

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U101018\
 Data File : VU027575.D
 Acq On : 10 Oct 2018 17:09
 Operator : MD/SY
 Sample : J5326-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-PIT-4

Quant Time: Oct 11 04:05:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	162319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	263571	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	230951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	97228	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	110016	40.59	ug/l	0.00
Spiked Amount			Recovery	=	81.18%	
35) Dibromofluoromethane	4.89	113	84534	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	
50) Toluene-d8	7.57	98	327257	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
62) 4-Bromofluorobenzene	10.31	95	105617	42.04	ug/l	0.00
Spiked Amount			Recovery	=	84.08%	

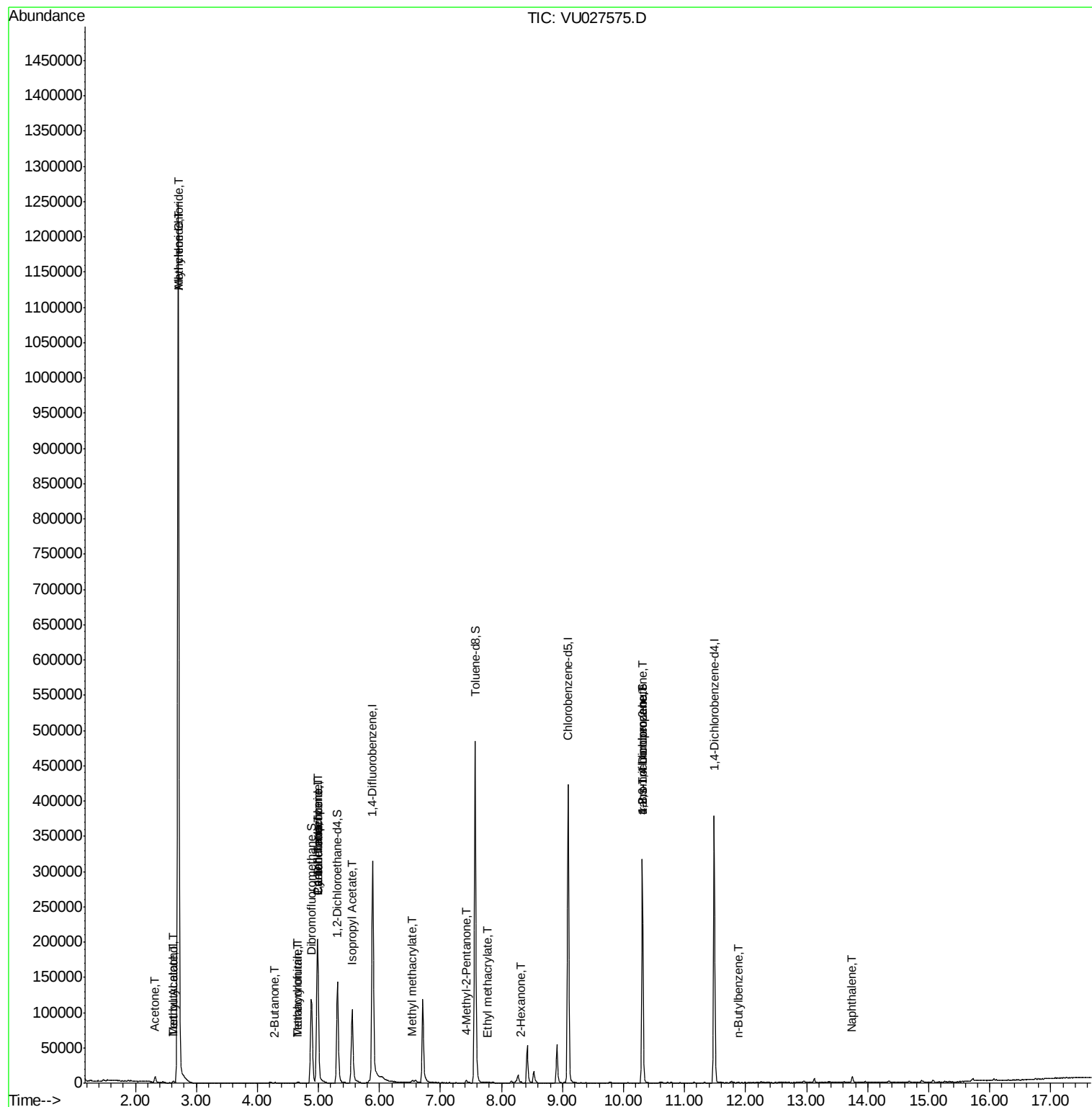
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.63	59	173	0.303	ug/l #	72
14) Allyl chloride	2.70	41	24888	6.113	ug/l #	26
16) Acetone	2.32	43	10094	6.304	ug/l	99
18) Methyl Acetate	2.62	43	3540	0.969	ug/l	99
20) Methylene Chloride	2.70	84	541389	242.729	ug/l	92
25) 2-Butanone	4.29	43	1341	0.614	ug/l	99
29) Tetrahydrofuran	4.66	42	772	0.561	ug/l #	72
31) Cyclohexane	4.98	56	3351	0.536	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	12633	4.414	ug/l #	51
38) Carbon Tetrachloride	4.98	117	15284	5.912	ug/l #	17
41) Methacrylonitrile	4.66	41	419	0.200	ug/l #	32
43) Isopropyl Acetate	5.55	43	127151	22.135	ug/l	99
48) Methyl methacrylate	6.54	41	4507	1.578	ug/l #	24
51) 4-Methyl-2-Pentanone	7.42	43	1414	0.379	ug/l #	38
56) Ethyl methacrylate	7.78	69	1079	2.547	ug/l #	62
59) 2-Hexanone	8.31	43	1400	0.484	ug/l #	26
76) 1,2,3-Trichloropropane	10.31	75	53518	21.234	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	53518	55.572	ug/l #	100
89) n-Butylbenzene	11.89	91	210	1.981	ug/l #	33
95) Naphthalene	13.75	128	8258	2.746	ug/l	97

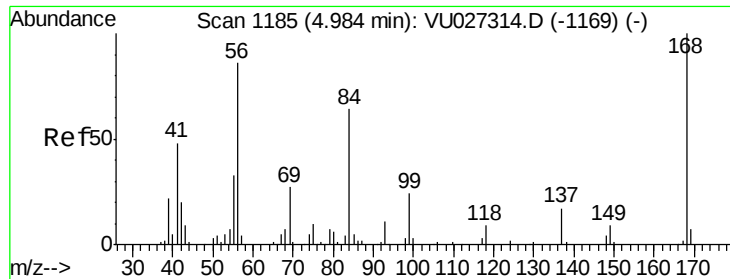
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027575.D

Acq: 10 Oct 2018 17:09

Instrument :

MSVOA_U

ClientSampleId :

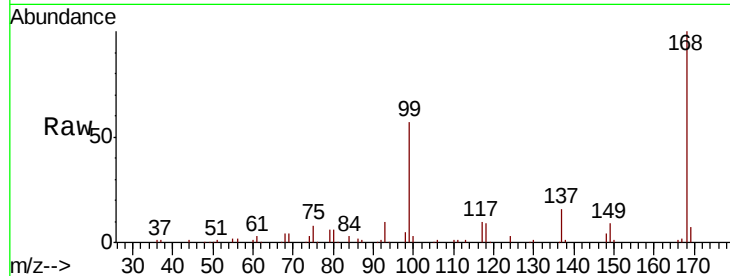
FL-PIT-4

Tgt Ion:168 Resp: 162319

Ion Ratio Lower Upper

168 100

99 56.8 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027575.D (-1092) (-)

4.99

80000

60000

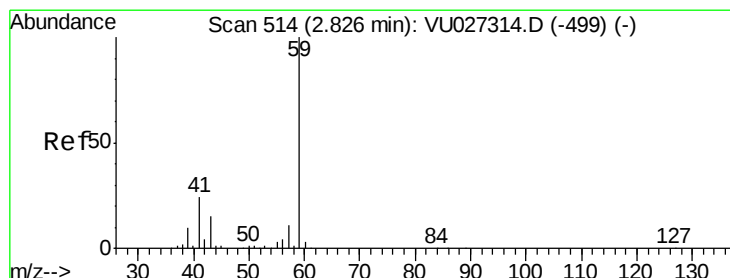
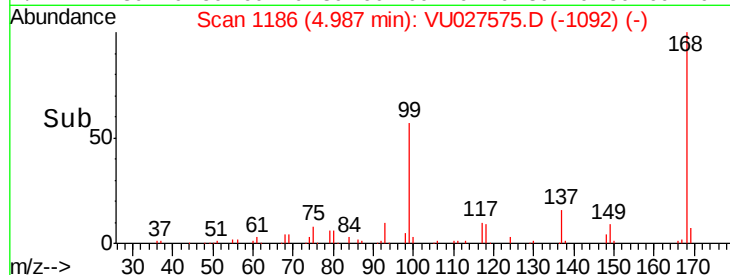
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#11

Tert butyl alcohol

Concen: 0.303 ug/l

RT: 2.63 min Scan# 452

Delta R.T. -0.20 min

Lab File: VU027575.D

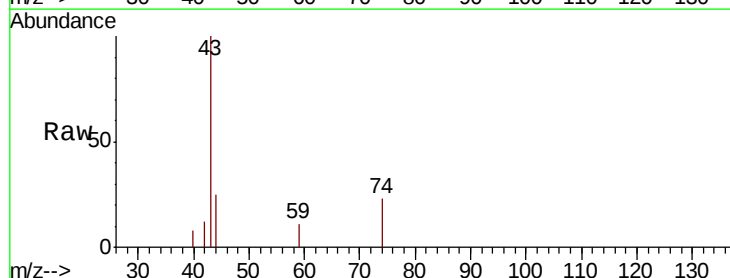
Acq: 10 Oct 2018 17:09

Tgt Ion: 59 Resp: 173

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU027314.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU027575.D (-421) (-)

2.63

200

150

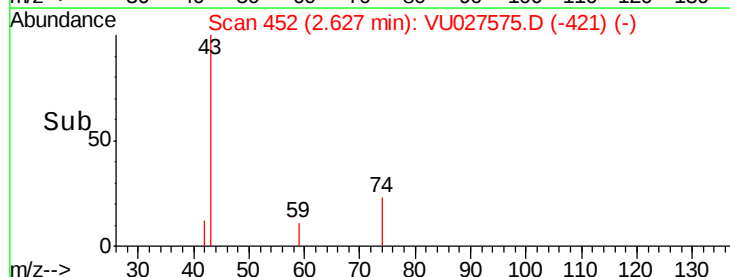
100

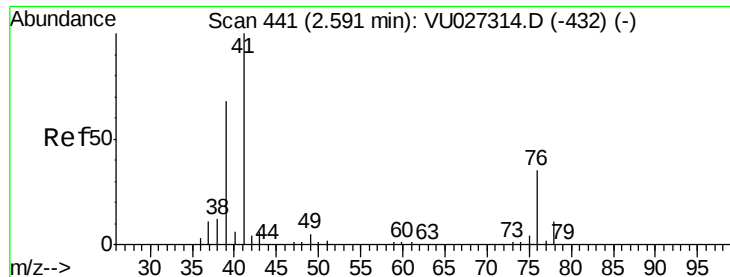
50

0

2.60 2.62 2.64

Time-->





#14

Allyl chloride

Concen: 6.113 ug/l

RT: 2.70 min Scan# 476

Delta R.T. 0.11 min

Lab File: VU027575.D

Acq: 10 Oct 2018 17:09

Instrument :

MSVOA_U

ClientSampleId :

FL-PIT-4

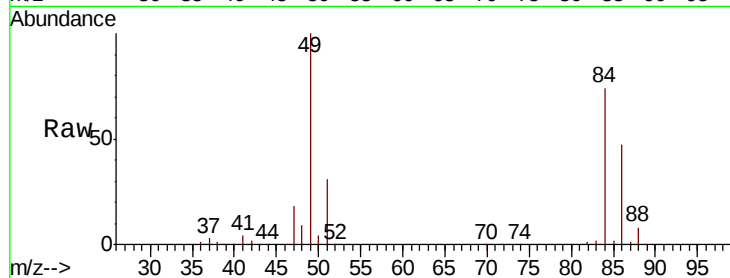
Tgt Ion: 41 Resp: 24888

Ion Ratio Lower Upper

41 100

39 0.3 51.8 77.8#

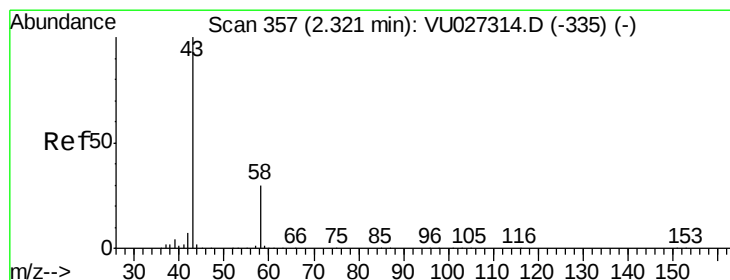
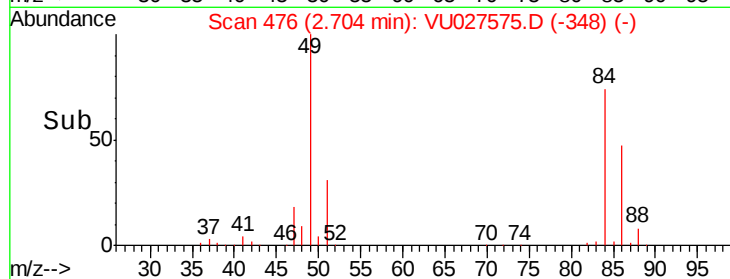
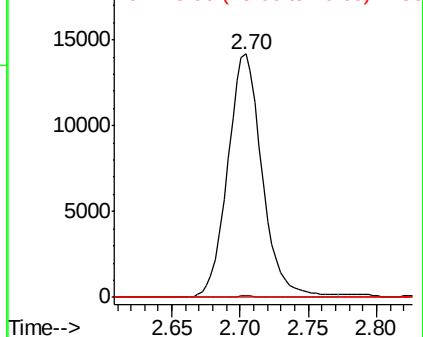
76 0.0 25.9 38.9#



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0



#16

Acetone

Concen: 6.304 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027575.D

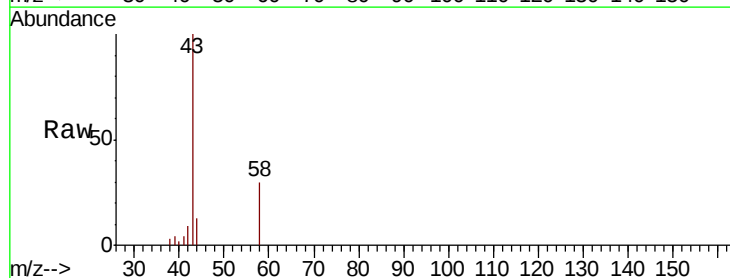
Acq: 10 Oct 2018 17:09

Tgt Ion: 43 Resp: 10094

Ion Ratio Lower Upper

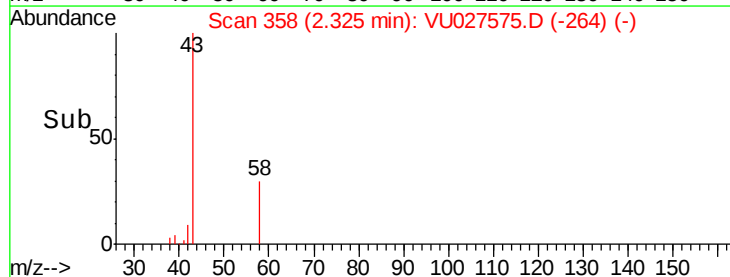
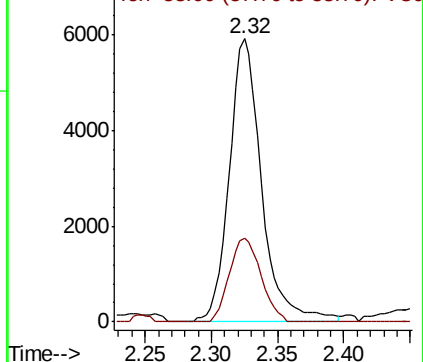
43 100

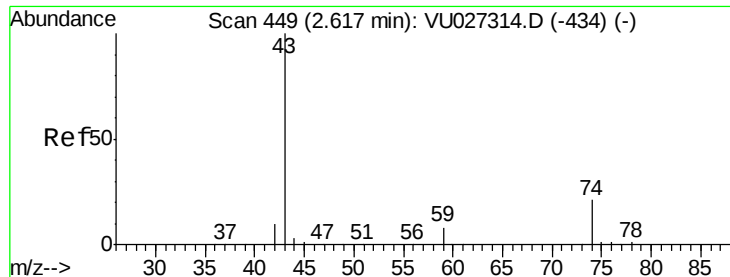
58 29.6 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

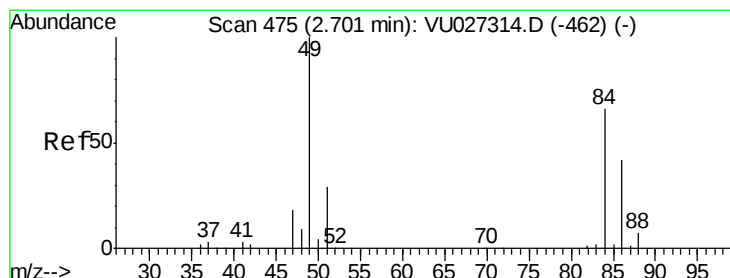
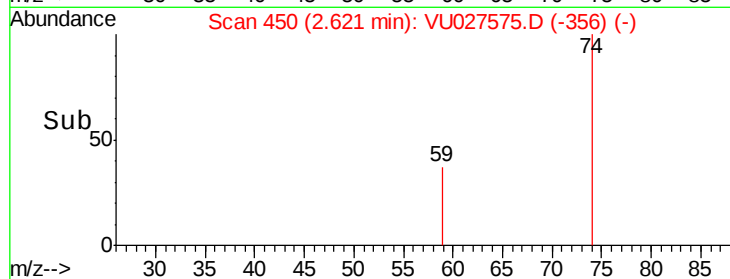
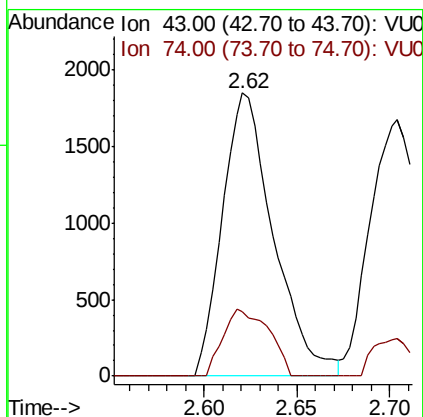
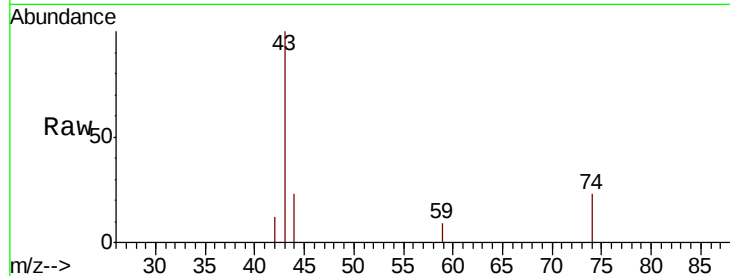




#18
Methyl Acetate
Concen: 0.969 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.00 min
Lab File: VU027575.D
Acq: 10 Oct 2018 17:09

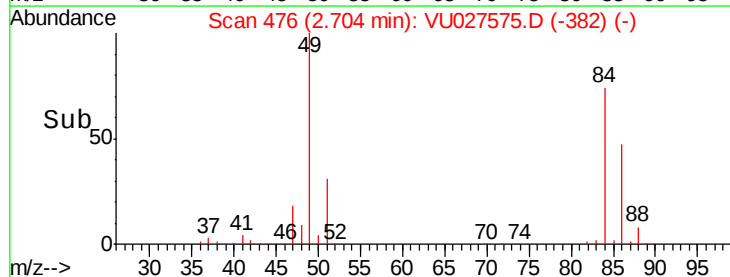
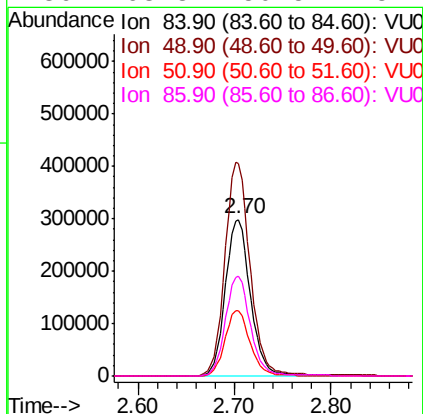
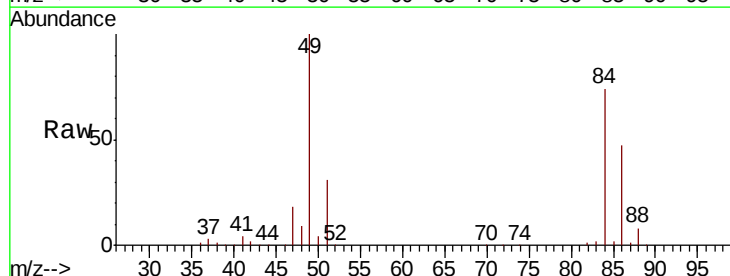
Instrument :
MSVOA_U
ClientSampleId :
FL-PIT-4

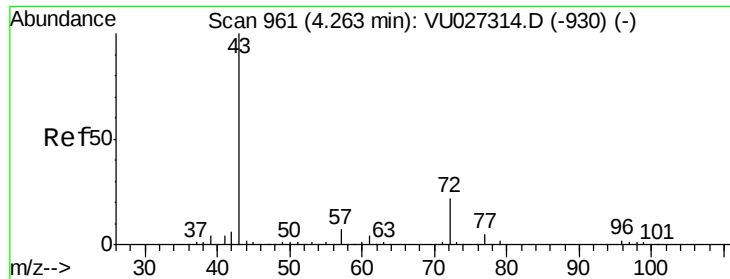
Tgt Ion: 43 Resp: 3540
Ion Ratio Lower Upper
43 100
74 21.0 16.5 24.7



#20
Methylene Chloride
Concen: 242.729 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027575.D
Acq: 10 Oct 2018 17:09

Tgt Ion: 84 Resp: 541389
Ion Ratio Lower Upper
84 100
49 135.7 120.5 180.7
51 42.0 35.1 52.7
86 63.8 50.5 75.7





#25

2-Butanone

Concen: 0.614 ug/l

RT: 4.29 min Scan# 969

Delta R.T. 0.03 min

Lab File: VU027575.D

Acq: 10 Oct 2018 17:09

Instrument :

MSVOA_U

ClientSampleId :

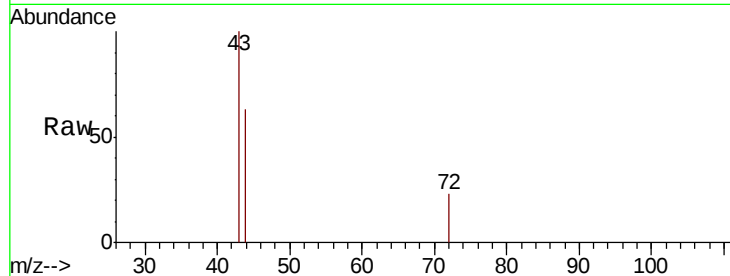
FL-PIT-4

Tgt Ion: 43 Resp: 1341

Ion Ratio Lower Upper

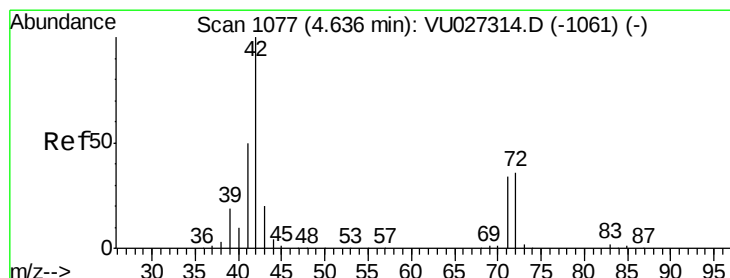
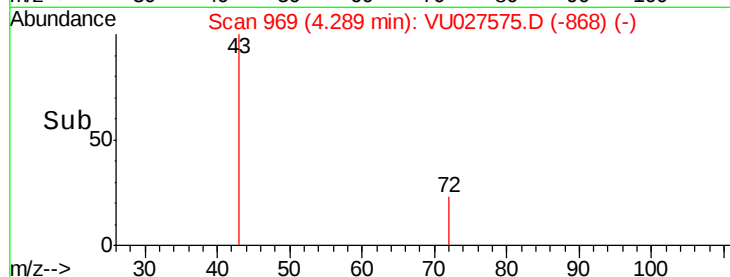
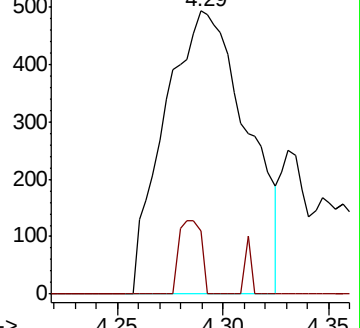
43 100

72 22.5 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#29

Tetrahydrofuran

Concen: 0.561 ug/l

RT: 4.66 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VU027575.D

Acq: 10 Oct 2018 17:09

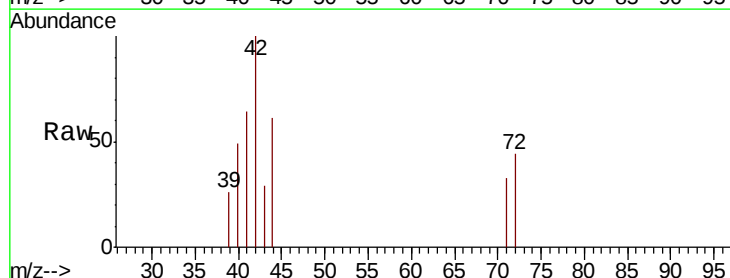
Tgt Ion: 42 Resp: 772

Ion Ratio Lower Upper

42 100

72 21.4 30.1 45.1#

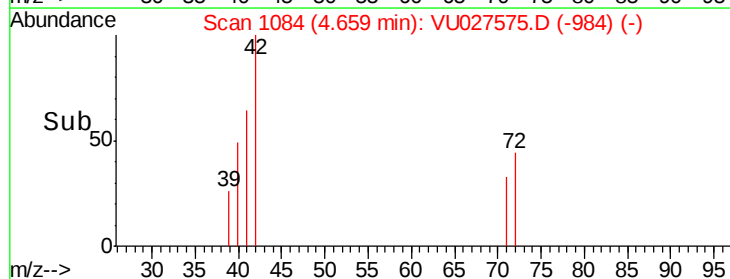
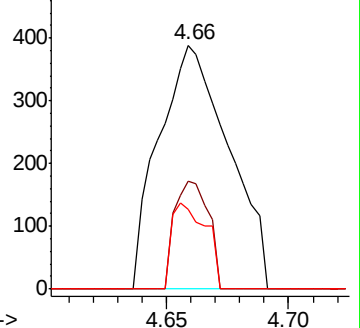
71 17.2 27.7 41.5#

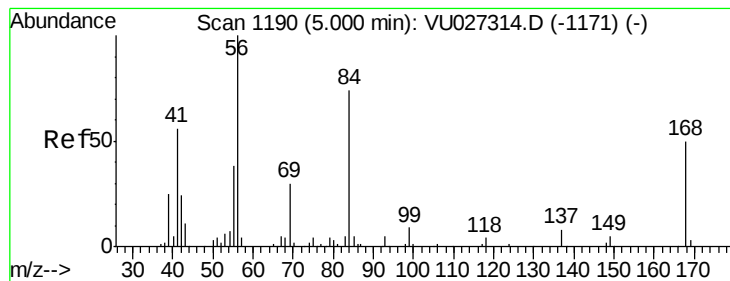


Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0





#31

Cyclohexane

Concen: 0.536 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.02 min

Lab File: VU027575.D

Acq: 10 Oct 2018 17:09

Instrument :

MSVOA_U

ClientSampleId :

FL-PIT-4

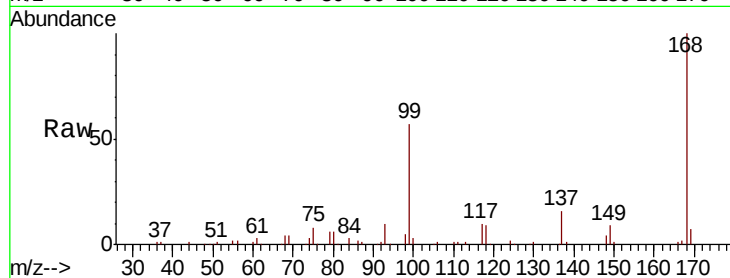
Tgt Ion: 56 Resp: 3351

Ion Ratio Lower Upper

56 100

69 180.9 24.1 36.1#

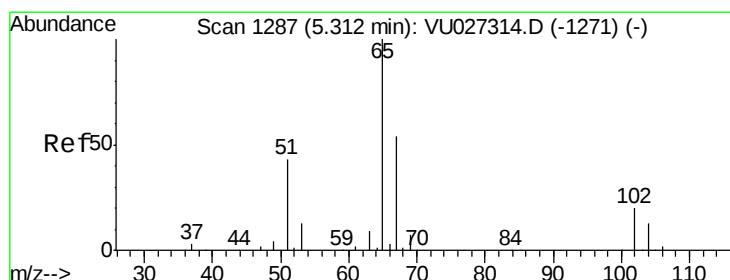
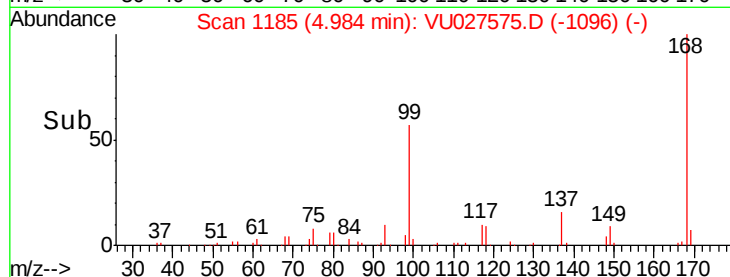
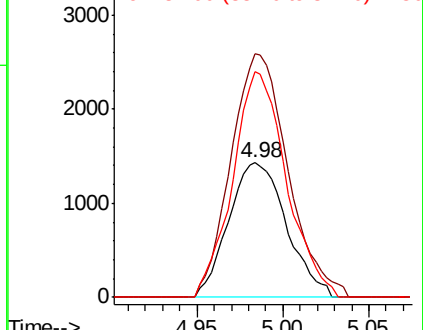
84 167.4 59.1 88.7#



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: 40.590 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027575.D

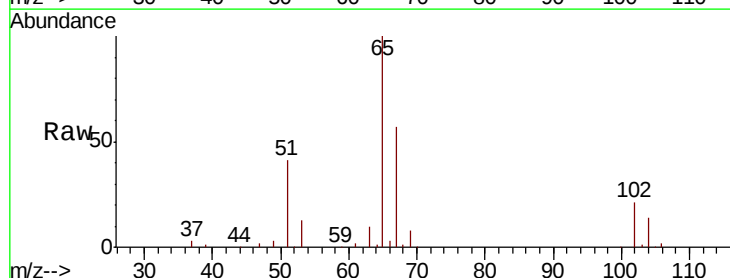
Acq: 10 Oct 2018 17:09

Tgt Ion: 65 Resp: 110016

Ion Ratio Lower Upper

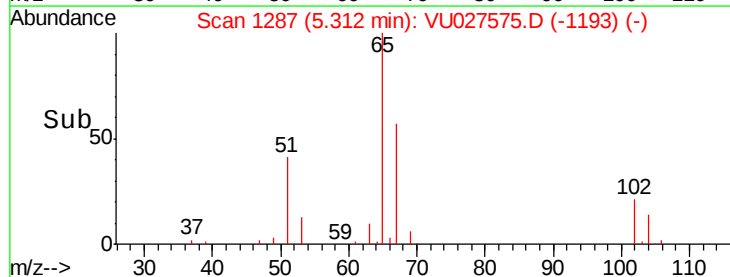
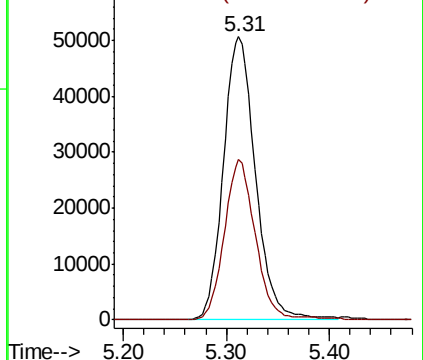
65 100

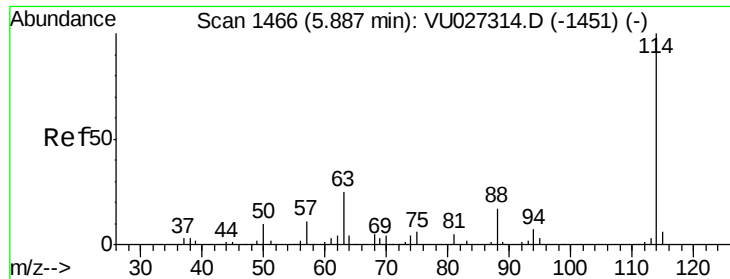
67 53.9 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

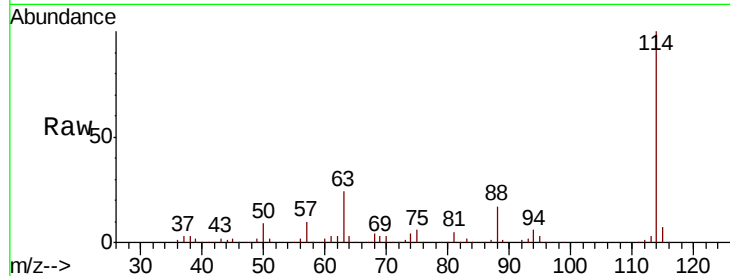




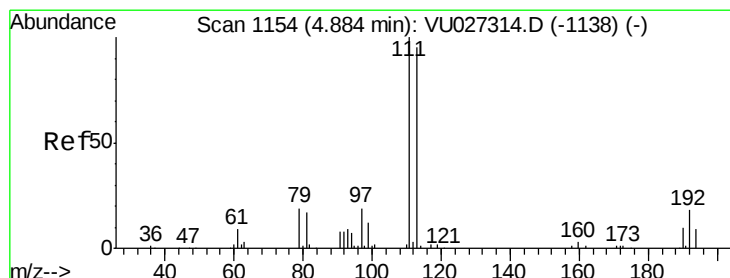
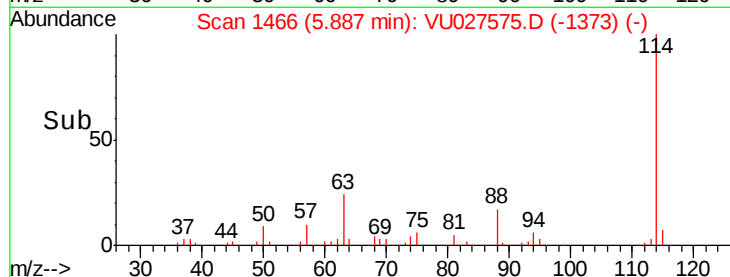
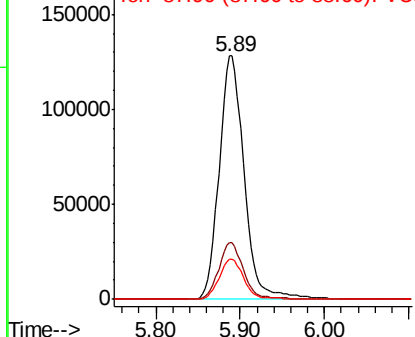
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU027575.D
 Acq: 10 Oct 2018 17:09

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-PIT-4

Tgt Ion:114 Resp: 263571
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 50.2
 88 16.6 0.0 33.8

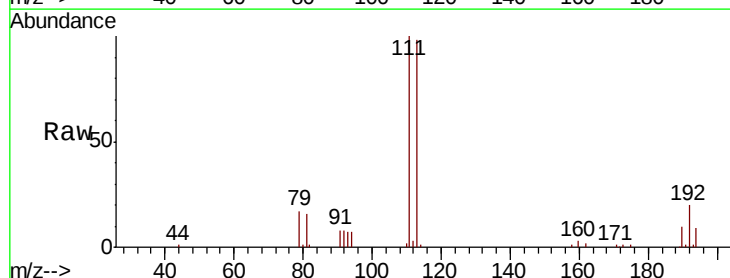


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

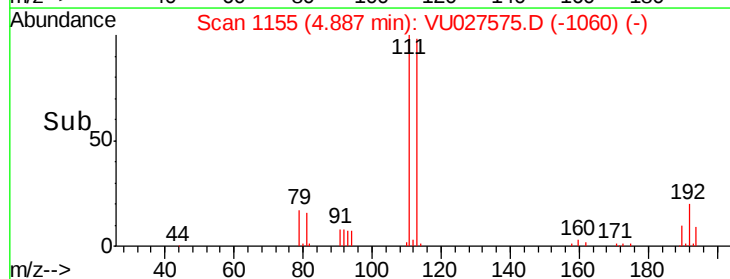
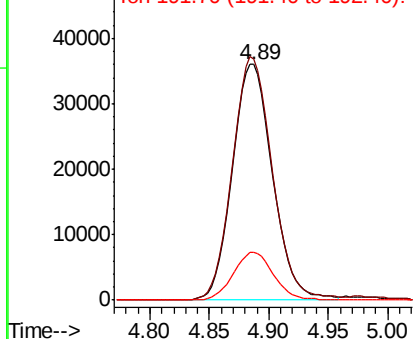


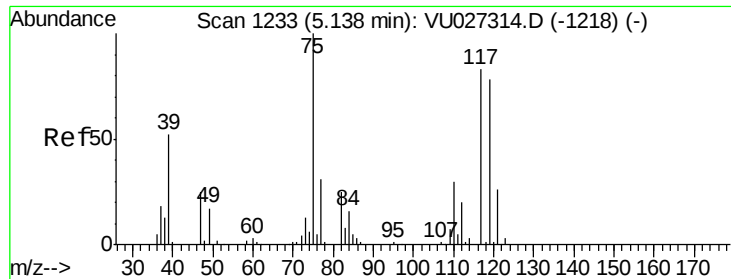
#35
 Dibromofluoromethane
 Concen: 46.799 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027575.D
 Acq: 10 Oct 2018 17:09

Tgt Ion:113 Resp: 84534
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.1 124.7
 192 20.1 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

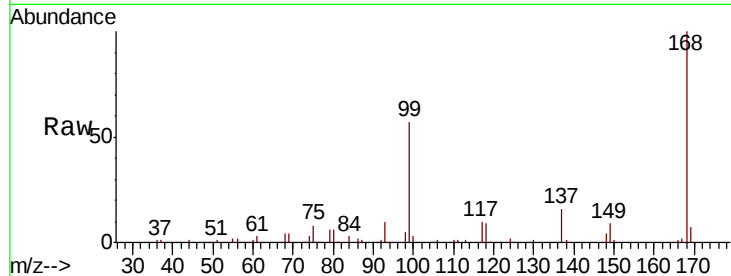




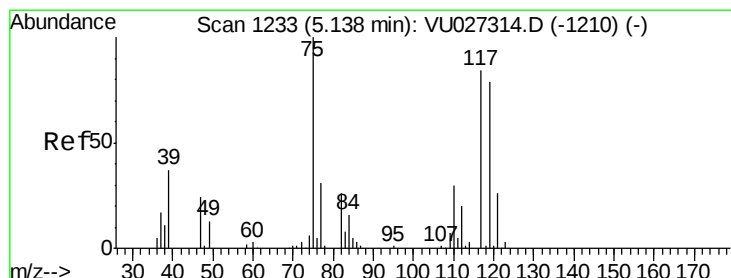
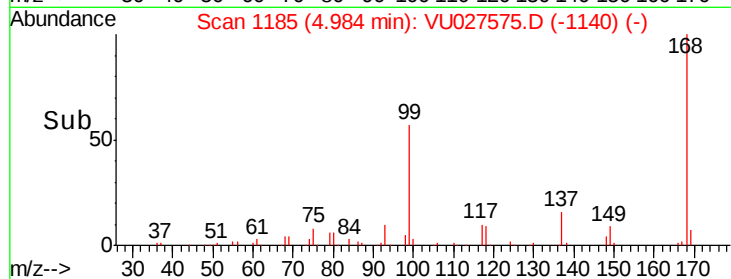
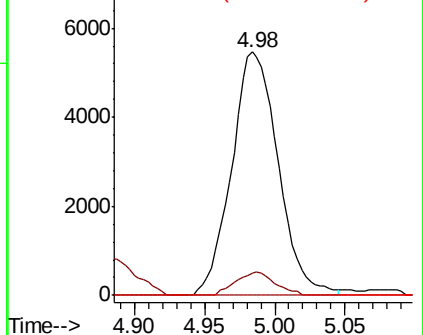
#36
 1,1-Dichloropropene
 Concen: 4.414 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027575.D
 Acq: 10 Oct 2018 17:09

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-PIT-4

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	15.5	46.5#
77	0.0	25.4	38.0#

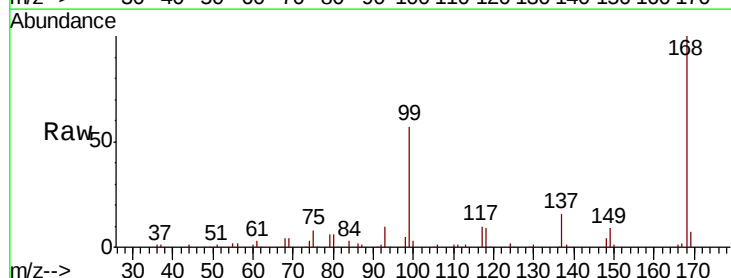


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

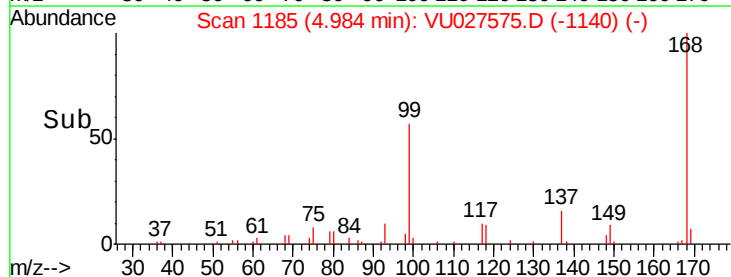
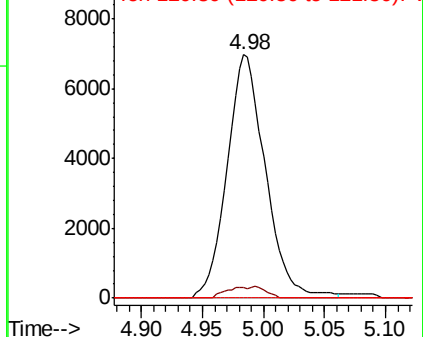


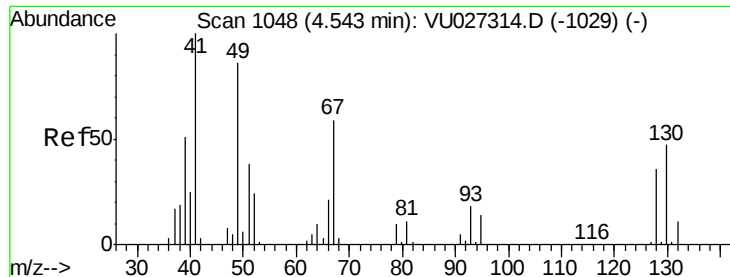
#38
 Carbon Tetrachloride
 Concen: 5.912 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027575.D
 Acq: 10 Oct 2018 17:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	74.5	111.7#
121	0.0	24.6	37.0#



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

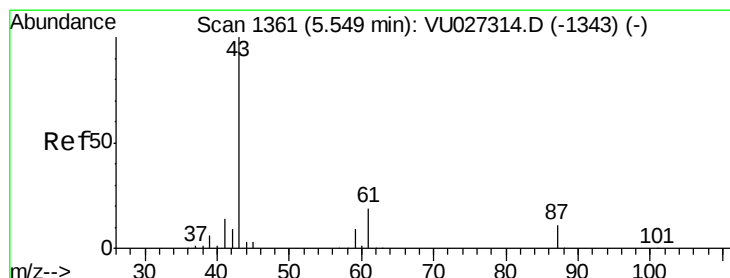
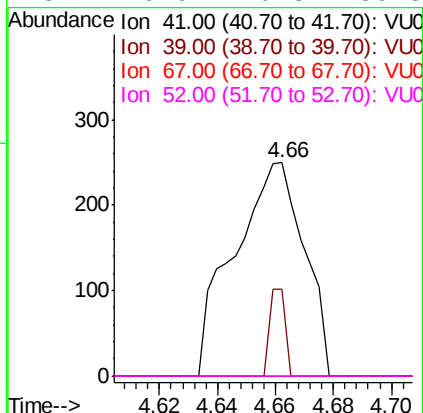
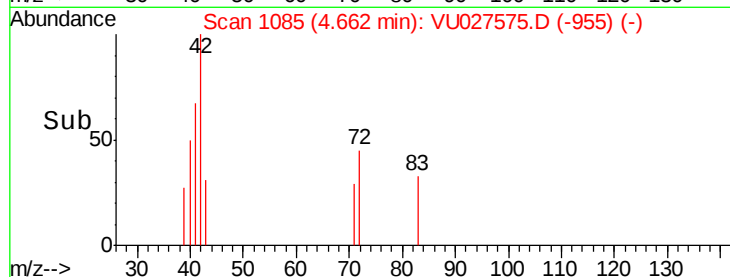
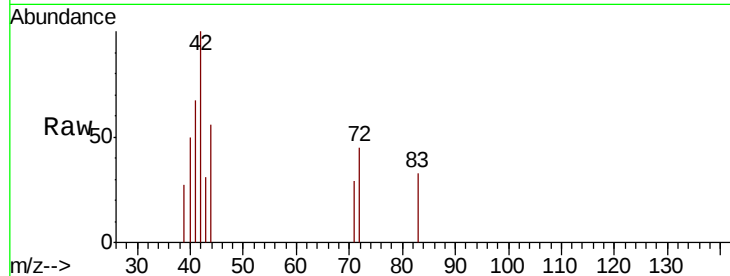




#41
Methacrylonitrile
Concen: 0.200 ug/l
RT: 4.66 min Scan# 1085
Delta R.T. 0.12 min
Lab File: VU027575.D
Acq: 10 Oct 2018 17:09

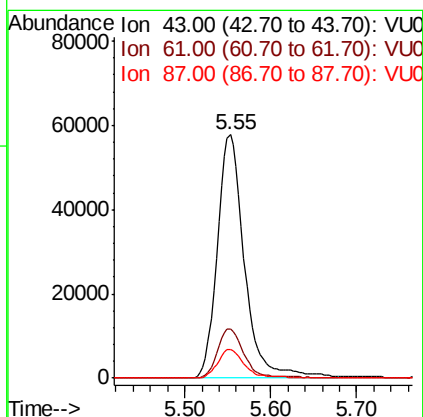
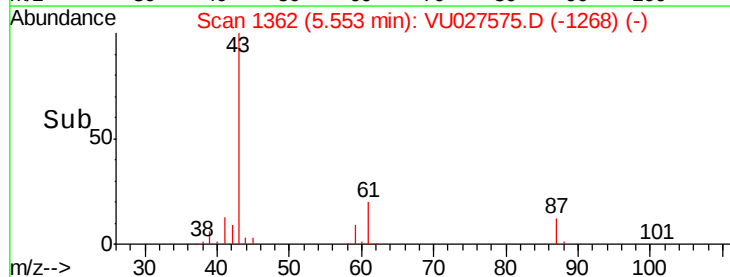
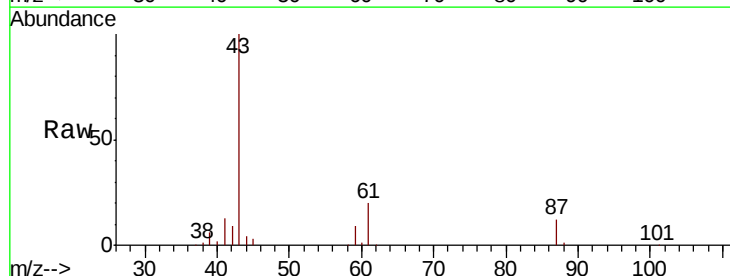
Instrument :
MSVOA_U
ClientSampleId :
FL-PIT-4

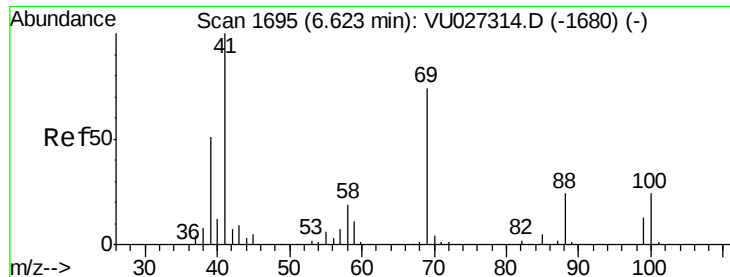
Tgt Ion: 41 Resp: 419
Ion Ratio Lower Upper
41 100
39 9.3 41.1 61.7#
67 0.0 50.4 75.6#
52 0.0 20.3 30.5#



#43
Isopropyl Acetate
Concen: 22.135 ug/l
RT: 5.55 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VU027575.D
Acq: 10 Oct 2018 17:09

Tgt Ion: 43 Resp: 127151
Ion Ratio Lower Upper
43 100
61 19.8 15.3 22.9
87 11.3 8.6 13.0

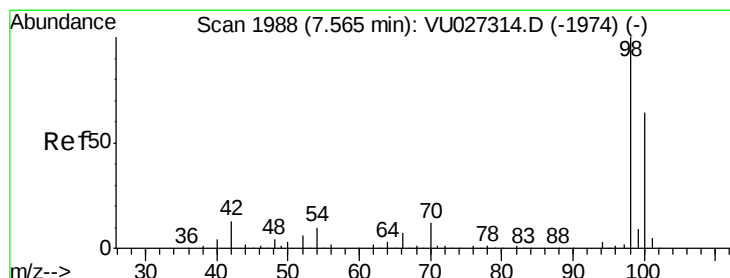
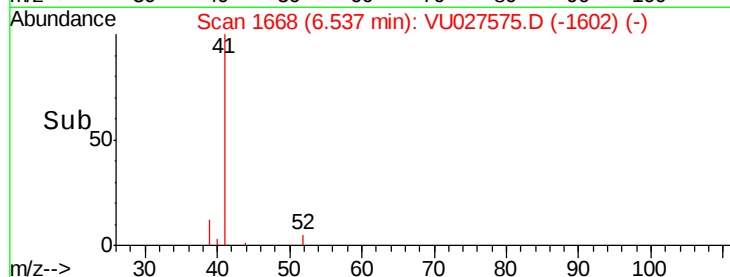
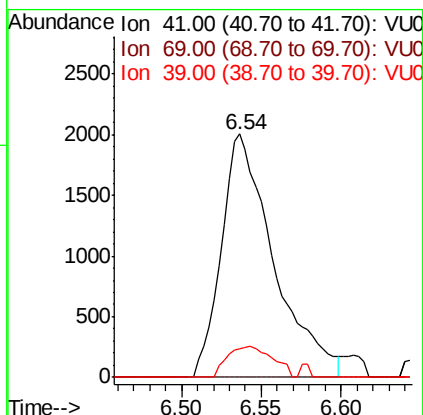
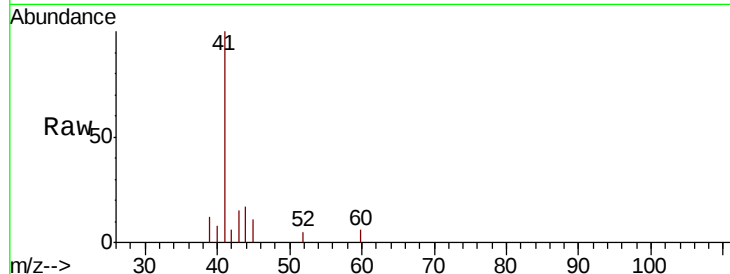




#48
Methyl methacrylate
Concen: 1.578 ug/l
RT: 6.54 min Scan# 1668
Delta R.T. -0.09 min
Lab File: VU027575.D
Acq: 10 Oct 2018 17:09

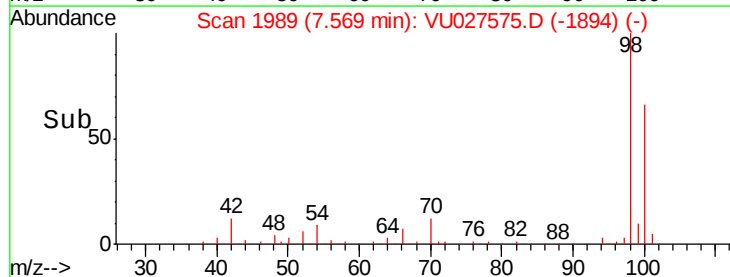
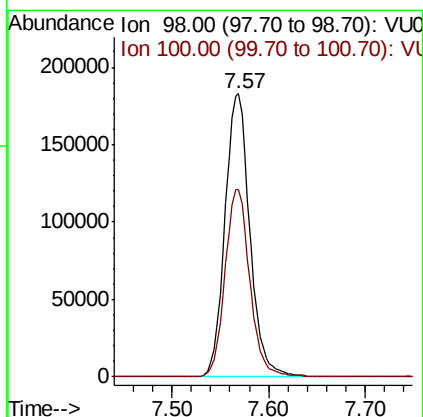
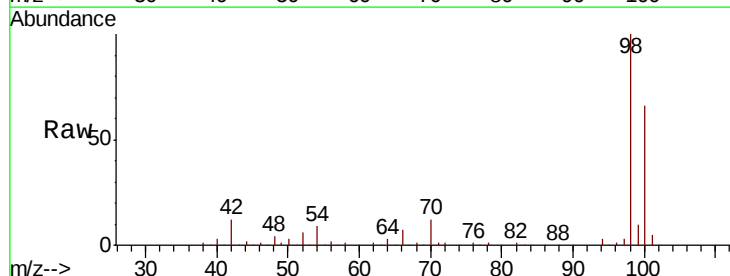
Instrument :
MSVOA_U
ClientSampled :
FL-PIT-4

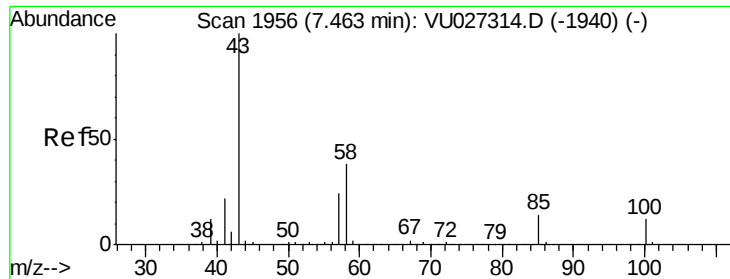
Tgt Ion: 41 Resp: 4507
Ion Ratio Lower Upper
41 100
69 0.0 61.0 91.4#
39 10.8 39.9 59.9#



#50
Toluene-d8
Concen: 48.407 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027575.D
Acq: 10 Oct 2018 17:09

Tgt Ion: 98 Resp: 327257
Ion Ratio Lower Upper
98 100
100 65.9 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 0.379 ug/l

RT: 7.42 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU027575.D

Acq: 10 Oct 2018 17:09

Instrument :

MSVOA_U

ClientSampled :

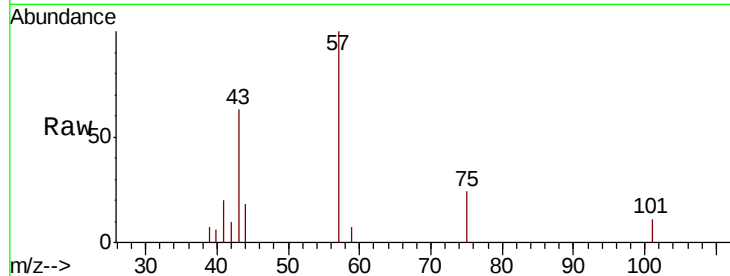
FL-PIT-4

Tgt Ion: 43 Resp: 1414

Ion Ratio Lower Upper

43 100

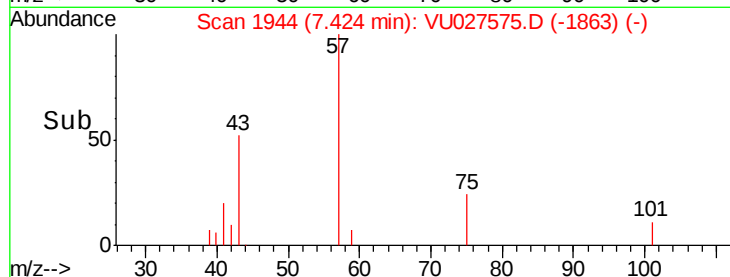
58 0.0 29.8 44.8#



Abundance Ion 43.00 (42.70 to 43.70): VU027314.D (-1940) (-)

Ion 58.00 (57.70 to 58.70): VU027314.D (-1940) (-)

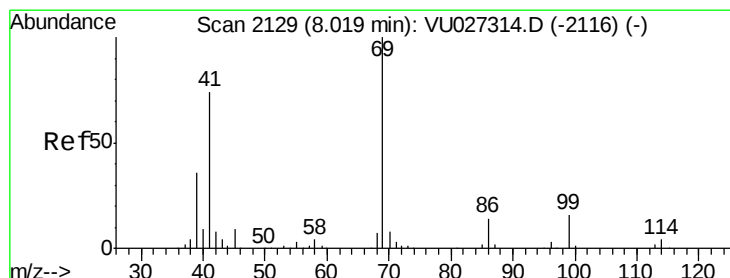
Time-->



Abundance Ion 43.00 (42.70 to 43.70): VU027575.D (-1863) (-)

Ion 58.00 (57.70 to 58.70): VU027575.D (-1863) (-)

Time-->



#56

Ethyl methacrylate

Concen: 2.547 ug/l

RT: 7.78 min Scan# 2056

Delta R.T. -0.23 min

Lab File: VU027575.D

Acq: 10 Oct 2018 17:09

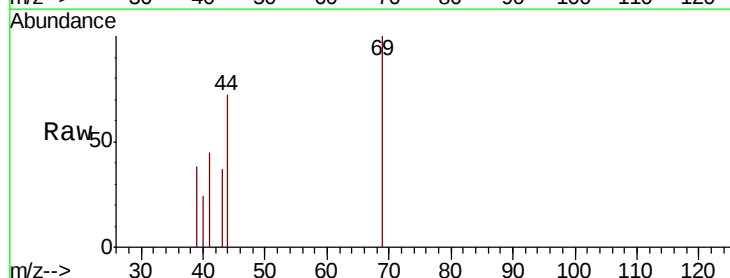
Tgt Ion: 69 Resp: 1079

Ion Ratio Lower Upper

69 100

41 29.6 60.0 90.0#

39 33.5 29.5 44.3

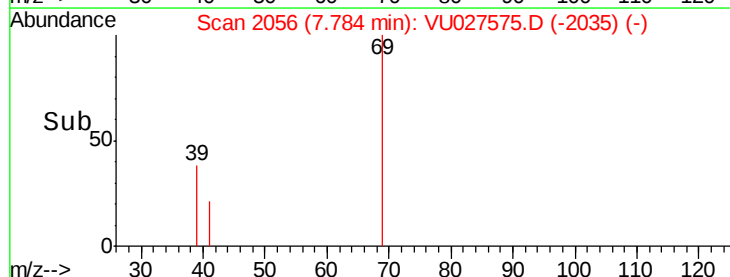


Abundance Ion 69.00 (68.70 to 69.70): VU027314.D (-2116) (-)

Ion 41.00 (40.70 to 41.70): VU027314.D (-2116) (-)

Ion 39.00 (38.70 to 39.70): VU027314.D (-2116) (-)

Time-->

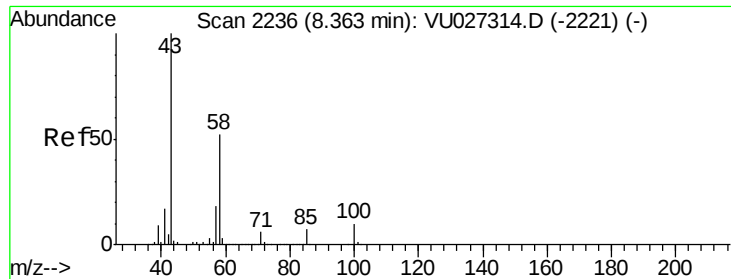


Abundance Ion 69.00 (68.70 to 69.70): VU027575.D (-2035) (-)

Ion 41.00 (40.70 to 41.70): VU027575.D (-2035) (-)

Ion 39.00 (38.70 to 39.70): VU027575.D (-2035) (-)

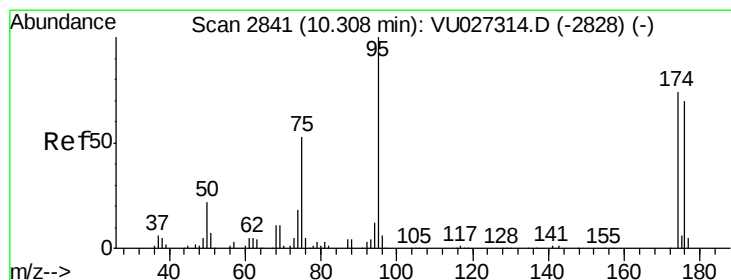
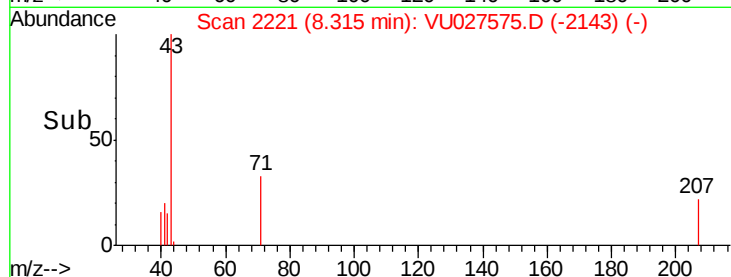
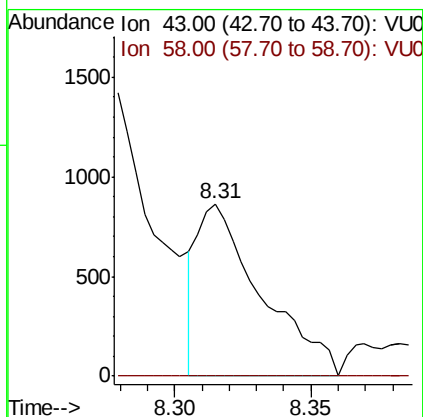
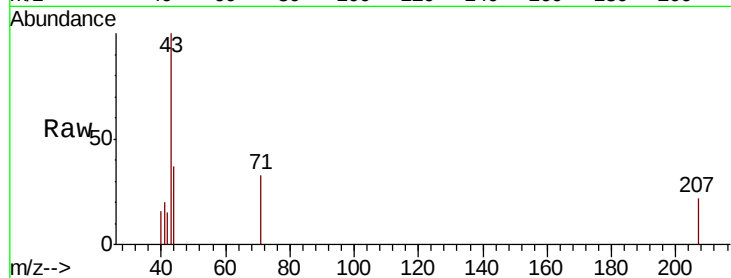
Time-->



#59
2-Hexanone
Concen: 0.484 ug/l
RT: 8.31 min Scan# 2221
Delta R.T. -0.05 min
Lab File: VU027575.D
Acq: 10 Oct 2018 17:09

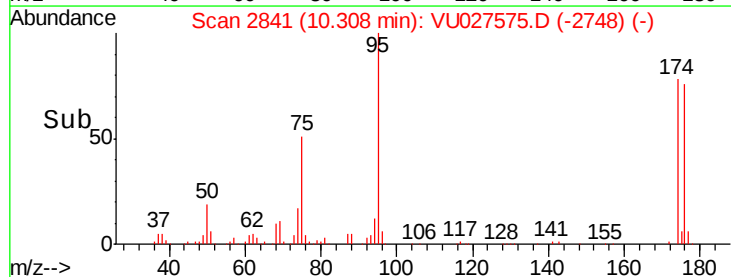
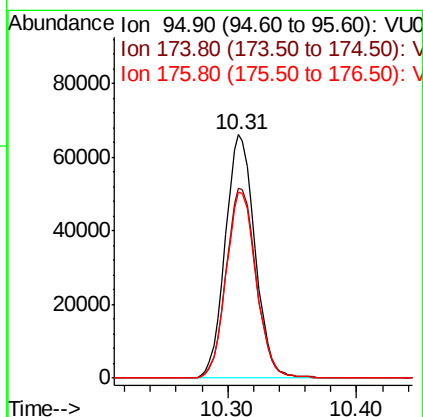
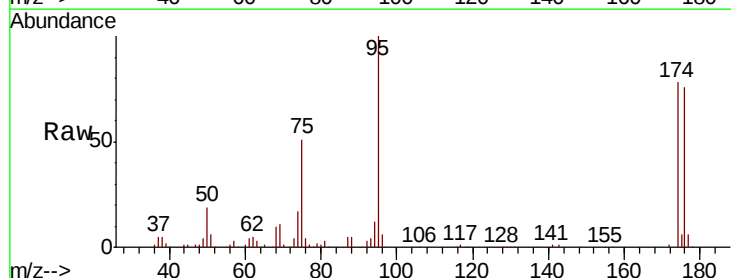
Instrument :
MSVOA_U
ClientSampleId :
FL-PIT-4

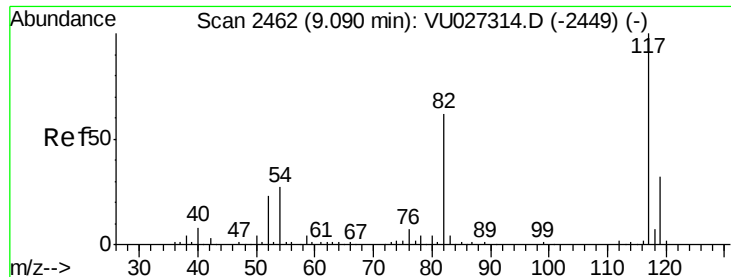
Tgt Ion: 43 Resp: 1400
Ion Ratio Lower Upper
43 100
58 0.0 26.1 78.3#



#62
4-Bromofluorobenzene
Concen: 42.037 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027575.D
Acq: 10 Oct 2018 17:09

Tgt Ion: 95 Resp: 105617
Ion Ratio Lower Upper
95 100
174 78.9 0.0 147.8
176 77.5 0.0 140.8

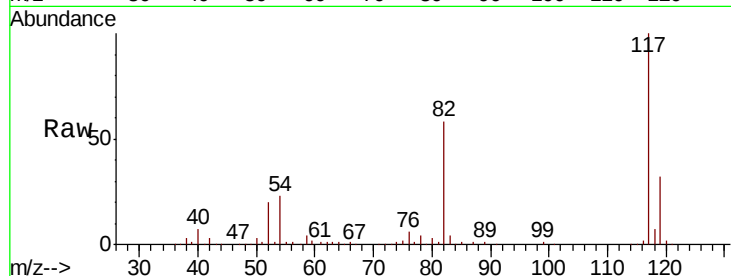




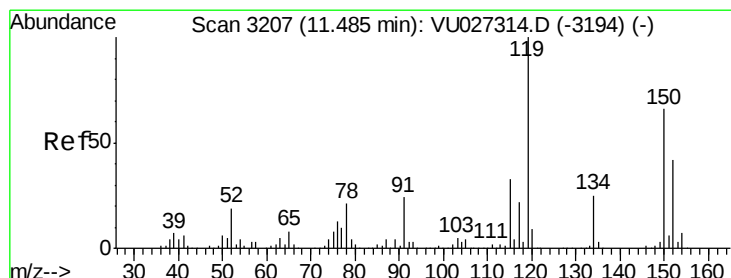
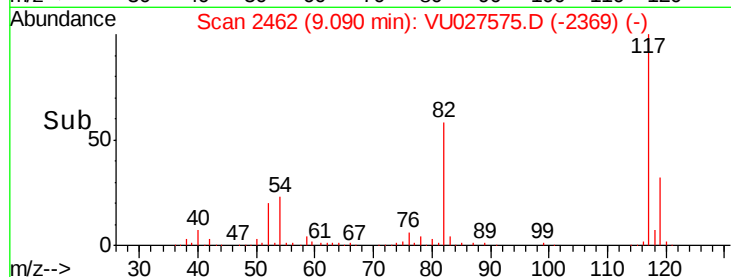
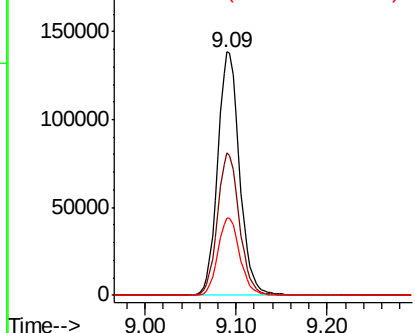
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027575.D
Acq: 10 Oct 2018 17:09

Instrument :
MSVOA_U
ClientSampleId :
FL-PIT-4

Tgt Ion:117 Resp: 230951
Ion Ratio Lower Upper
117 100
82 58.4 49.2 73.8
119 31.7 25.7 38.5

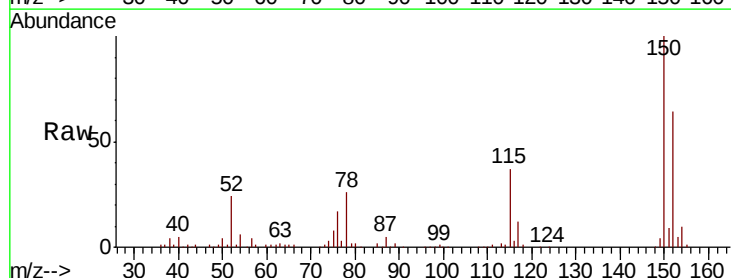


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

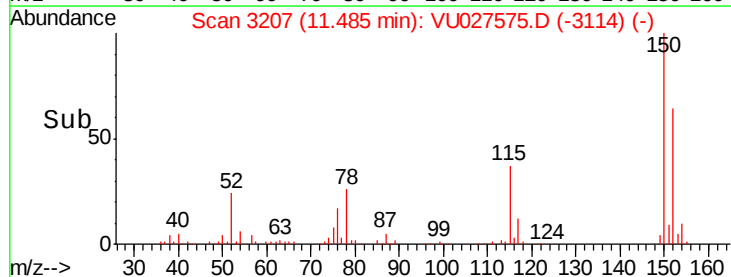
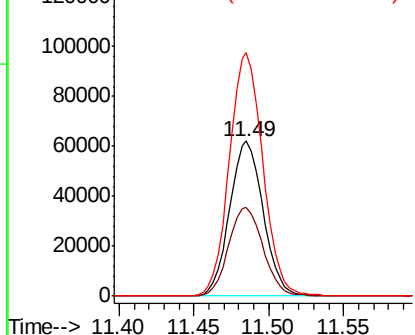


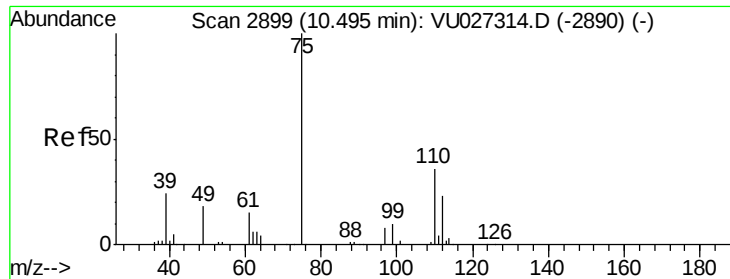
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027575.D
Acq: 10 Oct 2018 17:09

Tgt Ion:152 Resp: 97228
Ion Ratio Lower Upper
152 100
115 58.9 43.4 130.2
150 156.7 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

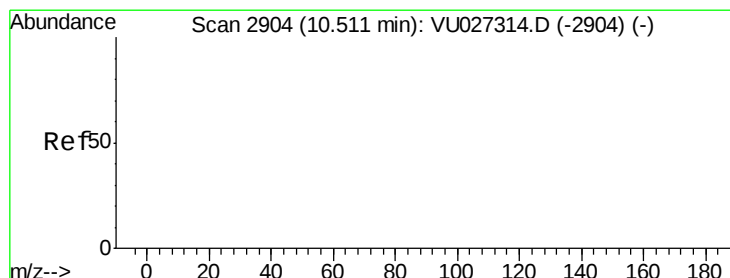
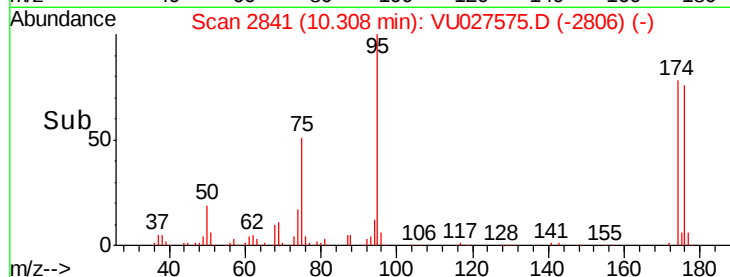
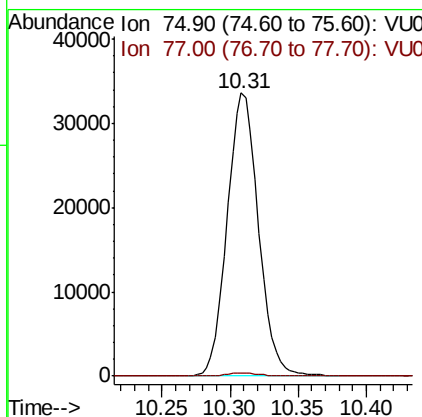
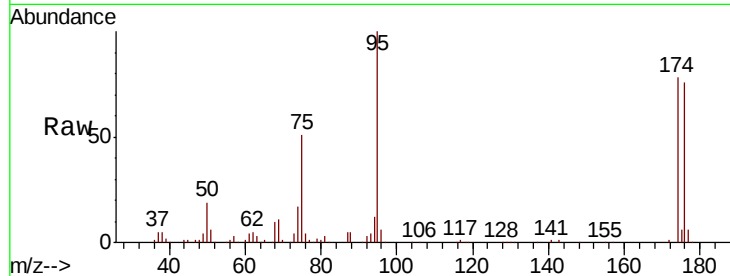




#76
 1,2,3-Trichloropropane
 Concen: 21.234 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027575.D
 Acq: 10 Oct 2018 17:09

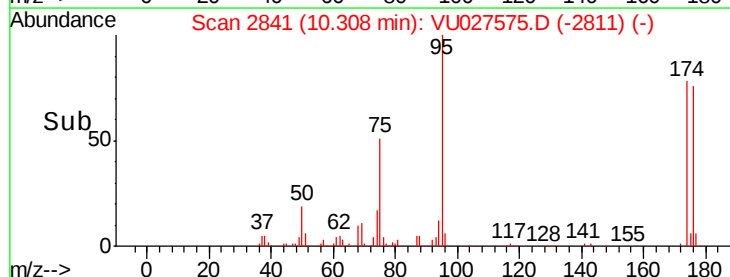
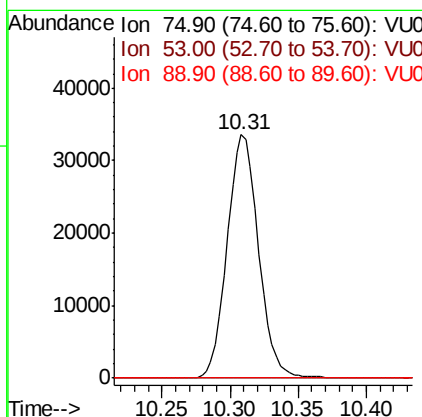
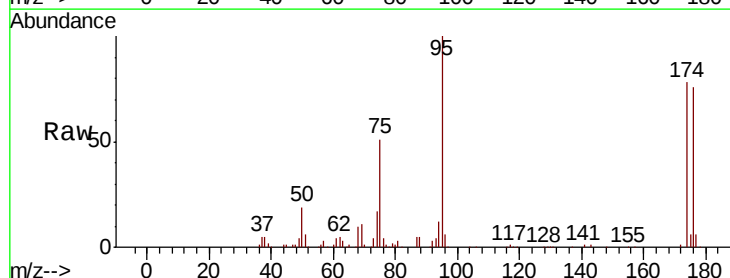
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-PIT-4

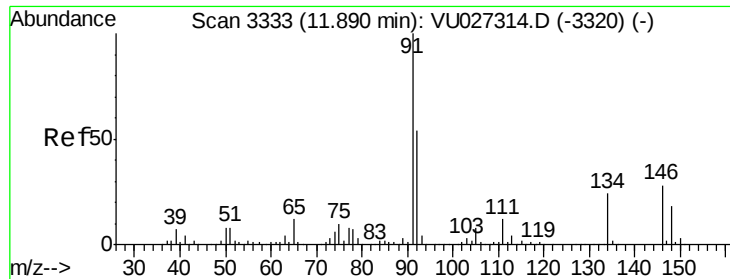
Tgt Ion: 75 Resp: 53518
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.3 60.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.572 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU027575.D
 Acq: 10 Oct 2018 17:09

Tgt Ion: 75 Resp: 53518
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#89

n-Butylbenzene

Concen: 1.981 ug/l

RT: 11.89 min Scan# 3334

Delta R.T. 0.00 min

Lab File: VU027575.D

Acq: 10 Oct 2018 17:09

Instrument :

MSVOA_U

ClientSampleId :

FL-PIT-4

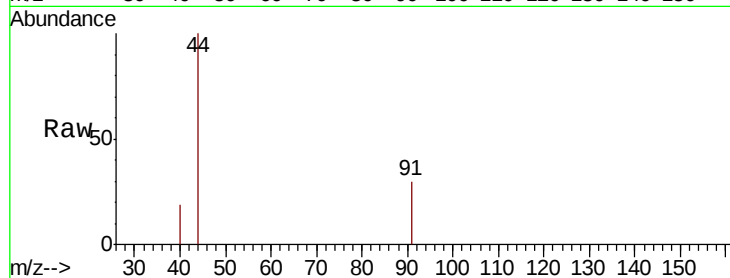
Tgt Ion: 91 Resp: 210

Ion Ratio Lower Upper

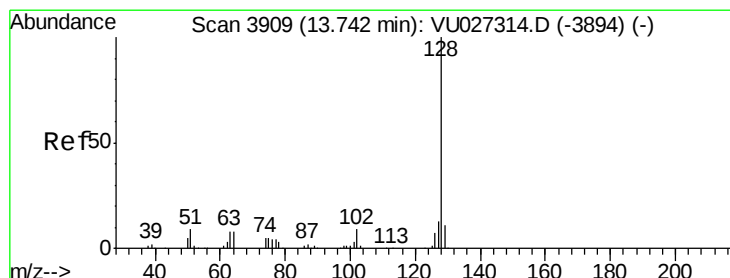
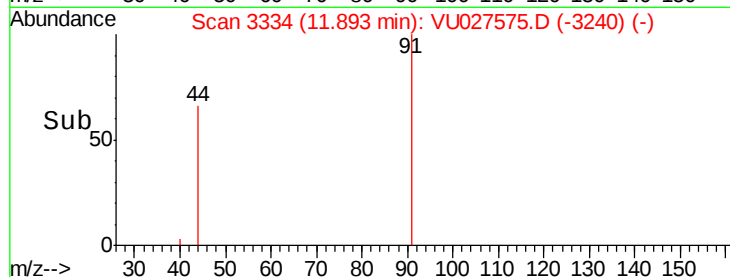
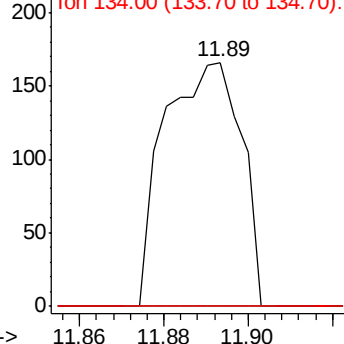
91 100

92 0.0 27.0 81.0#

134 0.0 11.7 35.1#



Abundance Ion 91.00 (90.70 to 91.70): VU027314.D (-3320) (-)



#95

Naphthalene

Concen: 2.746 ug/l

RT: 13.75 min Scan# 3911

Delta R.T. 0.01 min

Lab File: VU027575.D

Acq: 10 Oct 2018 17:09

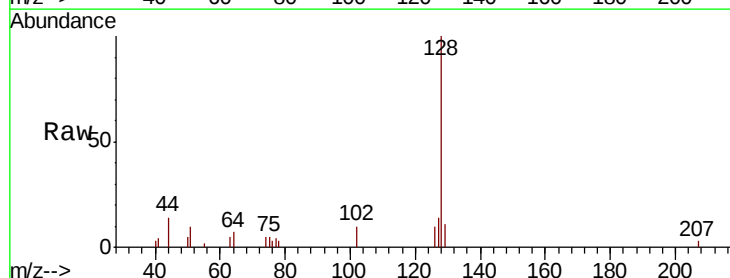
Tgt Ion: 128 Resp: 8258

Ion Ratio Lower Upper

128 100

127 12.2 10.5 15.7

129 9.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): VU027314.D (-3894) (-)

