

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120318\
 Data File : VU028443.D
 Acq On : 03 Dec 2018 15:55
 Operator : MD/SY
 Sample : J6148-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TP-MH-F

Quant Time: Dec 04 06:56:29 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	294241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	557152	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	509518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	239211	50.00	ug/l	0.00

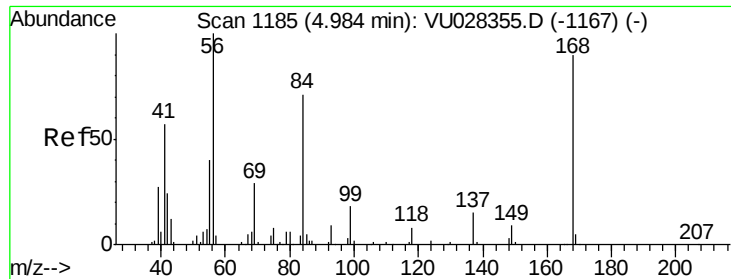
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	248396	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
35) Dibromofluoromethane	4.88	113	180067	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
50) Toluene-d8	7.57	98	715200	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
62) 4-Bromofluorobenzene	10.31	95	259711	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	2.83	59	455	0.407	ug/l #	72
14) Allyl chloride	2.70	41	31427	3.827	ug/l #	28
16) Acetone	2.32	43	18333	6.094	ug/l	95
18) Methyl Acetate	2.63	43	1966	0.235	ug/l #	88
20) Methylene Chloride	2.70	84	685558	161.744	ug/l	95
29) Tetrahydrofuran	4.66	42	1323	0.473	ug/l #	56
31) Cyclohexane	4.98	56	7114	0.487	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	26151	4.289	ug/l #	51
38) Carbon Tetrachloride	4.98	117	28500	5.693	ug/l #	16
43) Isopropyl Acetate	5.55	43	44655	3.392	ug/l	99
45) 1,2-Dichloropropane	6.70	63	1682	0.318	ug/l #	43
48) Methyl methacrylate	6.70	41	145513	21.217	ug/l #	47
49) 1,4-Dioxane	6.71	88	124	1.132	ug/l #	1
51) 4-Methyl-2-Pentanone	7.42	43	118167	14.052	ug/l #	49
54) cis-1,3-Dichloropropene	7.42	75	52005	6.719	ug/l #	59
57) 1,3-Dichloropropane	8.41	76	10166	1.281	ug/l #	43
59) 2-Hexanone	8.41	43	157473	24.176	ug/l #	54
76) 1,2,3-Trichloropropane	10.30	75	135924	20.490	ug/l #	33
81) trans-1,4-Dichloro-2-buten	10.30	75	135924	54.392	ug/l #	100
95) Naphthalene	13.75	128	11589	3.378	ug/l #	90

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028443.D

Acq: 03 Dec 2018 15:55

Instrument :

MSVOA_U

ClientSampleId :

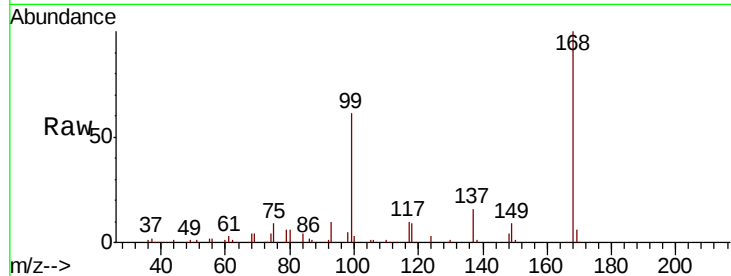
TP-MH-F

Tot Ion:168 Resp: 294241

Ion Ratio Lower Upper

168 100

99 61.0 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) (-)

4.98

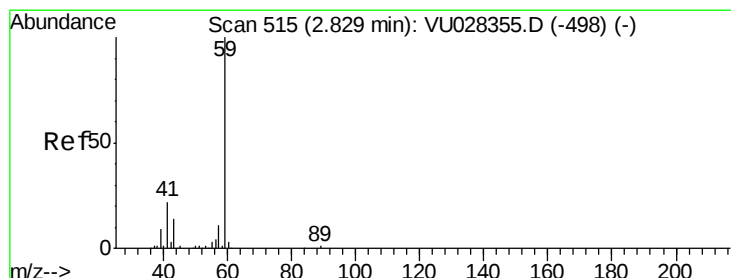
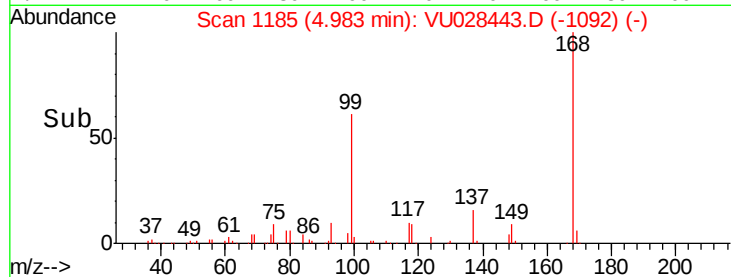
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.407 ug/l

RT: 2.83 min Scan# 516

Delta R.T. 0.00 min

Lab File: VU028443.D

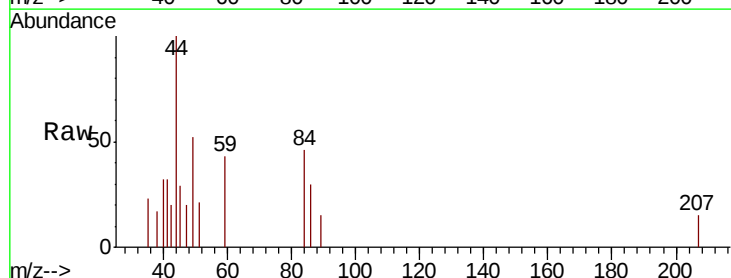
Acq: 03 Dec 2018 15:55

Tgt Ion: 59 Resp: 455

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) (-)

2.83

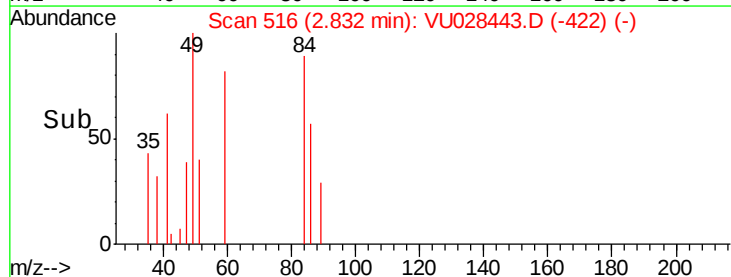
300

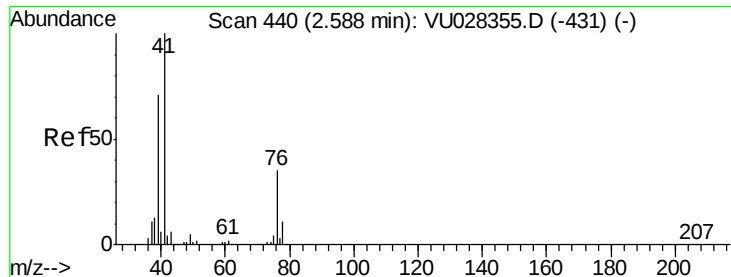
200

100

0

Time-->

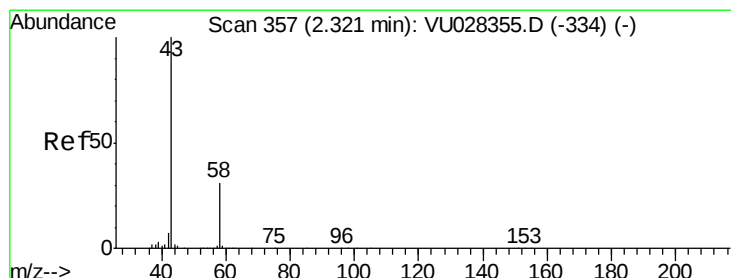
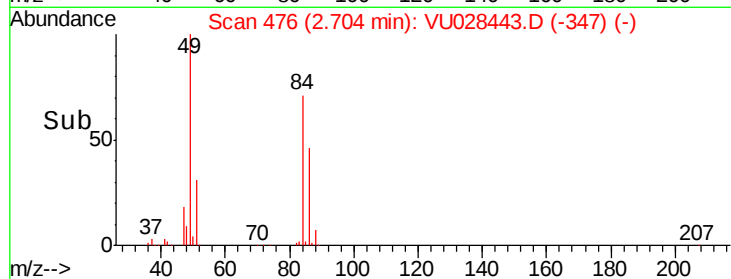
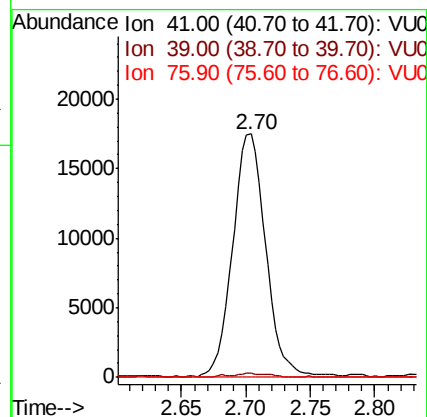
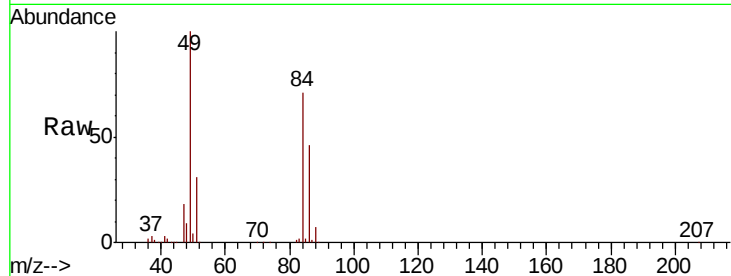




#14
Allvl chloride
Concen: 3.827 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.12 min
Lab File: VU028443.D
Acq: 03 Dec 2018 15:55

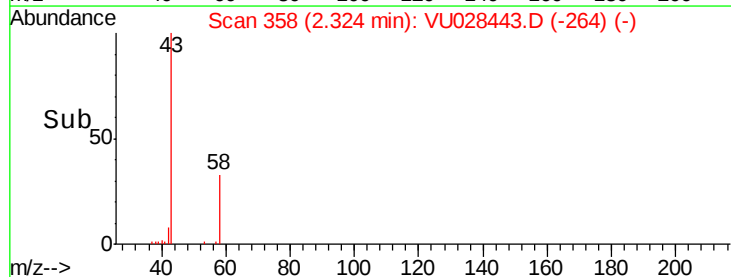
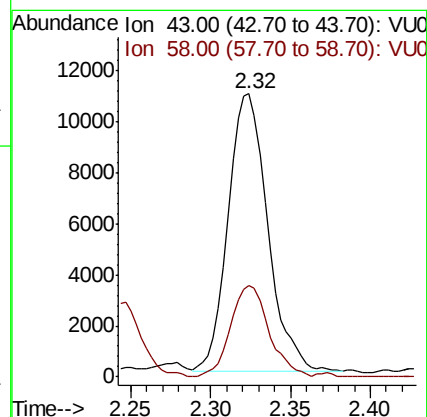
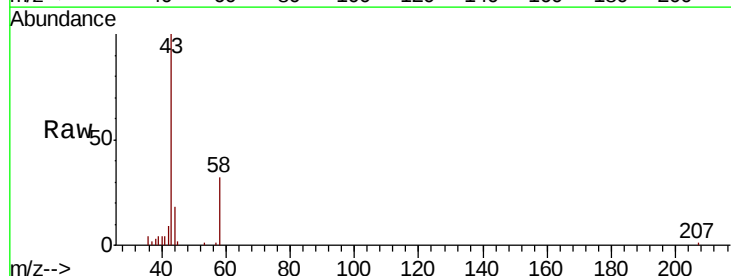
Instrument :
MSVOA_U
ClientSampleId :
TP-MH-F

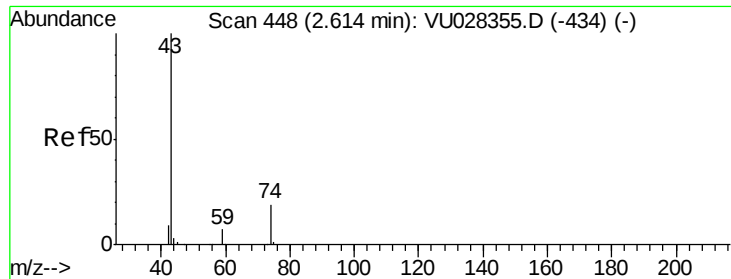
Tot Ion: 41 Resp: 31427
Ion Ratio Lower Upper
41 100
39 1.4 51.6 77.4#
76 0.0 24.4 36.6#



#16
Acetone
Concen: 6.094 ug/l
RT: 2.32 min Scan# 358
Delta R.T. 0.00 min
Lab File: VU028443.D
Acq: 03 Dec 2018 15:55

Tgt Ion: 43 Resp: 18333
Ion Ratio Lower Upper
43 100
58 33.0 24.4 36.6

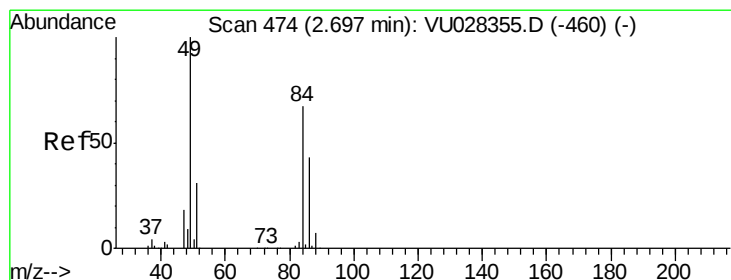
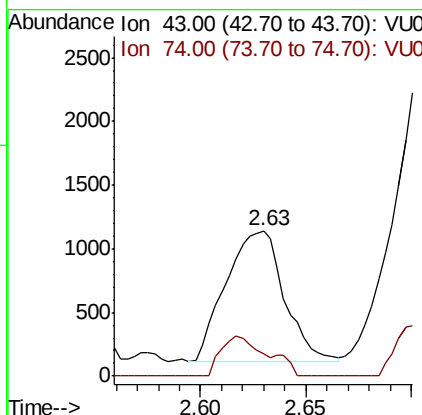
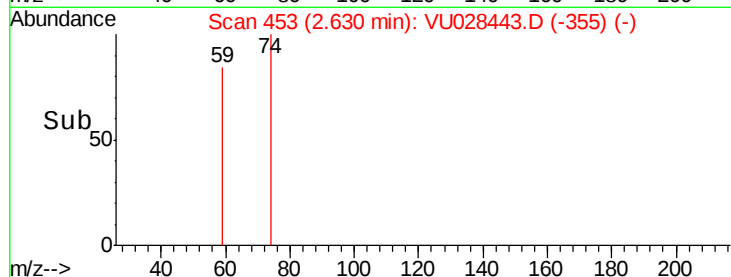
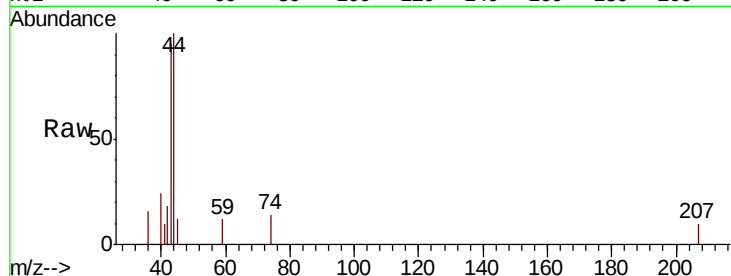




#18
Methyl Acetate
Concen: 0.235 ug/l
RT: 2.63 min Scan# 453
Delta R.T. 0.02 min
Lab File: VU028443.D
Acq: 03 Dec 2018 15:55

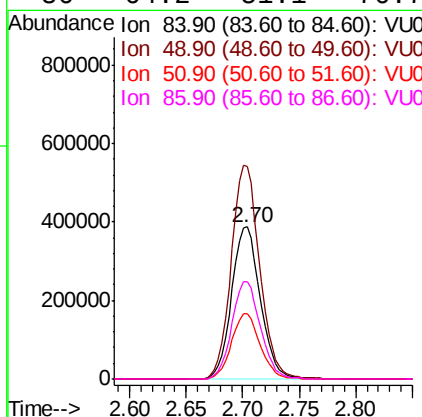
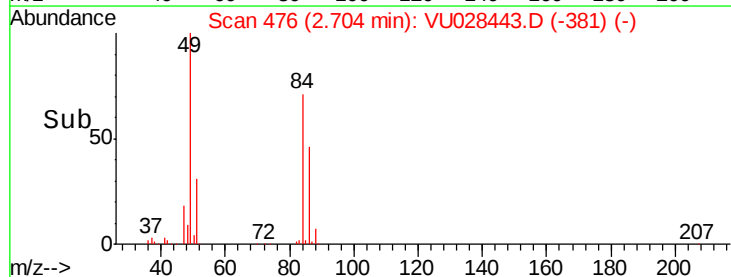
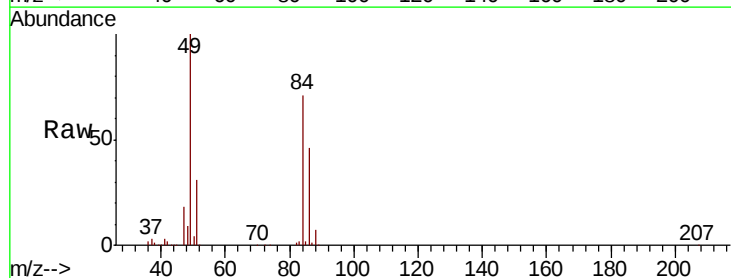
Instrument :
MSVOA_U
ClientSampleId :
TP-MH-F

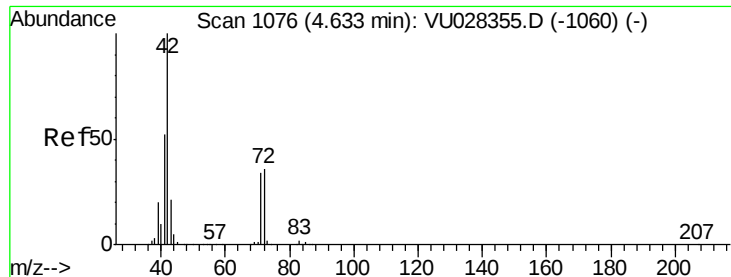
Tot Ion: 43 Resp: 1966
Ion Ratio Lower Upper
43 100
74 24.3 15.3 22.9#



#20
Methylene Chloride
Concen: 161.744 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.01 min
Lab File: VU028443.D
Acq: 03 Dec 2018 15:55

Tgt Ion: 84 Resp: 685558
Ion Ratio Lower Upper
84 100
49 140.1 120.0 180.0
51 43.1 36.9 55.3
86 64.2 51.1 76.7





#29

Tetrahydrofuran

Concen: 0.473 ug/l

RT: 4.66 min Scan# 1084

Delta R.T. 0.03 min

Lab File: VU028443.D

Acq: 03 Dec 2018 15:55

Instrument :

MSVOA_U

ClientSampleId :

TP-MH-F

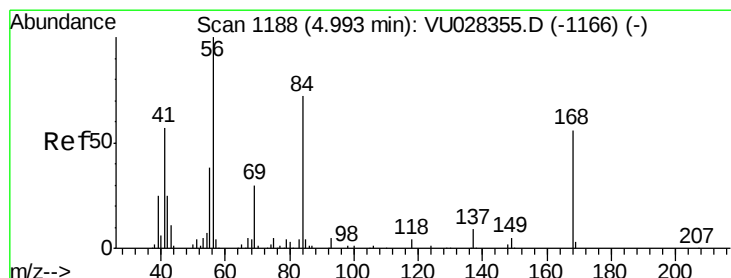
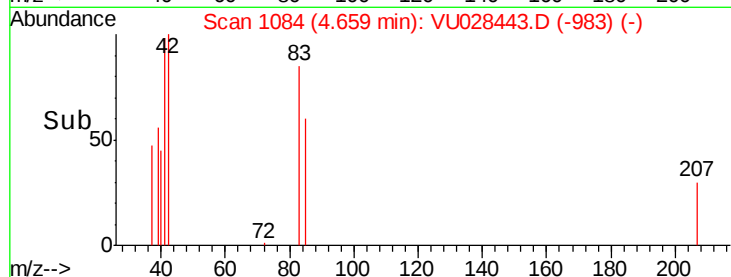
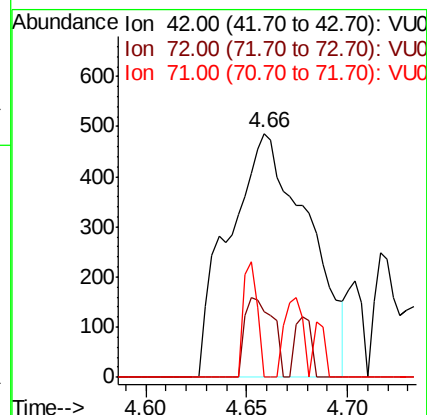
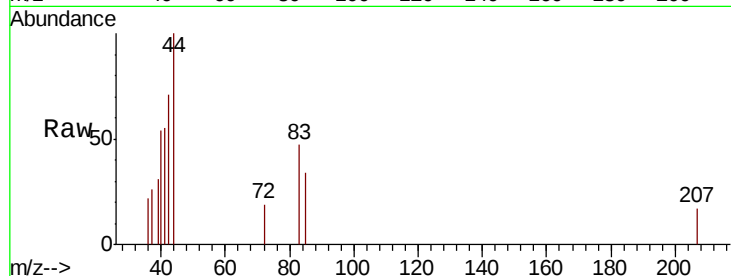
Tot Ion: 42 Resp: 1323

Ion Ratio Lower Upper

42 100

72 11.6 29.5 44.3#

71 8.3 27.7 41.5#



#31

Cyclohexane

Concen: 0.487 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VU028443.D

Acq: 03 Dec 2018 15:55

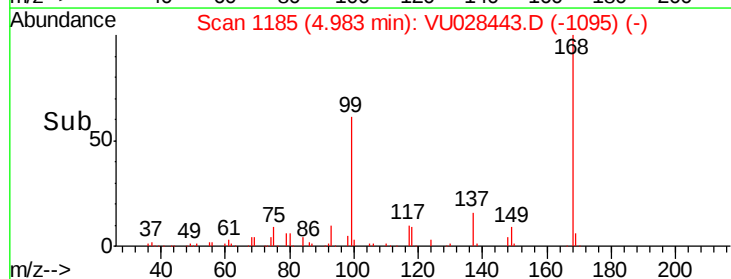
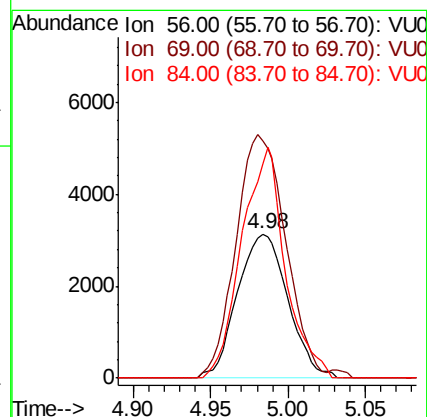
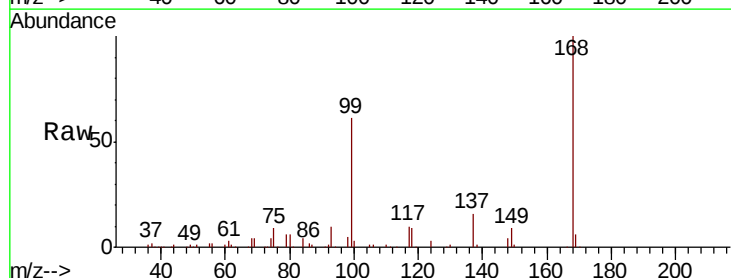
Tgt Ion: 56 Resp: 7114

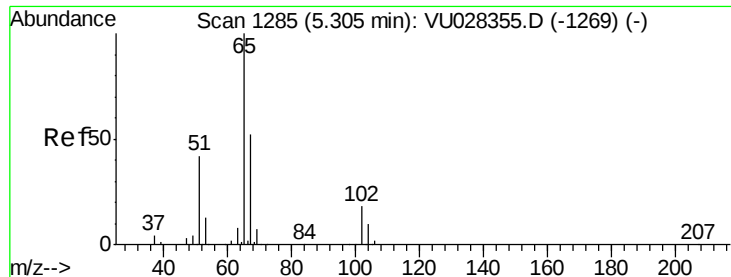
Ion Ratio Lower Upper

56 100

69 164.5 23.7 35.5#

84 148.7 57.3 85.9#

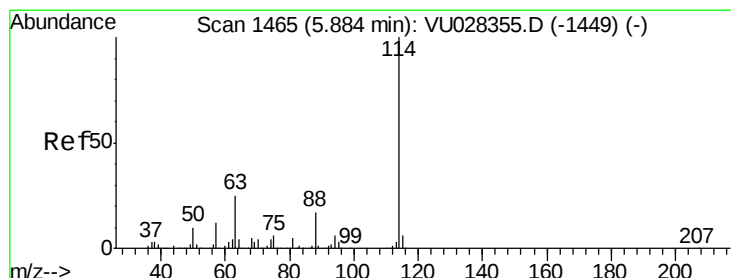
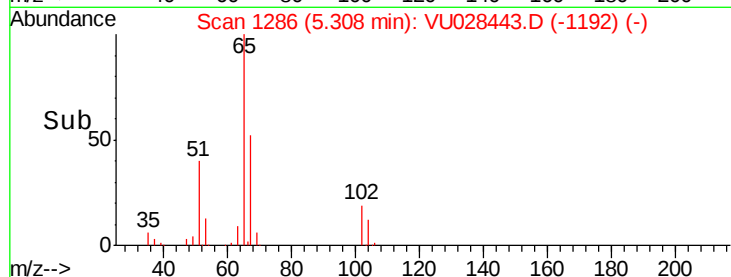
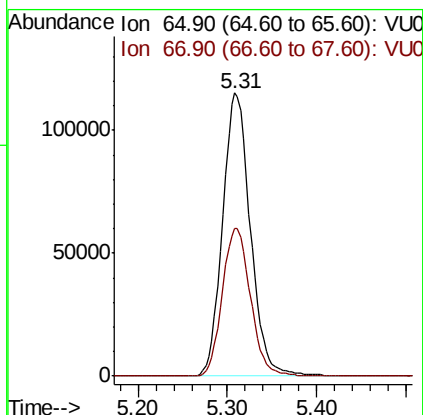
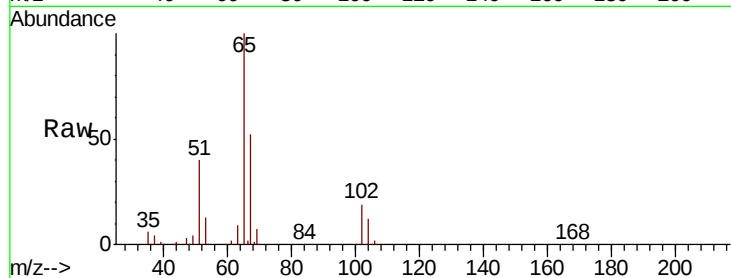




#33
 1,2-Dichloroethane-d4
 Concen: 50.513 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028443.D
 Acq: 03 Dec 2018 15:55

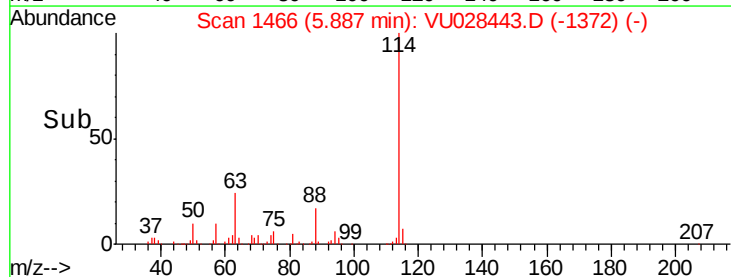
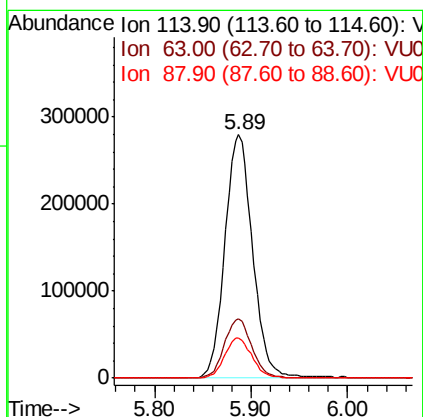
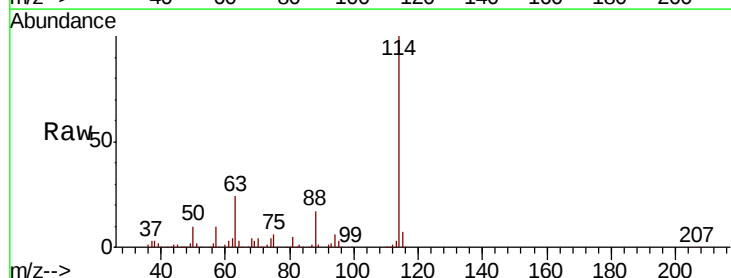
Instrument :
 MSVOA_U
 ClientSampleId :
 TP-MH-F

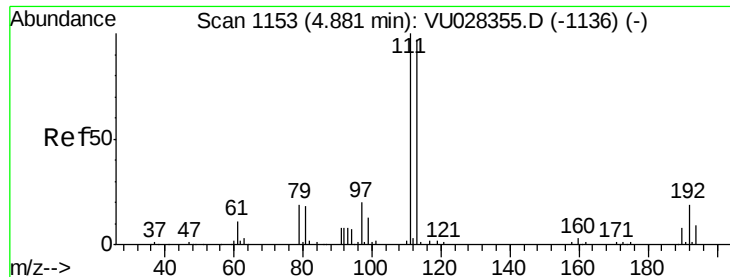
Tot Ion: 65 Resp: 248396
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028443.D
 Acq: 03 Dec 2018 15:55

Tgt Ion: 114 Resp: 557152
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 50.0
 88 16.7 0.0 34.4





#35

Dibromofluoromethane

Concen: 48.603 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028443.D

Acq: 03 Dec 2018 15:55

Instrument :

MSVOA_U

ClientSampled :

TP-MH-F

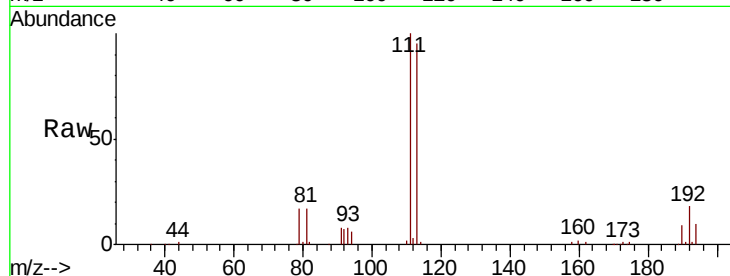
Tot Ion:113 Resp: 180067

Ion Ratio Lower Upper

113 100

111 105.4 82.9 124.3

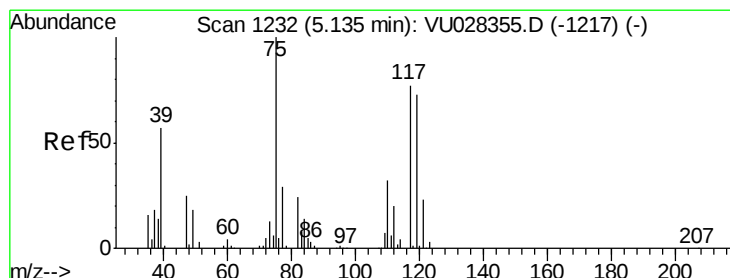
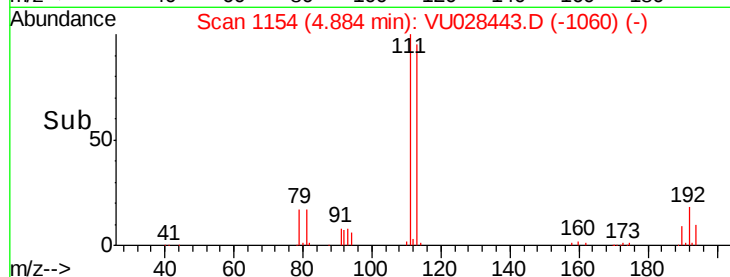
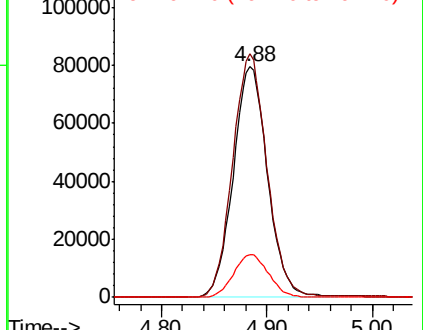
192 18.8 15.4 23.0



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: 4.289 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028443.D

Acq: 03 Dec 2018 15:55

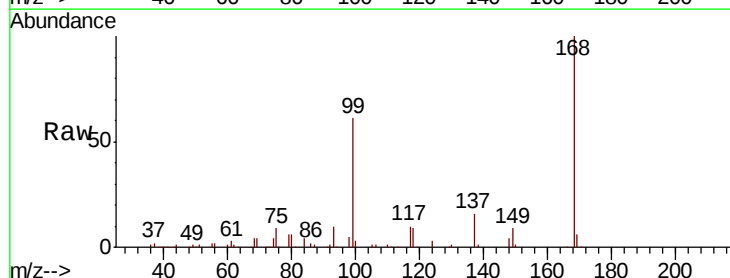
Tgt Ion: 75 Resp: 26151

Ion Ratio Lower Upper

75 100

110 8.1 15.8 47.4#

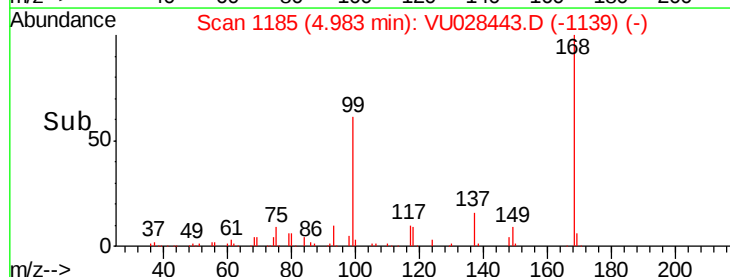
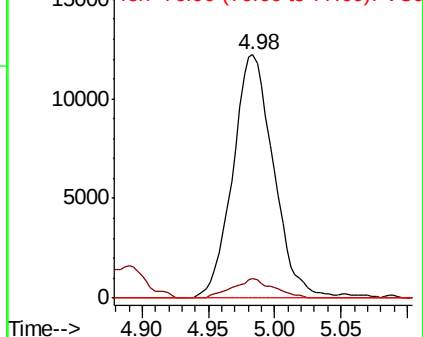
77 0.0 24.6 36.8#

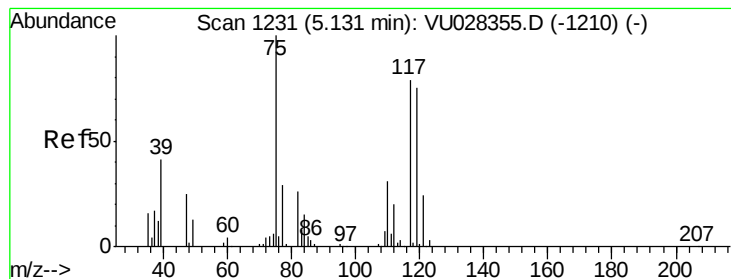


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 5.693 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028443.D

Acq: 03 Dec 2018 15:55

Instrument :

MSVOA_U

ClientSampleId :

TP-MH-F

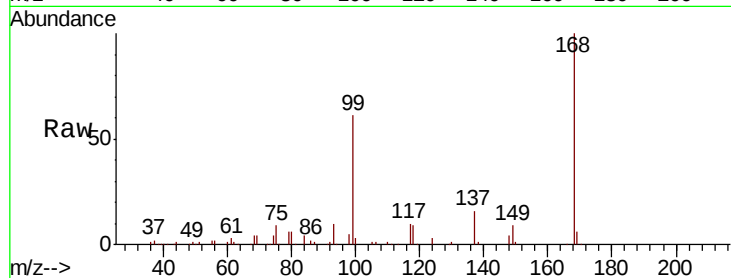
Tot Ion:117 Resp: 28500

Ion Ratio Lower Upper

117 100

119 4.4 76.3 114.5#

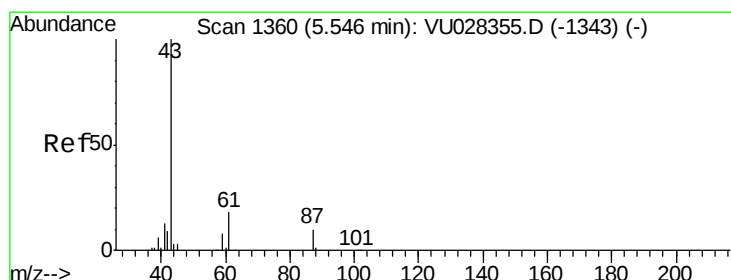
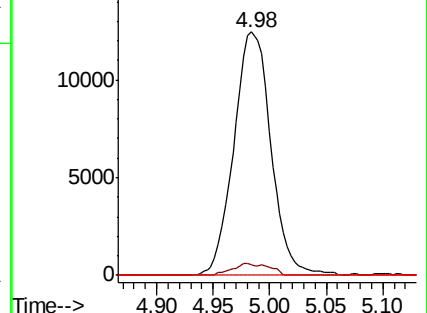
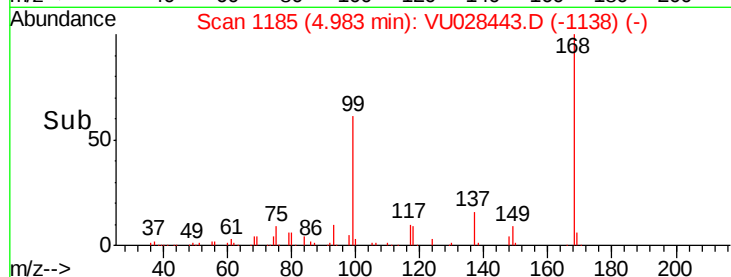
121 0.0 24.7 37.1#



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



#43

Isopropyl Acetate

Concen: 3.392 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VU028443.D

Acq: 03 Dec 2018 15:55

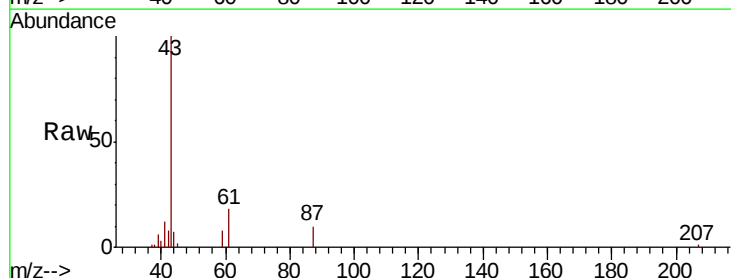
Tgt Ion: 43 Resp: 44655

Ion Ratio Lower Upper

43 100

61 18.6 14.5 21.7

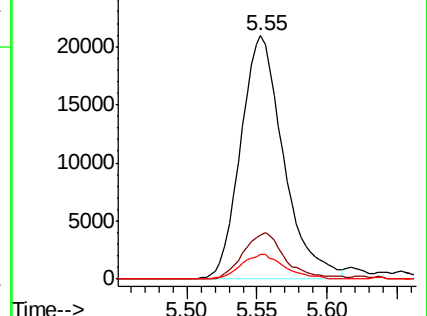
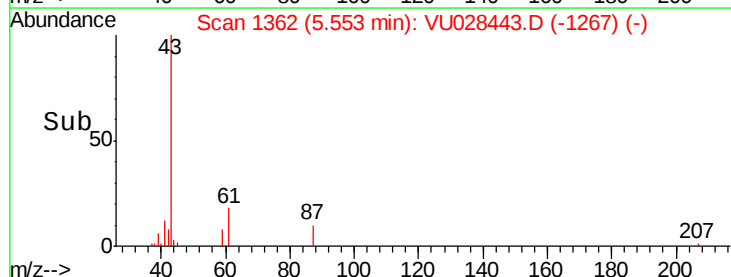
87 10.3 8.4 12.6

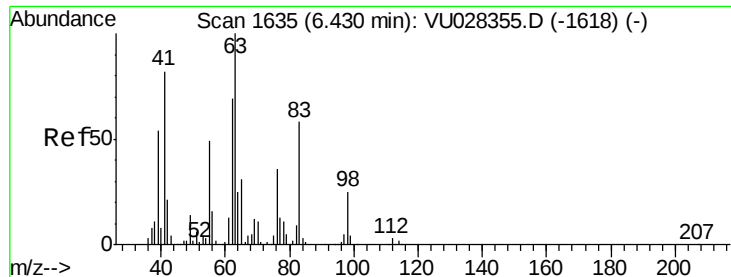


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#45

1,2-Dichloropropane

Concen: 0.318 ug/l

RT: 6.70 min Scan# 1720

Delta R.T. 0.27 min

Lab File: VU028443.D

Acq: 03 Dec 2018 15:55

Instrument :

MSVOA_U

ClientSampleId :

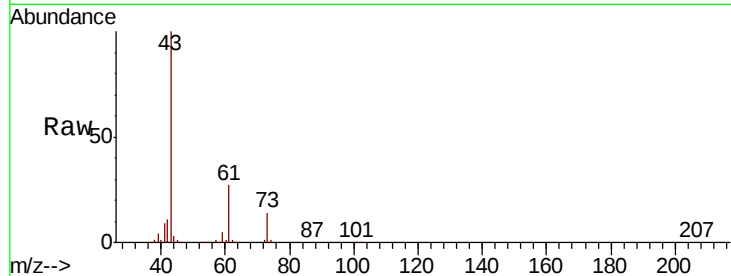
TP-MH-F

Tot Ion: 63 Resp: 1682

Ion Ratio Lower Upper

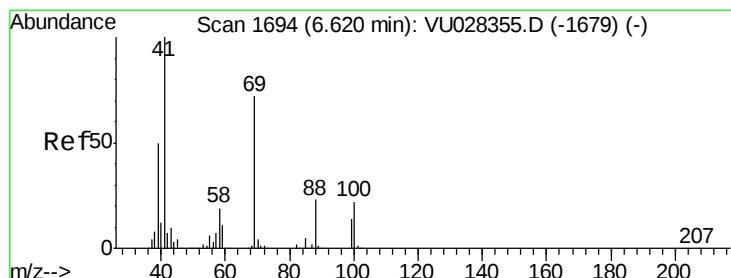
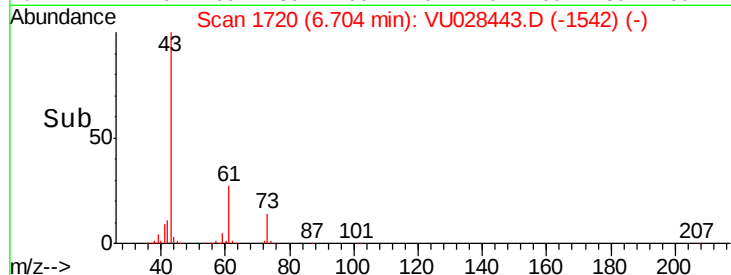
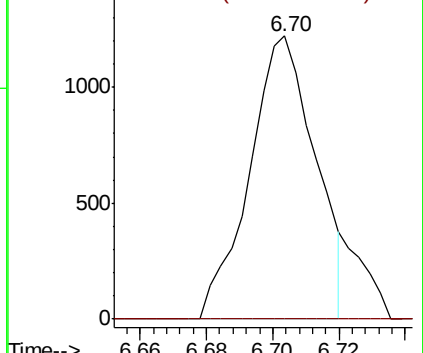
63 100

65 0.0 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#48

Methyl methacrylate

Concen: 21.217 ug/l

RT: 6.70 min Scan# 1720

Delta R.T. 0.08 min

Lab File: VU028443.D

Acq: 03 Dec 2018 15:55

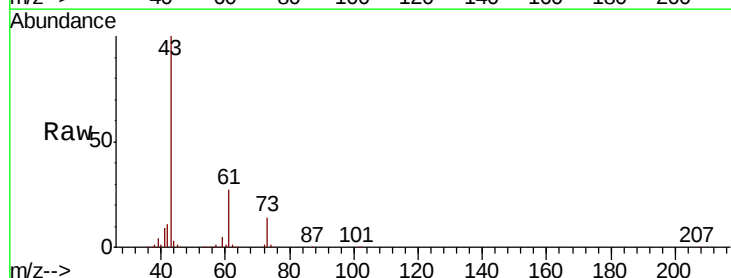
Tgt Ion: 41 Resp: 145513

Ion Ratio Lower Upper

41 100

69 0.0 59.0 88.4#

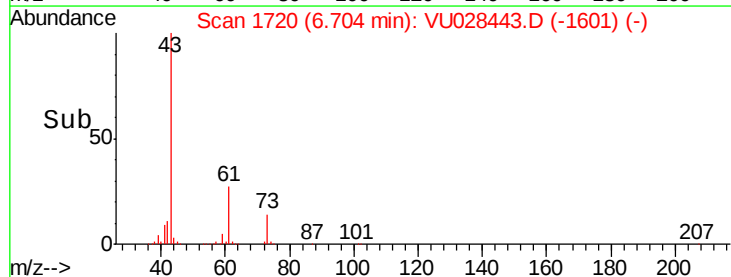
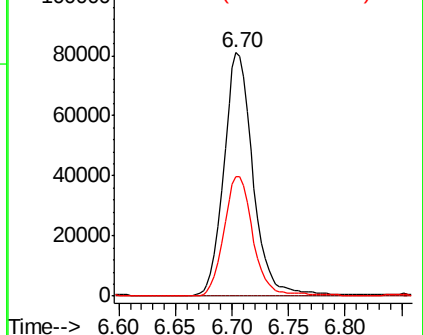
39 48.7 40.5 60.7

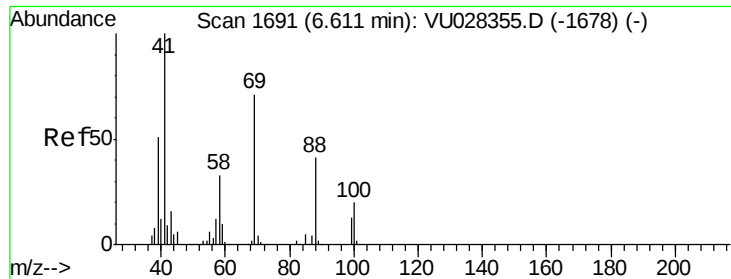


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#49

1,4-Dioxane

Concen: 1.132 ug/l

RT: 6.71 min Scan# 1722

Delta R.T. 0.10 min

Lab File: VU028443.D

Acq: 03 Dec 2018 15:55

Instrument :

MSVOA_U

ClientSampleId :

TP-MH-F

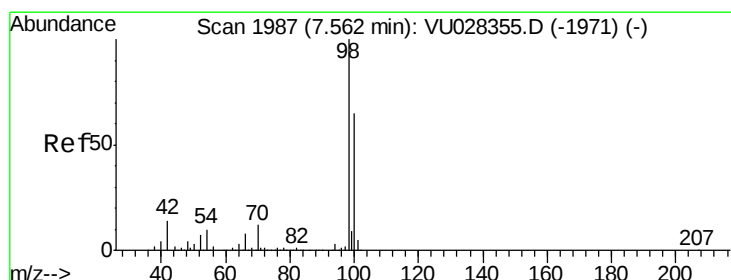
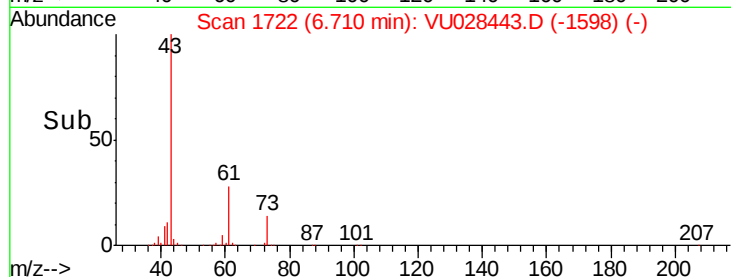
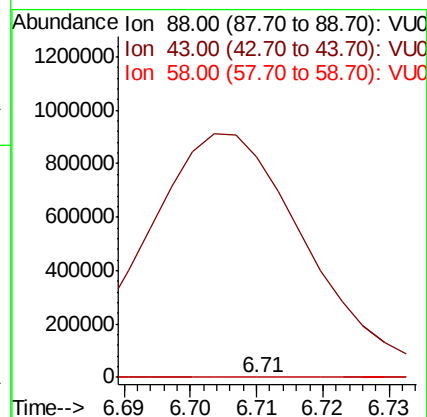
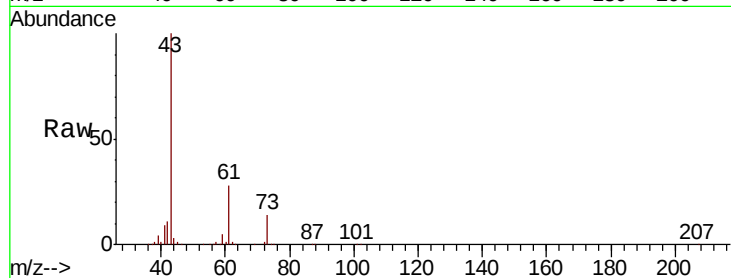
Tot Ion: 88 Resp: 124

Ion Ratio Lower Upper

88 100

43 1317976.6 32.6 48.8#

58 5416.9 68.7 103.1#



#50

Toluene-d8

Concen: 48.270 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028443.D

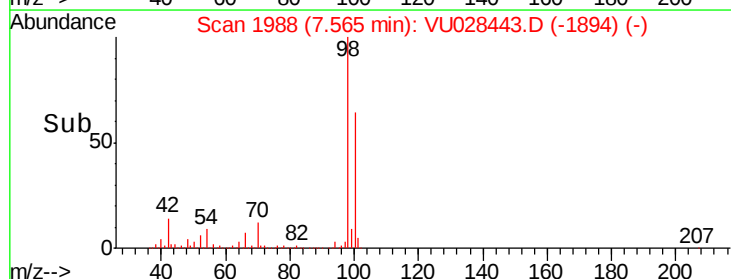
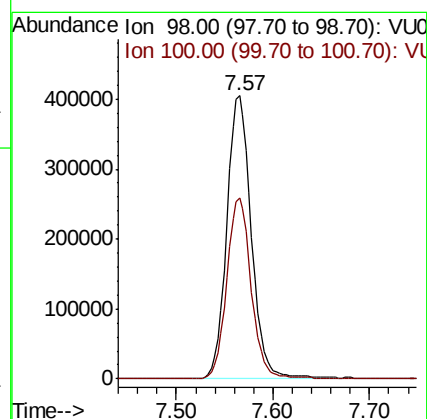
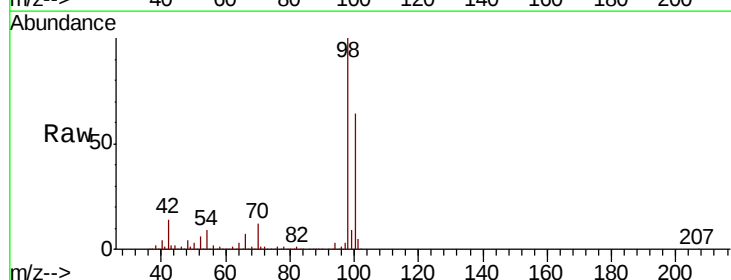
Acq: 03 Dec 2018 15:55

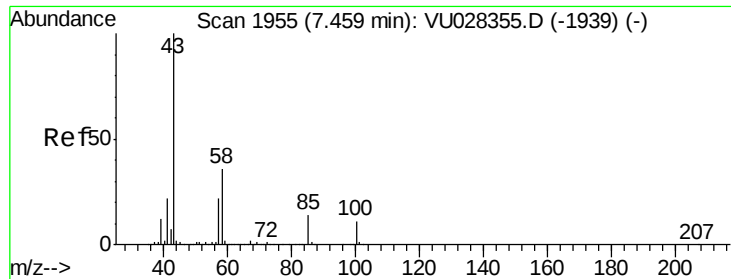
Tgt Ion: 98 Resp: 715200

Ion Ratio Lower Upper

98 100

100 63.2 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 14.052 ug/l

RT: 7.42 min Scan# 1943

Delta R.T. -0.04 min

Lab File: VU028443.D

Acq: 03 Dec 2018 15:55

Instrument :

MSVOA_U

ClientSampleId :

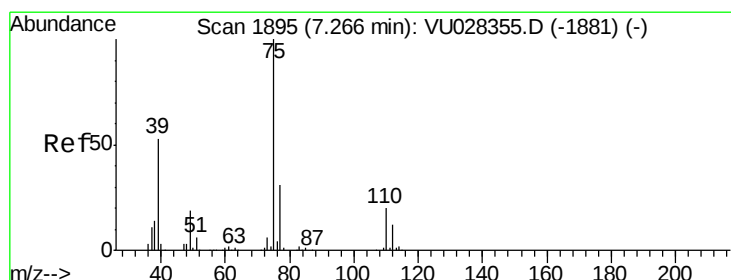
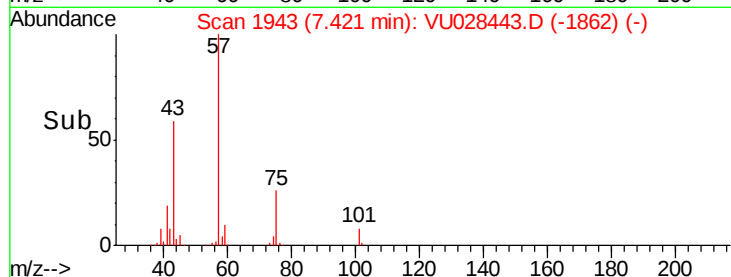
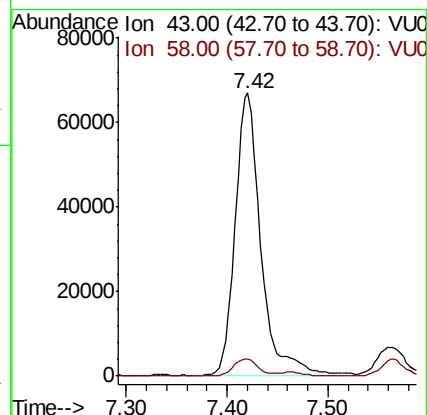
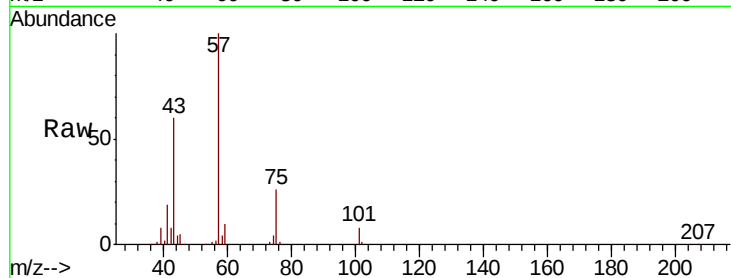
TP-MH-F

Tot Ion: 43 Resp: 118167

Ion Ratio Lower Upper

43 100

58 6.2 28.8 43.2#



#54

cis-1,3-Dichloropropene

Concen: 6.719 ug/l

RT: 7.42 min Scan# 1943

Delta R.T. 0.15 min

Lab File: VU028443.D

Acq: 03 Dec 2018 15:55

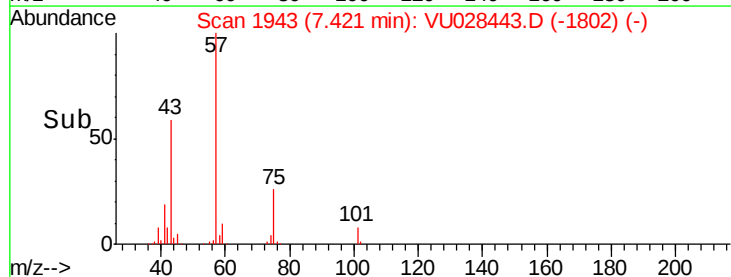
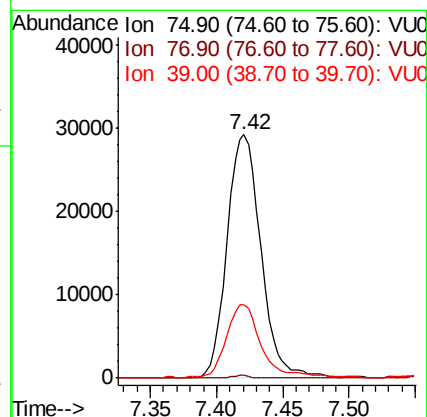
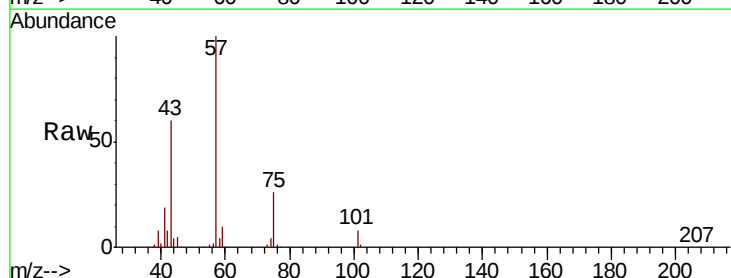
Tgt Ion: 75 Resp: 52005

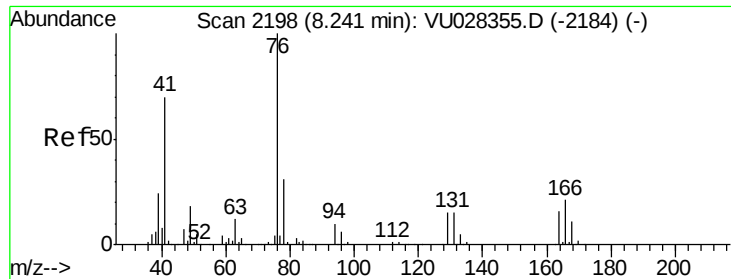
Ion Ratio Lower Upper

75 100

77 1.2 24.9 37.3#

39 29.8 42.6 64.0#





#57

1,3-Dichloropropane

Concen: 1.281 ug/l

RT: 8.41 min Scan# 2252

Delta R.T. 0.17 min

Lab File: VU028443.D

Acq: 03 Dec 2018 15:55

Instrument :

MSVOA_U

ClientSampleId :

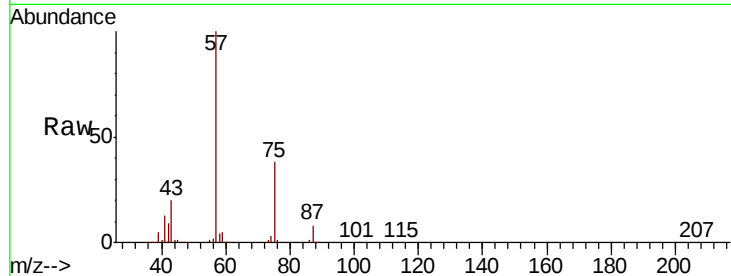
TP-MH-F

Tot Ion: 76 Resp: 10166

Ion Ratio Lower Upper

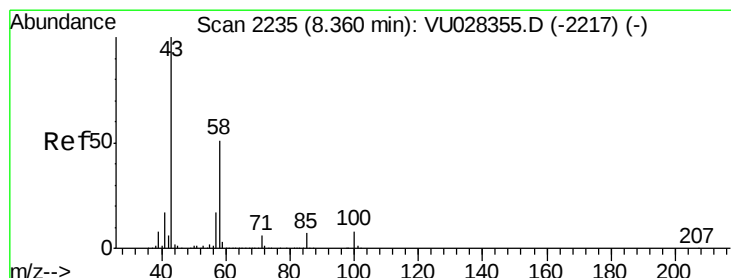
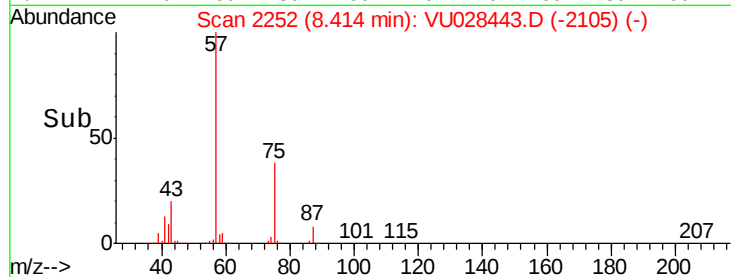
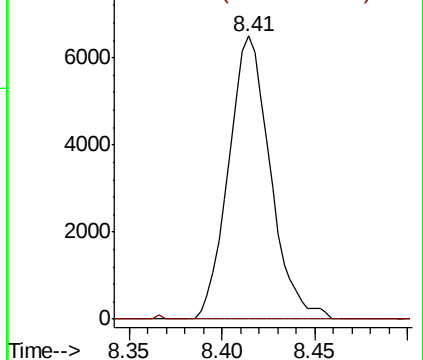
76 100

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



#59

2-Hexanone

Concen: 24.176 ug/l

RT: 8.41 min Scan# 2252

Delta R.T. 0.05 min

Lab File: VU028443.D

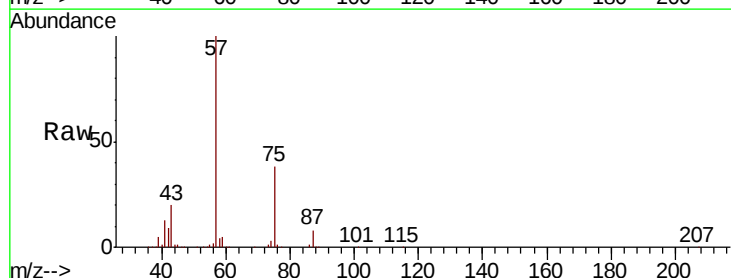
Acq: 03 Dec 2018 15:55

Tgt Ion: 43 Resp: 157473

Ion Ratio Lower Upper

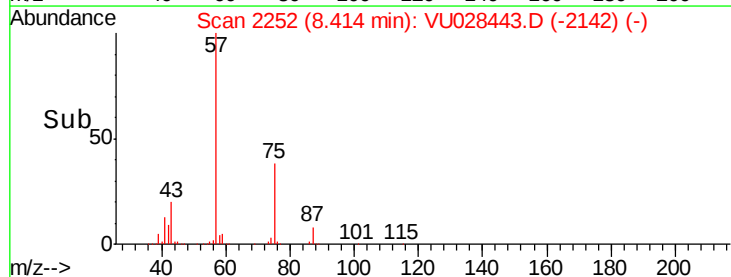
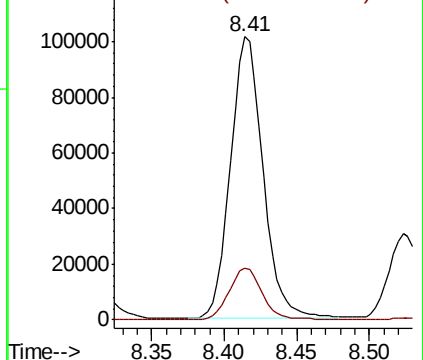
43 100

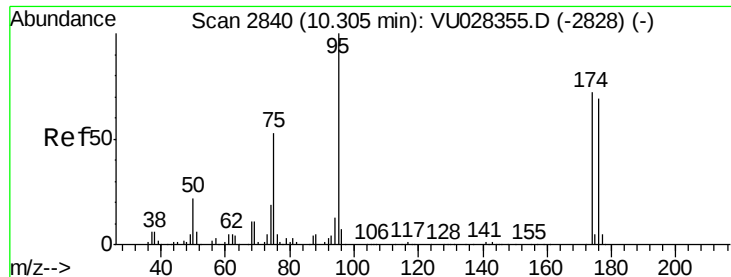
58 19.1 25.5 76.5#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

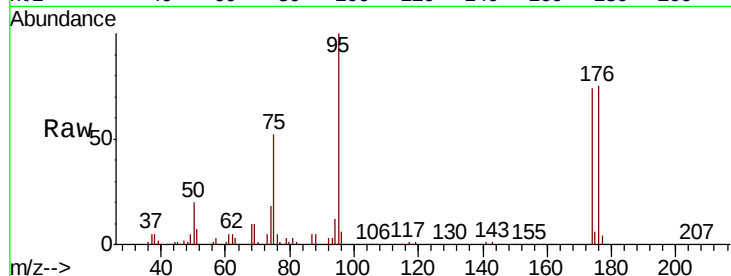




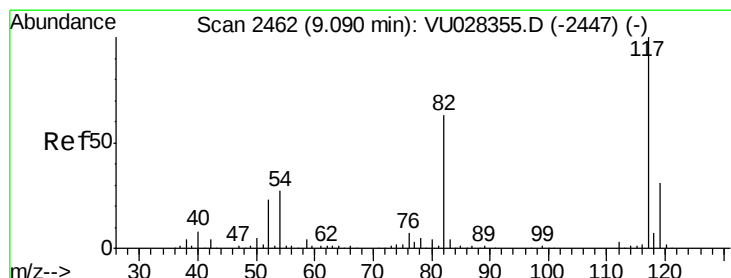
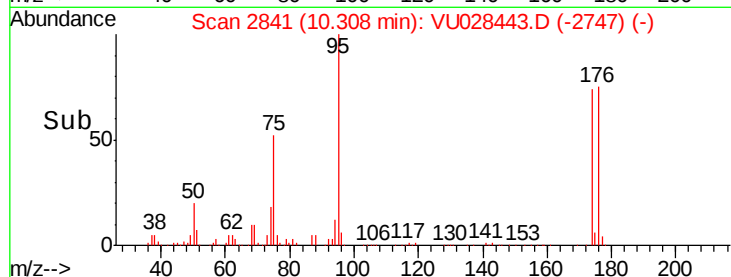
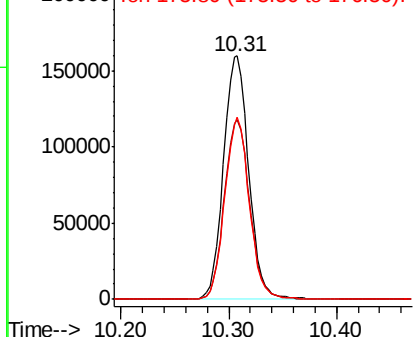
#62
4-Bromofluorobenzene
Concen: 48.632 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028443.D
Acq: 03 Dec 2018 15:55

Instrument :
MSVOA_U
ClientSampleId :
TP-MH-F

Tot Ion: 95 Resp: 259711
Ion Ratio Lower Upper
95 100
174 74.6 0.0 145.4
176 73.2 0.0 140.8

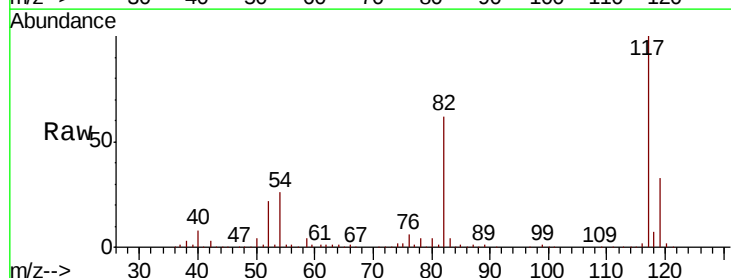


Abundance Ion 94.90 (94.60 to 95.60): VU0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

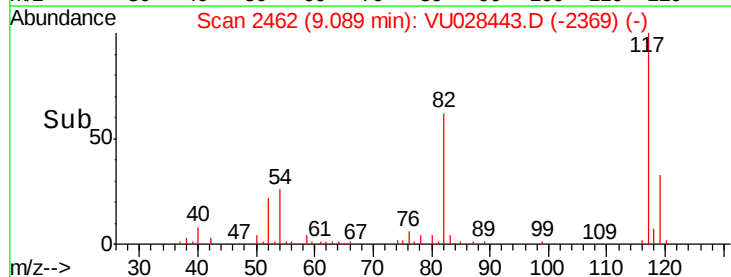
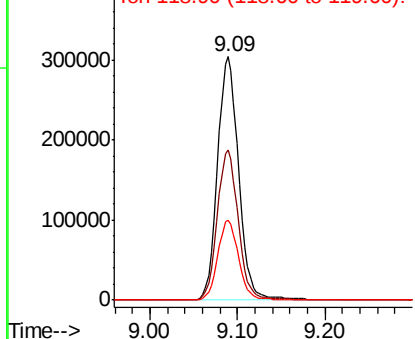


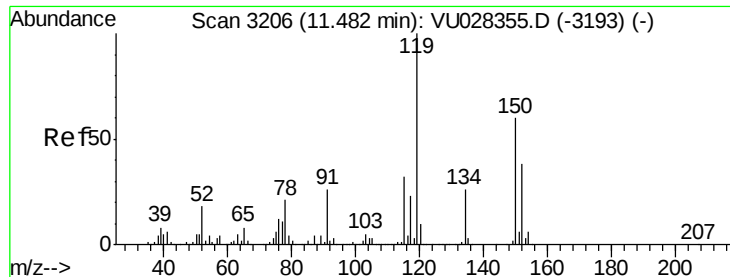
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028443.D
Acq: 03 Dec 2018 15:55

Tgt Ion: 117 Resp: 509518
Ion Ratio Lower Upper
117 100
82 61.9 50.3 75.5
119 33.0 24.8 37.2



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V



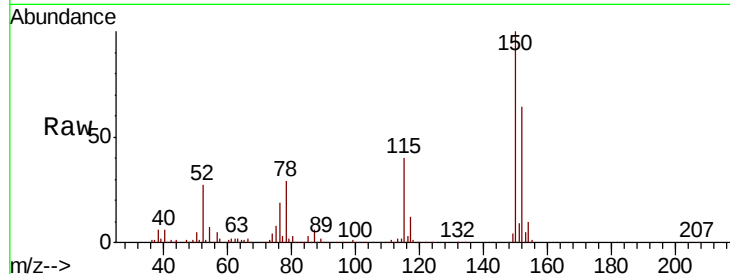


#72

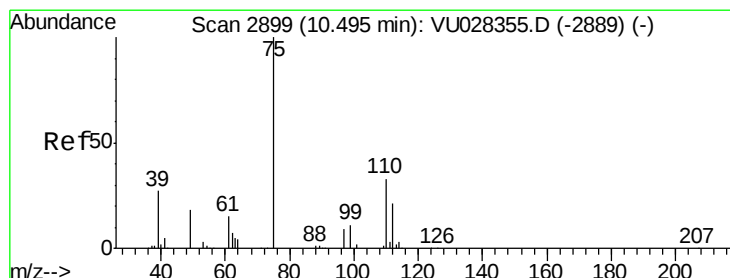
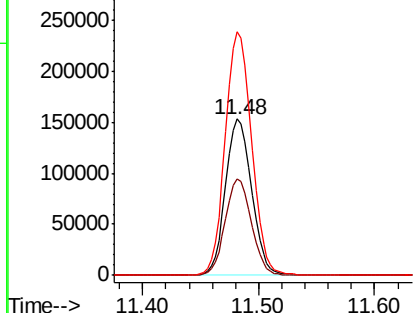
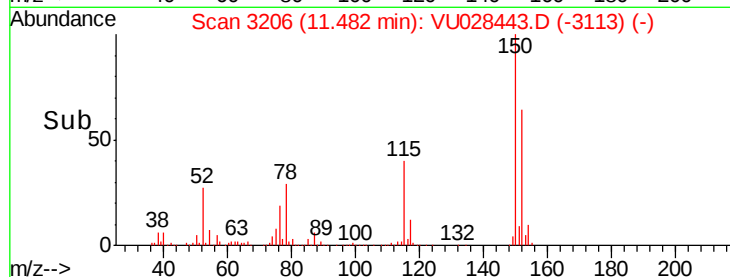
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028443.D
Acq: 03 Dec 2018 15:55

Instrument :
MSVOA_U
ClientSampleId :
TP-MH-F

Tot Ion:152 Resp: 239211
Ion Ratio Lower Upper
152 100
115 61.6 45.0 134.8
150 156.5 0.0 349.2



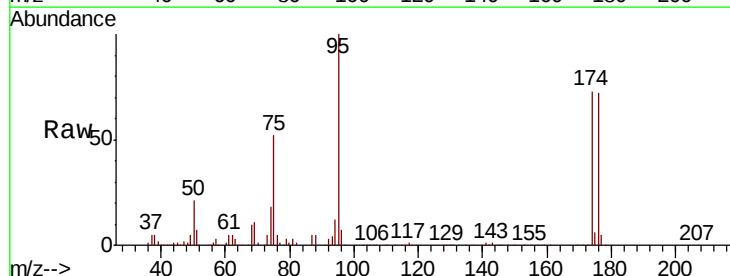
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



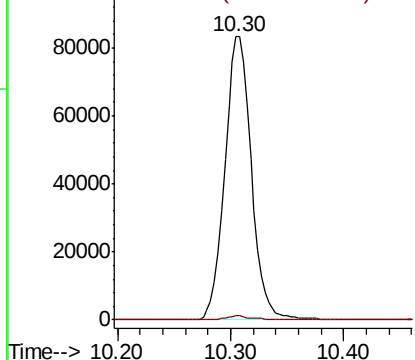
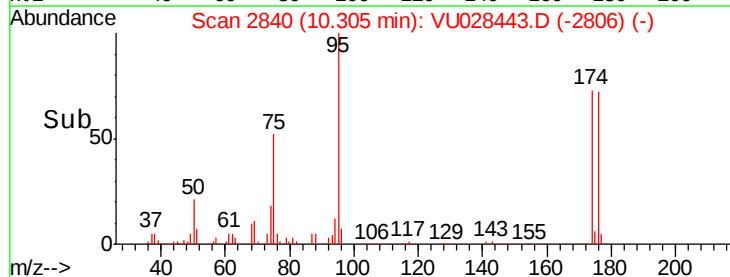
#76

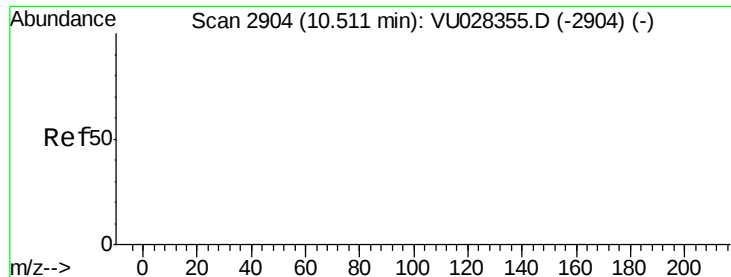
1,2,3-Trichloropropane
Concen: 20.490 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.19 min
Lab File: VU028443.D
Acq: 03 Dec 2018 15:55

Tgt Ion: 75 Resp: 135924
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

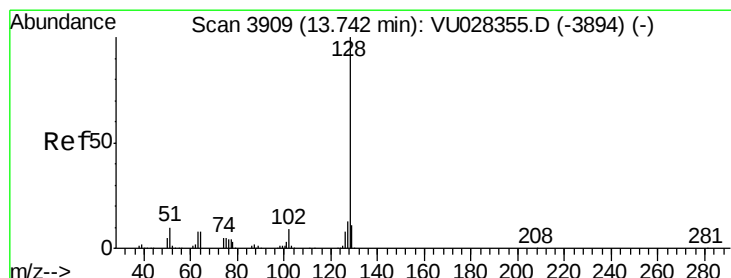
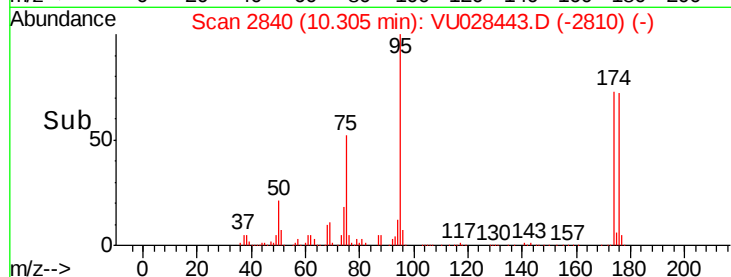
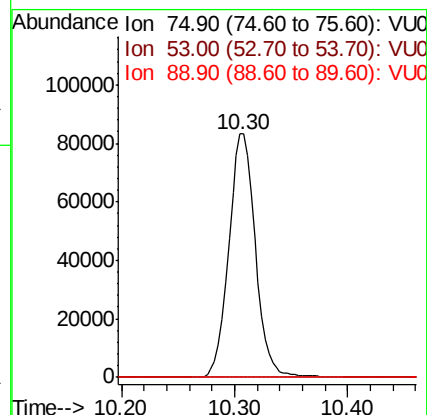
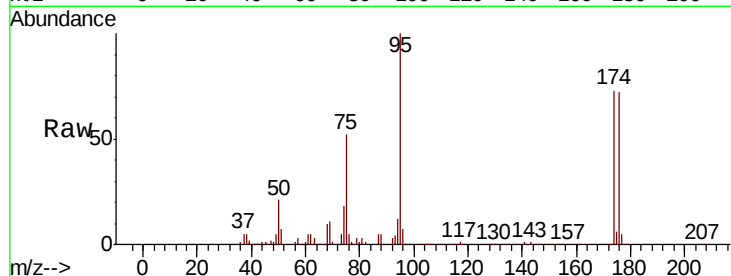




#81
trans-1,4-Dichloro-2-butene
Concen: 54.392 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.20 min
Lab File: VU028443.D
Acq: 03 Dec 2018 15:55

Instrument :
MSVOA_U
ClientSampled :
TP-MH-F

Tot Ion: 75 Resp: 135924
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#95
Naphthalene
Concen: 3.378 ug/l
RT: 13.75 min Scan# 3911
Delta R.T. 0.01 min
Lab File: VU028443.D
Acq: 03 Dec 2018 15:55

Tgt Ion:128 Resp: 11589
Ion Ratio Lower Upper
128 100
127 11.4 10.6 15.8
129 4.2 8.6 12.8#

