

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101018\
 Data File : VU027577.D
 Acq On : 10 Oct 2018 17:56
 Operator : MD/SY
 Sample : J5326-24
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-PIT-6

Quant Time: Oct 11 04:05:58 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

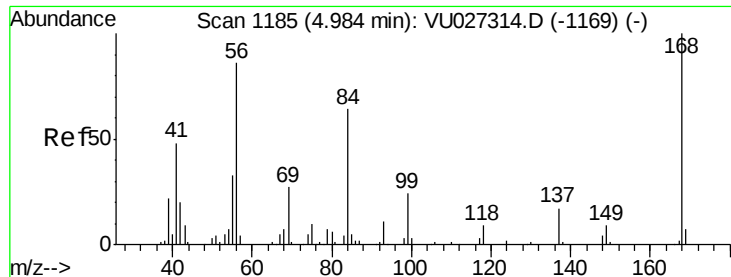
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	158997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	265577	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	232022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	98933	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	111797	42.11	ug/l	0.00
Spiked Amount			Recovery	=	84.22%	
35) Dibromofluoromethane	4.88	113	84910	46.65	ug/l	0.00
Spiked Amount			Recovery	=	93.30%	
50) Toluene-d8	7.57	98	330085	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	10.31	95	107450	42.44	ug/l	0.00
Spiked Amount			Recovery	=	84.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.58	64	755	0.431	ug/l #	44
11) Tert butyl alcohol	2.84	59	443	0.792	ug/l #	72
16) Acetone	2.32	43	9416	6.003	ug/l #	84
18) Methyl Acetate	2.62	43	3567	0.997	ug/l	91
20) Methylene Chloride	2.70	84	25946	11.876	ug/l	95
25) 2-Butanone	4.29	43	1975	0.923	ug/l	95
29) Tetrahydrofuran	4.65	42	961	0.713	ug/l #	82
30) Chloroform	4.68	83	882	0.238	ug/l #	76
31) Cyclohexane	4.98	56	3440	0.573	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	12582	4.363	ug/l #	50
37) Ethyl Acetate	4.29	43	1975	0.530	ug/l #	70
38) Carbon Tetrachloride	4.99	117	14981	5.751	ug/l #	18
43) Isopropyl Acetate	5.55	43	123729	21.377	ug/l	98
48) Methyl methacrylate	6.71	41	11475	3.987	ug/l #	45
56) Ethyl methacrylate	7.78	69	908	2.501	ug/l #	51
59) 2-Hexanone	8.42	43	8101	2.777	ug/l #	55
76) 1,2,3-Trichloropropane	10.31	75	53305	20.785	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	53305	54.397	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	2315	0.387	ug/l	98
85) sec-Butylbenzene	11.15	105	2315	0.325	ug/l #	58
89) n-Butylbenzene	11.88	91	121	1.967	ug/l #	4
95) Naphthalene	13.75	128	22652	4.588	ug/l	99

(#) = 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: VU027577.D

Acq: 10 Oct 2018 17:56

Instrument :

MSVOA_U

ClientSampleId :

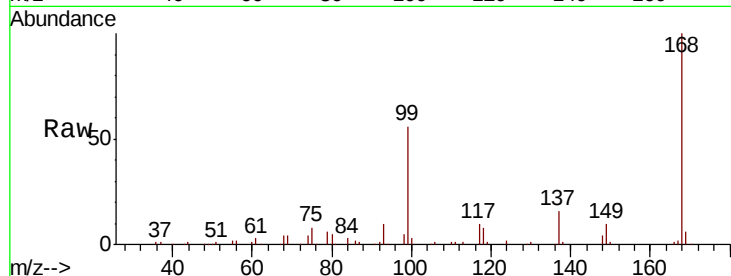
FL-PIT-6

Tgt Ion:168 Resp: 158997

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): VU027577.D (-1092) (-)

4.99

60000

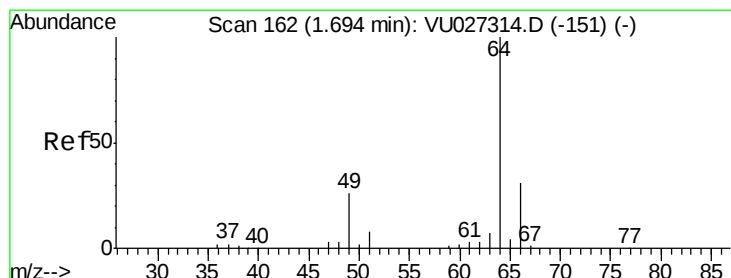
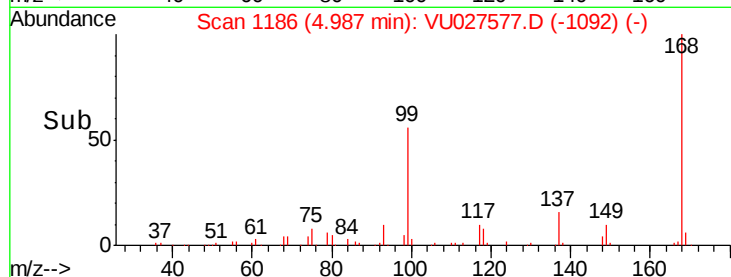
40000

20000

0

Time-->

4.90 5.00 5.10



#6

Chloroethane

Concen: 0.431 ug/l

RT: 1.58 min Scan# 127

Delta R.T. -0.11 min

Lab File: VU027577.D

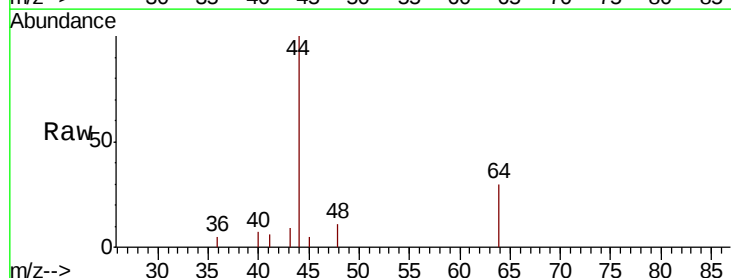
Acq: 10 Oct 2018 17:56

Tgt Ion: 64 Resp: 755

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VU027314.D (-151) (-)

Ion 65.90 (65.60 to 66.60): VU027577.D (-69) (-)

1.58

600

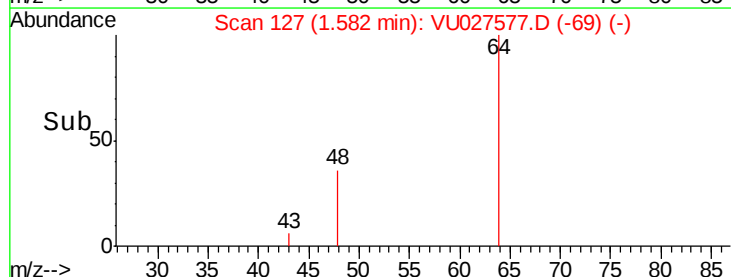
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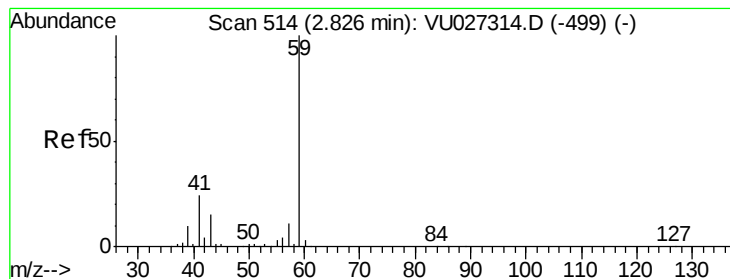
200

0

Time-->

1.54 1.56 1.58 1.60





#11

Tert butyl alcohol

Concen: 0.792 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU027577.D

Acq: 10 Oct 2018 17:56

Instrument :

MSVOA_U

ClientSampleId :

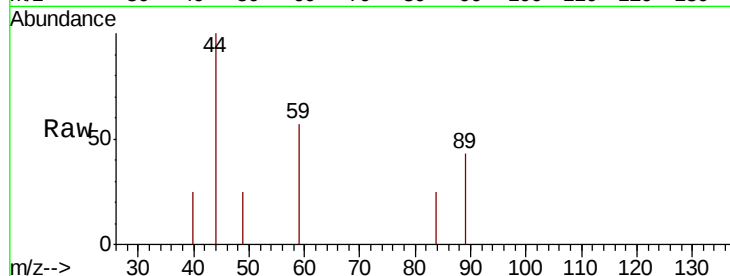
FL-PIT-6

Tgt Ion: 59 Resp: 443

Ion Ratio Lower Upper

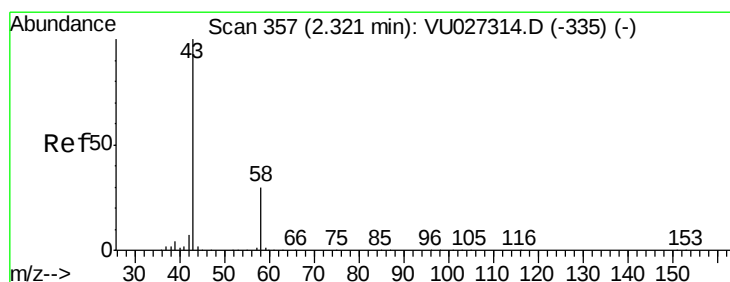
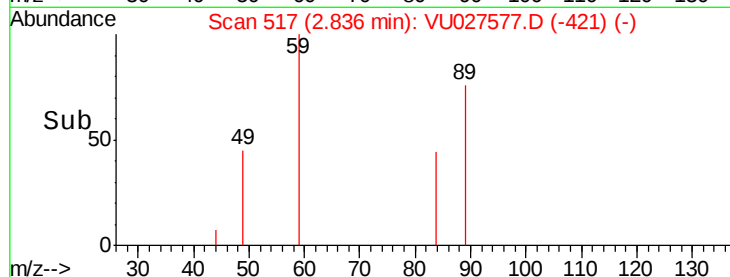
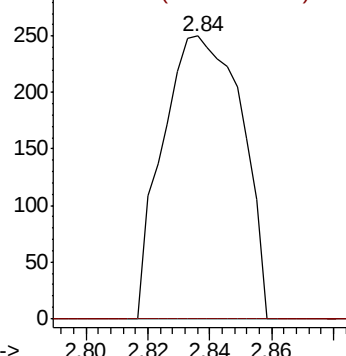
59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#16

Acetone

Concen: 6.003 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027577.D

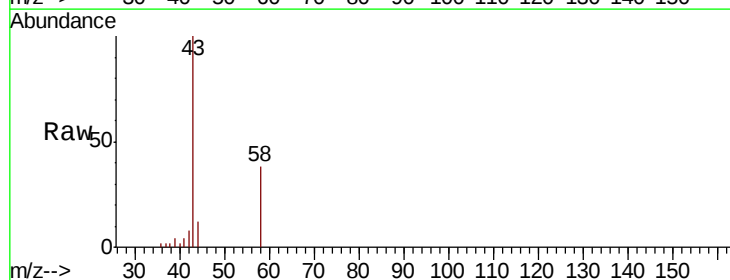
Acq: 10 Oct 2018 17:56

Tgt Ion: 43 Resp: 9416

Ion Ratio Lower Upper

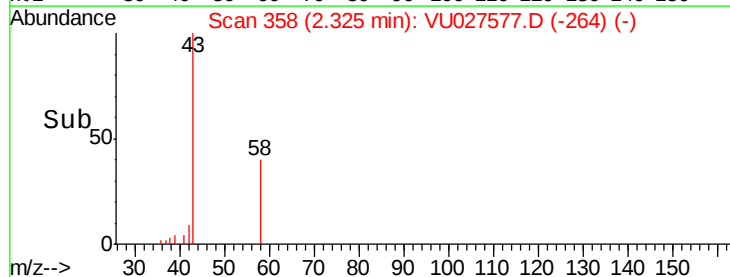
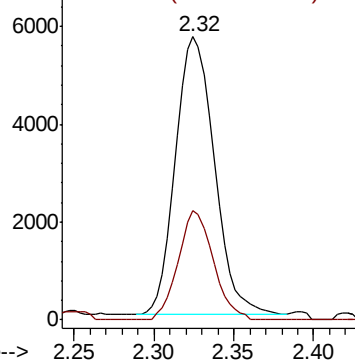
43 100

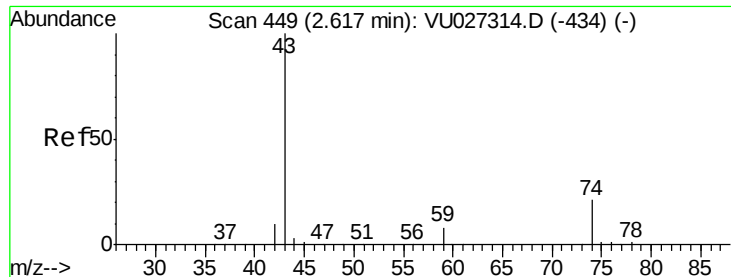
58 39.2 24.2 36.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

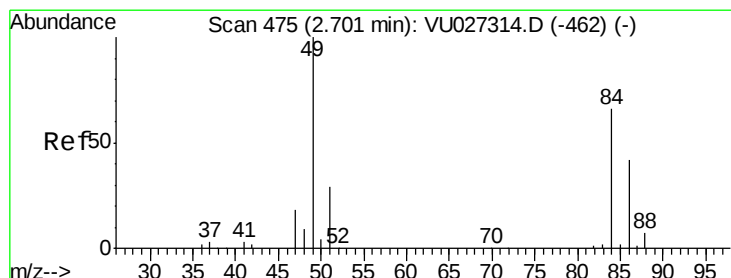
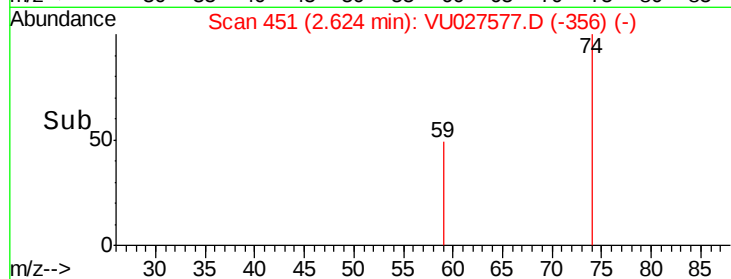
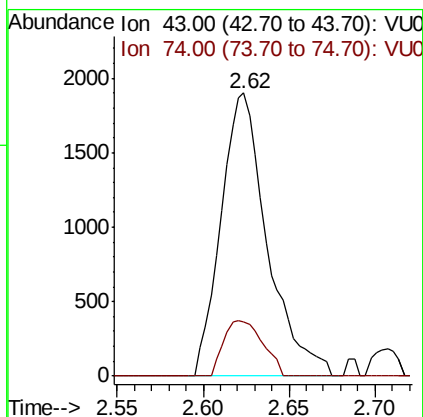
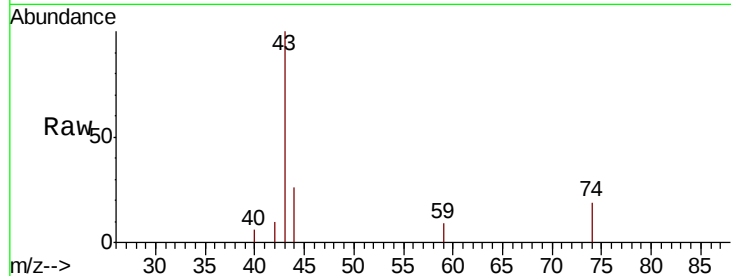




#18
Methyl Acetate
Concen: 0.997 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU027577.D
Acq: 10 Oct 2018 17:56

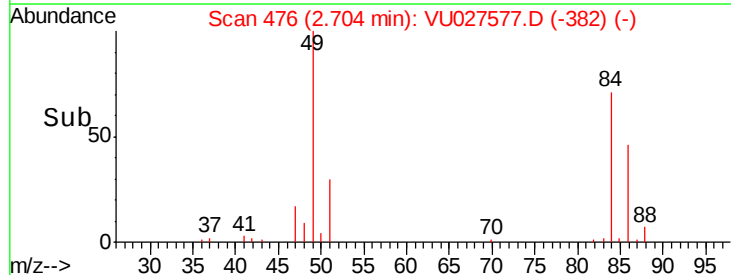
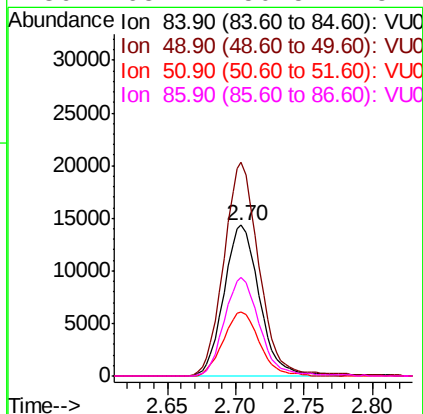
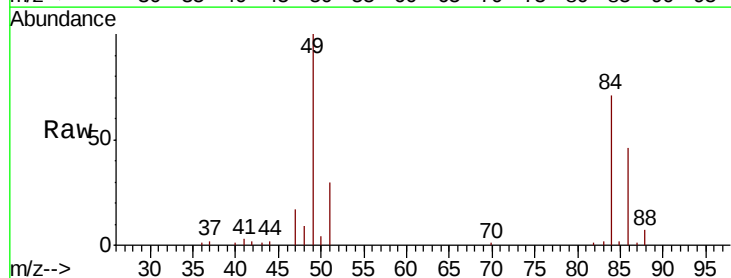
Instrument :
MSVOA_U
ClientSampleId :
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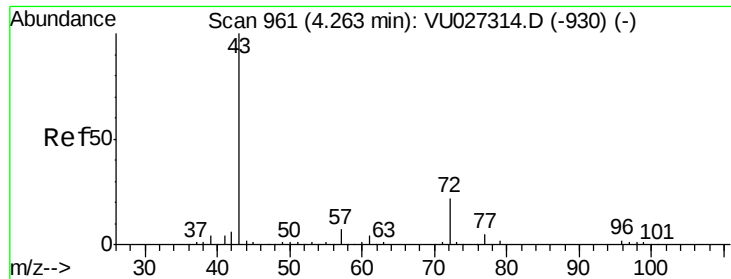
Tgt Ion: 43 Resp: 3567
Ion Ratio Lower Upper
43 100
74 16.6 16.5 24.7



#20
Methylene Chloride
Concen: 11.876 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027577.D
Acq: 10 Oct 2018 17:56

Tgt Ion: 84 Resp: 25946
Ion Ratio Lower Upper
84 100
49 141.8 120.5 180.7
51 42.5 35.1 52.7
86 65.4 50.5 75.7

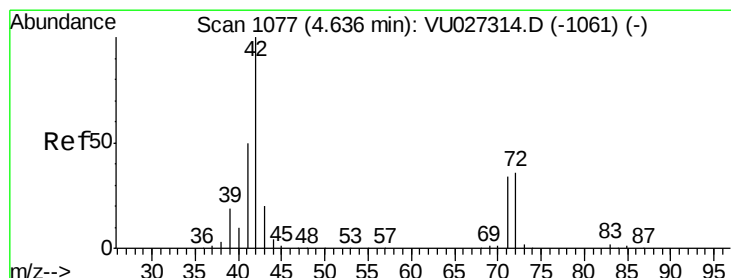
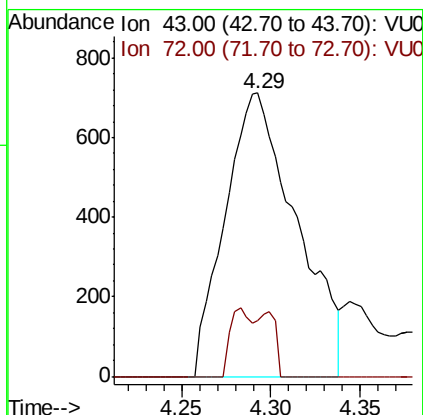
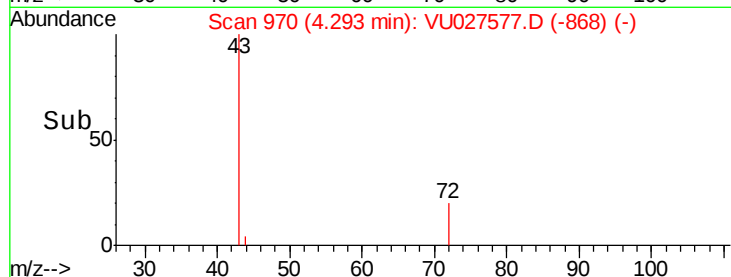
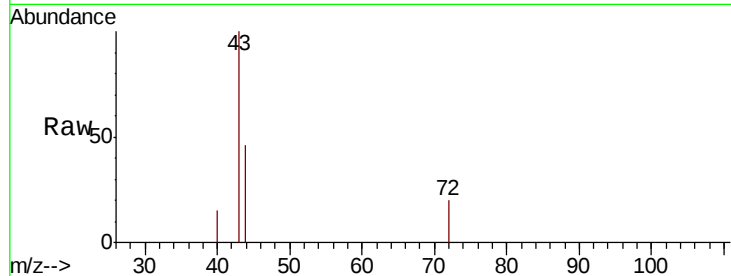




#25
2-Butanone
Concen: 0.923 ug/l
RT: 4.29 min Scan# 970
Delta R.T. 0.03 min
Lab File: VU027577.D
Acq: 10 Oct 2018 17:56

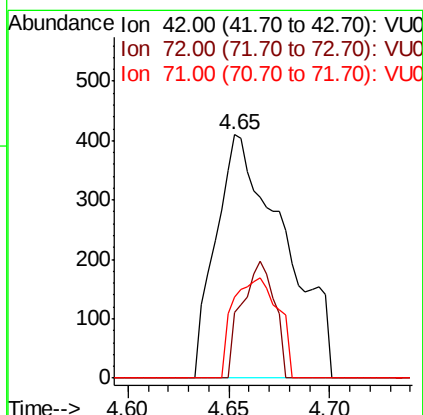
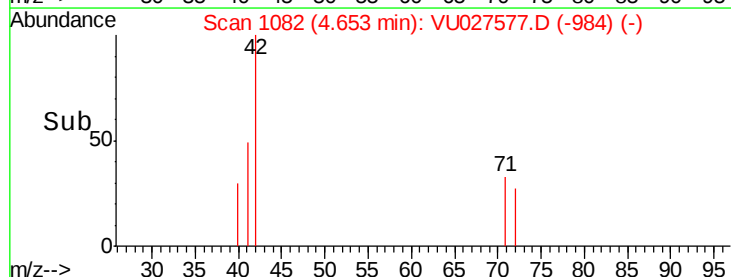
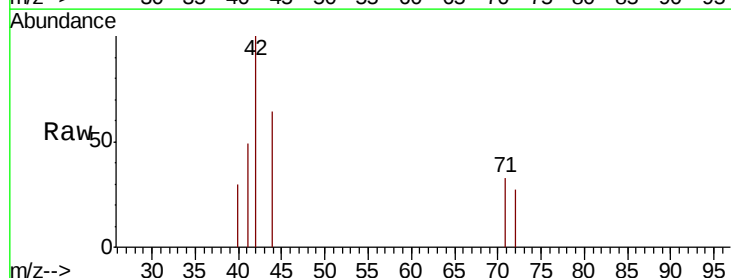
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MSVOA_U
ClientSampleId :
FL-PIT-6

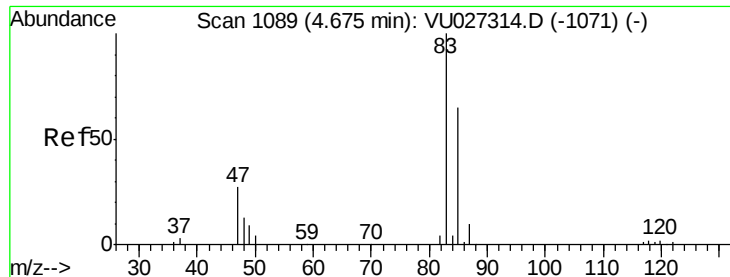
Tgt Ion: 43 Resp: 1975
Ion Ratio Lower Upper
43 100
72 19.7 17.8 26.6



#29
Tetrahydrofuran
Concen: 0.713 ug/l
RT: 4.65 min Scan# 1082
Delta R.T. 0.02 min
Lab File: VU027577.D
Acq: 10 Oct 2018 17:56

Tgt Ion: 42 Resp: 961
Ion Ratio Lower Upper
42 100
72 23.4 30.1 45.1#
71 27.6 27.7 41.5#

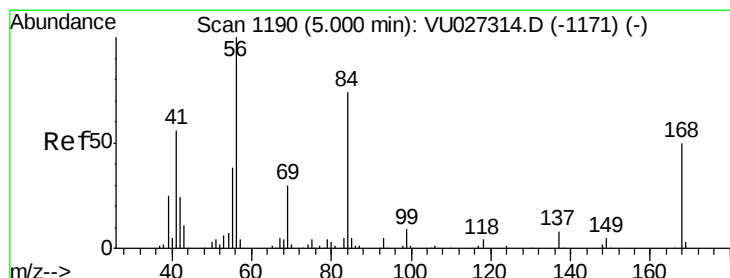
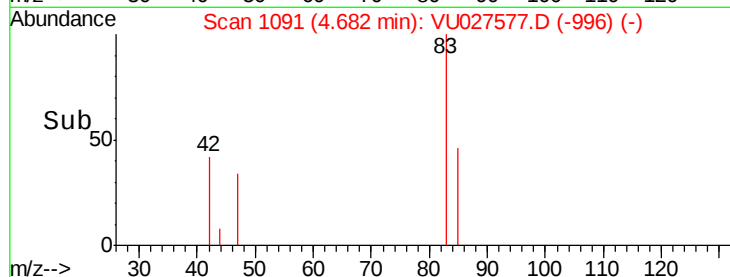
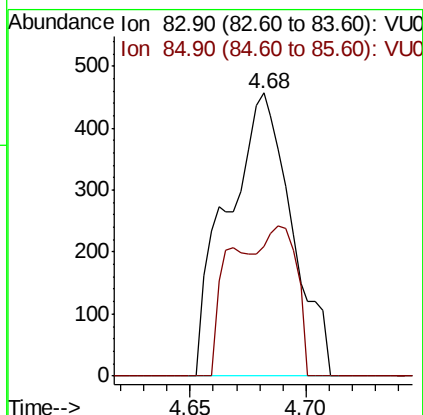
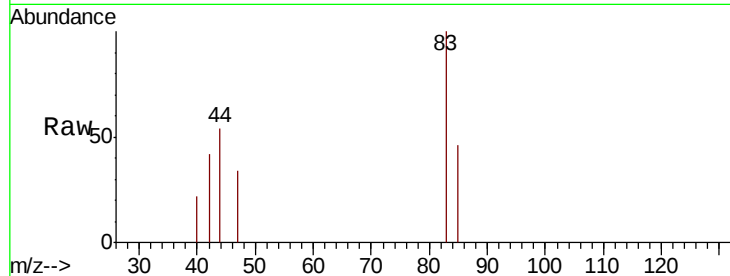




#30
Chloroform
Concen: 0.238 ug/l
RT: 4.68 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VU027577.D
Acq: 10 Oct 2018 17:56

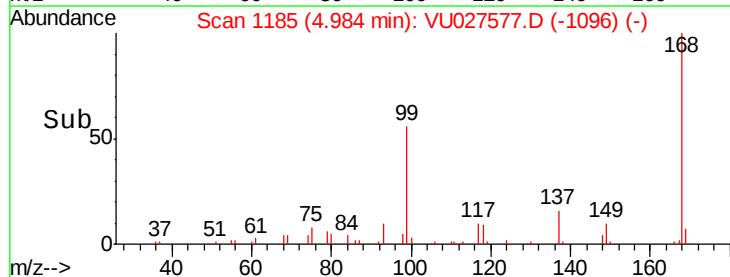
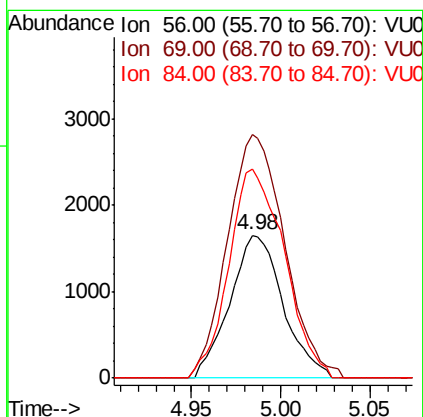
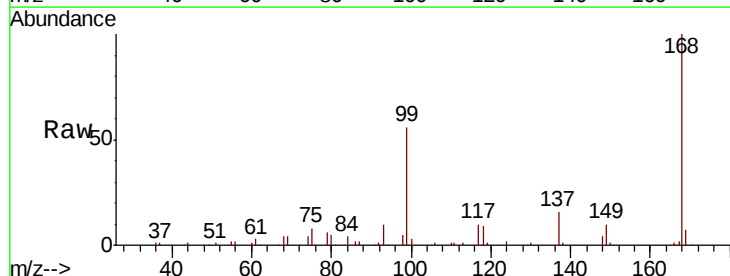
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MSVOA_U
ClientSampled :
FL-PIT-6

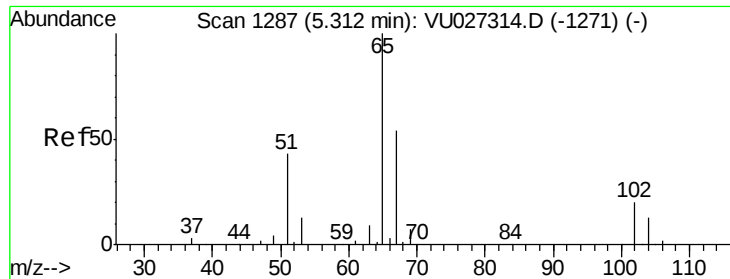
Tgt Ion: 83 Resp: 882
Ion Ratio Lower Upper
83 100
85 46.0 51.8 77.6#



#31
Cyclohexane
Concen: 0.573 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027577.D
Acq: 10 Oct 2018 17:56

Tgt Ion: 56 Resp: 3440
Ion Ratio Lower Upper
56 100
69 170.9 24.1 36.1#
84 146.7 59.1 88.7#

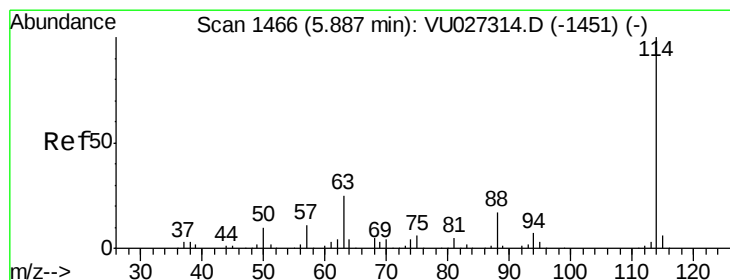
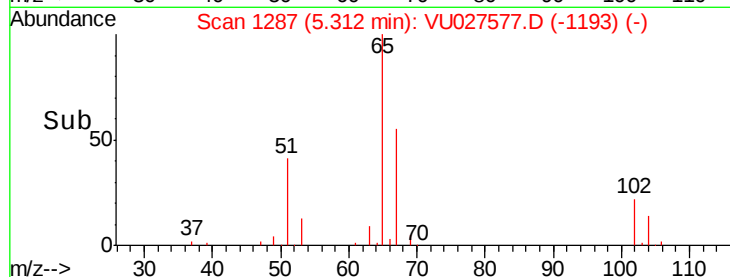
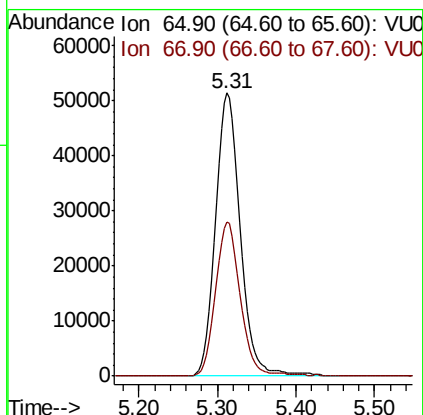
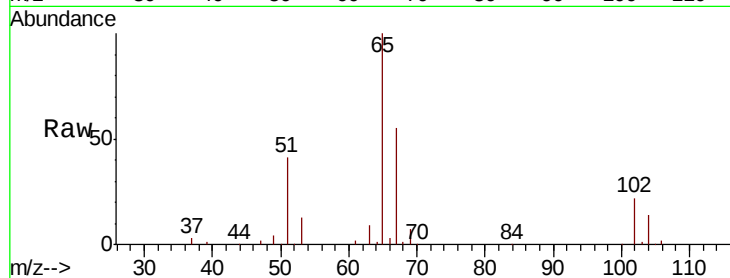




#33
 1,2-Dichloroethane-d4
 Concen: 42.109 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027577.D
 Acq: 10 Oct 2018 17:56

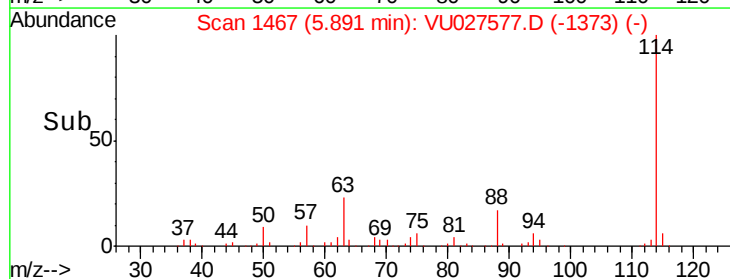
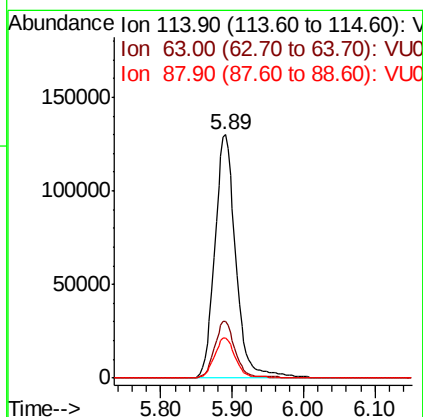
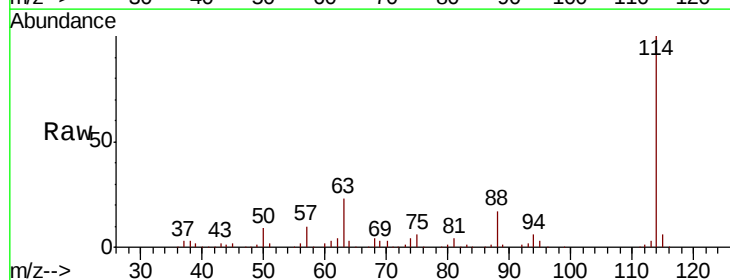
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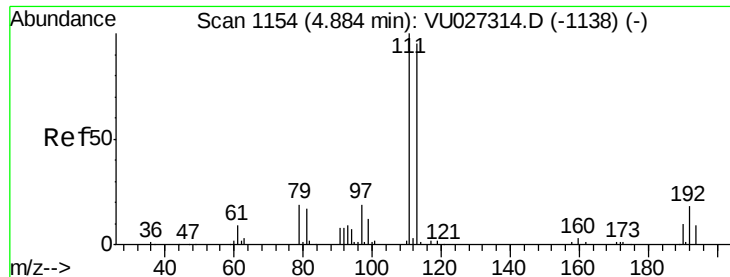
Tgt Ion: 65 Resp: 111797
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027577.D
 Acq: 10 Oct 2018 17:56

Tgt Ion: 114 Resp: 265577
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 50.2
 88 16.6 0.0 33.8

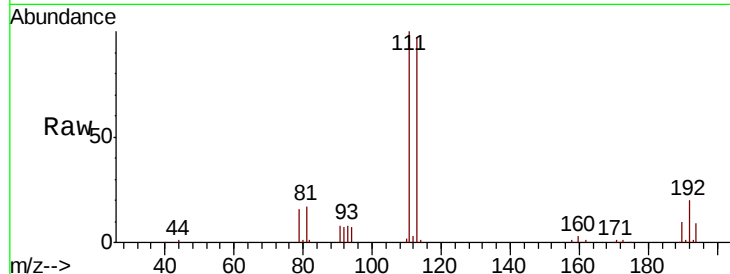




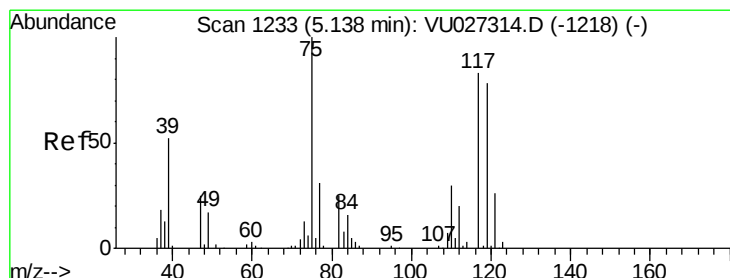
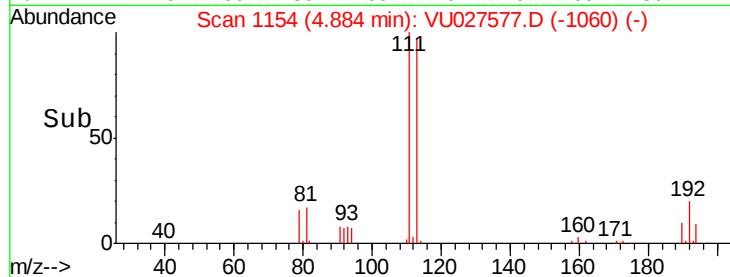
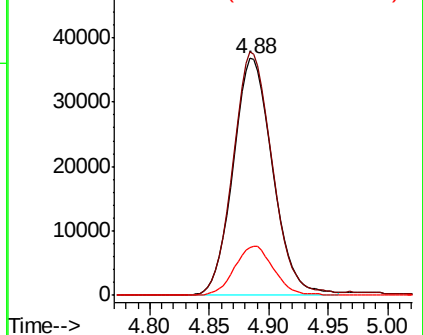
#35
 Dibromofluoromethane
 Concen: 46.652 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027577.D
 Acq: 10 Oct 2018 17:56

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-PIT-6

Tgt Ion:113 Resp: 84910
 Ion Ratio Lower Upper
 113 100
 111 101.9 83.1 124.7
 192 20.6 15.4 23.0

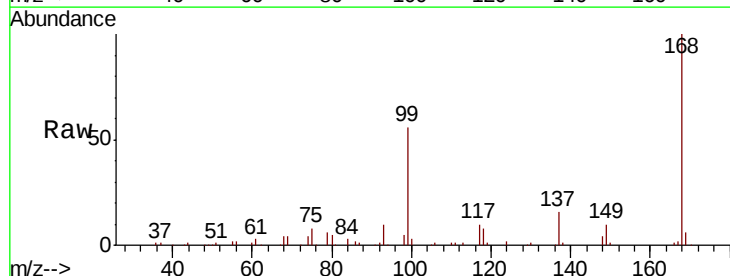


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

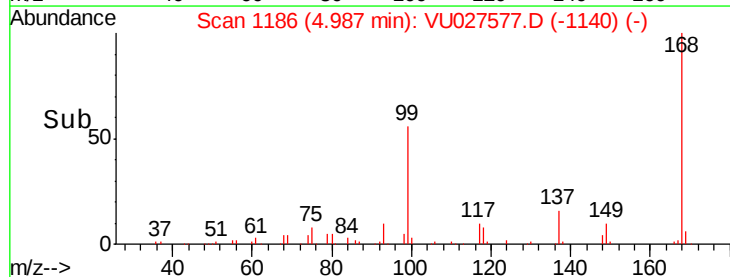
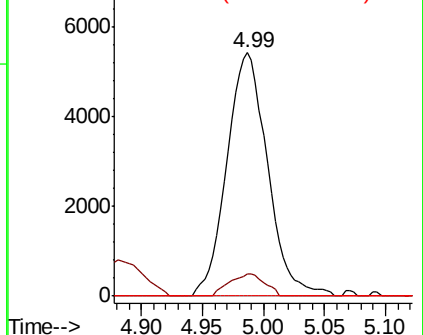


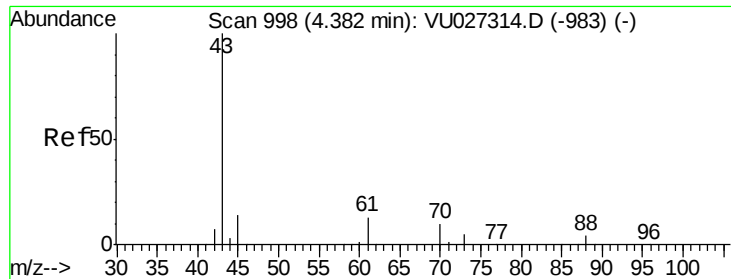
#36
 1,1-Dichloropropene
 Concen: 4.363 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027577.D
 Acq: 10 Oct 2018 17:56

Tgt Ion: 75 Resp: 12582
 Ion Ratio Lower Upper
 75 100
 110 7.9 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

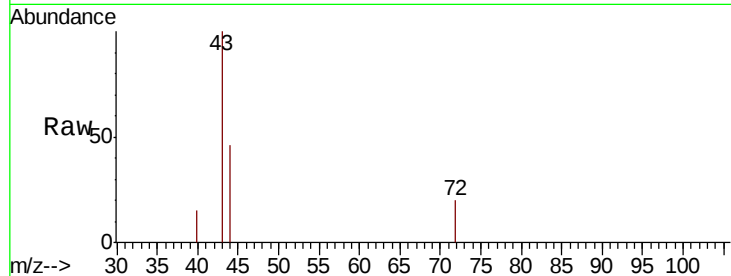




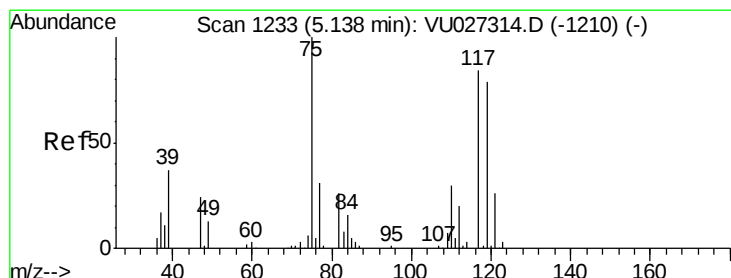
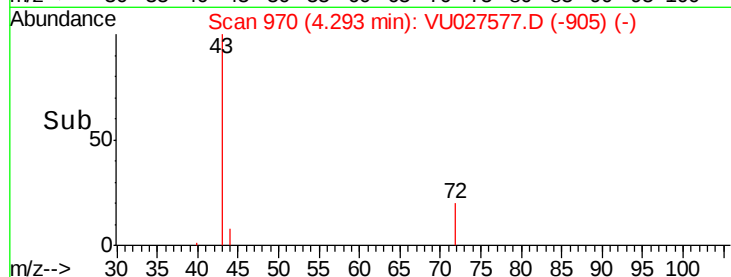
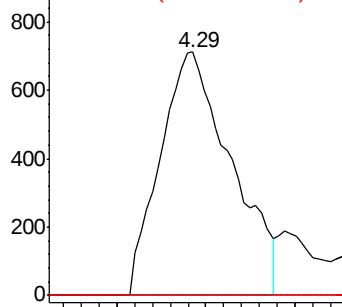
#37
 Ethyl Acetate
 Concen: 0.530 ug/l
 RT: 4.29 min Scan# 970
 Delta R.T. -0.09 min
 Lab File: VU027577.D
 Acq: 10 Oct 2018 17:56

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-PIT-6

Tgt Ion: 43 Resp: 1975
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.7 16.1#
 70 0.0 7.4 11.2#

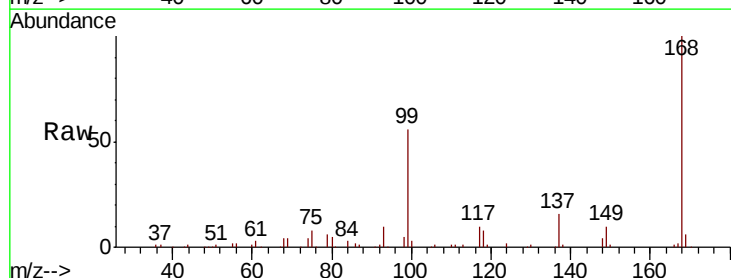


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 70.00 (69.70 to 70.70): VU0

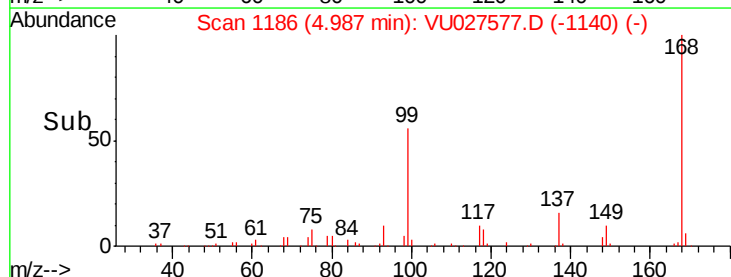
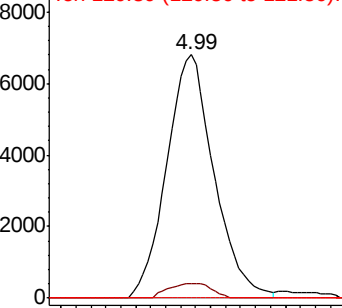


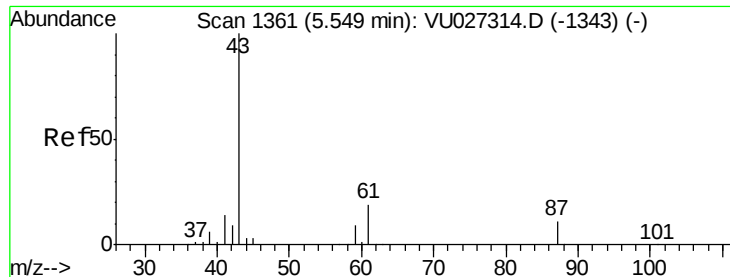
#38
 Carbon Tetrachloride
 Concen: 5.751 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027577.D
 Acq: 10 Oct 2018 17:56

Tgt Ion: 117 Resp: 14981
 Ion Ratio Lower Upper
 117 100
 119 5.9 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





#43

Isopropyl Acetate

Concen: 21.377 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027577.D

Acq: 10 Oct 2018 17:56

Instrument :

MSVOA_U

ClientSampleId :

FL-PIT-6

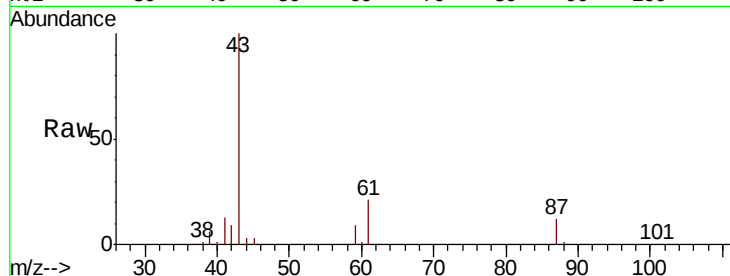
Tgt Ion: 43 Resp: 123729

Ion Ratio Lower Upper

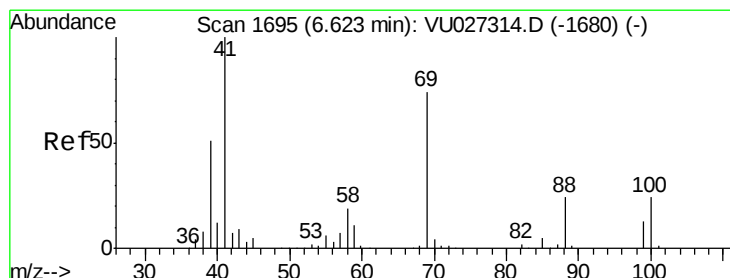
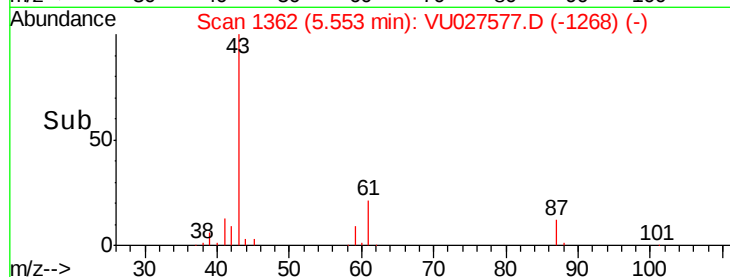
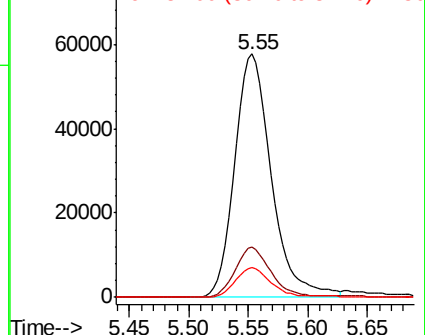
43 100

61 19.9 15.3 22.9

87 12.2 8.6 13.0



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



#48

Methyl methacrylate

Concen: 3.987 ug/l

RT: 6.71 min Scan# 1722

Delta R.T. 0.09 min

Lab File: VU027577.D

Acq: 10 Oct 2018 17:56

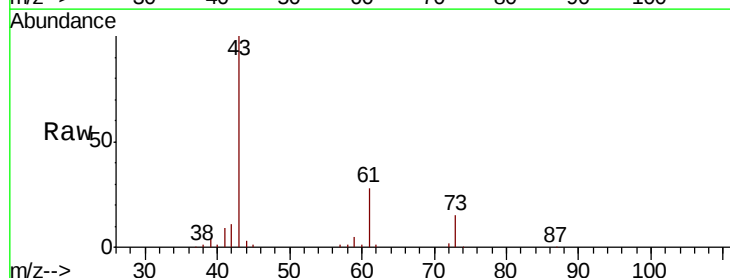
Tgt Ion: 41 Resp: 11475

Ion Ratio Lower Upper

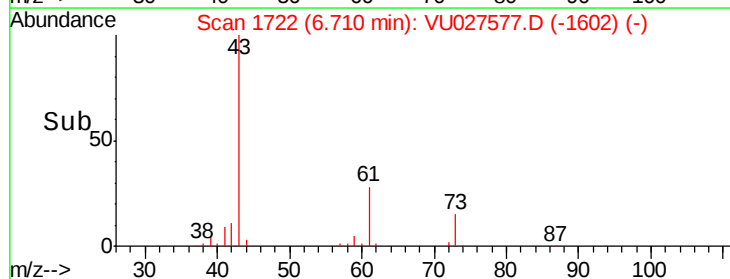
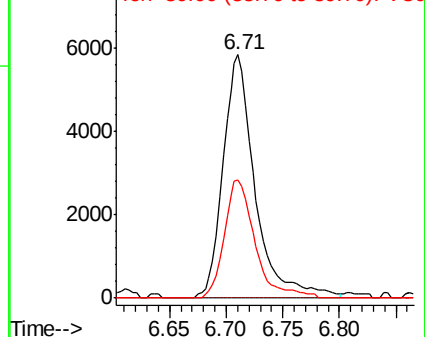
41 100

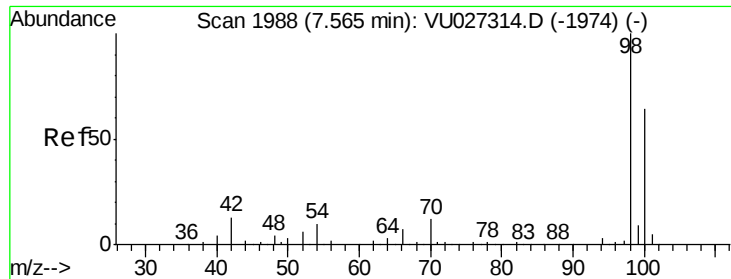
69 0.0 61.0 91.4#

39 46.7 39.9 59.9



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

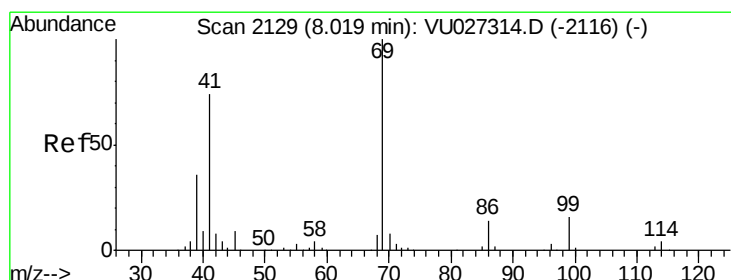
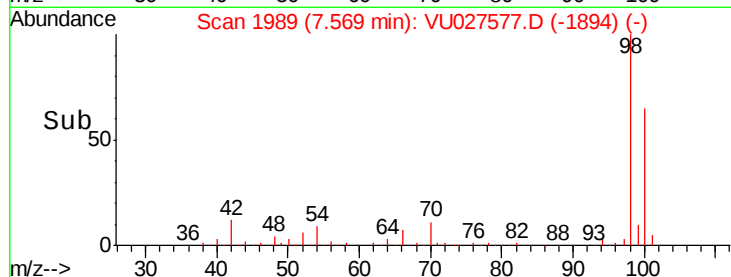
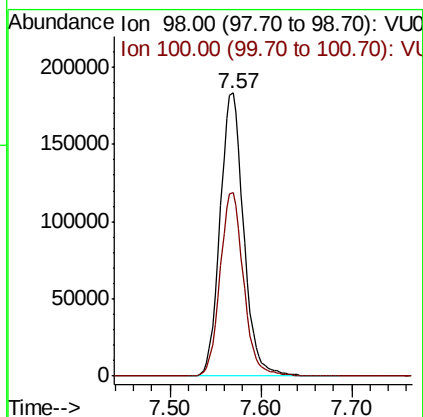
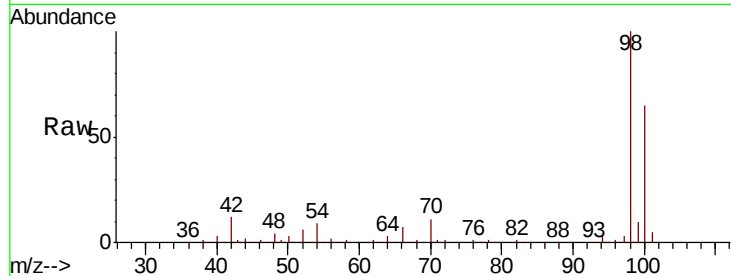




#50
Toluene-d8
Concen: 48.456 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027577.D
Acq: 10 Oct 2018 17:56

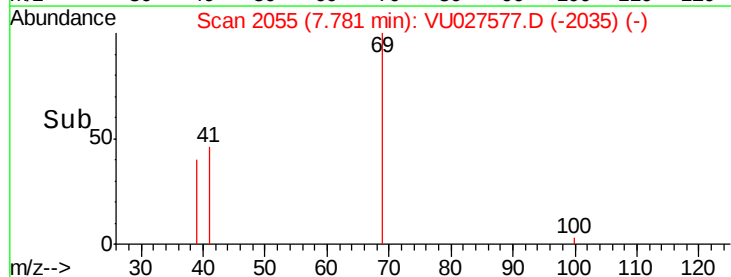
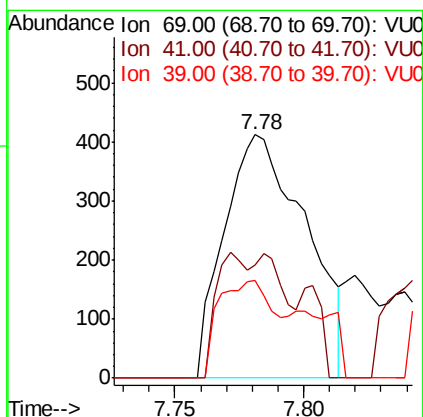
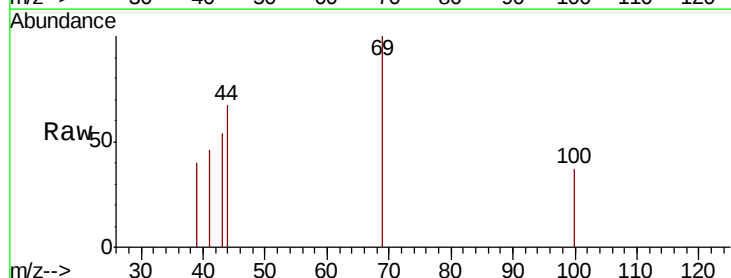
Instrument :
MSVOA_U
ClientSampleId :
FL-PIT-6

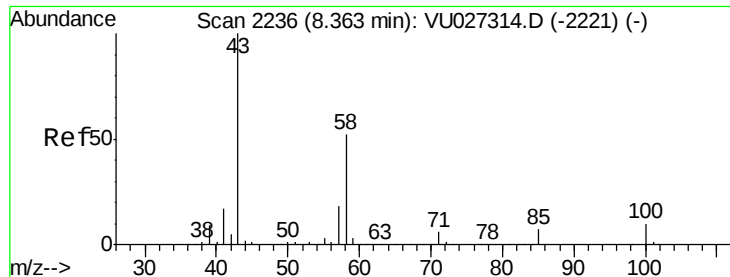
Tgt Ion: 98 Resp: 330085
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



#56
Ethyl methacrylate
Concen: 2.501 ug/l
RT: 7.78 min Scan# 2055
Delta R.T. -0.24 min
Lab File: VU027577.D
Acq: 10 Oct 2018 17:56

Tgt Ion: 69 Resp: 908
Ion Ratio Lower Upper
69 100
41 19.7 60.0 90.0#
39 26.4 29.5 44.3#

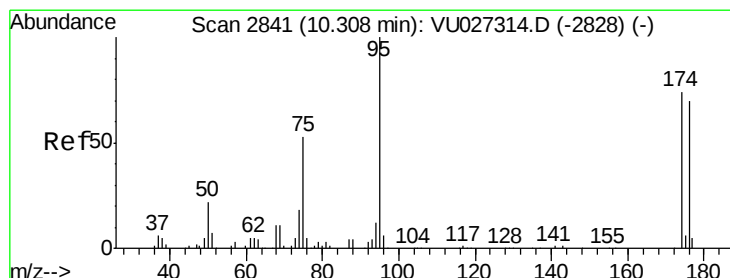
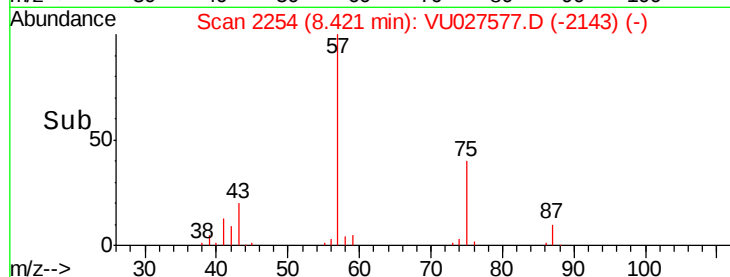
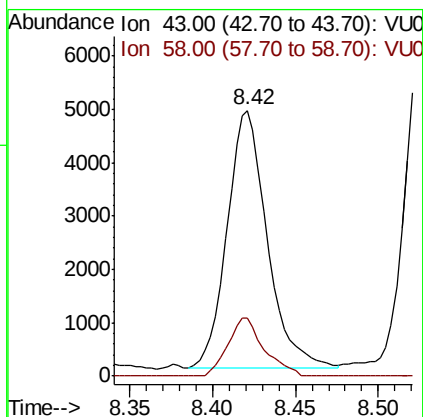
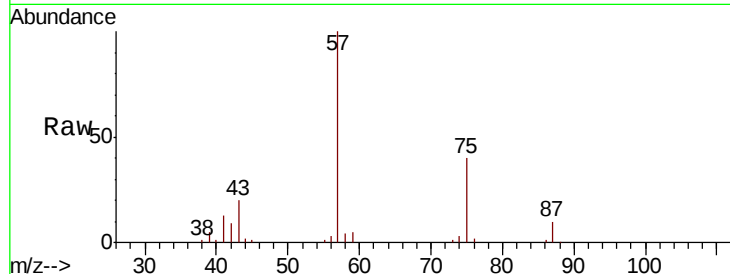




#59
2-Hexanone
Concen: 2.777 ug/l
RT: 8.42 min Scan# 2254
Delta R.T. 0.06 min
Lab File: VU027577.D
Acq: 10 Oct 2018 17:56

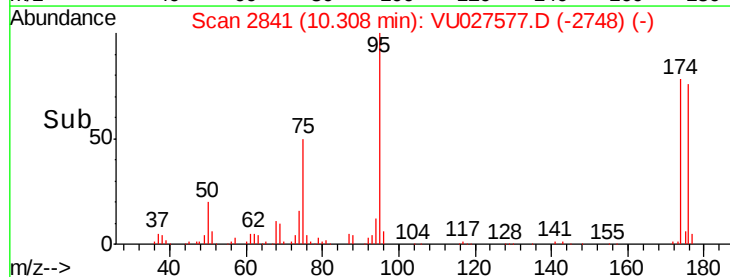
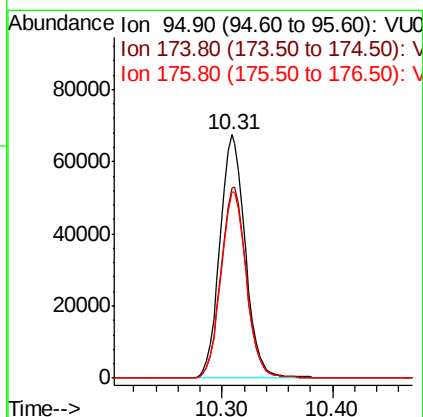
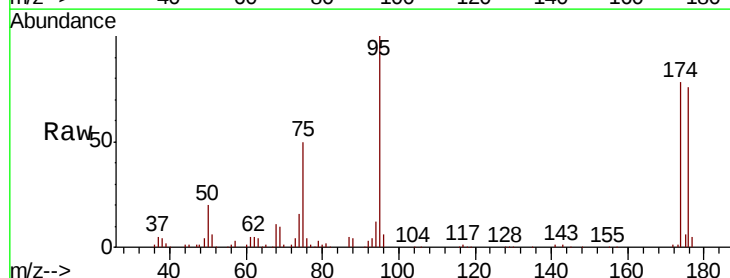
Instrument :
MSVOA_U
ClientSampleId :
FL-PIT-6

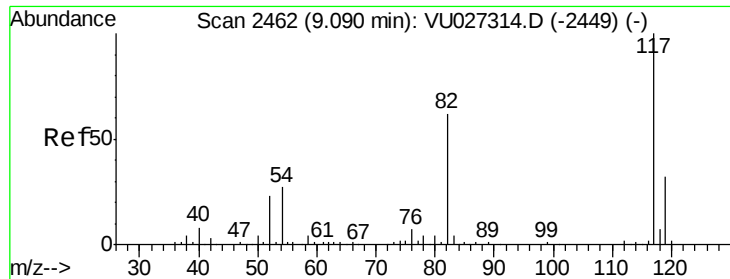
Tgt Ion: 43 Resp: 8101
Ion Ratio Lower Upper
43 100
58 20.5 26.1 78.3#



#62
4-Bromofluorobenzene
Concen: 42.444 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027577.D
Acq: 10 Oct 2018 17:56

Tgt Ion: 95 Resp: 107450
Ion Ratio Lower Upper
95 100
174 78.7 0.0 147.8
176 77.0 0.0 140.8

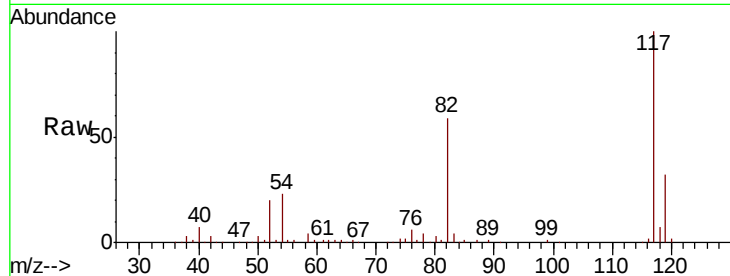




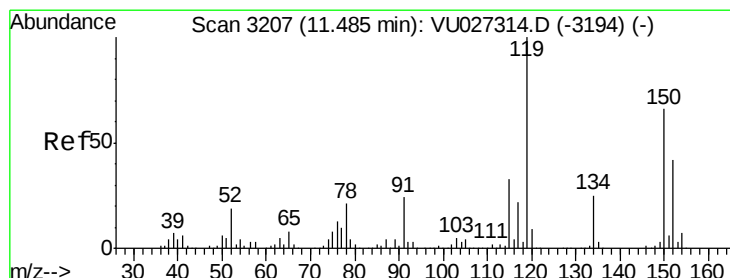
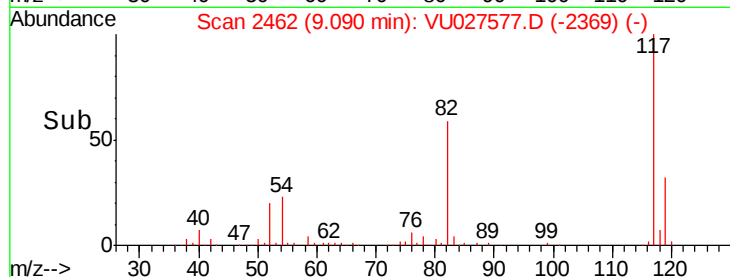
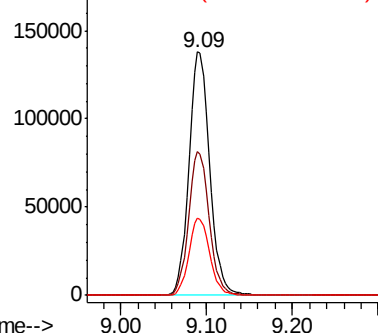
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027577.D
Acq: 10 Oct 2018 17:56

Instrument :
MSVOA_U
ClientSampleId :
FL-PIT-6

Tgt Ion:117 Resp: 232022
Ion Ratio Lower Upper
117 100
82 59.3 49.2 73.8
119 31.8 25.7 38.5

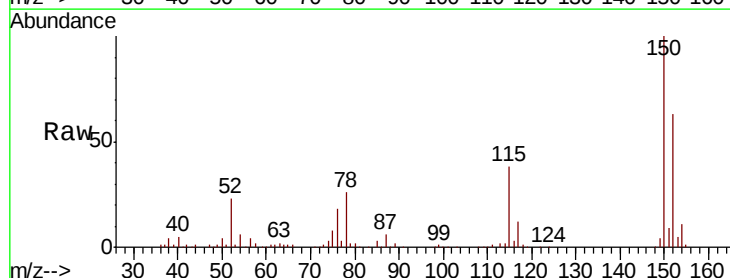


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU027314.D (-2449) (-)
Ion 118.90 (118.60 to 119.60): V

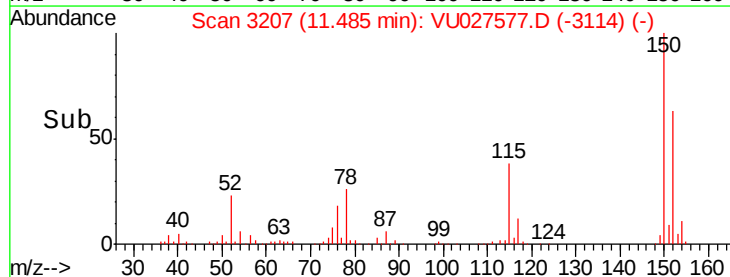
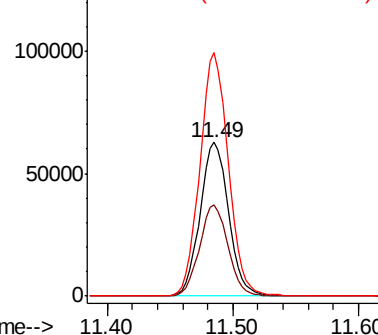


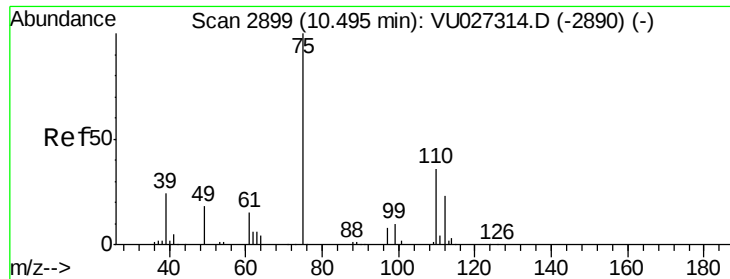
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027577.D
Acq: 10 Oct 2018 17:56

Tgt Ion:152 Resp: 98933
Ion Ratio Lower Upper
152 100
115 59.3 43.4 130.2
150 158.0 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): VU027314.D (-3194) (-)
Ion 149.90 (149.60 to 150.60): V

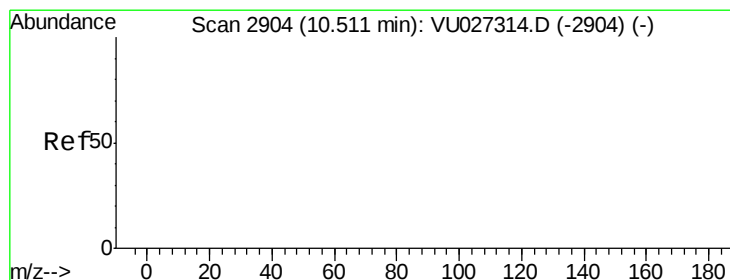
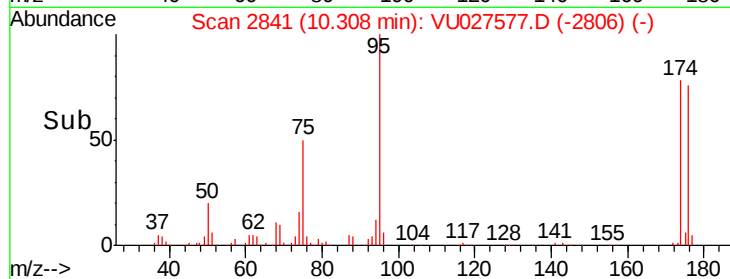
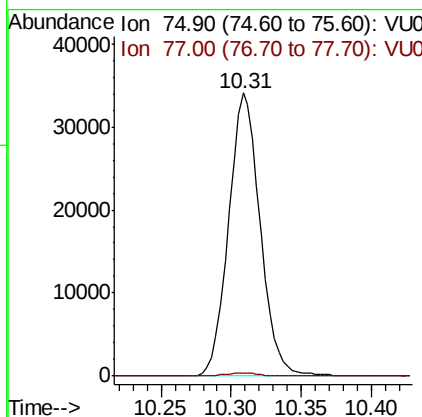
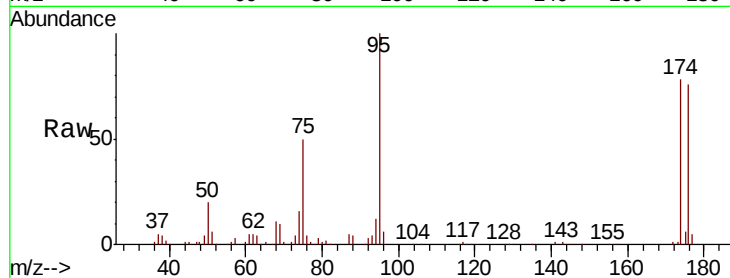




#76
 1,2,3-Trichloropropane
 Concen: 20.785 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027577.D
 Acq: 10 Oct 2018 17:56

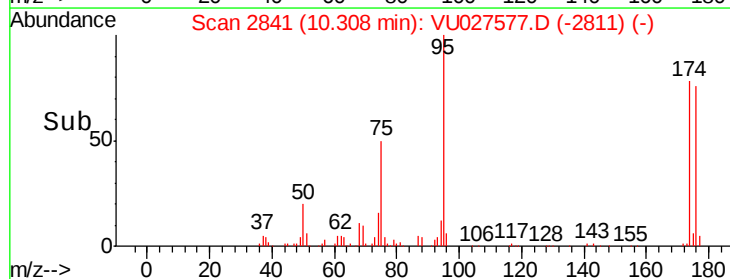
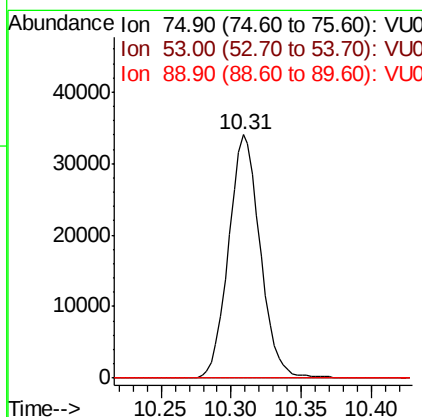
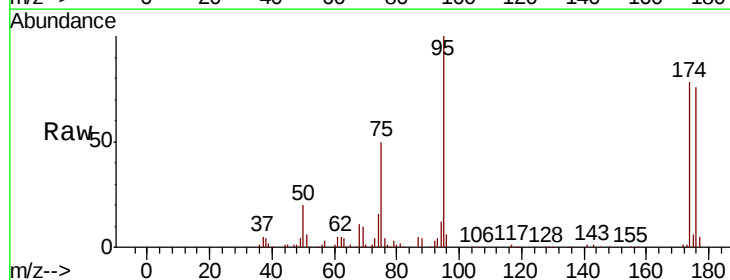
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-PIT-6

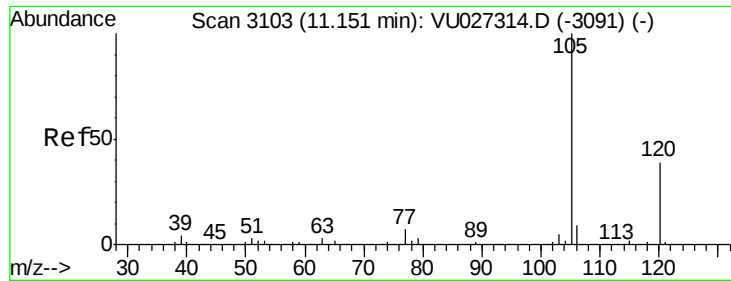
Tgt Ion: 75 Resp: 53305
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.3 60.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.397 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.20 min
 Lab File: VU027577.D
 Acq: 10 Oct 2018 17:56

Tgt Ion: 75 Resp: 53305
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

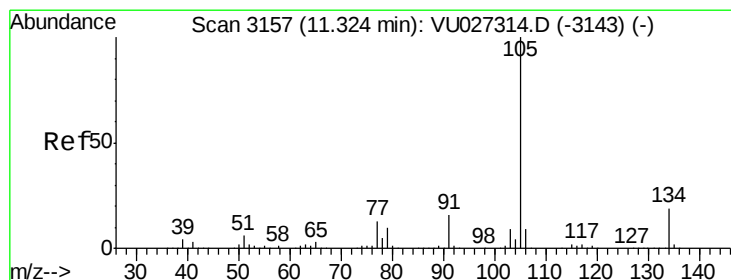
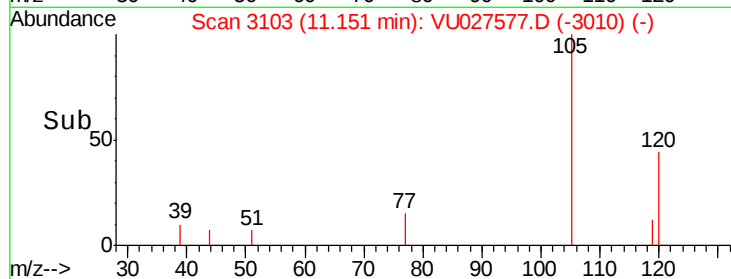
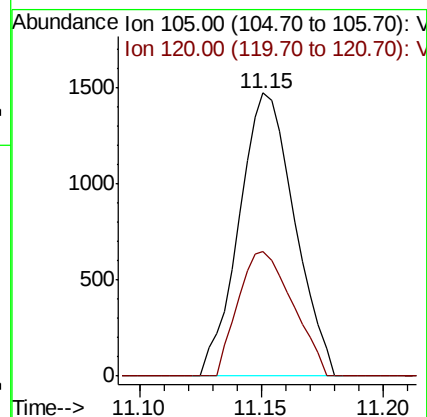
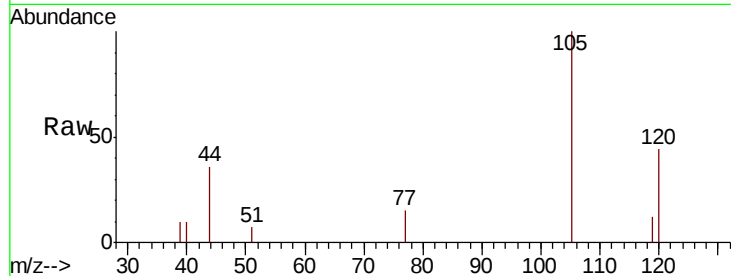




#84
 1,2,4-Trimethylbenzene
 Concen: 0.387 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027577.D
 Acq: 10 Oct 2018 17:56

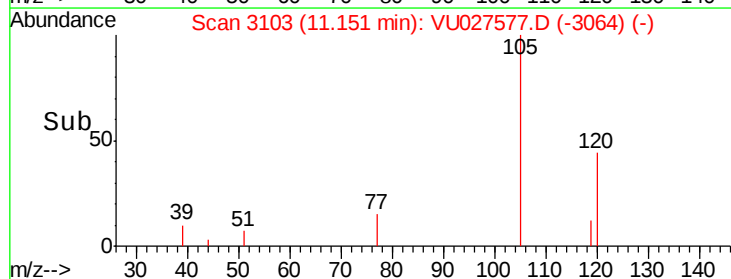
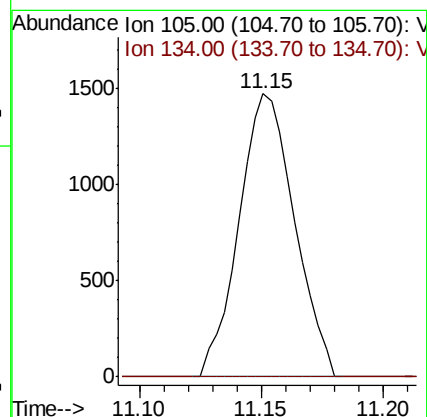
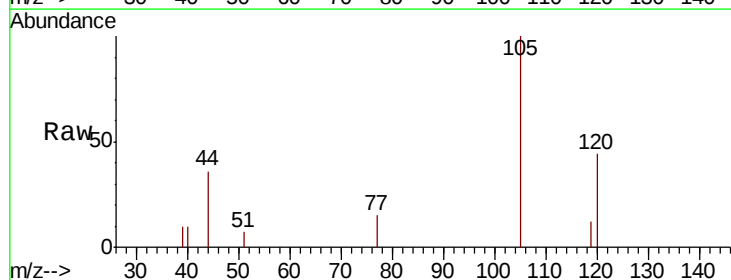
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-PIT-6

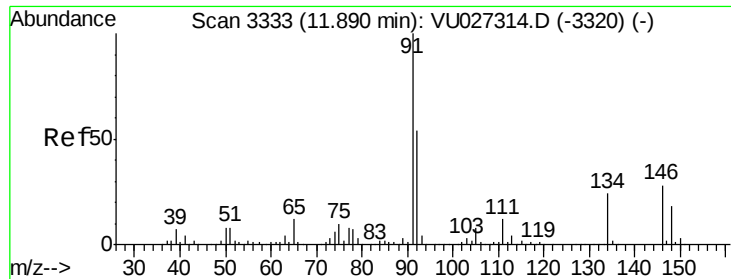
Tgt Ion:105 Resp: 2315
 Ion Ratio Lower Upper
 105 100
 120 43.3 22.1 66.5



#85
 sec-Butylbenzene
 Concen: 0.325 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. -0.17 min
 Lab File: VU027577.D
 Acq: 10 Oct 2018 17:56

Tgt Ion:105 Resp: 2315
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.6#

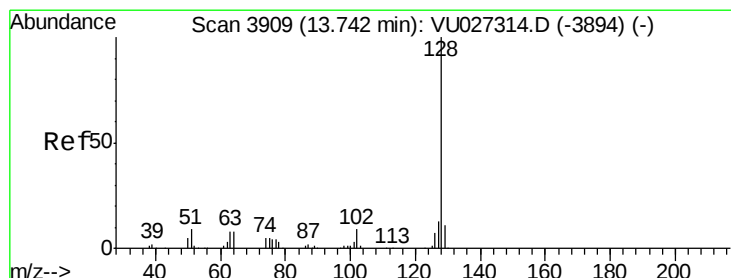
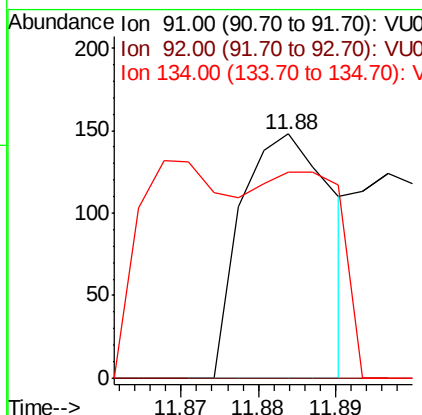
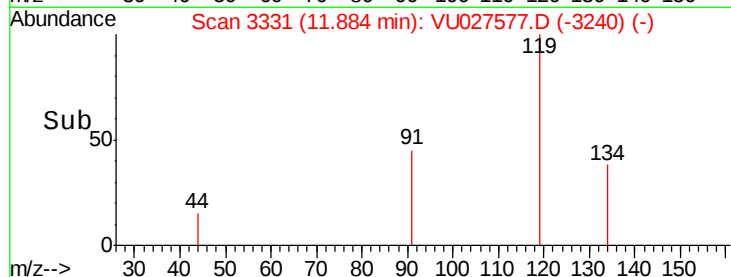
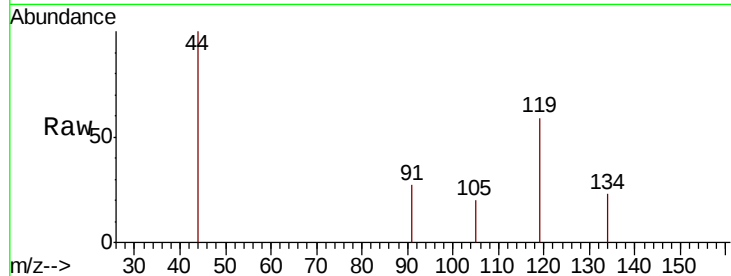




#89
n-Butylbenzene
Concen: 1.967 ug/l
RT: 11.88 min Scan# 3331
Delta R.T. -0.01 min
Lab File: VU027577.D
Acq: 10 Oct 2018 17:56

Instrument :
MSVOA_U
ClientSampleId :
FL-PIT-6

Tgt Ion: 91 Resp: 121
Ion Ratio Lower Upper
91 100
92 0.0 27.0 81.0#
134 93.4 11.7 35.1#



#95
Naphthalene
Concen: 4.588 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027577.D
Acq: 10 Oct 2018 17:56

Tgt Ion: 128 Resp: 22652
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.5 8.6 12.8

