

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U101018\
 Data File : VU027578.D
 Acq On : 10 Oct 2018 18:19
 Operator : MD/SY
 Sample : J5326-28
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-PIT-7

Quant Time: Oct 11 04:06:09 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

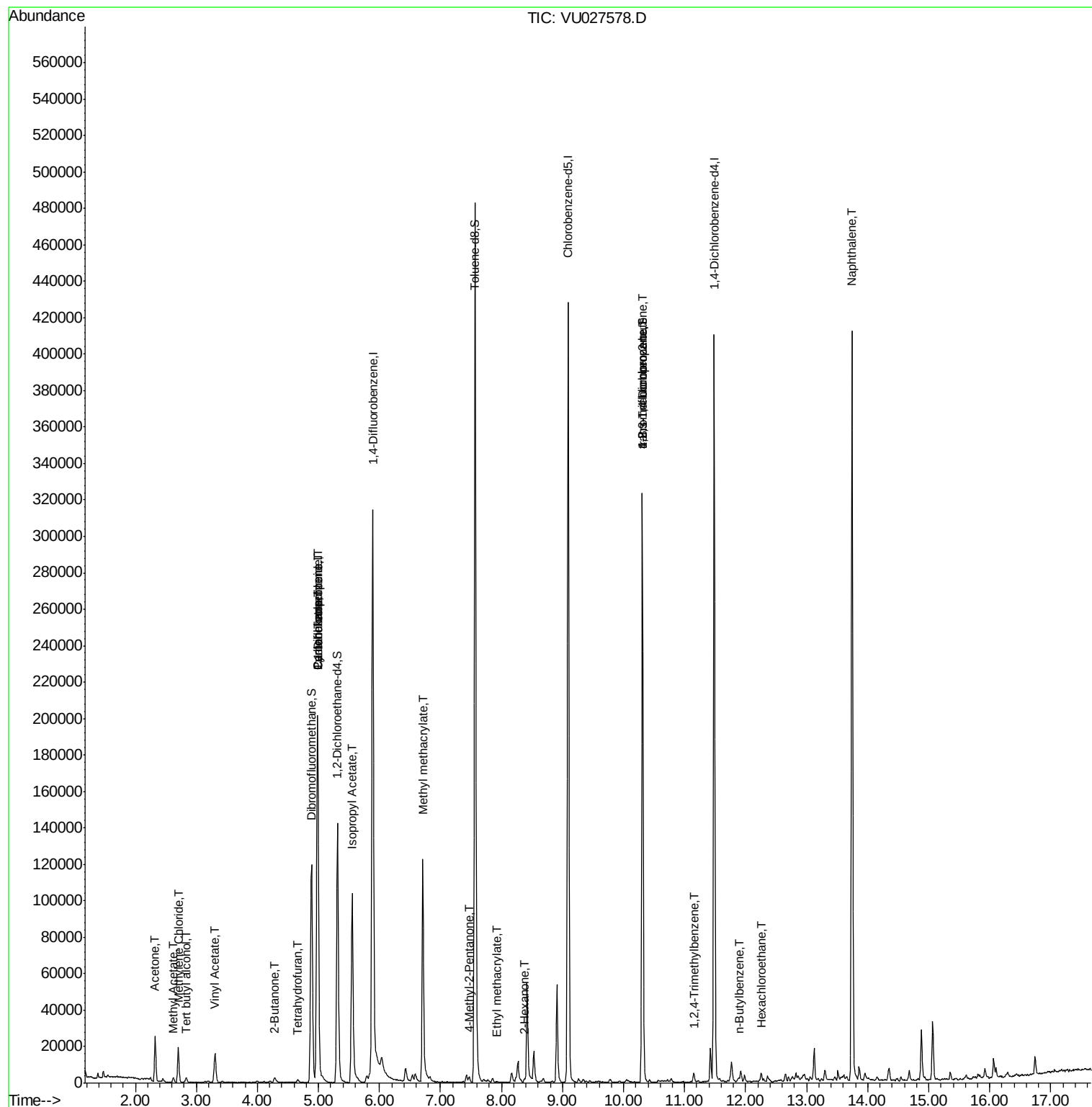
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	161604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	266846	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	234599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	104480	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	108188	40.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.18%	
35) Dibromofluoromethane	4.89	113	84110	45.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.98%	
50) Toluene-d8	7.57	98	326502	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
62) 4-Bromofluorobenzene	10.31	95	108206	42.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.08%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.83	59	3248	5.716	ug/l	96
16) Acetone	2.32	43	26114	16.381	ug/l	91
18) Methyl Acetate	2.62	43	3614	0.994	ug/l #	86
20) Methylene Chloride	2.70	84	8415	3.790	ug/l	89
23) Vinyl Acetate	3.30	43	5715	0.794	ug/l #	51
25) 2-Butanone	4.28	43	5908	2.718	ug/l #	85
29) Tetrahydrofuran	4.67	42	994	0.726	ug/l #	71
31) Cyclohexane	4.98	56	3328	0.534	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	12816	4.423	ug/l #	50
38) Carbon Tetrachloride	4.98	117	15290	5.842	ug/l #	17
43) Isopropyl Acetate	5.55	43	128901	22.164	ug/l	99
48) Methyl methacrylate	6.71	41	11626	4.020	ug/l #	45
51) 4-Methyl-2-Pentanone	7.47	43	2342	0.620	ug/l #	85
56) Ethyl methacrylate	7.93	69	142	2.307	ug/l #	39
59) 2-Hexanone	8.38	43	837	0.286	ug/l	64
76) 1,2,3-Trichloropropane	10.31	75	54777	20.225	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.31	75	54777	52.931	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	2072	0.328	ug/l	97
89) n-Butylbenzene	11.89	91	349	1.998	ug/l #	34
90) Hexachloroethane	12.25	117	347	0.286	ug/l #	12
95) Naphthalene	13.74	128	315527	40.279	ug/l	100

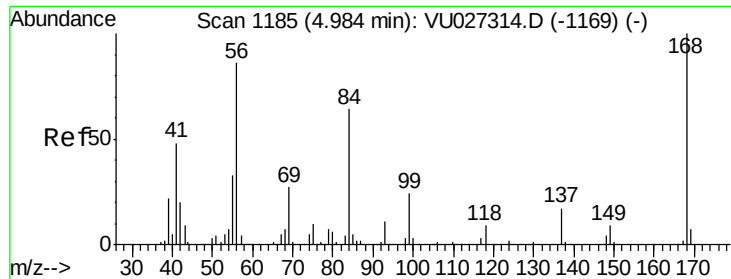
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027578.D

Acq: 10 Oct 2018 18:19

Instrument :

MSVOA_U

ClientSampleId :

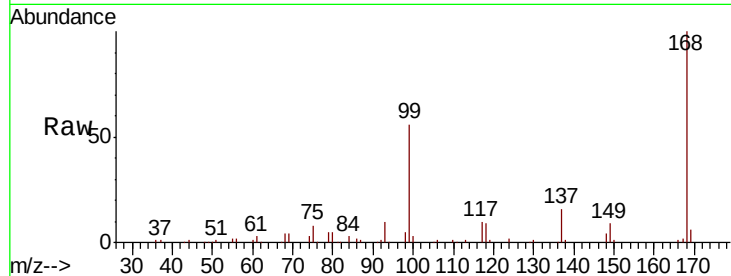
FL-PIT-7

Tgt Ion:168 Resp: 161604

Ion Ratio Lower Upper

168 100

99 55.9 50.8 76.2



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

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.99

60000

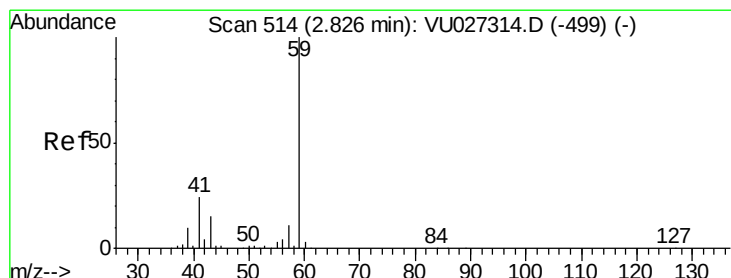
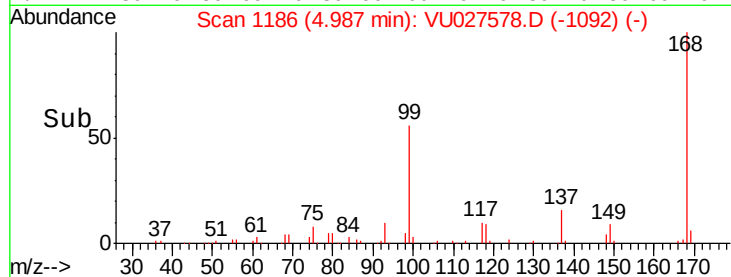
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#11

Tert butyl alcohol

Concen: 5.716 ug/l

RT: 2.83 min Scan# 516

Delta R.T. 0.01 min

Lab File: VU027578.D

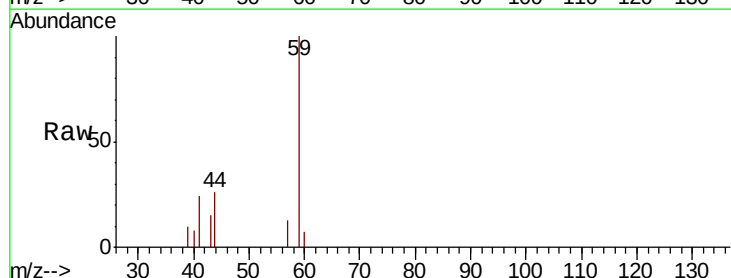
Acq: 10 Oct 2018 18:19

Tgt Ion: 59 Resp: 3248

Ion Ratio Lower Upper

59 100

57 8.9 8.4 12.6



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

Ion 57.00 (56.70 to 57.70): VU027314.D (-499) (-)

2.83

1500

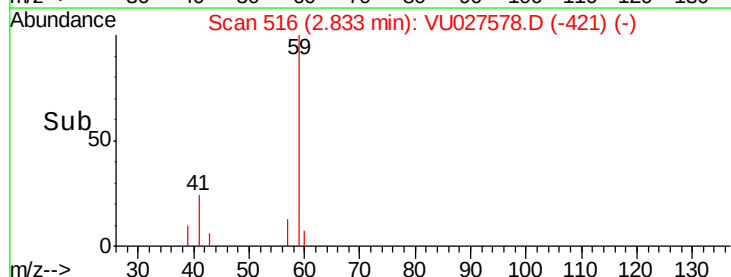
1000

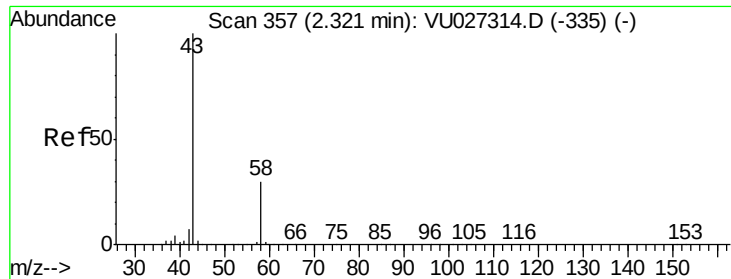
500

0

2.80 2.85 2.90

Time-->





#16

Acetone

Concen: 16.381 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027578.D

Acq: 10 Oct 2018 18:19

Instrument :

MSVOA_U

ClientSampleId :

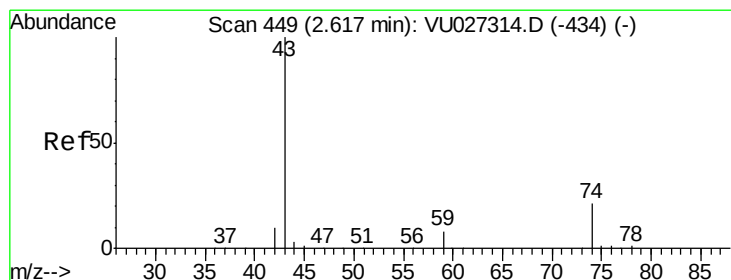
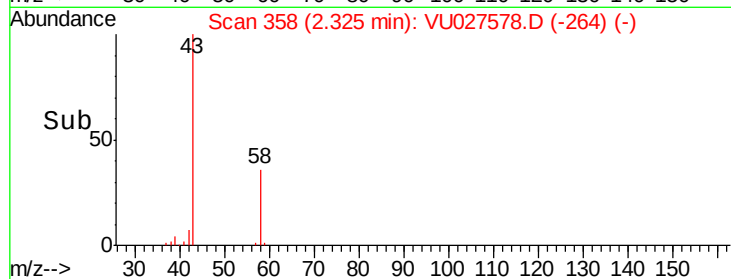
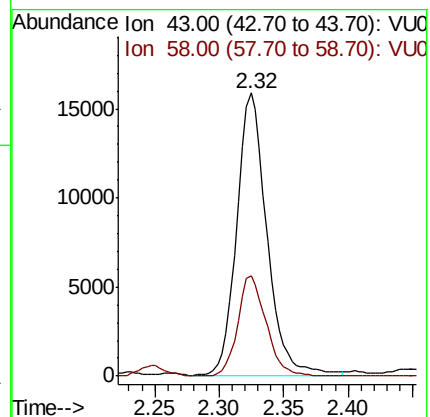
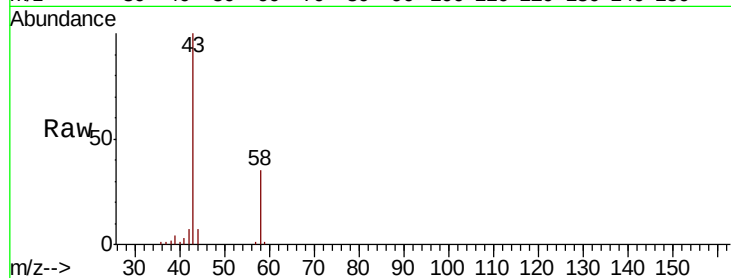
FL-PIT-7

Tgt Ion: 43 Resp: 26114

Ion Ratio Lower Upper

43 100

58 35.4 24.2 36.4



#18

Methyl Acetate

Concen: 0.994 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU027578.D

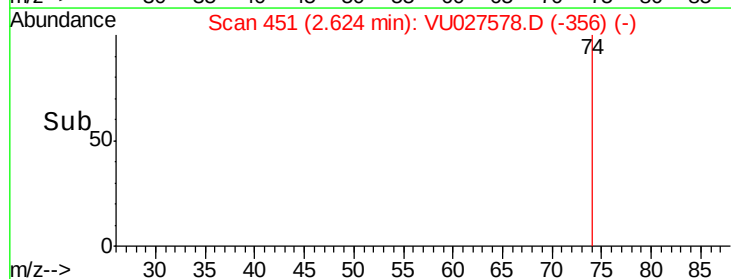
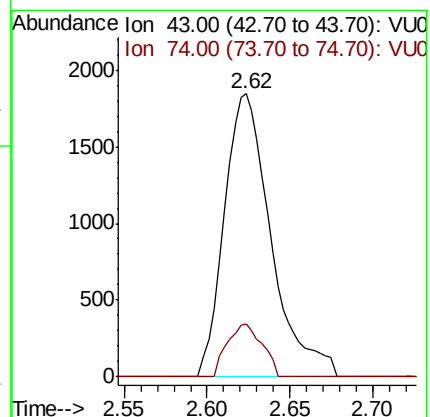
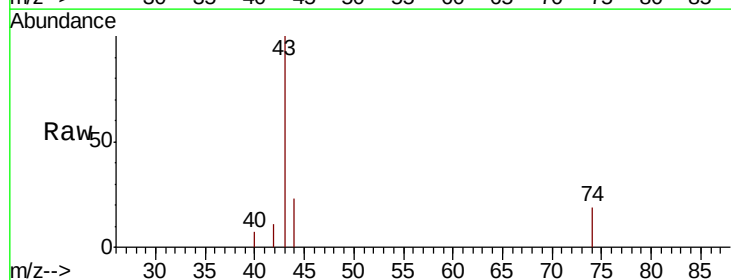
Acq: 10 Oct 2018 18:19

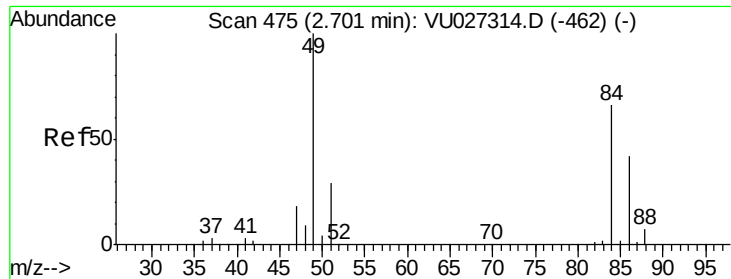
Tgt Ion: 43 Resp: 3614

Ion Ratio Lower Upper

43 100

74 13.9 16.5 24.7#

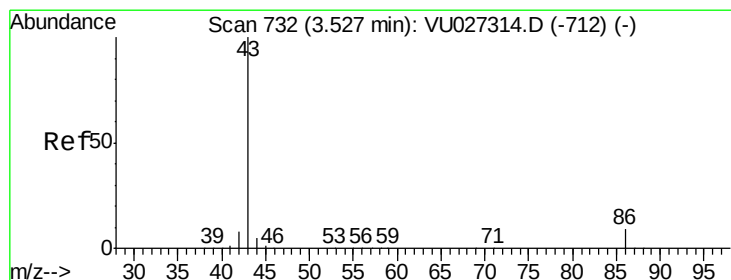
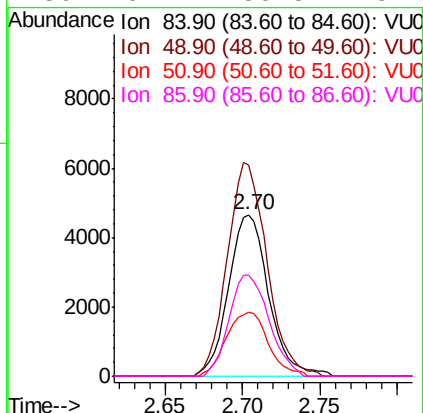
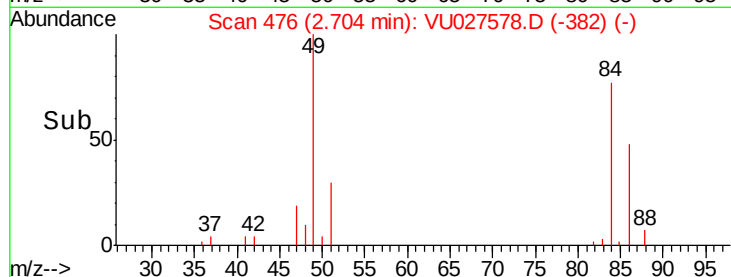
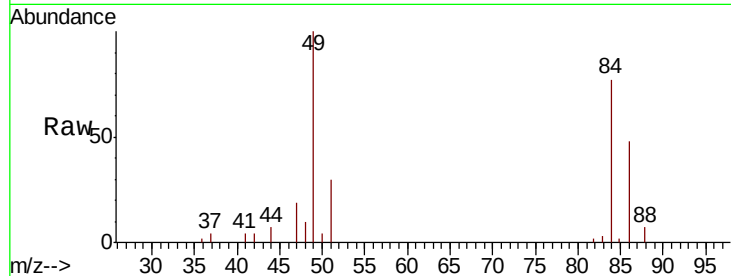




#20
Methylene Chloride
Concen: 3.790 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027578.D
Acq: 10 Oct 2018 18:19

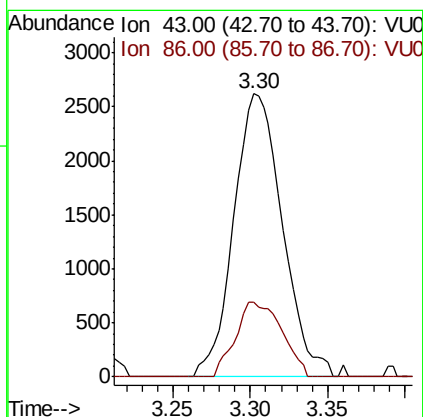
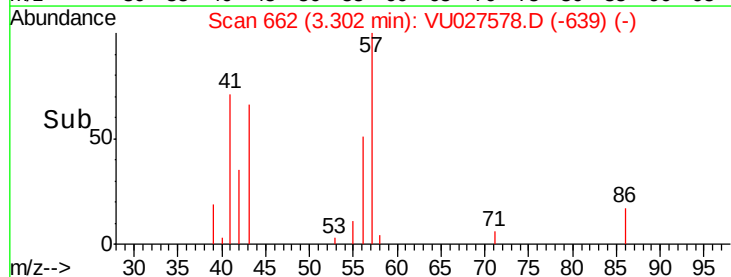
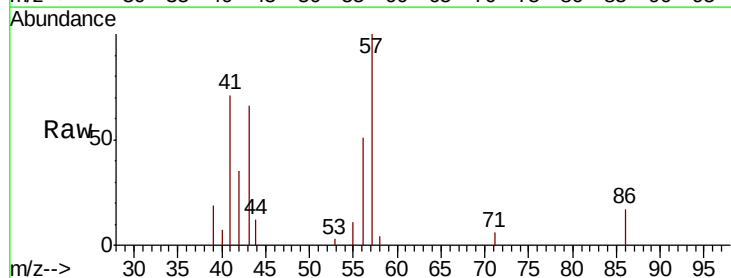
Instrument :
MSVOA_U
ClientSampleId :
FL-PIT-7

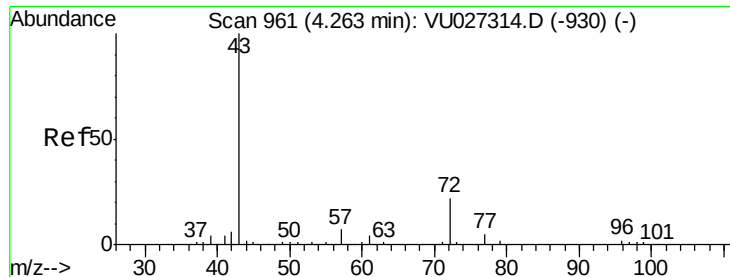
Tgt Ion:	84	Resp:	8415
Ion	Ratio	Lower	Upper
84	100		
49	130.4	120.5	180.7
51	39.6	35.1	52.7
86	62.2	50.5	75.7



#23
Vinyl Acetate
Concen: 0.794 ug/l
RT: 3.30 min Scan# 662
Delta R.T. -0.23 min
Lab File: VU027578.D
Acq: 10 Oct 2018 18:19

Tgt Ion:	43	Resp:	5715
Ion	Ratio	Lower	Upper
43	100		
86	26.3	7.0	10.4#

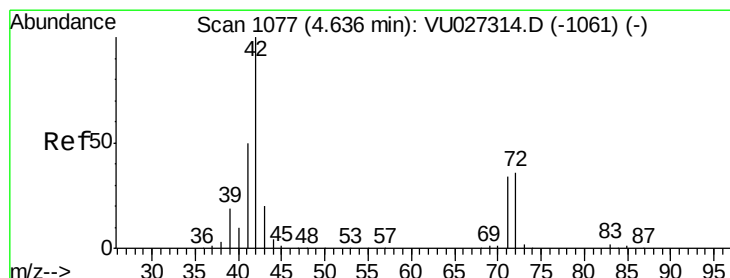
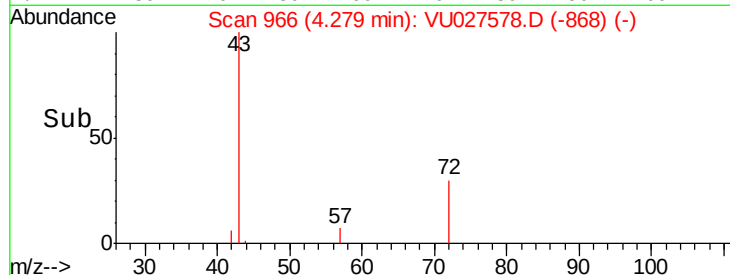
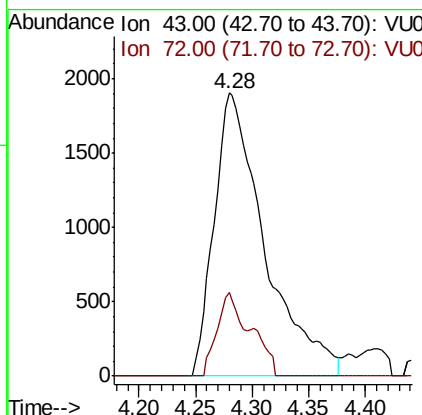
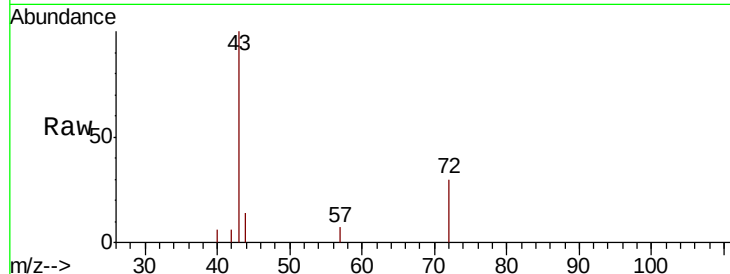




#25
 2-Butanone
 Concen: 2.718 ug/l
 RT: 4.28 min Scan# 966
 Delta R.T. 0.02 min
 Lab File: VU027578.D
 Acq: 10 Oct 2018 18:19

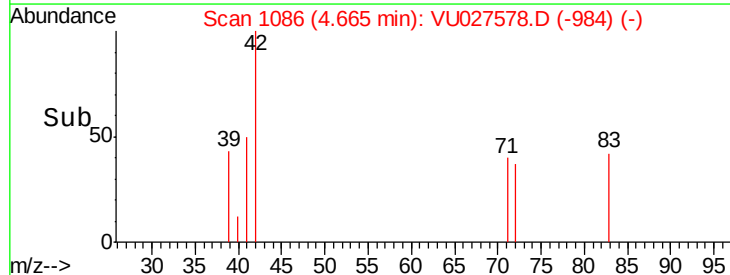
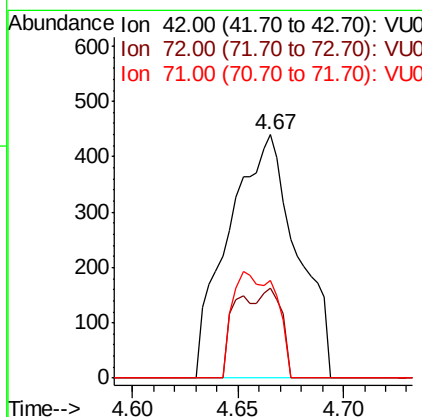
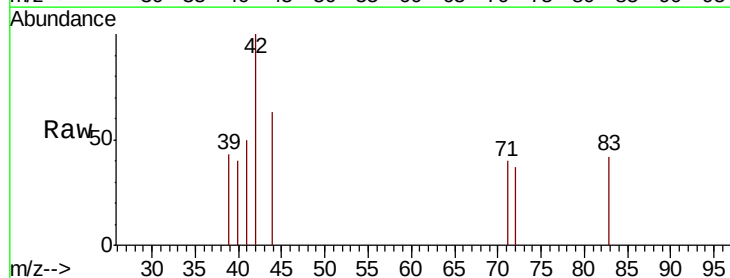
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-PIT-7

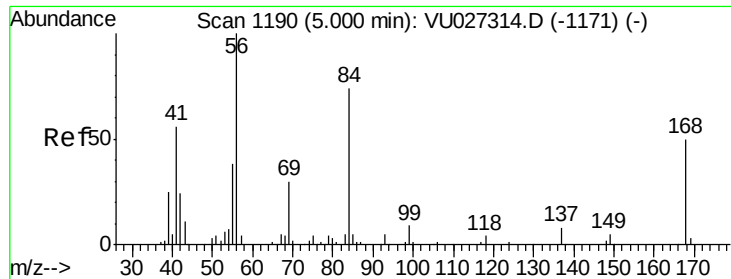
Tgt Ion: 43 Resp: 5908
 Ion Ratio Lower Upper
 43 100
 72 29.5 17.8 26.6#



#29
 Tetrahydrofuran
 Concen: 0.726 ug/l
 RT: 4.67 min Scan# 1086
 Delta R.T. 0.03 min
 Lab File: VU027578.D
 Acq: 10 Oct 2018 18:19

Tgt Ion: 42 Resp: 994
 Ion Ratio Lower Upper
 42 100
 72 10.6 30.1 45.1#
 71 27.7 27.7 41.5#

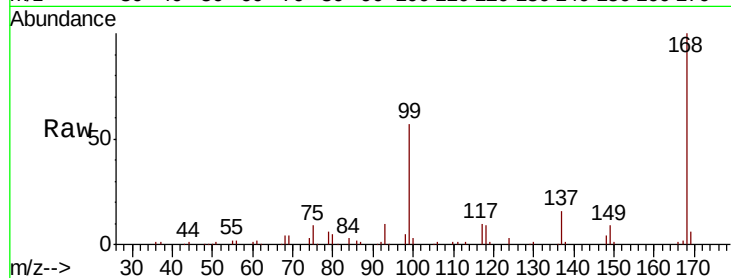




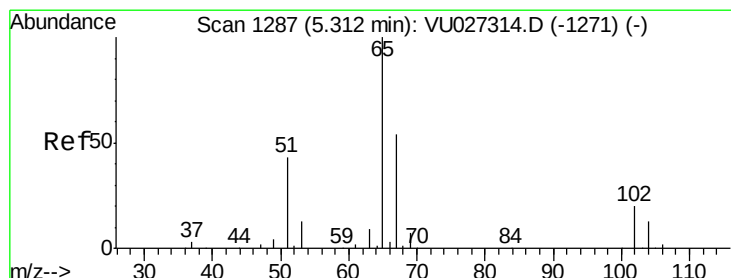
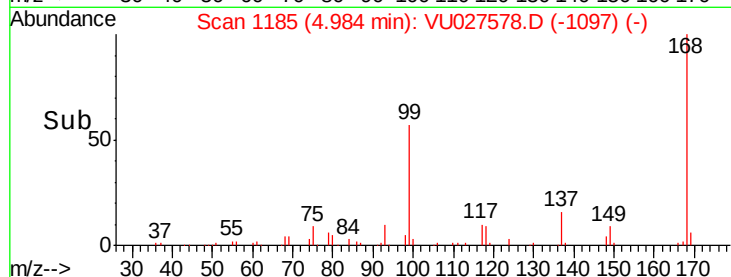
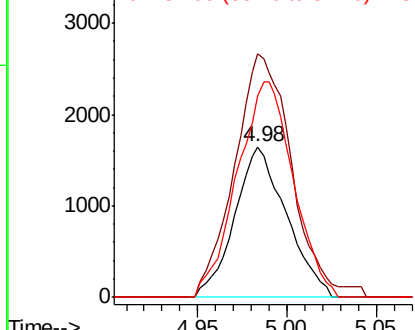
#31
Cyclohexane
Concen: 0.534 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027578.D
Acq: 10 Oct 2018 18:19

Instrument :
MSVOA_U
ClientSampleId :
FL-PIT-7

Tgt Ion: 56 Resp: 3328
Ion Ratio Lower Upper
56 100
69 161.8 24.1 36.1#
84 133.5 59.1 88.7#

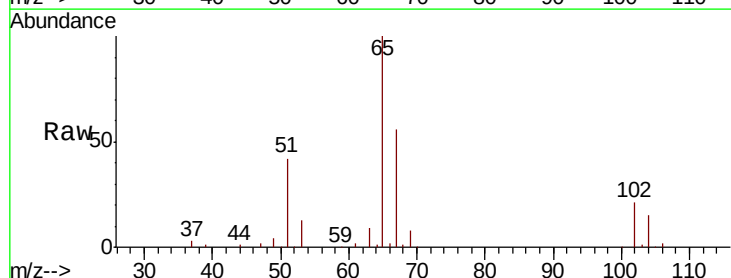


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

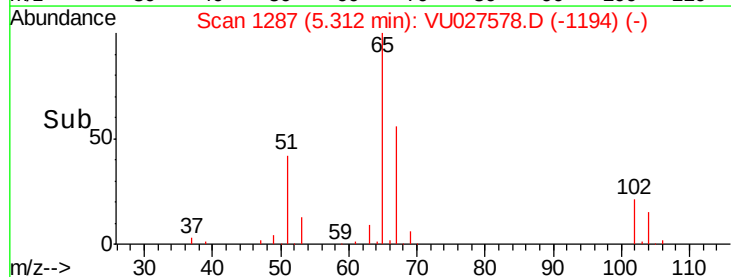
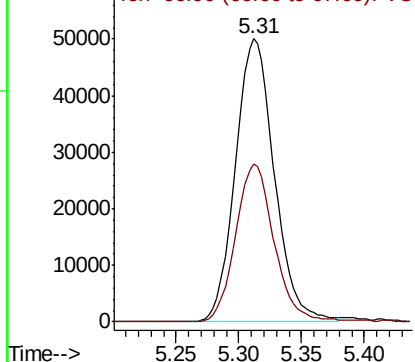


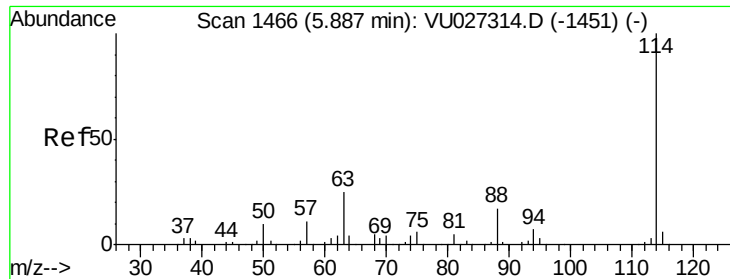
#33
1,2-Dichloroethane-d4
Concen: 40.092 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027578.D
Acq: 10 Oct 2018 18:19

Tgt Ion: 65 Resp: 108188
Ion Ratio Lower Upper
65 100
67 55.2 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

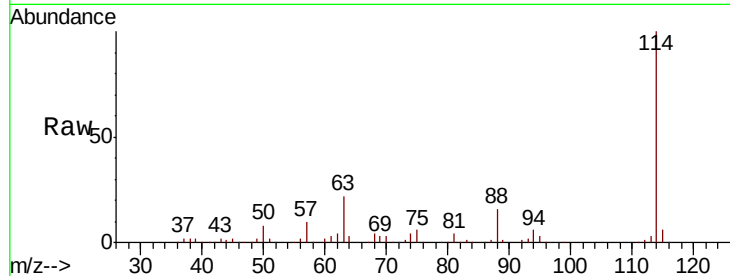




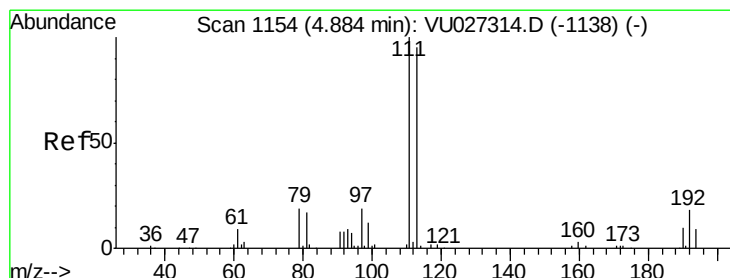
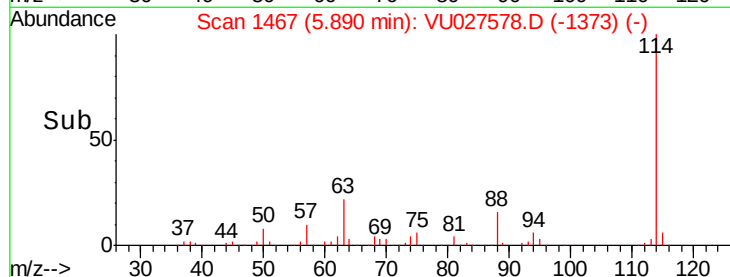
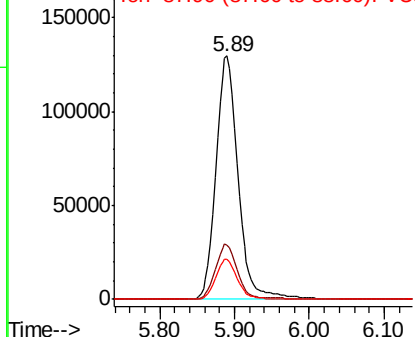
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027578.D
 Acq: 10 Oct 2018 18:19

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-PIT-7

Tgt Ion:114 Resp: 266846
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 50.2
 88 16.4 0.0 33.8

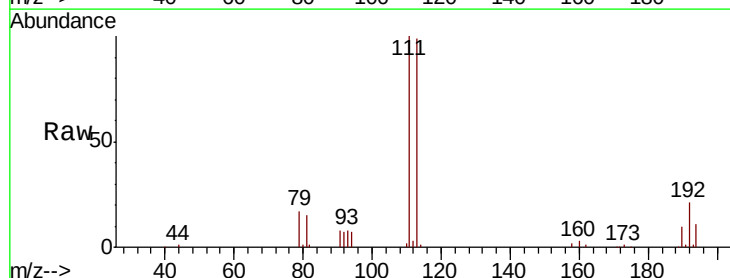


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

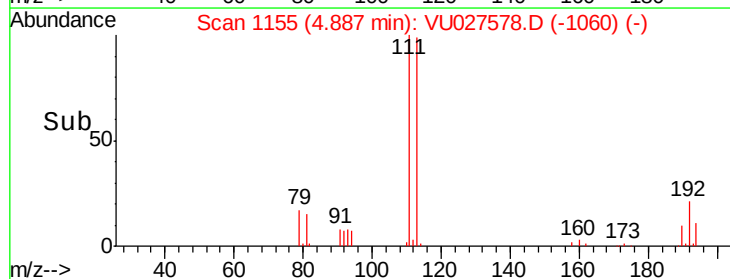
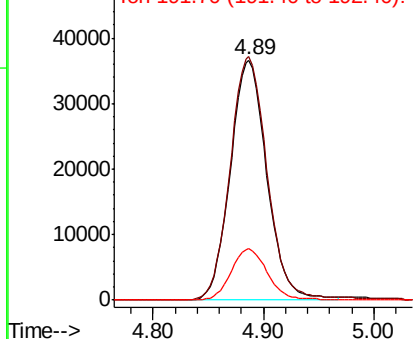


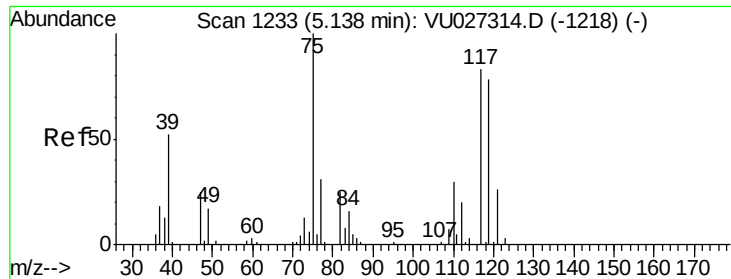
#35
 Dibromofluoromethane
 Concen: 45.992 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027578.D
 Acq: 10 Oct 2018 18:19

Tgt Ion:113 Resp: 84110
 Ion Ratio Lower Upper
 113 100
 111 102.5 83.1 124.7
 192 21.2 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: 4.423 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027578.D

Acq: 10 Oct 2018 18:19

Instrument :

MSVOA_U

ClientSampleId :

FL-PIT-7

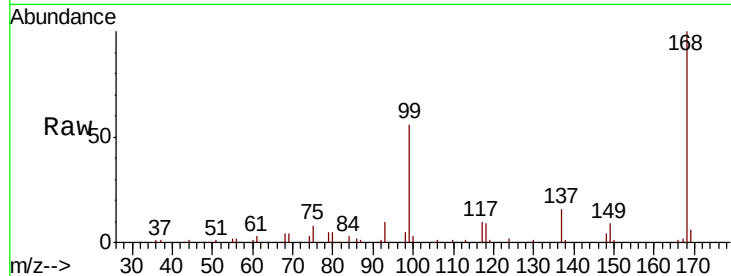
Tgt Ion: 75 Resp: 12816

Ion Ratio Lower Upper

75 100

110 7.7 15.5 46.5#

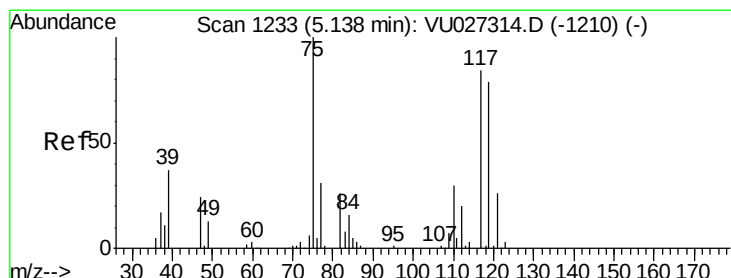
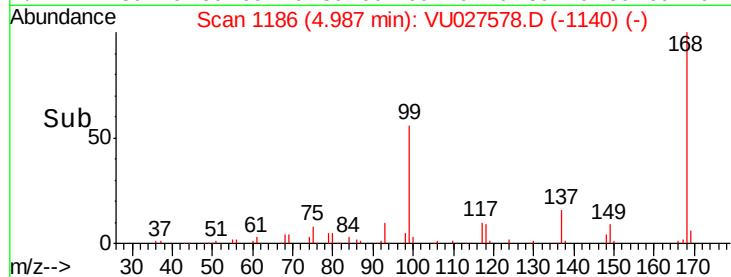
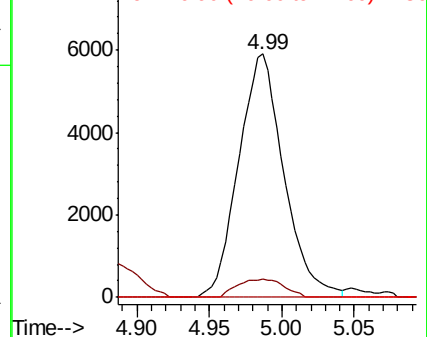
77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VU027578.D (-1140) (-)

Ion 109.90 (109.60 to 110.60): VU027578.D (-1140) (-)

Ion 76.90 (76.60 to 77.60): VU027578.D (-1140) (-)



#38

Carbon Tetrachloride

Concen: 5.842 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027578.D

Acq: 10 Oct 2018 18:19

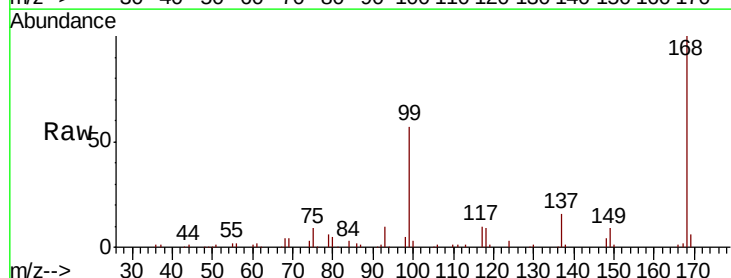
Tgt Ion: 117 Resp: 15290

Ion Ratio Lower Upper

117 100

119 5.4 74.5 111.7#

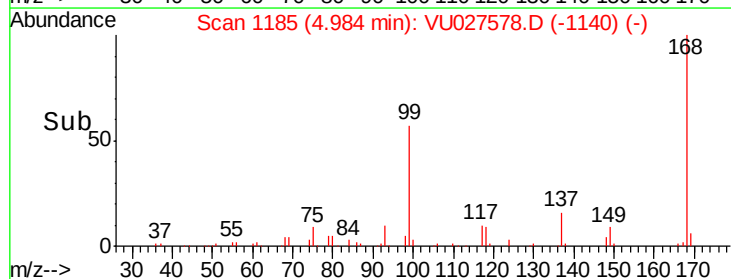
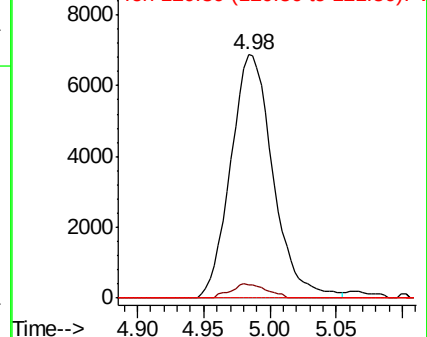
121 0.0 24.6 37.0#

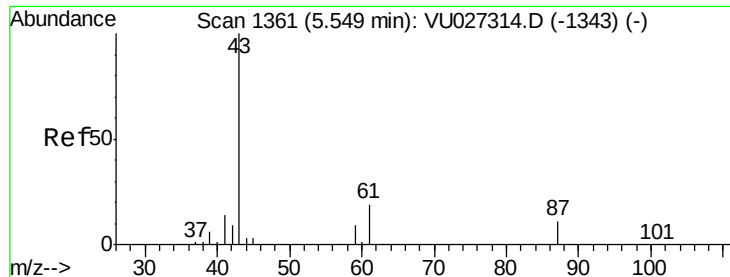


Abundance Ion 116.80 (116.50 to 117.50): VU027578.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU027578.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU027578.D (-1140) (-)

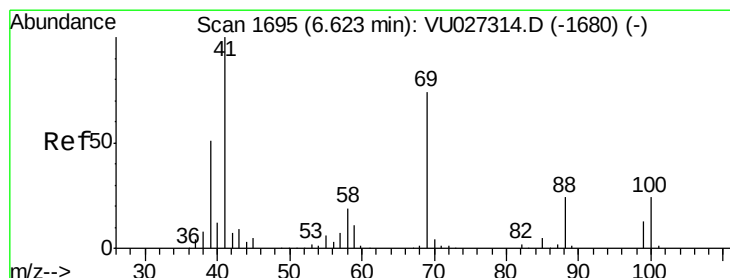
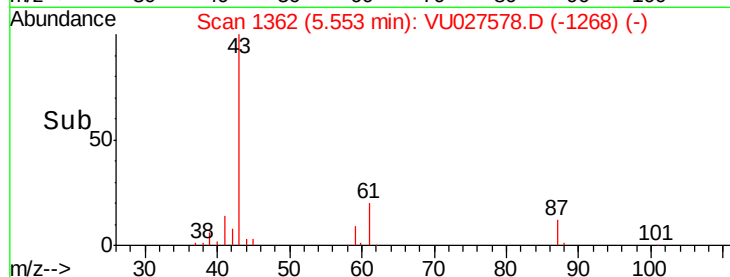
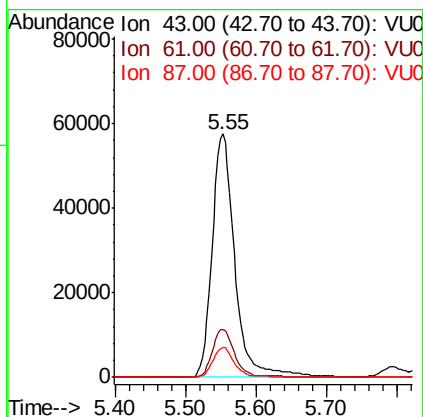
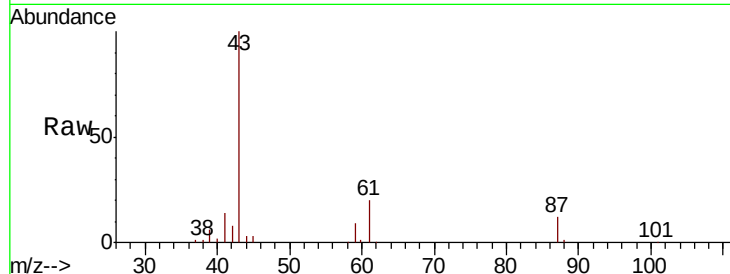




#43
Isopropyl Acetate
Concen: 22.164 ug/l
RT: 5.55 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VU027578.D
Acq: 10 Oct 2018 18:19

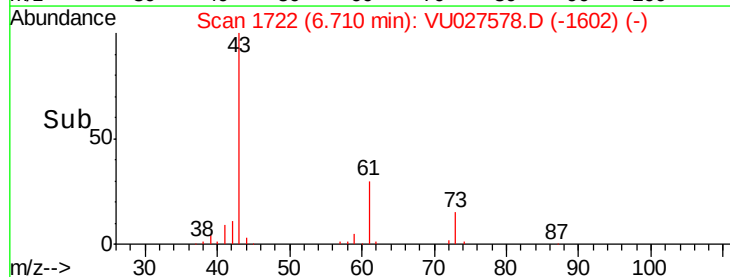
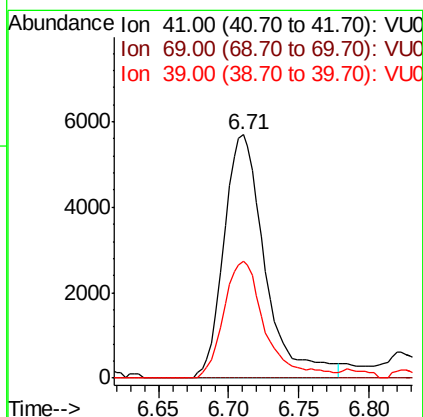
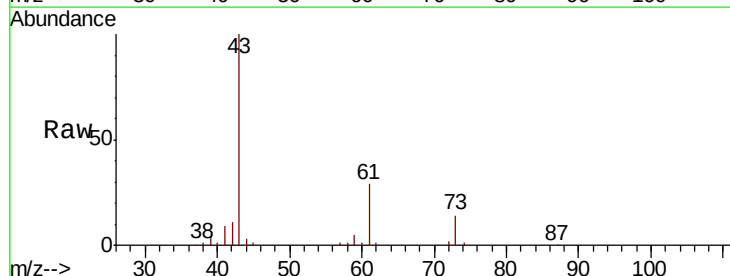
Instrument :
MSVOA_U
ClientSampleId :
FL-PIT-7

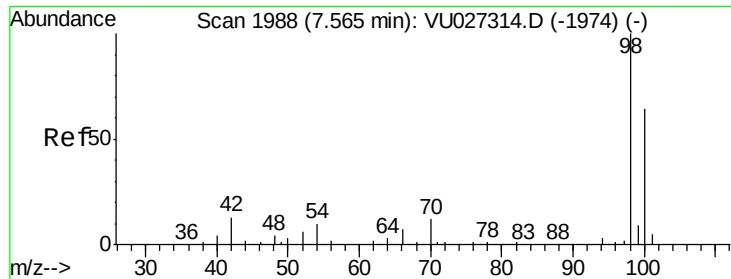
Tgt Ion: 43 Resp: 128901
Ion Ratio Lower Upper
43 100
61 19.5 15.3 22.9
87 11.8 8.6 13.0



#48
Methyl methacrylate
Concen: 4.020 ug/l
RT: 6.71 min Scan# 1722
Delta R.T. 0.09 min
Lab File: VU027578.D
Acq: 10 Oct 2018 18:19

Tgt Ion: 41 Resp: 11626
Ion Ratio Lower Upper
41 100
69 0.0 61.0 91.4#
39 48.2 39.9 59.9

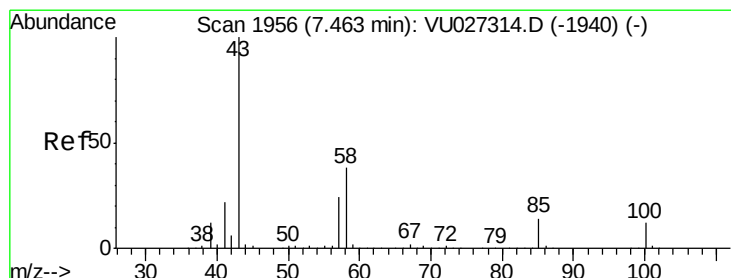
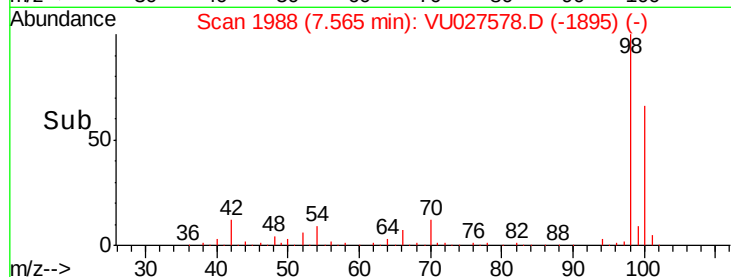
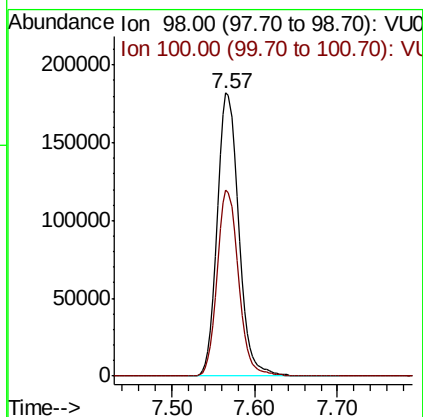
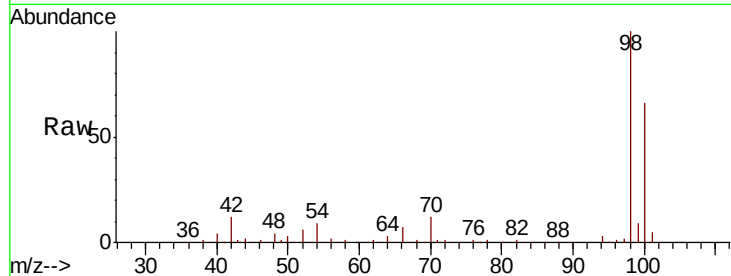




#50
Toluene-d8
Concen: 47.703 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027578.D
Acq: 10 Oct 2018 18:19

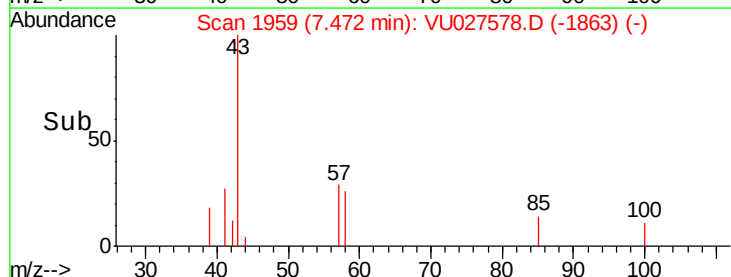
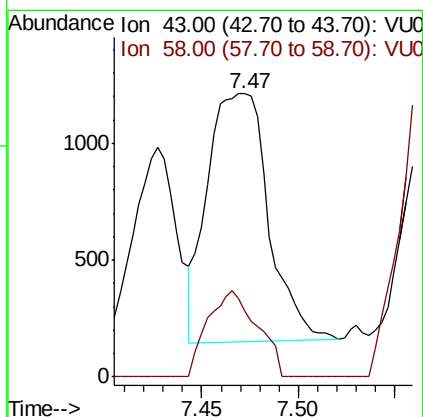
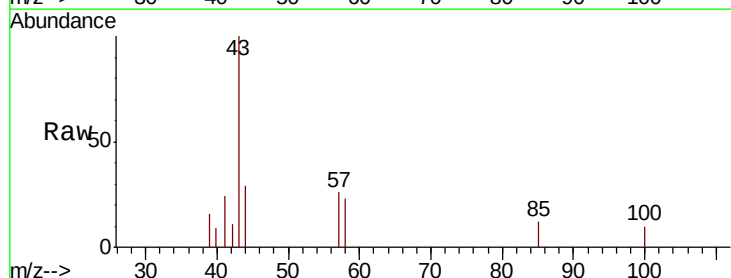
Instrument :
MSVOA_U
ClientSampleId :
FL-PIT-7

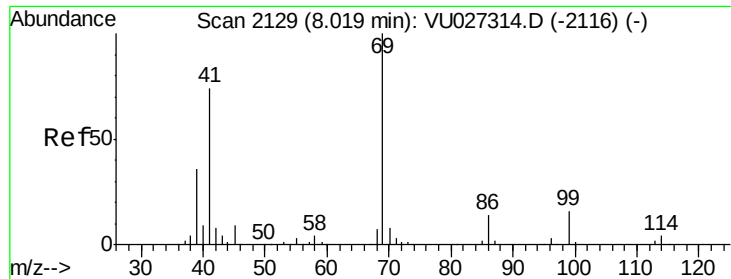
Tgt Ion: 98 Resp: 326502
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.620 ug/l
RT: 7.47 min Scan# 1959
Delta R.T. 0.01 min
Lab File: VU027578.D
Acq: 10 Oct 2018 18:19

Tgt Ion: 43 Resp: 2342
Ion Ratio Lower Upper
43 100
58 28.1 29.8 44.8#





#56

Ethyl methacrylate

Concen: 2.307 ug/l

RT: 7.93 min Scan# 2100

Delta R.T. -0.09 min

Lab File: VU027578.D

Acq: 10 Oct 2018 18:19

Instrument :

MSVOA_U

ClientSampleId :

FL-PIT-7

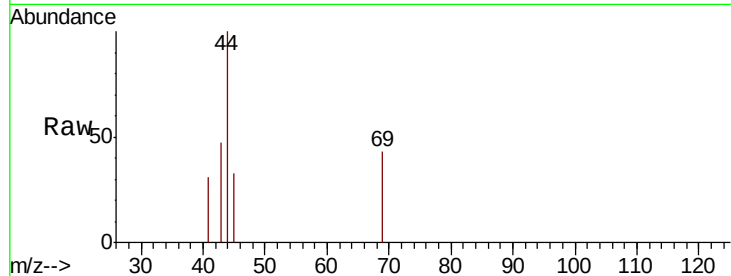
Tgt Ion: 69 Resp: 142

Ion Ratio Lower Upper

69 100

41 126.8 60.0 90.0#

39 0.0 29.5 44.3#



Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

200

150

100

50

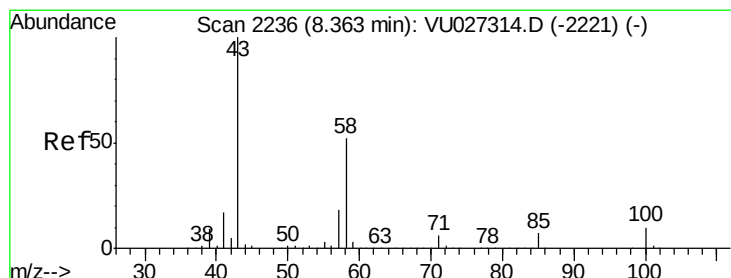
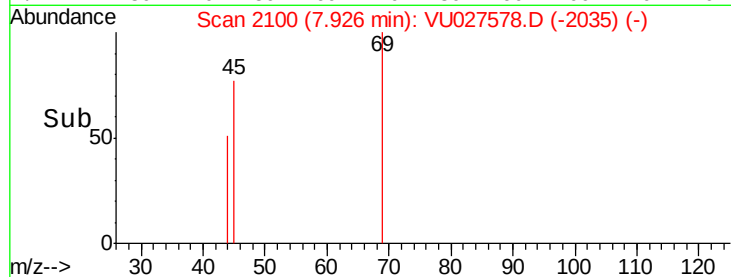
0

7.93

7.92

7.94

Time-->



#59

2-Hexanone

Concen: 0.286 ug/l

RT: 8.38 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VU027578.D

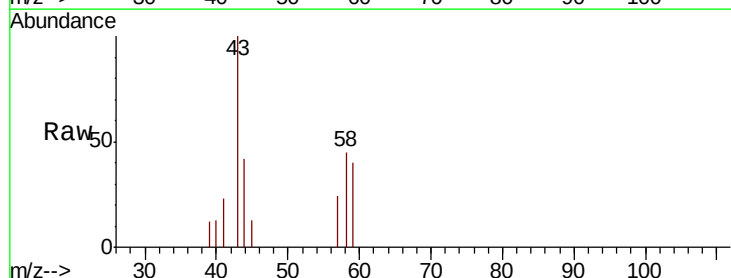
Acq: 10 Oct 2018 18:19

Tgt Ion: 43 Resp: 837

Ion Ratio Lower Upper

43 100

58 77.4 26.1 78.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

3000

2500

2000

1500

1000

500

0

8.38

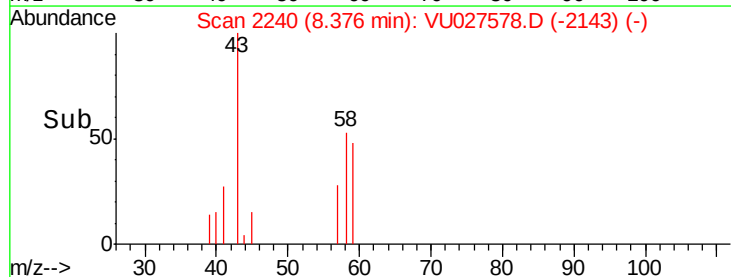
8.34

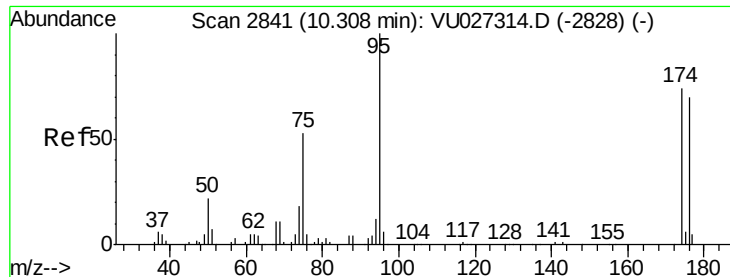
8.36

8.38

8.40

Time-->

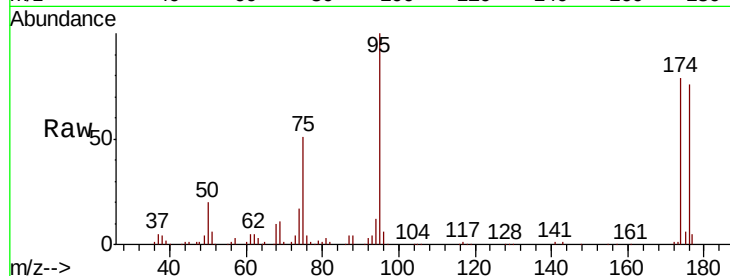




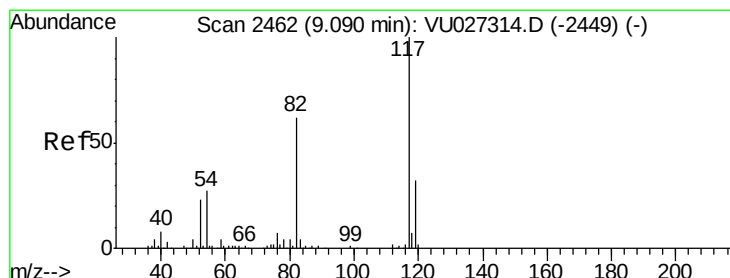
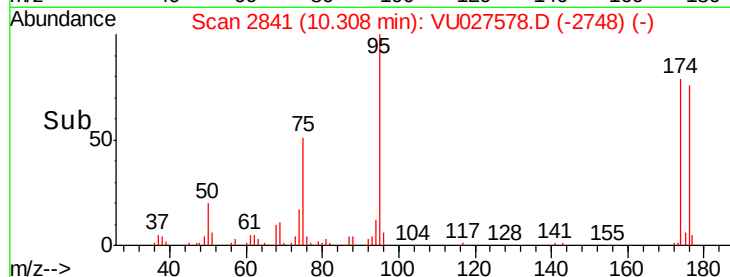
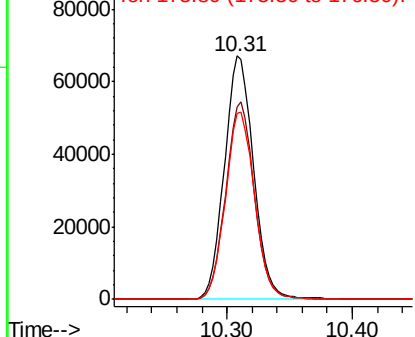
#62
4-Bromofluorobenzene
Concen: 42.539 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027578.D
Acq: 10 Oct 2018 18:19

Instrument :
MSVOA_U
ClientSampled :
FL-PIT-7

Tgt Ion: 95 Resp: 108206
Ion Ratio Lower Upper
95 100
174 79.8 0.0 147.8
176 76.8 0.0 140.8

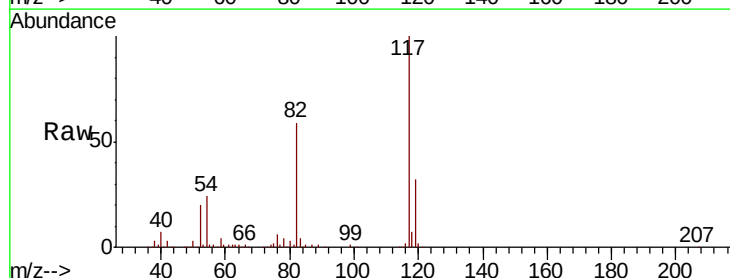


Abundance Ion 94.90 (94.60 to 95.60): VU0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

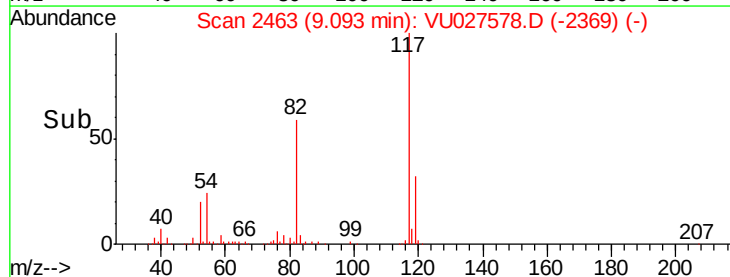
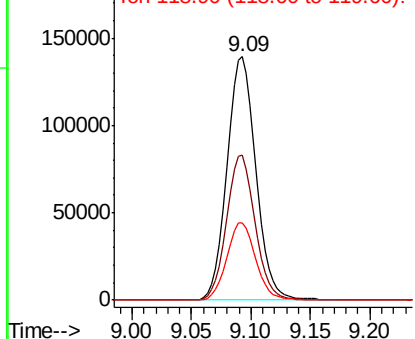


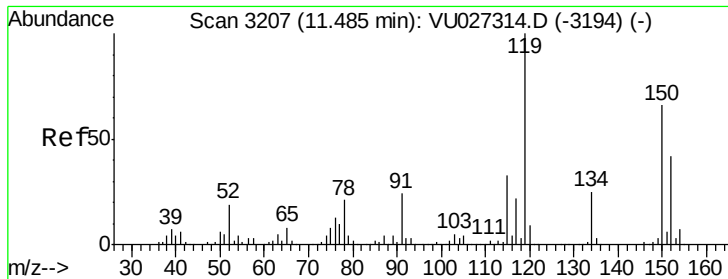
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027578.D
Acq: 10 Oct 2018 18:19

Tgt Ion: 117 Resp: 234599
Ion Ratio Lower Upper
117 100
82 59.3 49.2 73.8
119 31.8 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

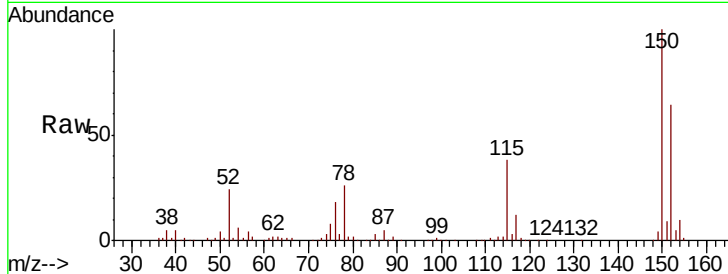




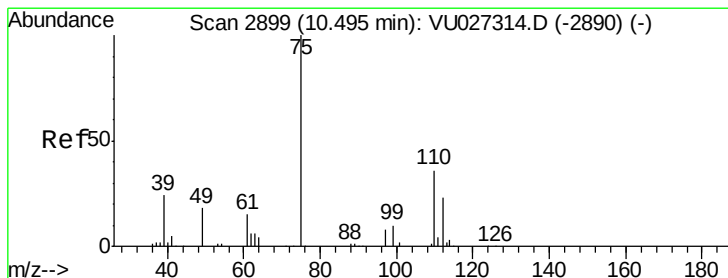
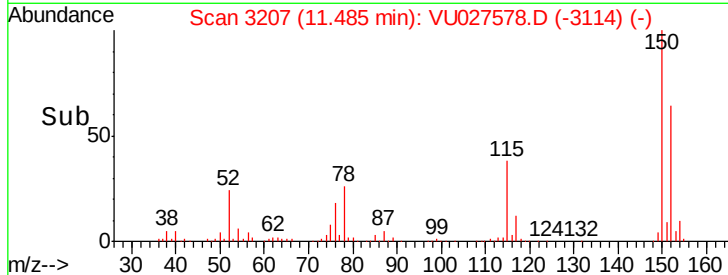
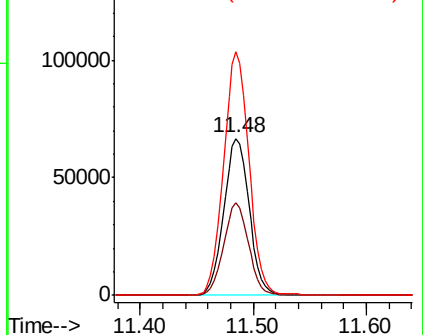
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: VU027578.D
 Acq: 10 Oct 2018 18:19

Instrument :
 MSVOA_U
 ClientSampled :
 FL-PIT-7

Tgt Ion:152 Resp: 104480
 Ion Ratio Lower Upper
 152 100
 115 57.7 43.4 130.2
 150 154.5 0.0 349.2

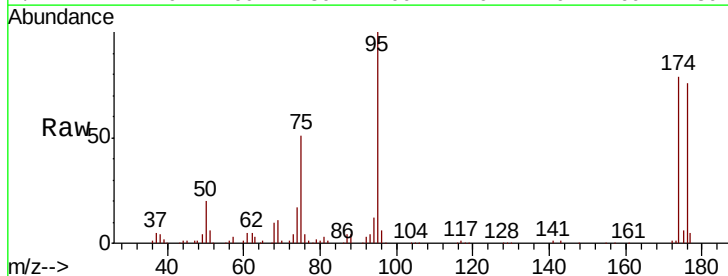


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

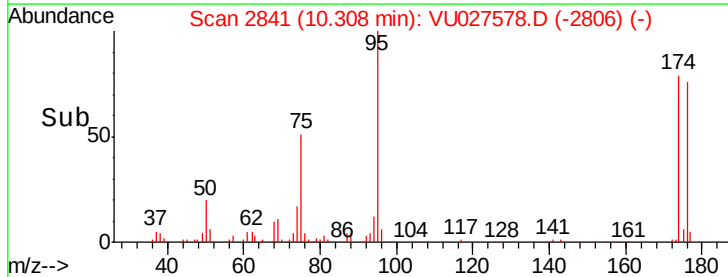
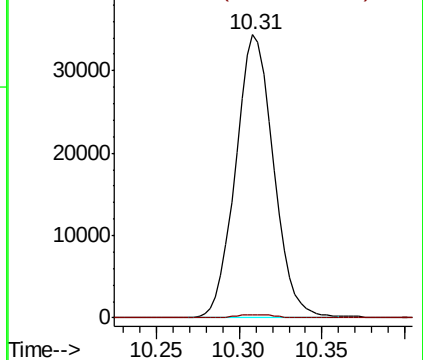


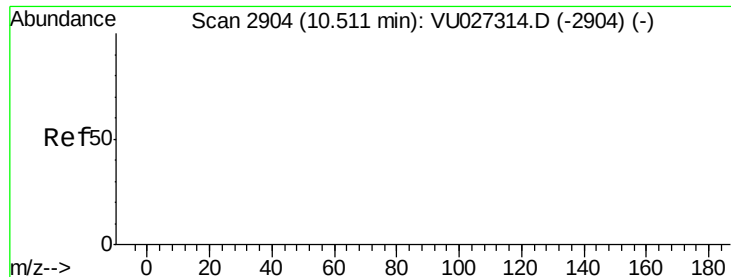
#76
 1,2,3-Trichloropropane
 Concen: 20.225 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027578.D
 Acq: 10 Oct 2018 18:19

Tgt Ion: 75 Resp: 54777
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 77.00 (76.70 to 77.70): VU0

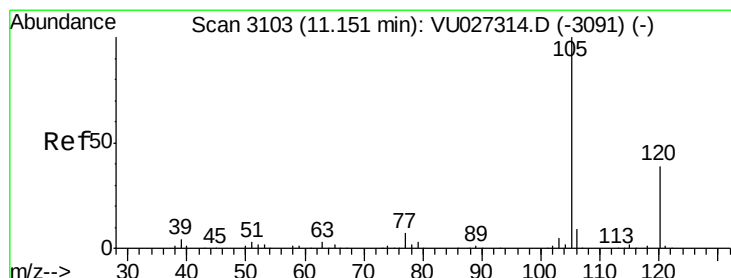
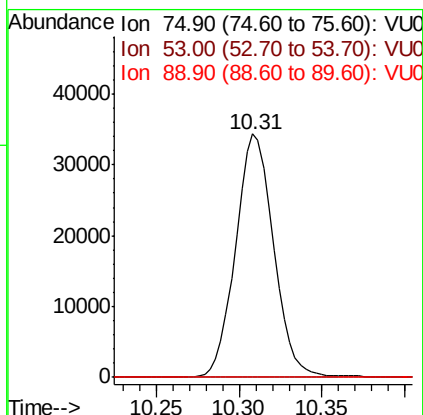
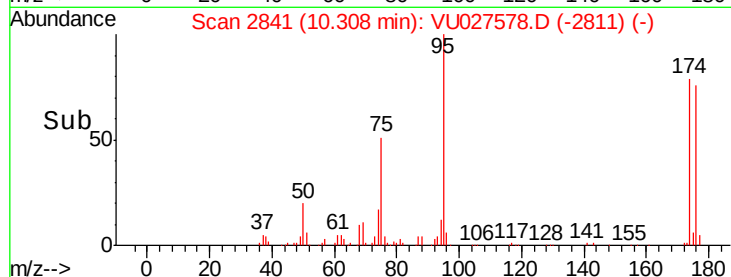
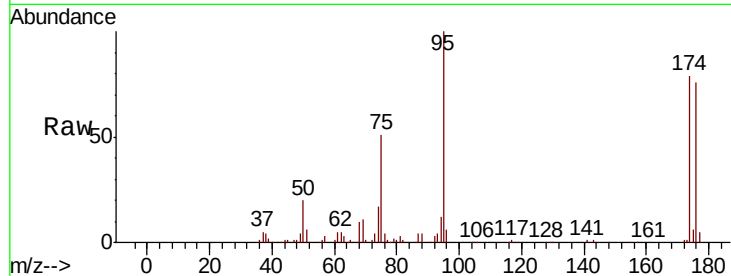




#81
trans-1,4-Dichloro-2-butene
Concen: 52.931 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.20 min
Lab File: VU027578.D
Acq: 10 Oct 2018 18:19

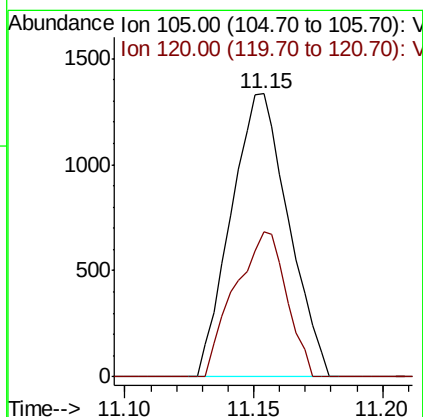
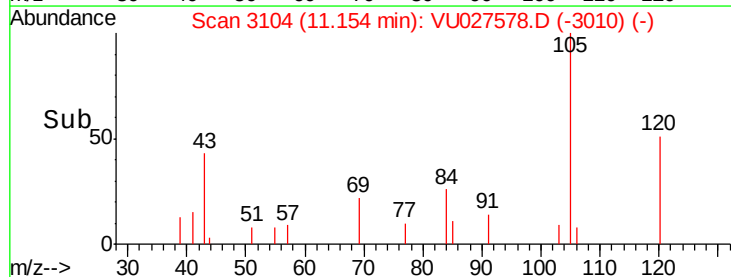
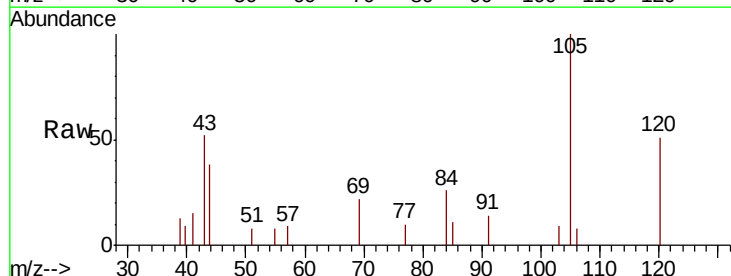
Instrument :
MSVOA_U
ClientSampled :
FL-PIT-7

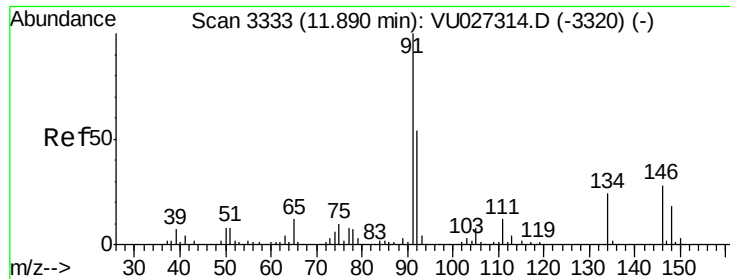
Tgt Ion: 75 Resp: 54777
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#84
1,2,4-Trimethylbenzene
Concen: 0.328 ug/l
RT: 11.15 min Scan# 3104
Delta R.T. 0.00 min
Lab File: VU027578.D
Acq: 10 Oct 2018 18:19

Tgt Ion: 105 Resp: 2072
Ion Ratio Lower Upper
105 100
120 46.3 22.1 66.5

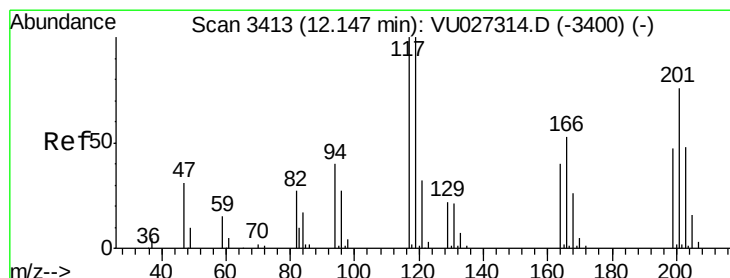
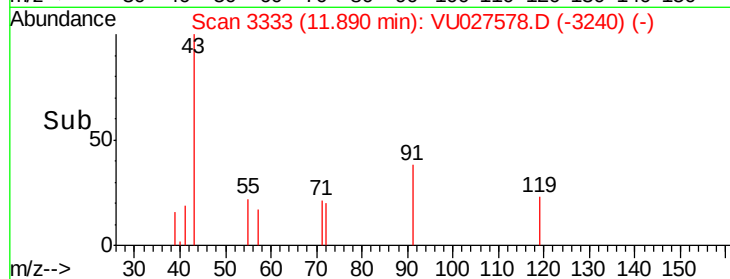
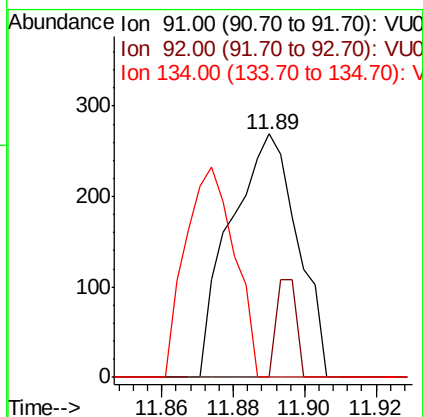
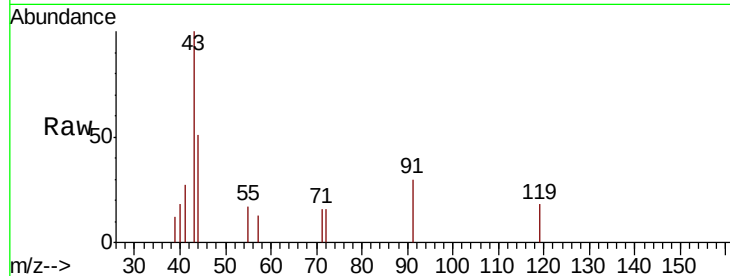




#89
n-Butylbenzene
Concen: 1.998 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027578.D
Acq: 10 Oct 2018 18:19

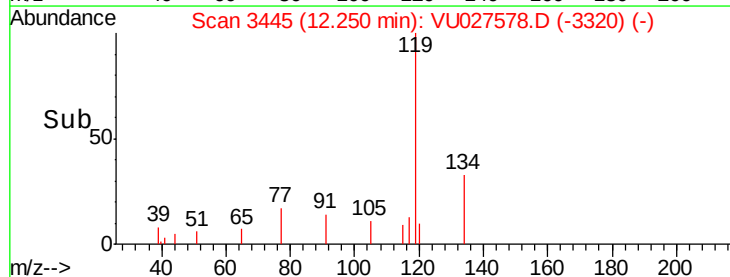
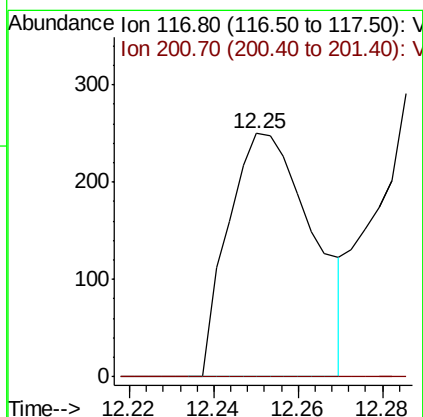
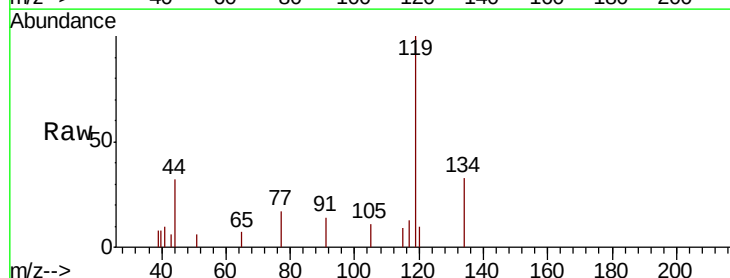
Instrument :
MSVOA_U
ClientSampleId :
FL-PIT-7

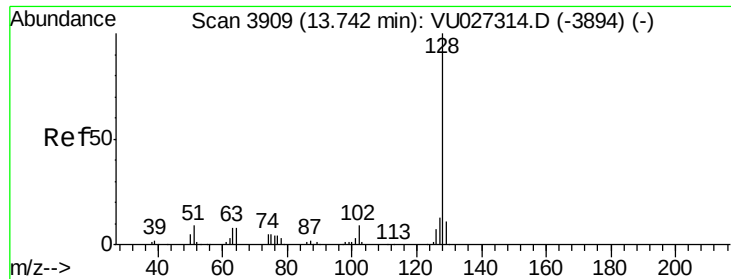
Tgt Ion: 91 Resp: 349
Ion Ratio Lower Upper
91 100
92 12.0 27.0 81.0#
134 63.3 11.7 35.1#



#90
Hexachloroethane
Concen: 0.286 ug/l
RT: 12.25 min Scan# 3445
Delta R.T. 0.10 min
Lab File: VU027578.D
Acq: 10 Oct 2018 18:19

Tgt Ion: 117 Resp: 347
Ion Ratio Lower Upper
117 100
201 0.0 37.9 113.6#





#95
Naphthalene
Concen: 40.279 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027578.D
Acq: 10 Oct 2018 18:19

Instrument :
MSVOA_U
ClientSampleId :
FL-PIT-7

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.8	8.6	12.8

