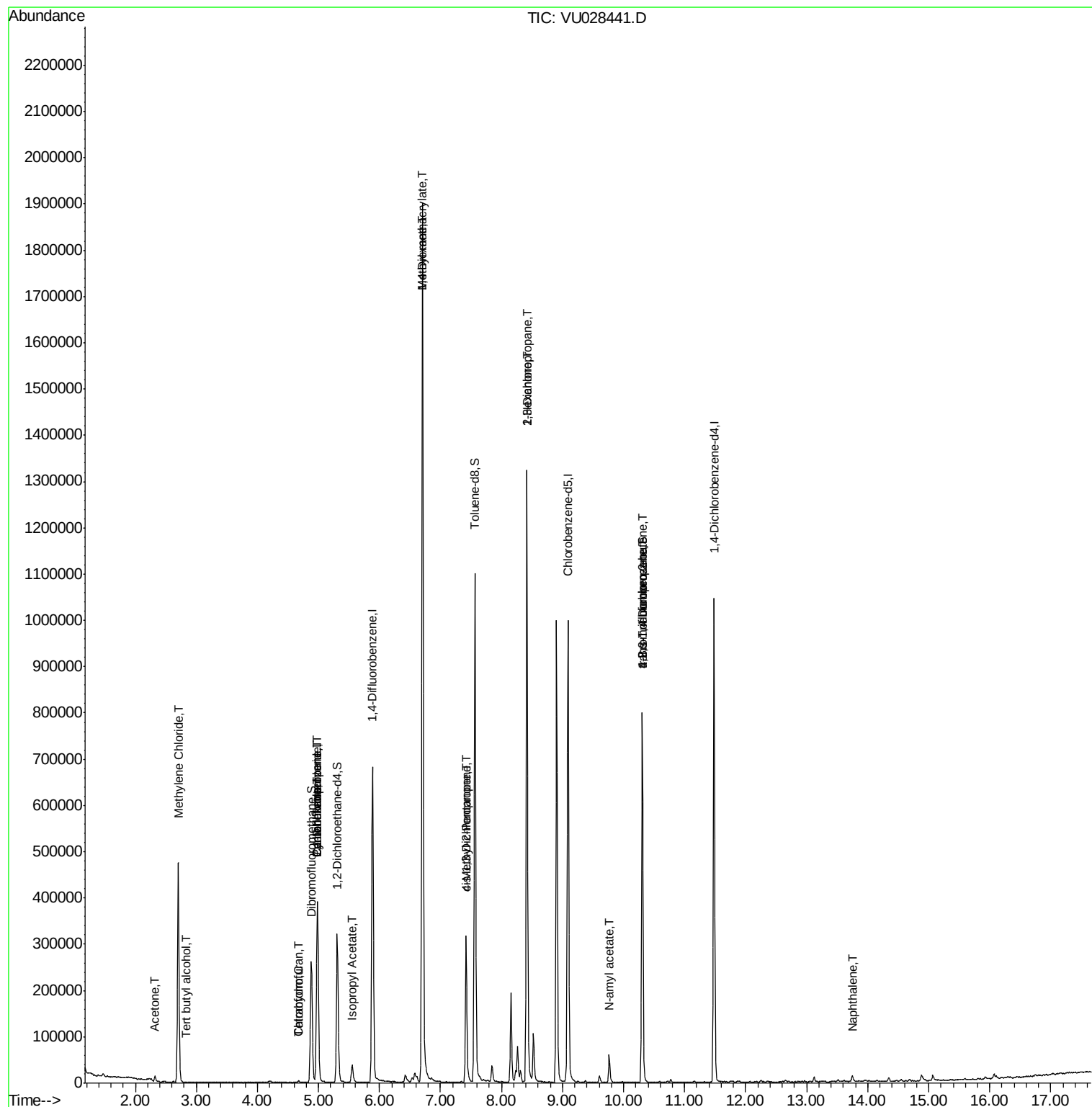
						Qvalue
11) Tert butyl alcohol	2.82	59	278	0.250	ug/l #	72
16) Acetone	2.32	43	13300	4.450	ug/l	98
20) Methylene Chloride	2.70	84	194806	46.210	ug/l	93
29) Tetrahydrofuran	4.66	42	1295	0.466	ug/l #	64
30) Chloroform	4.68	83	2342	0.320	ug/l	100
31) Cyclohexane	4.98	56	7406	0.529	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	26094	4.304	ug/l #	51
38) Carbon Tetrachloride	4.98	117	29226	5.870	ug/l #	16
43) Isopropyl Acetate	5.55	43	47522	3.629	ug/l	95
48) Methyl methacrylate	6.70	41	167173	24.511	ug/l #	47
49) 1,4-Dioxane	6.71	88	42	0.385	ug/l #	1
51) 4-Methyl-2-Pentanone	7.42	43	125391	14.994	ug/l #	48
54) cis-1,3-Dichloropropene	7.42	75	55052	7.153	ug/l #	59
57) 1,3-Dichloropropane	8.41	76	11999	1.520	ug/l #	43
59) 2-Hexanone	8.41	43	201080	31.042	ug/l #	53
74) N-amyl acetate	9.76	43	19968	1.596	ug/l #	57
76) 1,2,3-Trichloropropane	10.30	75	140715	19.766	ug/l #	33
81) trans-1,4-Dichloro-2-buten	10.30	75	140715	52.469	ug/l #	100
95) Naphthalene	13.75	128	11694	3.346	ug/l #	94

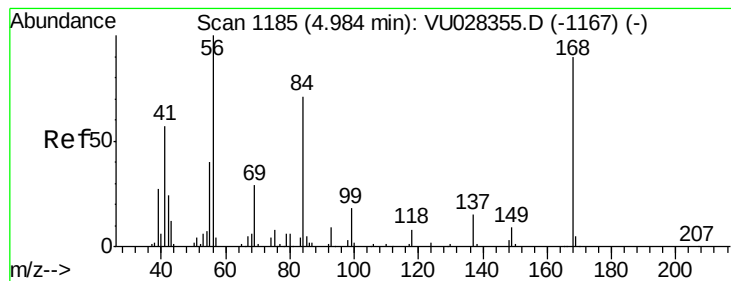
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU120318\
Data File : VU028441.D
Acq On : 03 Dec 2018 15:09
Operator : MD/SY
Sample : J6160-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TEST-PIT

Quant Time: Dec 04 06:55:57 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028441.D

Acq: 03 Dec 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

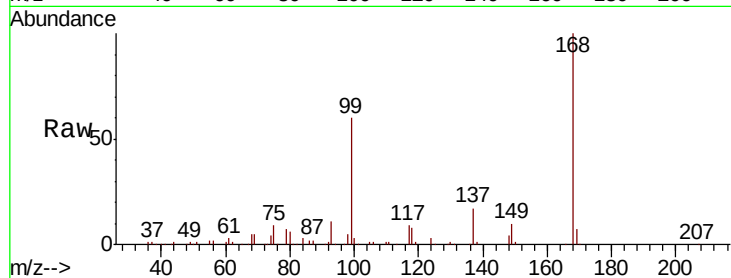
TEST-PIT

Tot Ion:168 Resp: 292319

Ion Ratio Lower Upper

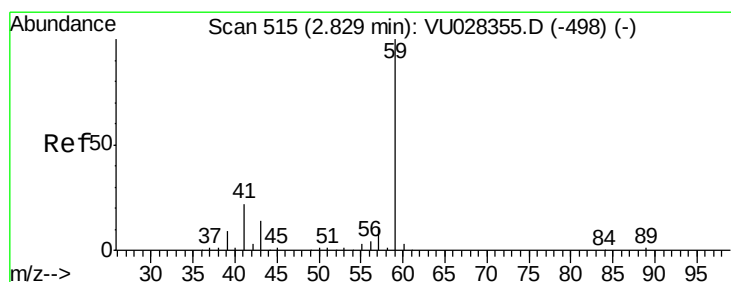
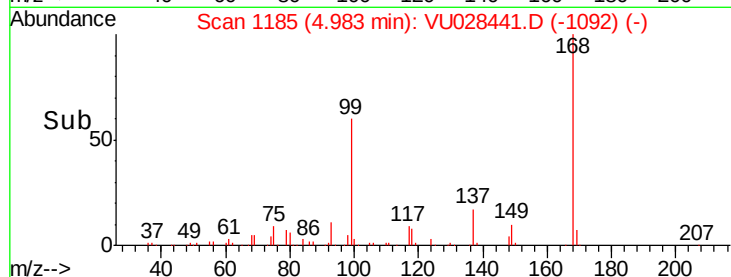
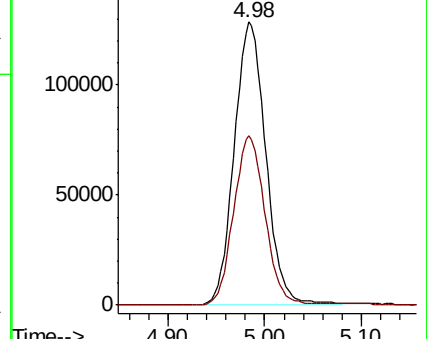
168 100

99 60.1 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)



#11

Tert butyl alcohol

Concen: 0.250 ug/l

RT: 2.82 min Scan# 513

Delta R.T. -0.01 min

Lab File: VU028441.D

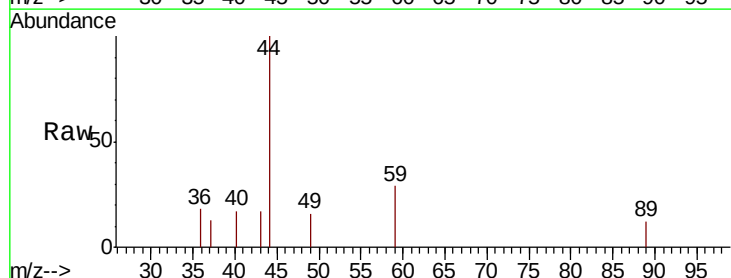
Acq: 03 Dec 2018 15:09

Tgt Ion: 59 Resp: 278

Ion Ratio Lower Upper

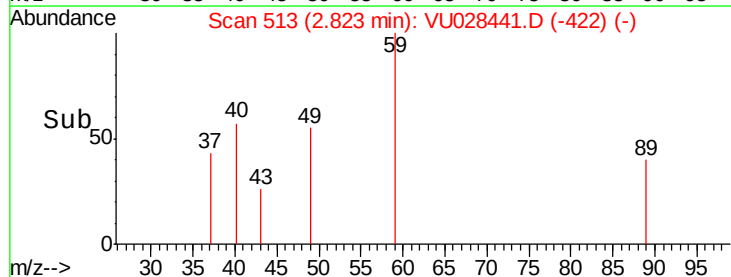
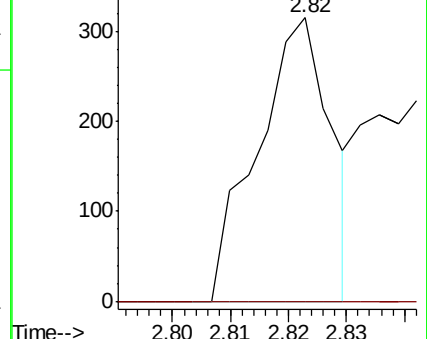
59 100

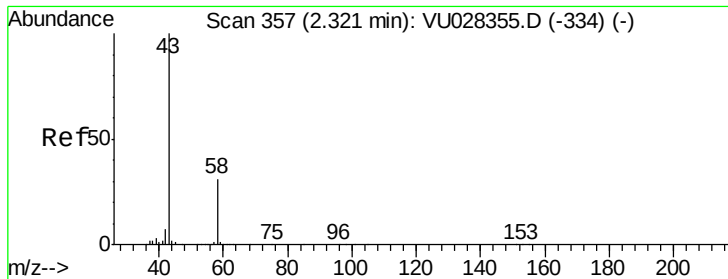
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VU028355.D (-498) (-)

Ion 57.00 (56.70 to 57.70): VU028355.D (-498) (-)





#16

Acetone

Concen: 4.450 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028441.D

Acq: 03 Dec 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

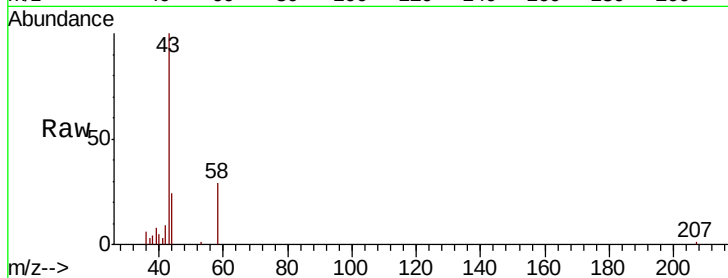
TEST-PIT

Tot Ion: 43 Resp: 13300

Ion Ratio Lower Upper

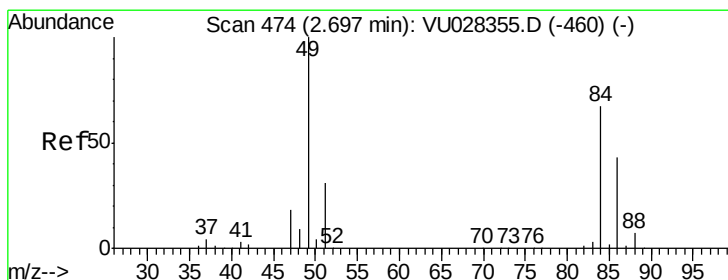
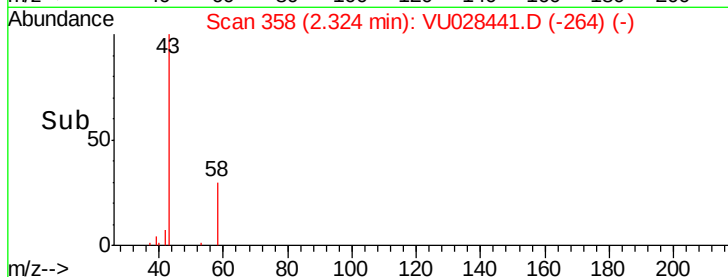
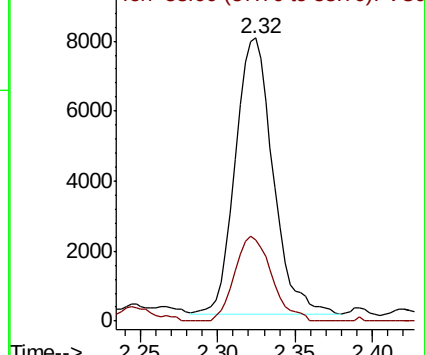
43 100

58 29.6 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#20

Methylene Chloride

Concen: 46.210 ug/l

RT: 2.70 min Scan# 476

Delta R.T. 0.01 min

Lab File: VU028441.D

Acq: 03 Dec 2018 15:09

Tgt Ion: 84 Resp: 194806

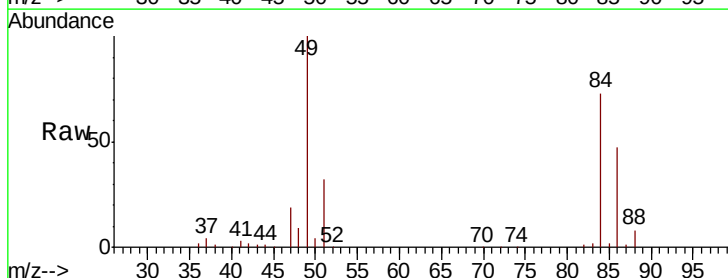
Ion Ratio Lower Upper

84 100

49 137.1 120.0 180.0

51 44.0 36.9 55.3

86 64.9 51.1 76.7

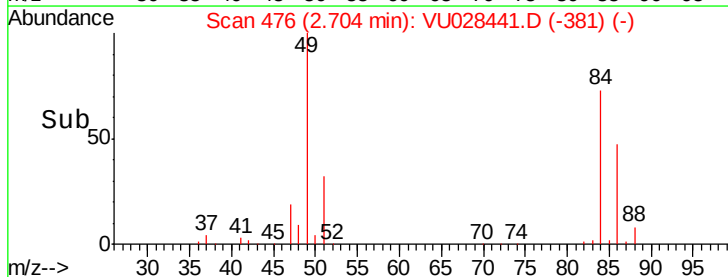
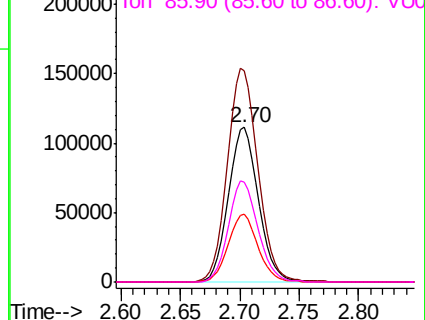


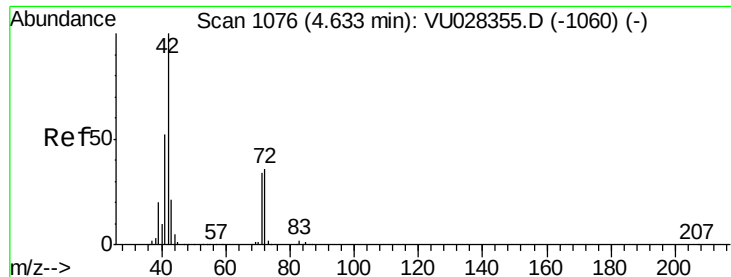
Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0





#29

Tetrahydrofuran

Concen: 0.466 ug/l

RT: 4.66 min Scan# 1084

Delta R.T. 0.03 min

Lab File: VU028441.D

Acq: 03 Dec 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

TEST-PIT

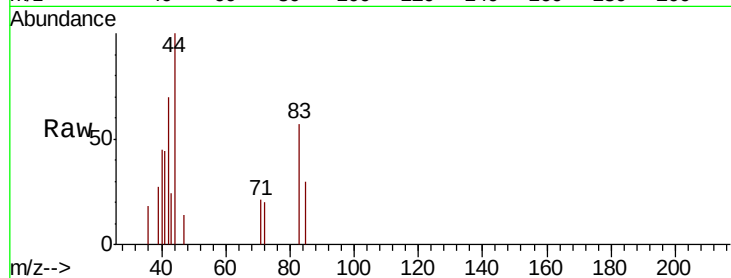
Tot Ion: 42 Resp: 1295

Ion Ratio Lower Upper

42 100

72 14.3 29.5 44.3#

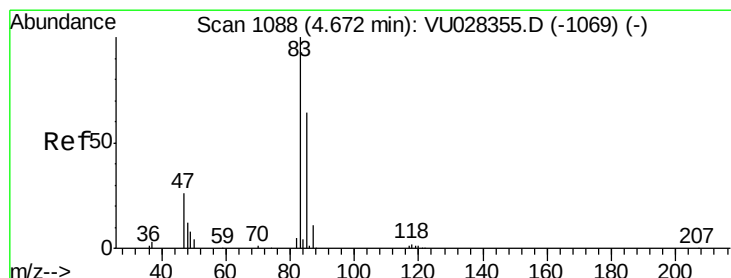
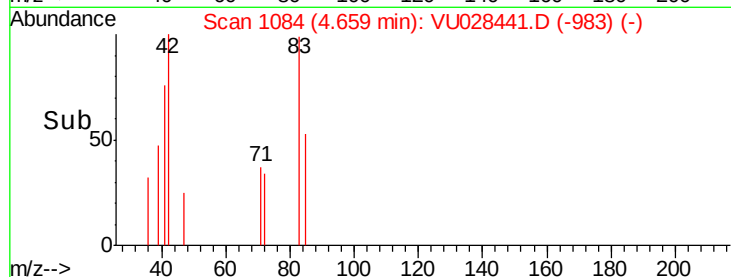
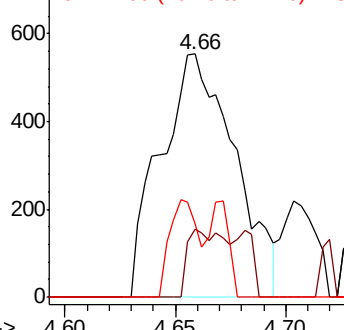
71 15.2 27.7 41.5#



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 0.320 ug/l

RT: 4.68 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VU028441.D

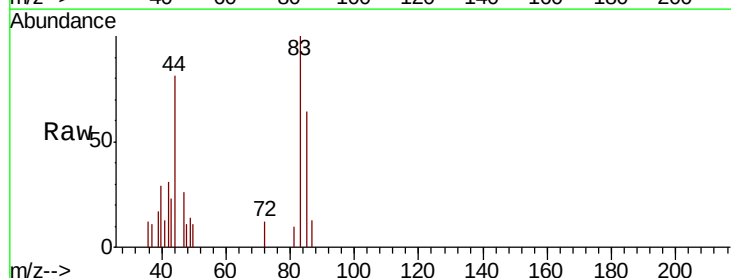
Acq: 03 Dec 2018 15:09

Tgt Ion: 83 Resp: 2342

Ion Ratio Lower Upper

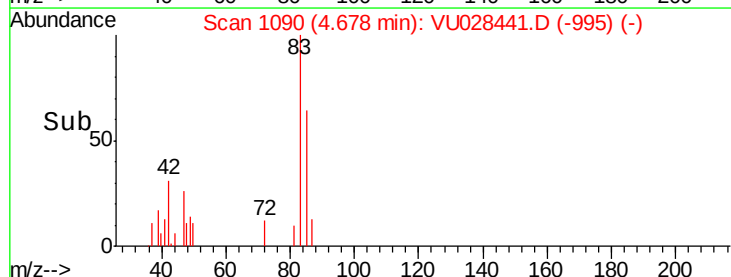
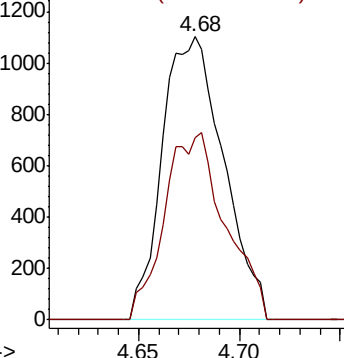
83 100

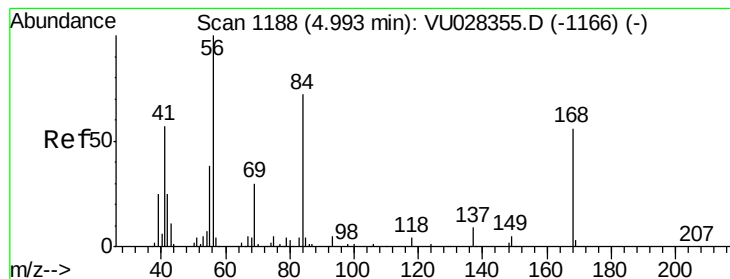
85 64.2 51.2 76.8



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 0.529 ug/l

RT: 4.98 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VU028441.D

Acq: 03 Dec 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

TEST-PIT

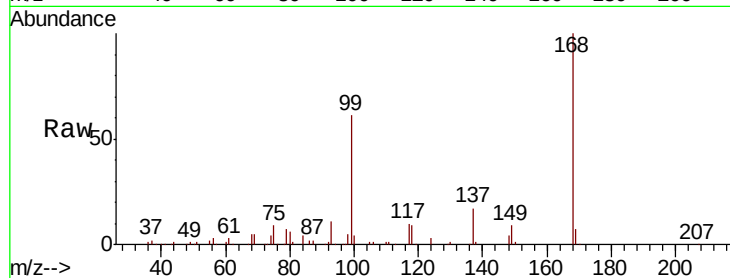
Tot Ion: 56 Resp: 7406

Ion Ratio Lower Upper

56 100

69 164.4 23.7 35.5#

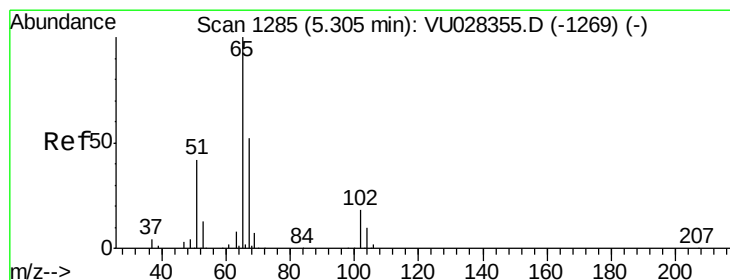
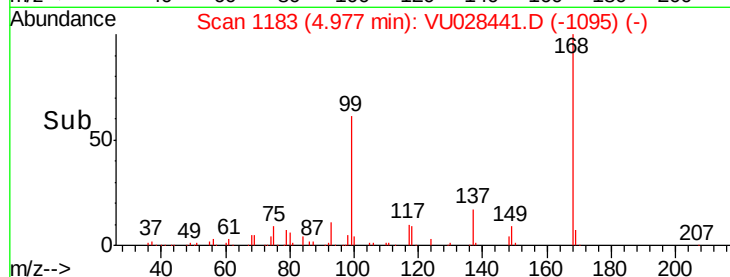
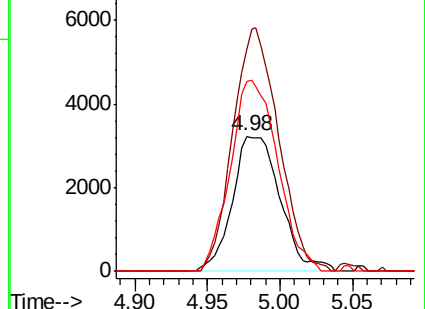
84 140.2 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#33

1,2-Dichloroethane-d4

Concen: 51.014 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028441.D

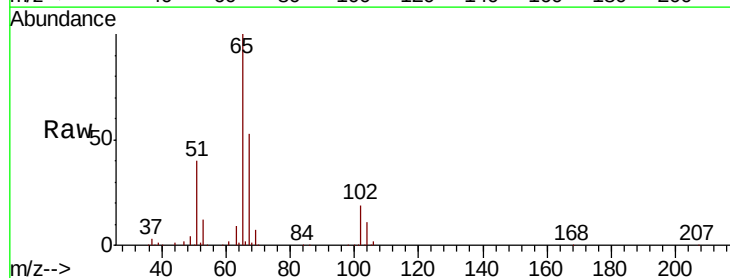
Acq: 03 Dec 2018 15:09

Tgt Ion: 65 Resp: 249223

Ion Ratio Lower Upper

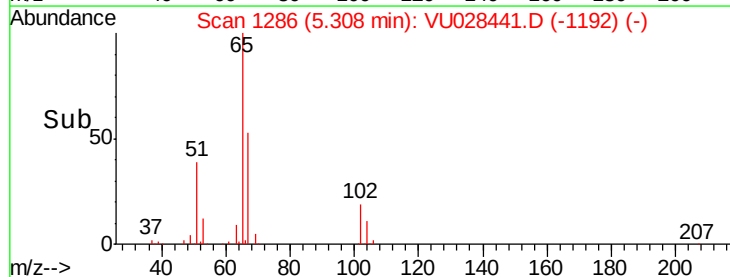
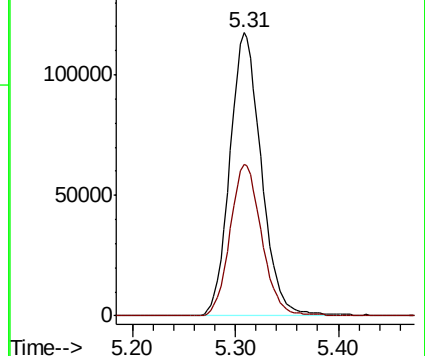
65 100

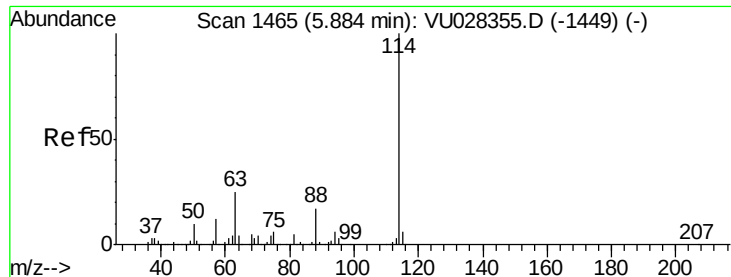
67 53.8 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. 0.00 min

Lab File: VU028441.D

Acq: 03 Dec 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

TEST-PIT

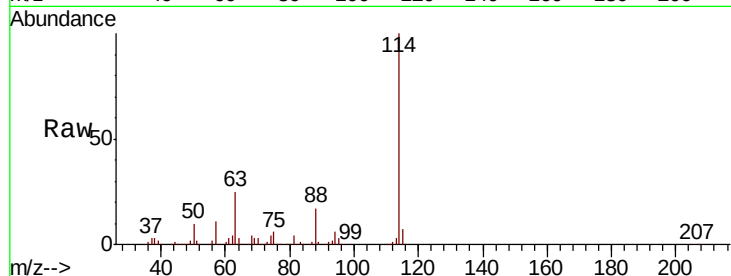
Tot Ion:114 Resp: 554068

Ion Ratio Lower Upper

114 100

63 24.6 0.0 50.0

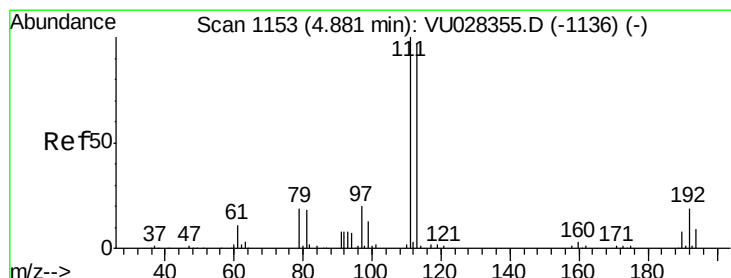
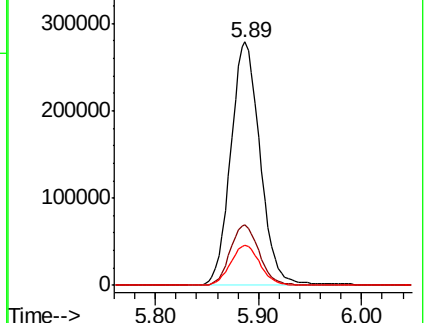
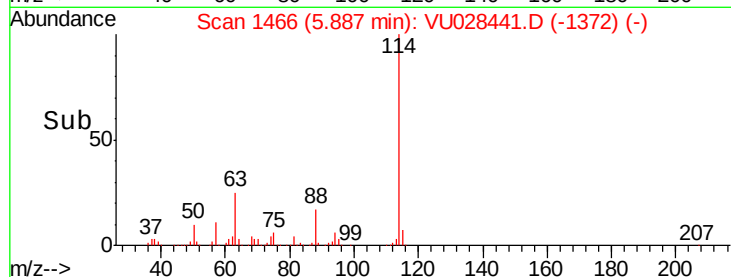
88 16.5 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 48.902 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028441.D

Acq: 03 Dec 2018 15:09

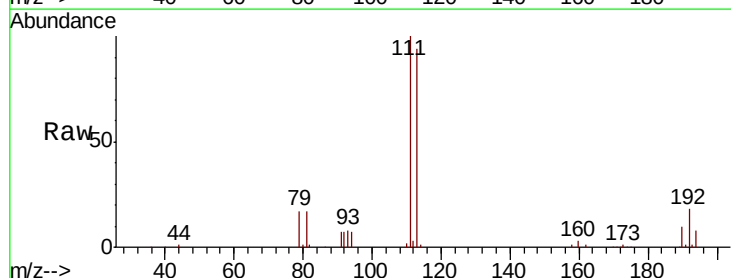
Tgt Ion:113 Resp: 180171

Ion Ratio Lower Upper

113 100

111 104.9 82.9 124.3

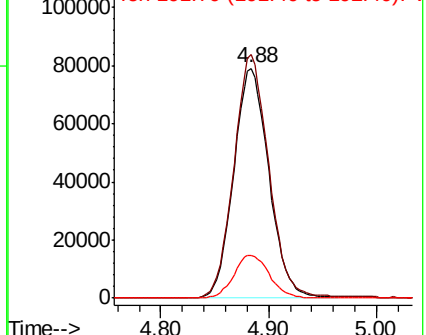
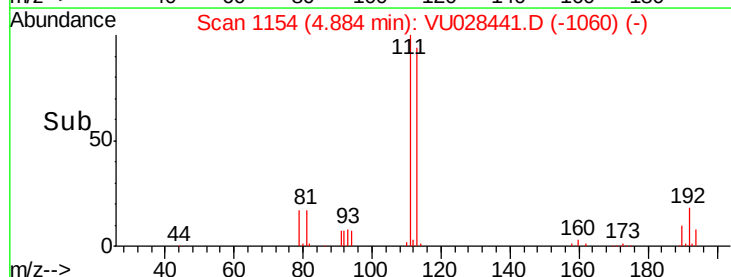
192 18.9 15.4 23.0

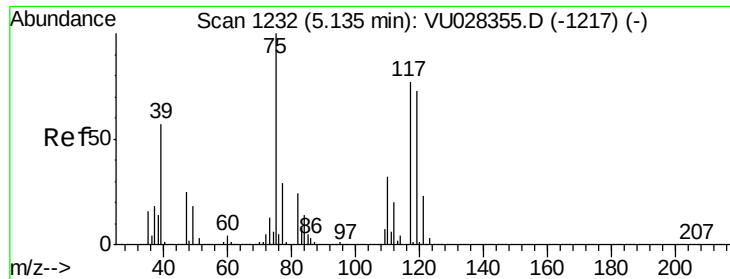


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.304 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028441.D

Acq: 03 Dec 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

TEST-PIT

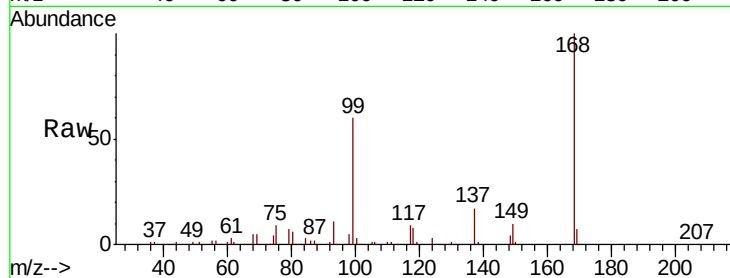
Tot Ion: 75 Resp: 26094

Ion Ratio Lower Upper

75 100

110 7.9 15.8 47.4#

77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VU028441.D (-1185) (-)

Ion 109.90 (109.60 to 110.60): VU028441.D (-1185) (-)

Ion 76.90 (76.60 to 77.60): VU028441.D (-1185) (-)

4.98

15000

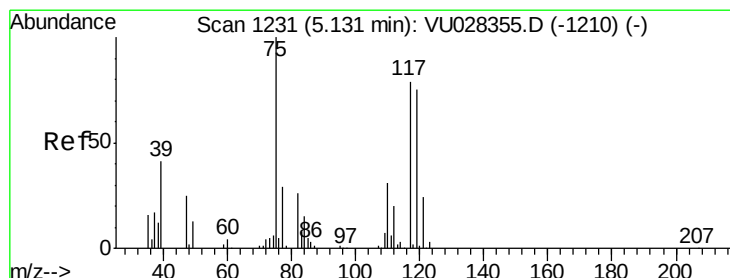
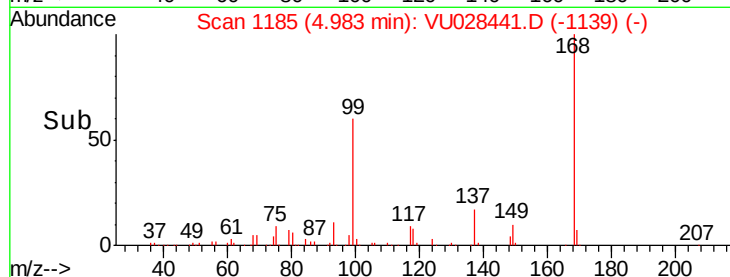
10000

5000

0

4.90 4.95 5.00 5.05

Time-->



#38

Carbon Tetrachloride

Concen: 5.870 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.15 min

Lab File: VU028441.D

Acq: 03 Dec 2018 15:09

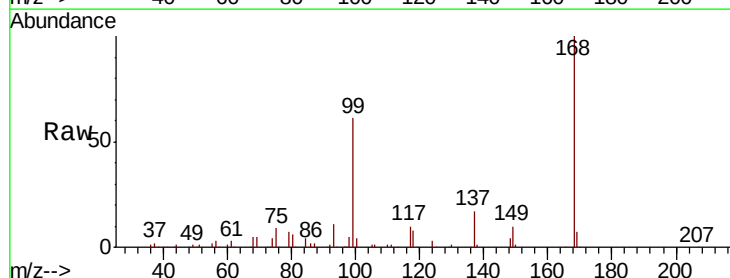
Tgt Ion: 117 Resp: 29226

Ion Ratio Lower Upper

117 100

119 4.7 76.3 114.5#

121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): VU028441.D (-1184) (-)

Ion 118.80 (118.50 to 119.50): VU028441.D (-1184) (-)

Ion 120.80 (120.50 to 121.50): VU028441.D (-1184) (-)

4.98

15000

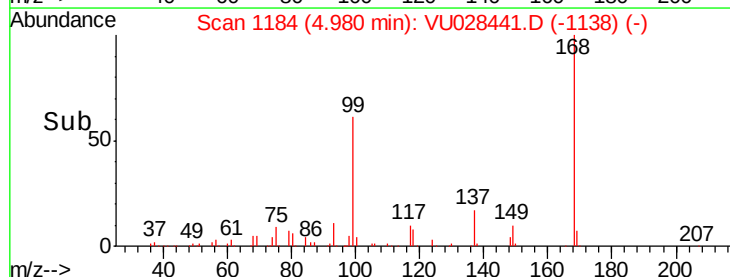
10000

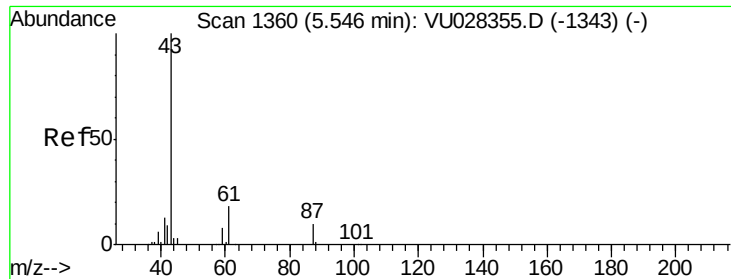
5000

0

4.90 4.95 5.00 5.05

Time-->





#43

Isopropyl Acetate

Concen: 3.629 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VU028441.D

Acq: 03 Dec 2018 15:09

Instrument :

MSVOA_U

ClientSampled :

TEST-PIT

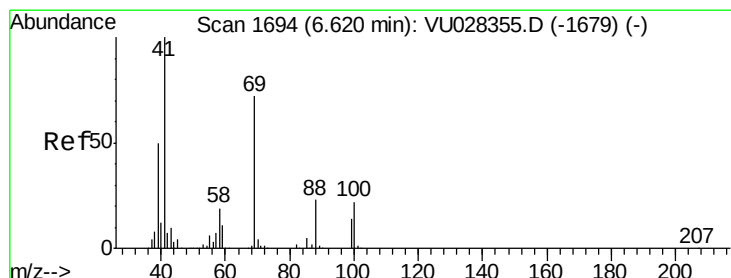
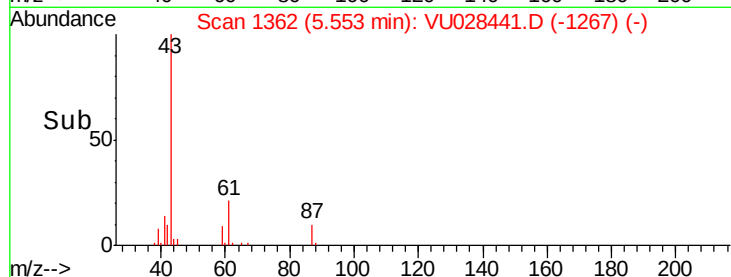
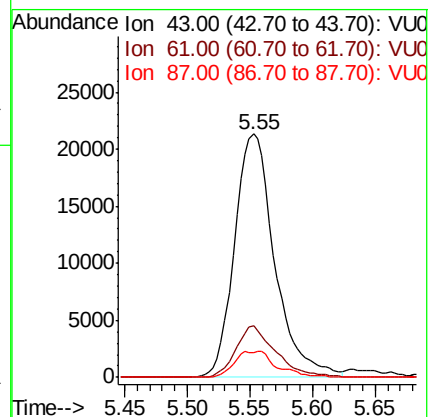
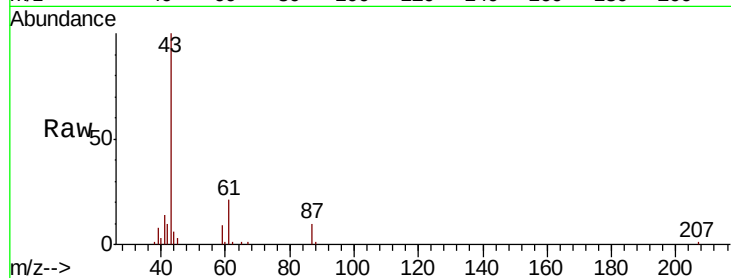
Tot Ion: 43 Resp: 47522

Ion Ratio Lower Upper

43 100

61 20.9 14.5 21.7

87 11.1 8.4 12.6



#48

Methyl methacrylate

Concen: 24.511 ug/l

RT: 6.70 min Scan# 1720

Delta R.T. 0.08 min

Lab File: VU028441.D

Acq: 03 Dec 2018 15:09

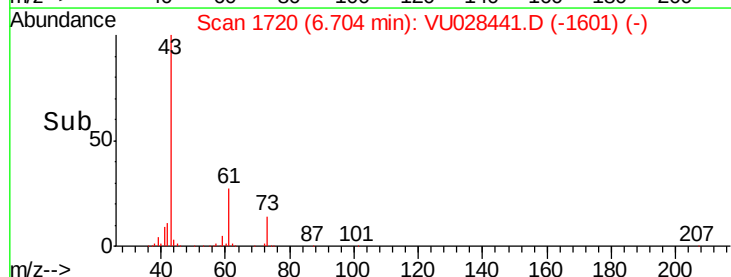
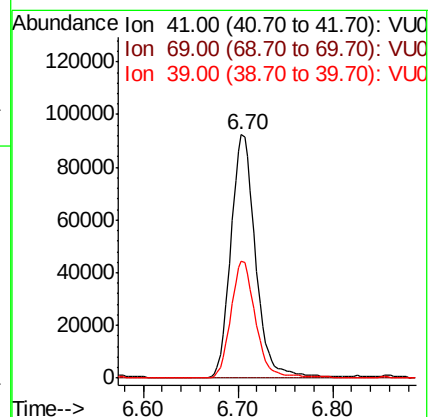
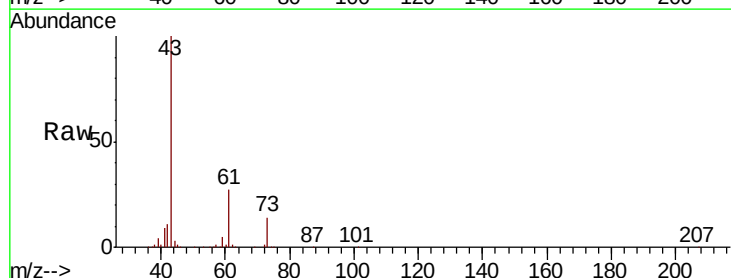
Tgt Ion: 41 Resp: 167173

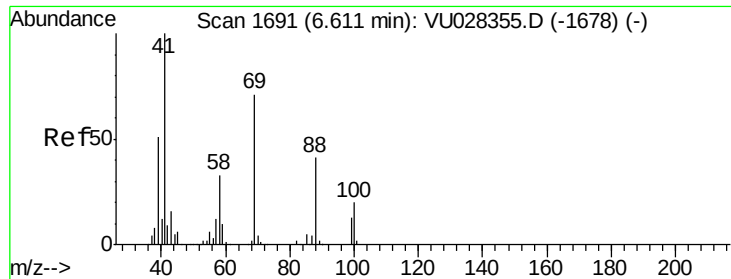
Ion Ratio Lower Upper

41 100

69 0.1 59.0 88.4#

39 48.0 40.5 60.7





#49

1,4-Dioxane

Concen: 0.385 ug/l

RT: 6.71 min Scan# 1723

Delta R.T. 0.10 min

Lab File: VU028441.D

Acq: 03 Dec 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

TEST-PIT

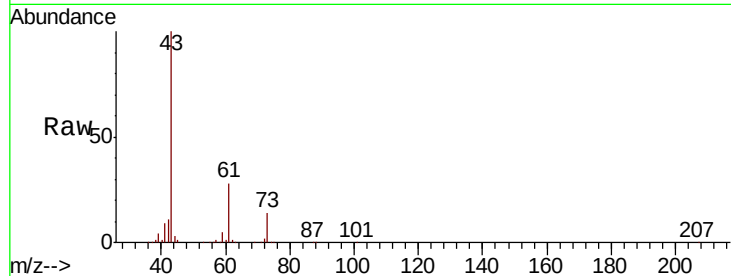
Tot Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 4487454.8 32.6 48.8#

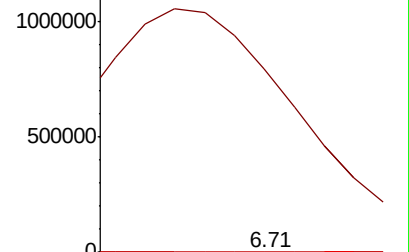
58 15997.6 68.7 103.1#



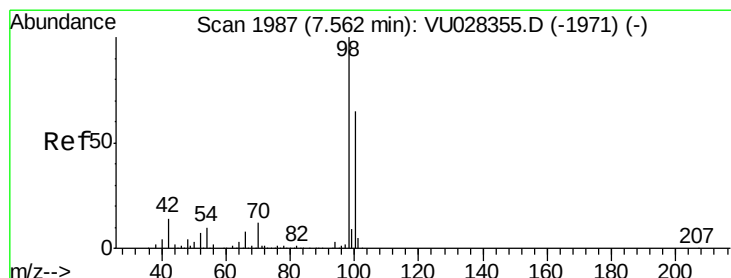
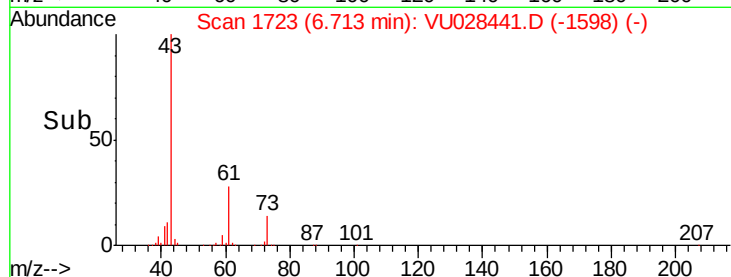
Abundance Ion 88.00 (87.70 to 88.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->



#50

Toluene-d8

Concen: 48.585 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028441.D

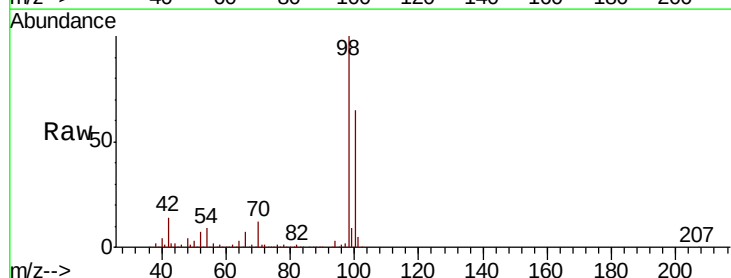
Acq: 03 Dec 2018 15:09

Tgt Ion: 98 Resp: 715885

Ion Ratio Lower Upper

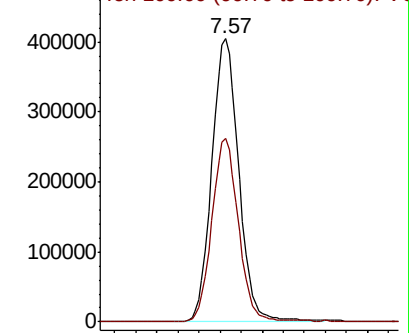
98 100

100 63.9 50.8 76.2

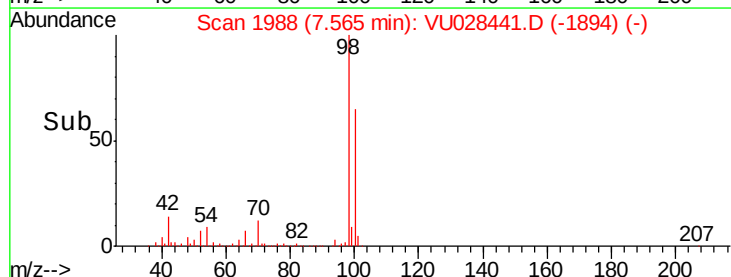


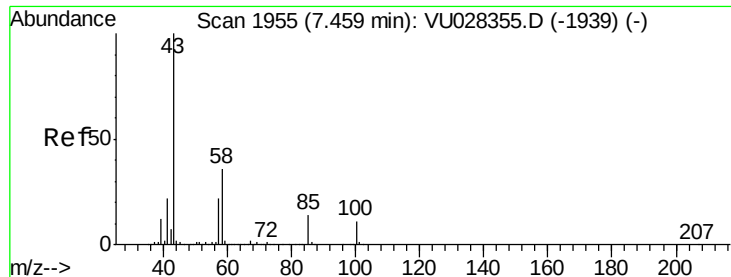
Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



Time-->





#51

4-Methyl-2-Pentanone

Concen: 14.994 ug/l

RT: 7.42 min Scan# 1943

Delta R.T. -0.04 min

Lab File: VU028441.D

Acq: 03 Dec 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

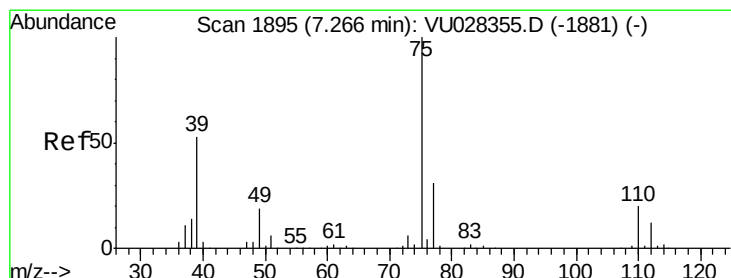
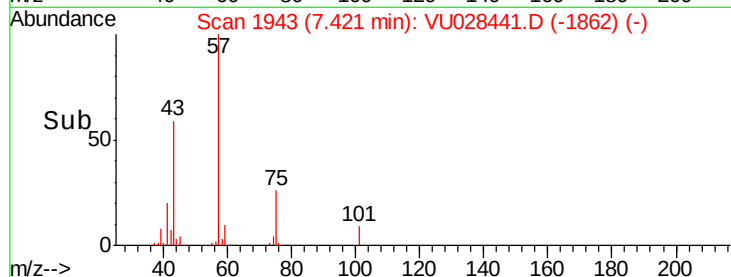
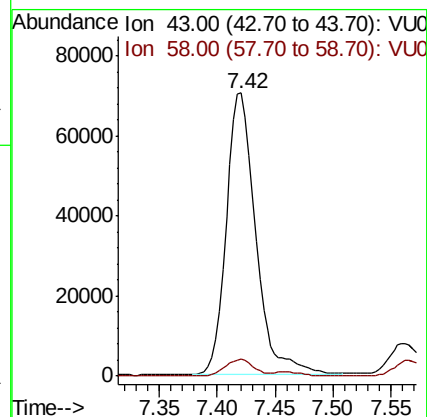
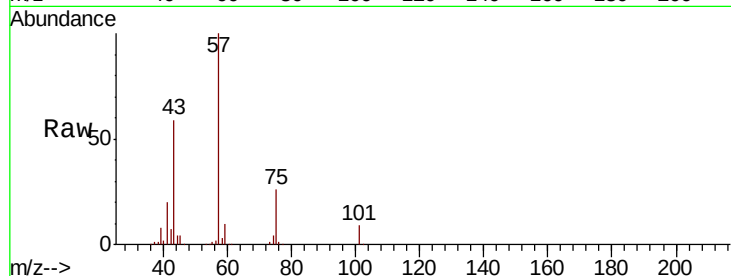
TEST-PIT

Tot Ion: 43 Resp: 125391

Ion Ratio Lower Upper

43 100

58 5.7 28.8 43.2#



#54

cis-1,3-Dichloropropene

Concen: 7.153 ug/l

RT: 7.42 min Scan# 1943

Delta R.T. 0.15 min

Lab File: VU028441.D

Acq: 03 Dec 2018 15:09

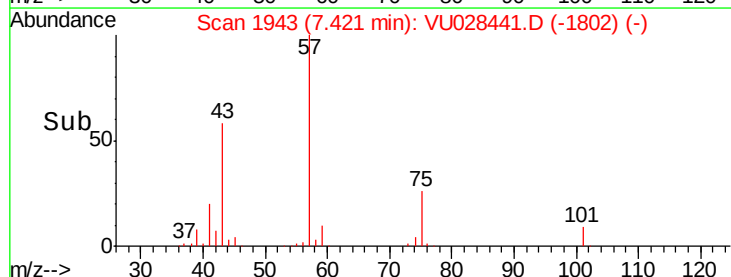
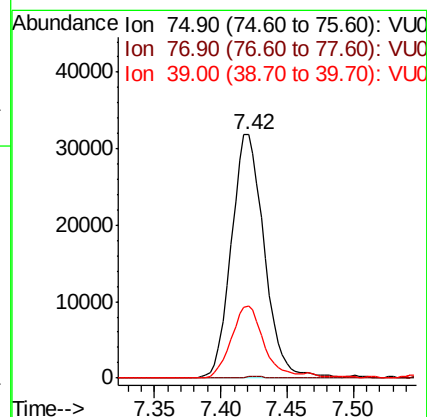
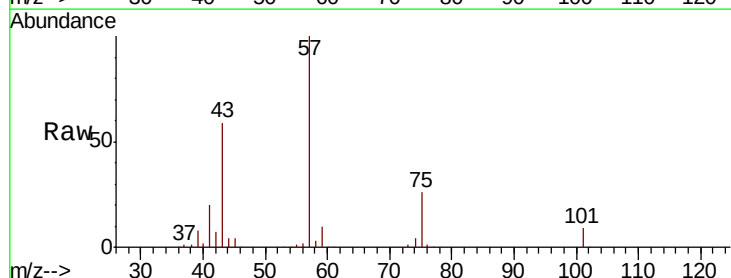
Tgt Ion: 75 Resp: 55052

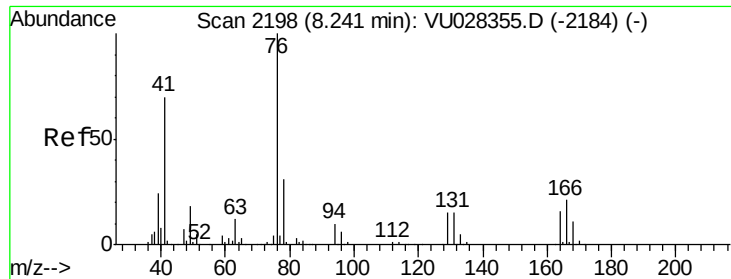
Ion Ratio Lower Upper

75 100

77 0.5 24.9 37.3#

39 29.8 42.6 64.0#





#57

1,3-Dichloropropane

Concen: 1.520 ug/l

RT: 8.41 min Scan# 2252

Delta R.T. 0.17 min

Lab File: VU028441.D

Acq: 03 Dec 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

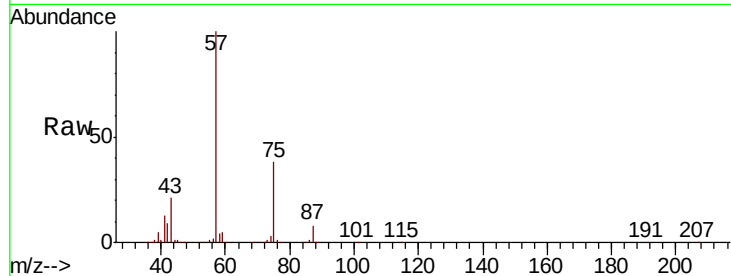
TEST-PIT

Tot Ion: 76 Resp: 11999

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.0#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.41

8000

6000

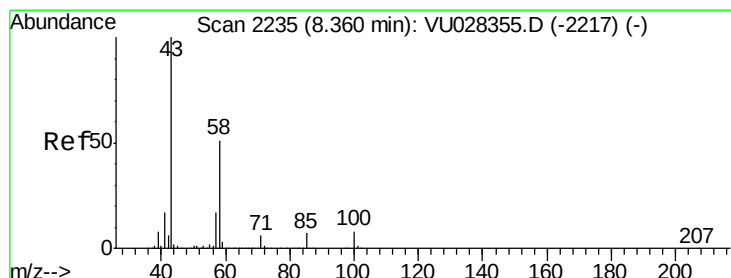
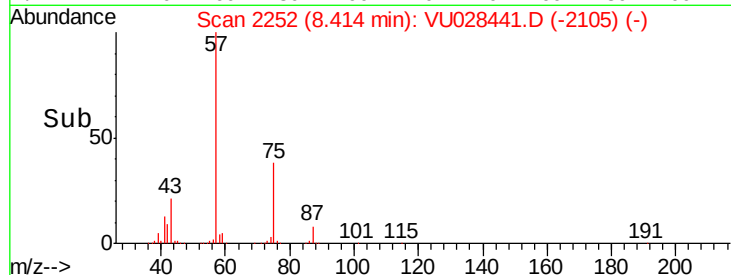
4000

2000

0

8.35 8.40 8.45

Time-->



#59

2-Hexanone

Concen: 31.042 ug/l

RT: 8.41 min Scan# 2252

Delta R.T. 0.05 min

Lab File: VU028441.D

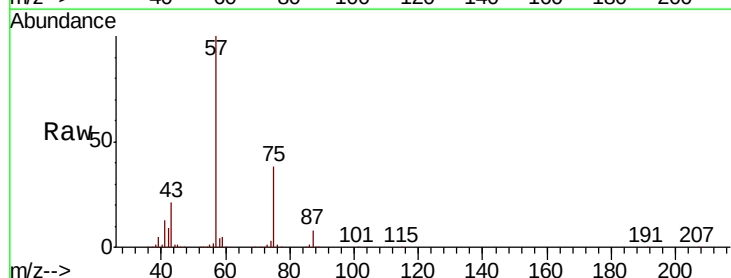
Acq: 03 Dec 2018 15:09

Tgt Ion: 43 Resp: 201080

Ion Ratio Lower Upper

43 100

58 18.4 25.5 76.5#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

8.41

150000

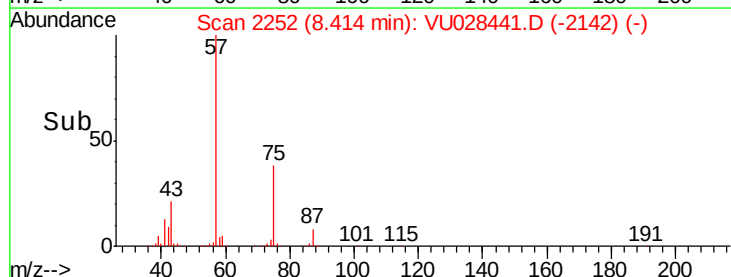
100000

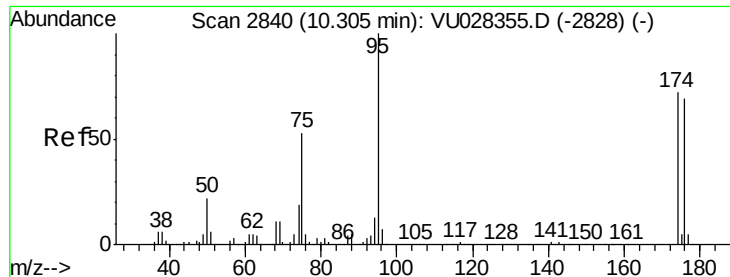
50000

0

8.35 8.40 8.45 8.50

Time-->

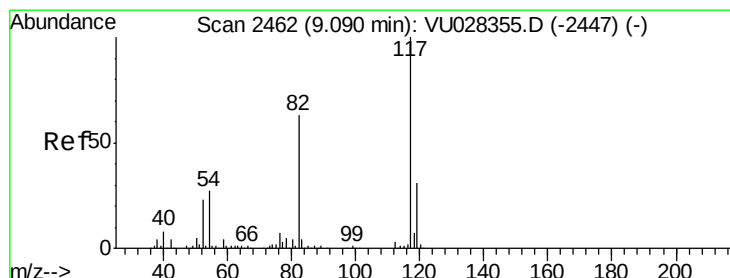
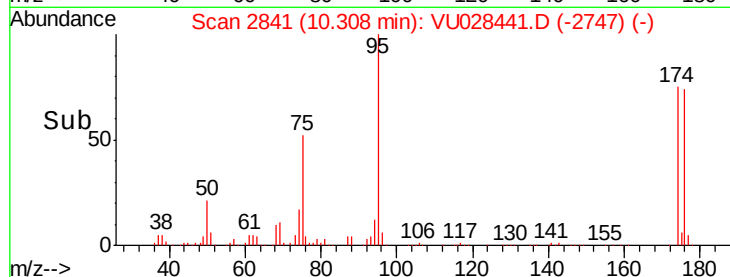
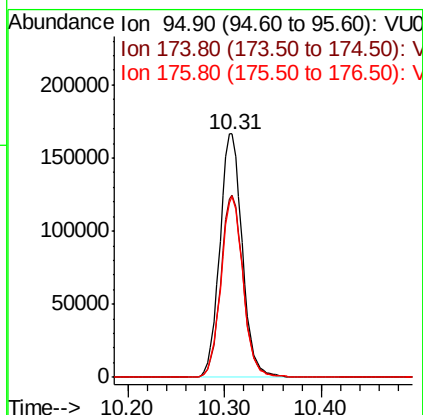
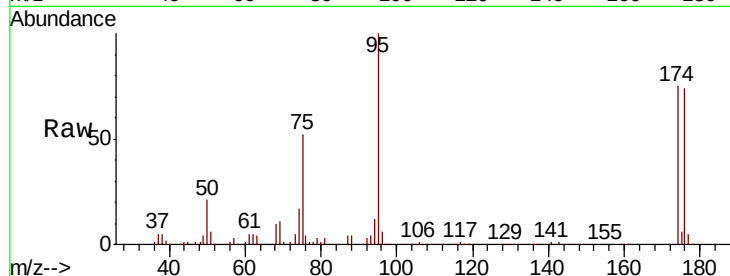




#62
4-Bromofluorobenzene
Concen: 50.459 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028441.D
Acq: 03 Dec 2018 15:09

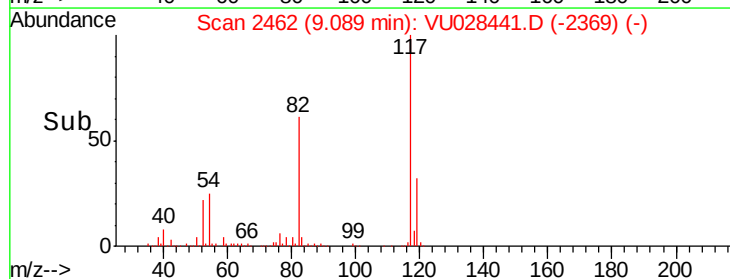
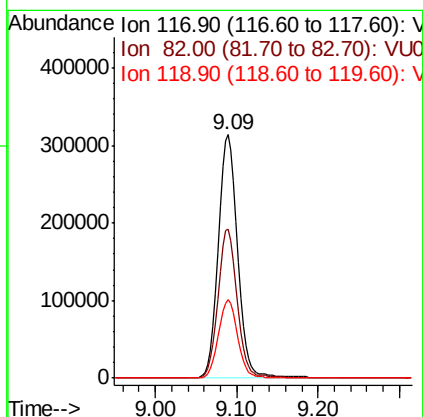
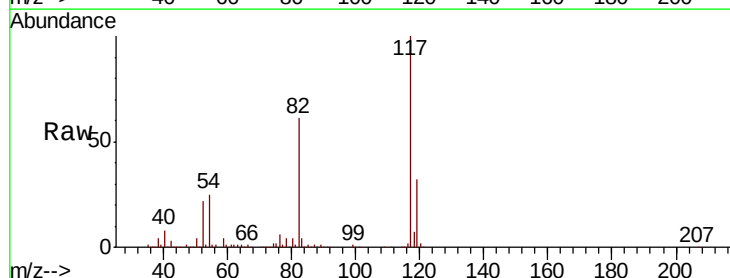
Instrument :
MSVOA_U
ClientSampleId :
TEST-PIT

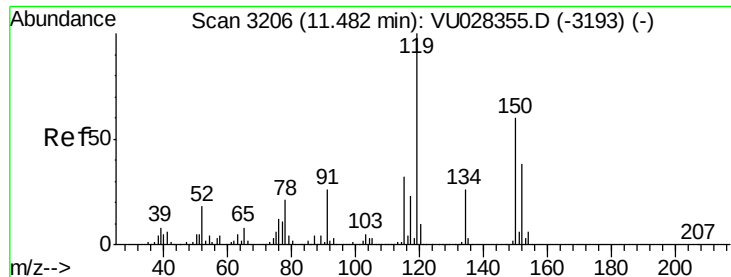
Tot Ion: 95 Resp: 267979
Ion Ratio Lower Upper
95 100
174 74.6 0.0 145.4
176 73.0 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028441.D
Acq: 03 Dec 2018 15:09

Tgt Ion: 117 Resp: 530475
Ion Ratio Lower Upper
117 100
82 61.2 50.3 75.5
119 32.3 24.8 37.2



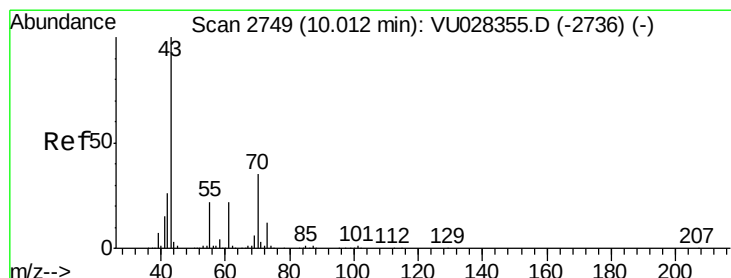
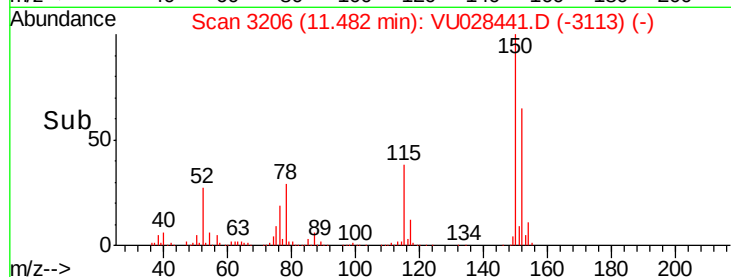
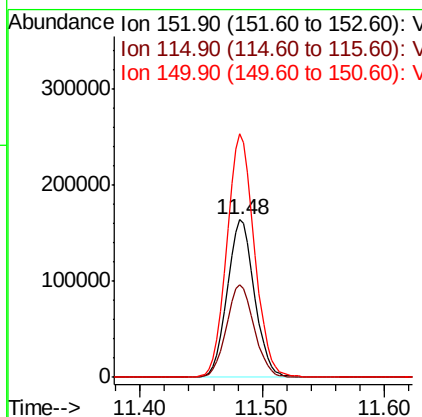
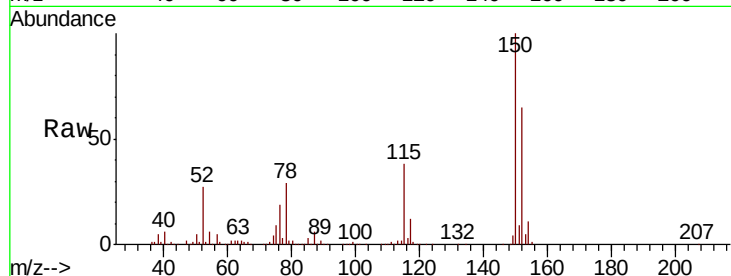


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028441.D
Acq: 03 Dec 2018 15:09

Instrument :
MSVOA_U
ClientSampleId :
TEST-PIT

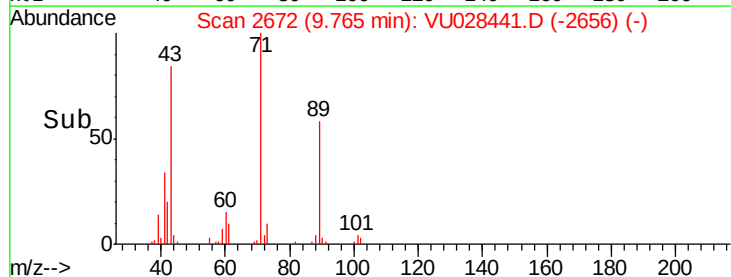
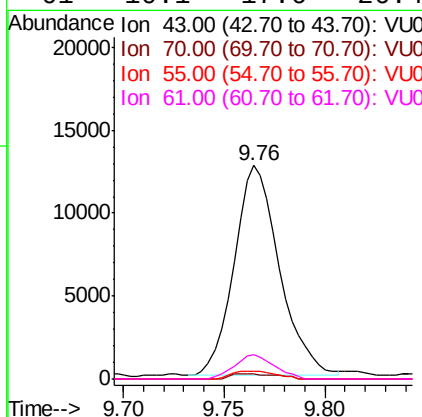
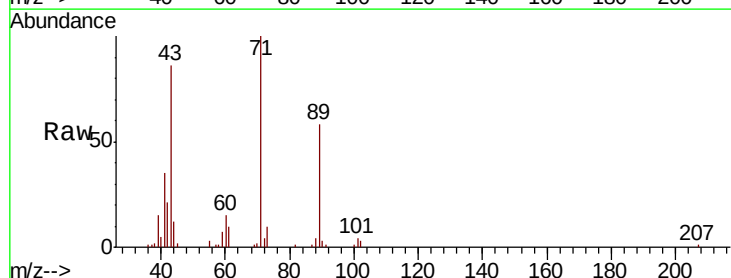
Tot Ion:152 Resp: 256720
Ion Ratio Lower Upper
152 100
115 60.1 45.0 134.8
150 156.0 0.0 349.2

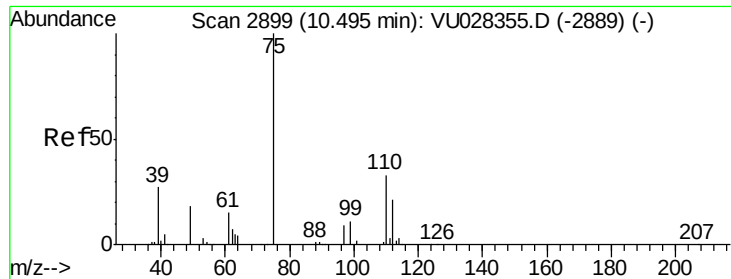


#74

N-ethyl acetate
Concen: 1.596 ug/l
RT: 9.76 min Scan# 2672
Delta R.T. -0.25 min
Lab File: VU028441.D
Acq: 03 Dec 2018 15:09

Tgt Ion: 43 Resp: 19968
Ion Ratio Lower Upper
43 100
70 2.5 28.4 42.6#
55 3.7 18.0 27.0#
61 10.1 17.6 26.4#





#76

1,2,3-Trichloropropane

Concen: 19.766 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028441.D

Acq: 03 Dec 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

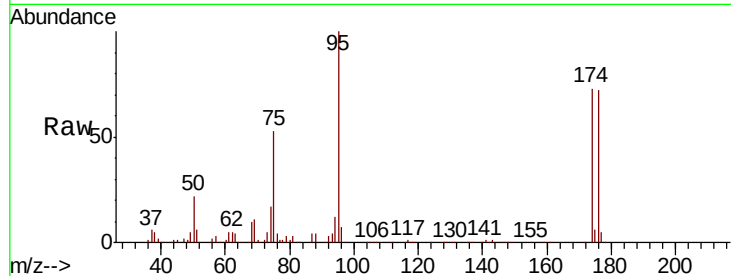
TEST-PIT

Tot Ion: 75 Resp: 140715

Ion Ratio Lower Upper

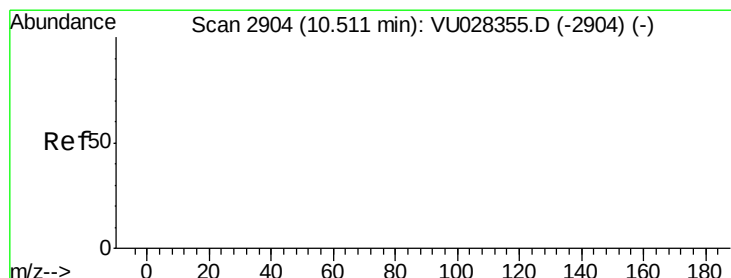
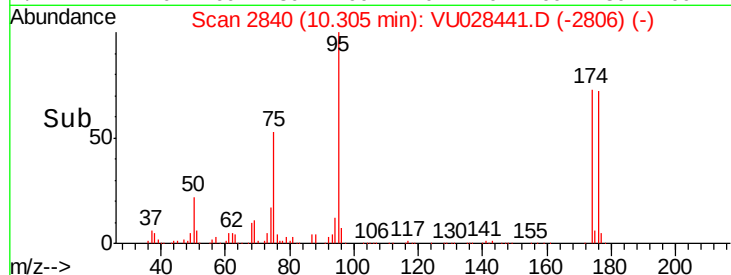
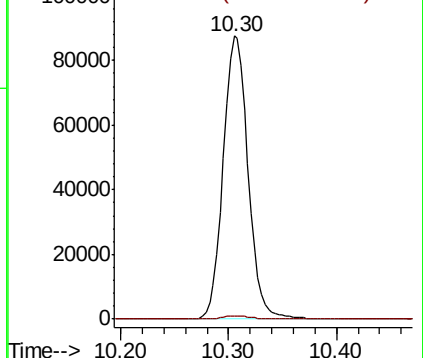
75 100

77 1.3 22.4 67.0#



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: 52.469 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.20 min

Lab File: VU028441.D

Acq: 03 Dec 2018 15:09

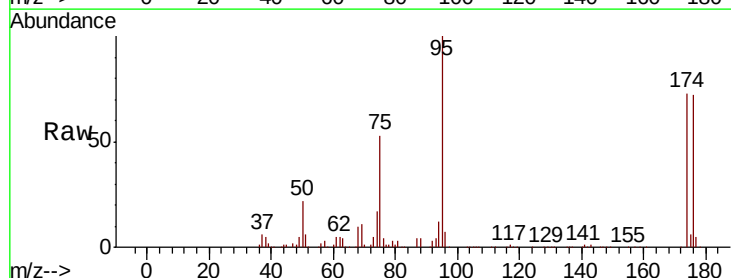
Tgt Ion: 75 Resp: 140715

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

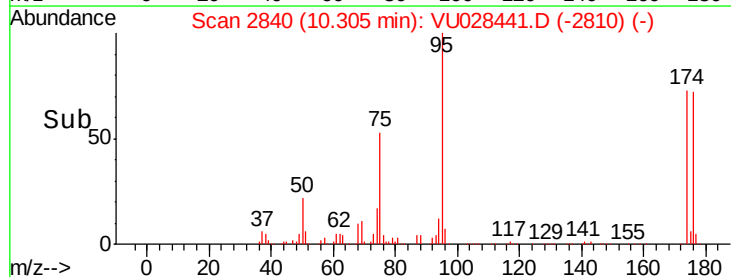
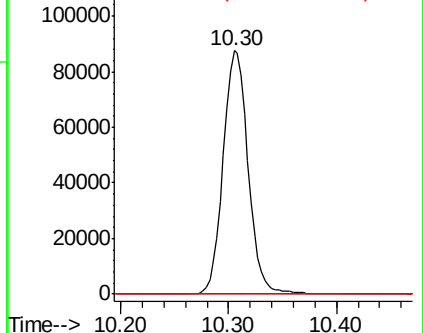
89 0.0 0.0 0.0#

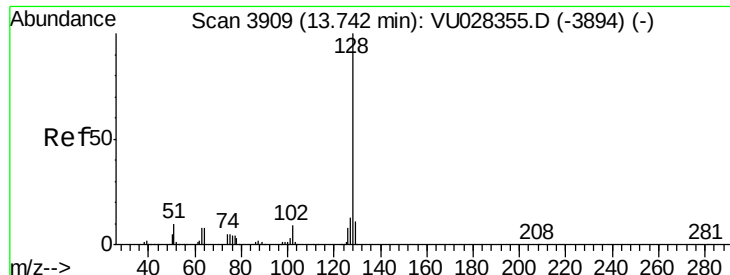


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#95

Naphthalene

Concen: 3.346 ug/l

RT: 13.75 min Scan# 3911

Delta R.T. 0.01 min

Lab File: VU028441.D

Acq: 03 Dec 2018 15:09

Instrument :

MSVOA_U

ClientSampleId :

TEST-PIT

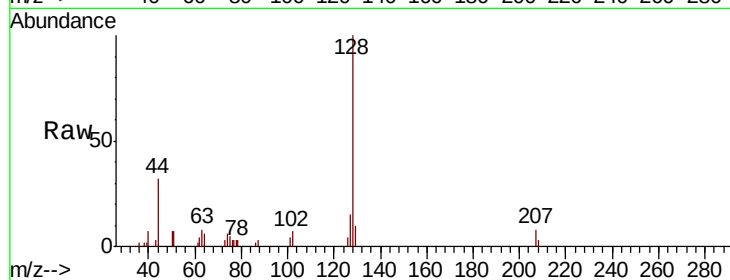
Tot Ion:128 Resp: 11694

Ion Ratio Lower Upper

128 100

127 9.3 10.6 15.8#

129 11.1 8.6 12.8



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

