

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100118\
 Data File : VU027323.D
 Acq On : 01 Oct 2018 17:13
 Operator : MD/SY
 Sample : J4870-01DL 2X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-VOA-WPDL

Quant Time: Oct 02 07:51:44 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	116775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	202451	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	187757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	88977	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	95501	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
35) Dibromofluoromethane	4.89	113	67632	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
50) Toluene-d8	7.57	98	263931	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	10.31	95	90436	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1208	0.530	ug/l	93
4) Vinyl Chloride	1.40	62	47485	22.162	ug/l	100
5) Bromomethane	1.63	94	24639	26.576	ug/l	97
6) Chloroethane	1.70	64	19526	15.166	ug/l	99
10) Methyl Iodide	2.41	142	2567	10.265	ug/l	95
16) Acetone	2.32	43	66728	57.926	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	237182	47.989	ug/l	98
20) Methylene Chloride	2.70	84	22377	13.945	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	14939	10.787	ug/l	99
24) 1,1-Dichloroethane	3.45	63	77880	25.446	ug/l	100
25) 2-Butanone	4.26	43	145116	92.380	ug/l	100
30) Chloroform	4.68	83	69431	25.534	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	18262	7.974	ug/l	98
40) Benzene	5.39	78	245213	38.297	ug/l	100
44) Trichloroethene	6.19	130	45807	32.083	ug/l	99
45) 1,2-Dichloropropane	6.43	63	78106	42.292	ug/l	97
46) Dibromomethane	6.56	93	61190	58.664	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	198079	69.086	ug/l	99
52) Toluene	7.64	92	92591	24.431	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	138901	50.916	ug/l	100
59) 2-Hexanone	8.37	43	135398	60.878	ug/l	99
60) Dibromochloromethane	8.48	129	48579	32.234	ug/l	98
61) 1,2-Dibromoethane	8.59	107	72249	45.223	ug/l	100
64) Tetrachloroethene	8.23	164	31383	26.850	ug/l	99
65) Chlorobenzene	9.12	112	78800	19.939	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	91756	67.253	ug/l	99
67) Ethyl Benzene	9.25	91	53386	7.624	ug/l	99
68) m/p-Xylenes	9.38	106	47229	18.440	ug/l	99
69) o-Xylene	9.78	106	93363	38.359	ug/l	99
70) Styrene	9.79	104	229683	50.461	ug/l	97
71) Bromoform	9.96	173	46662	42.509	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	172025	67.794	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	149851	64.969	ug/l	86
80) 1,3,5-Trimethylbenzene	10.77	105	133080	25.294	ug/l	100

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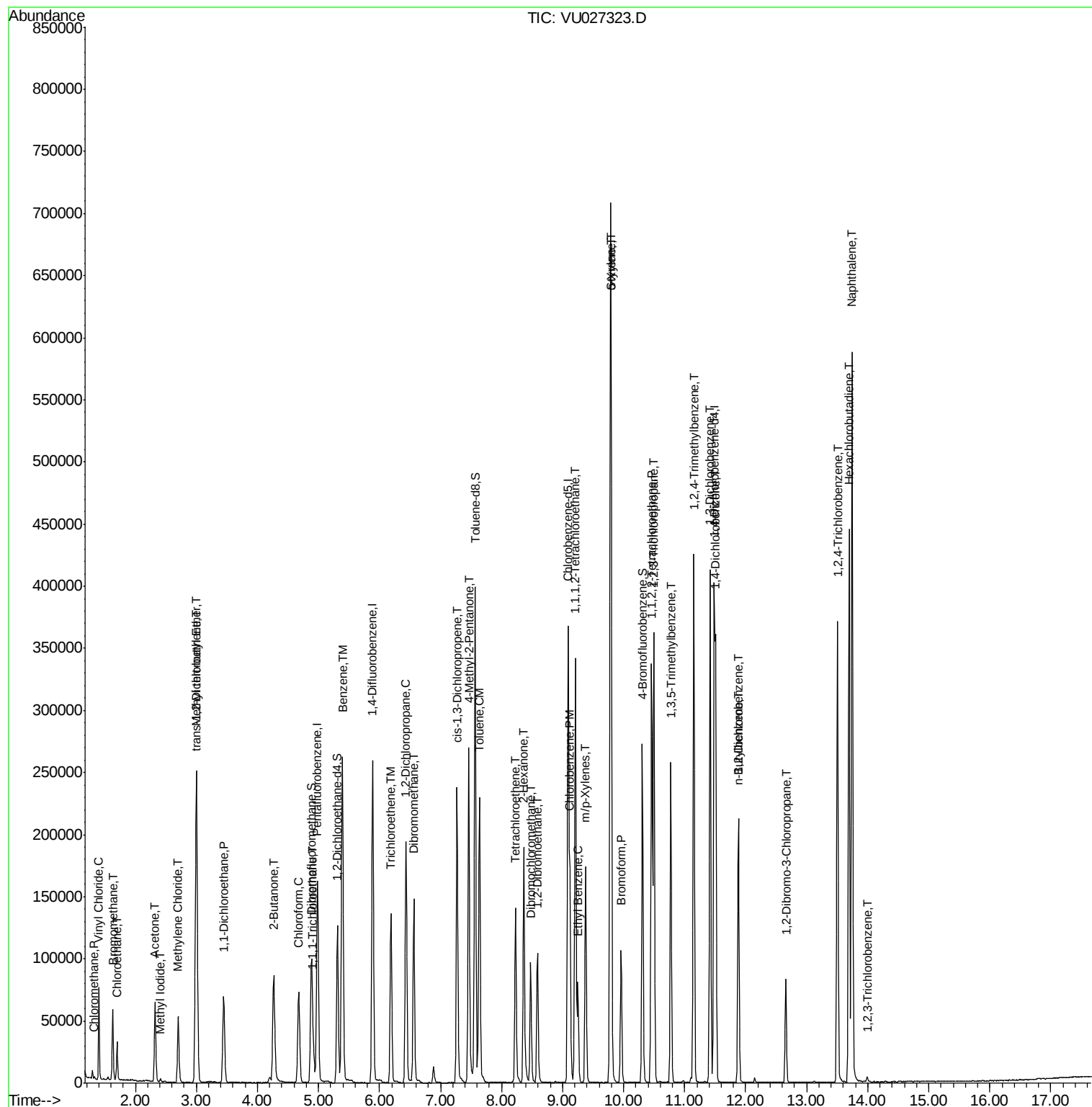
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	11.15	105	223591	41.603	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	155614	54.720	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	119787	41.220	ug/l	99
89) n-Butylbenzene	11.89	91	1535	2.203	ug/l	87
91) 1,2-Dichlorobenzene	11.88	146	80317	29.015	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	21528	38.281	ug/l	100
93) 1,2,4-Trichlorobenzene	13.50	180	107440	59.983	ug/l	100
94) Hexachlorobutadiene	13.69	225	77119	85.217	ug/l	99
95) Naphthalene	13.74	128	435675	64.275	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	1472	0.789	ug/l	95

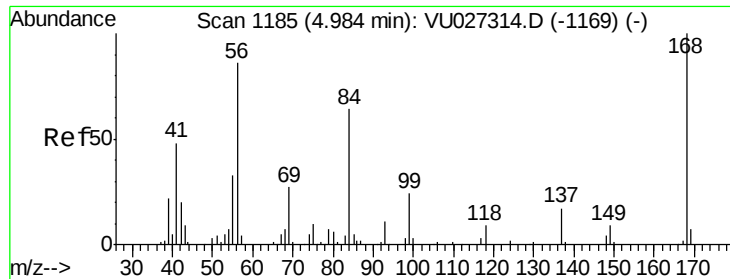
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027323.D

Acq: 01 Oct 2018 17:13

Instrument :

MSVOA_U

ClientSampleId :

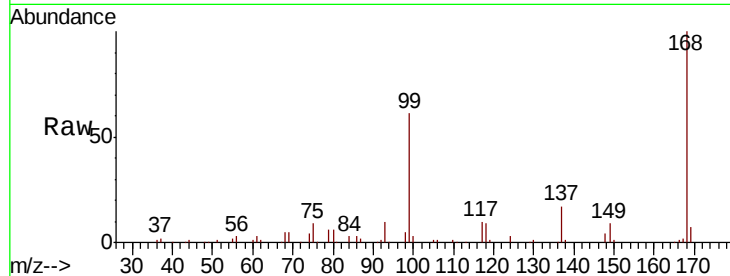
PT-VOA-WPDL

Tot Ion:168 Resp: 116775

Ion Ratio Lower Upper

168 100

99 60.6 50.8 76.2



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

Ion 98.90 (98.60 to 99.60): VU027323.D (-1092) (-)

4.99

60000

50000

40000

30000

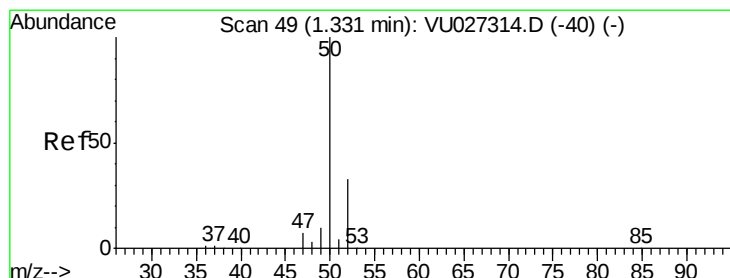
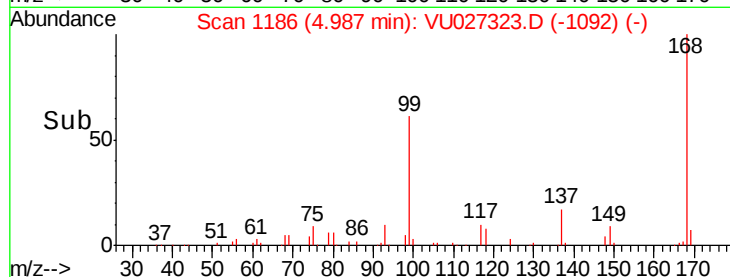
20000

10000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 0.530 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027323.D

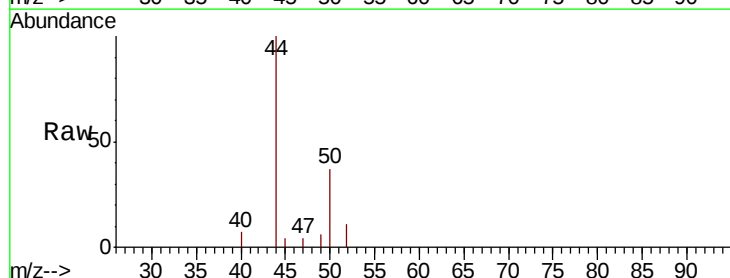
Acq: 01 Oct 2018 17:13

Tgt Ion: 50 Resp: 1208

Ion Ratio Lower Upper

50 100

52 28.9 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU027314.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU027323.D (-1) (-)

1.33

1200

1000

800

600

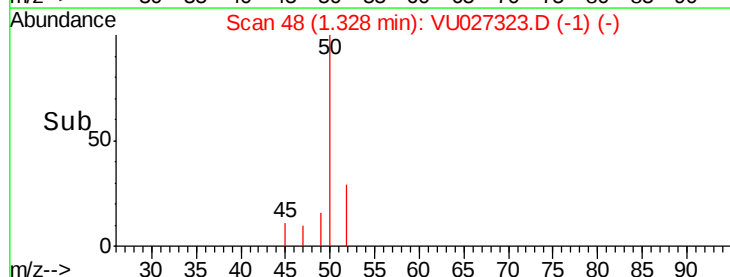
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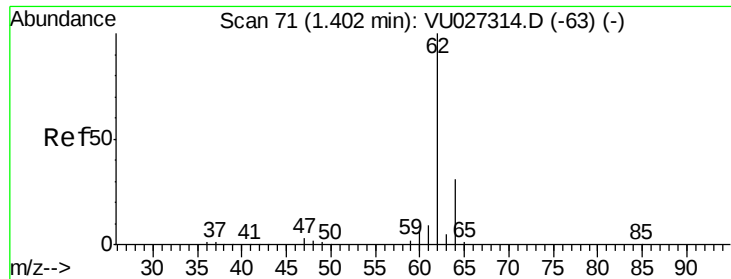
200

0

1.30 1.32 1.34 1.36

Time-->





#4

Vinyl Chloride

Concen: 22.162 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027323.D

Acq: 01 Oct 2018 17:13

Instrument :

MSVOA_U

ClientSampleId :

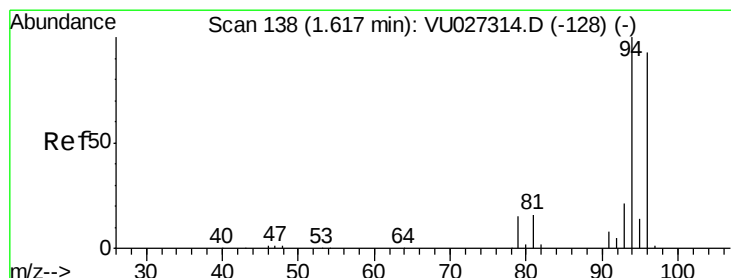
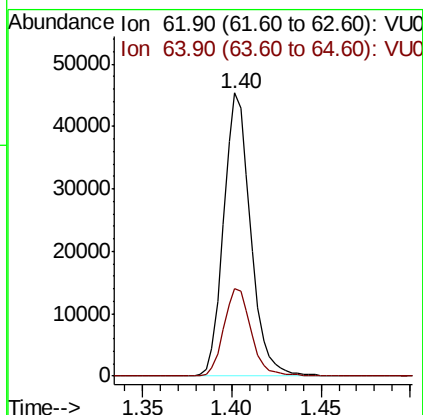
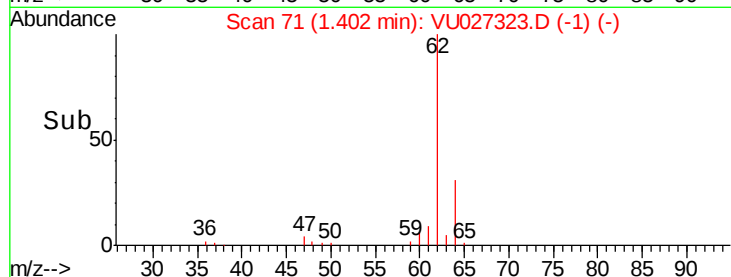
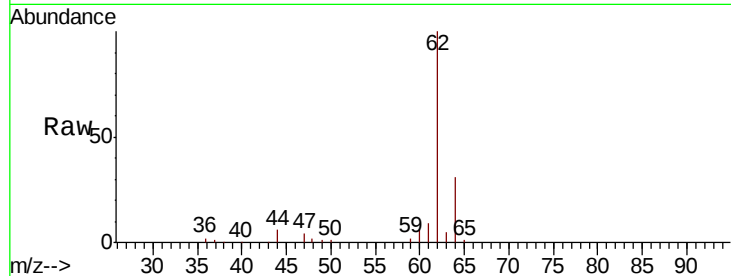
PT-VOA-WPDL

Tot Ion: 62 Resp: 47485

Ion Ratio Lower Upper

62 100

64 31.1 24.9 37.3



#5

Bromomethane

Concen: 26.576 ug/l

RT: 1.63 min Scan# 142

Delta R.T. 0.01 min

Lab File: VU027323.D

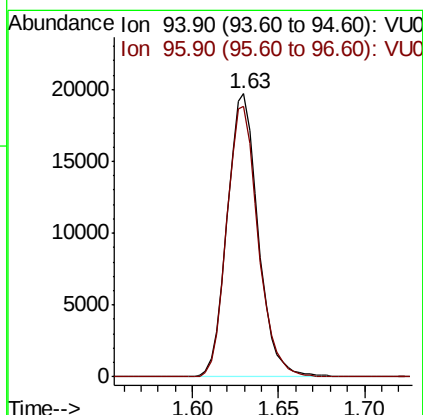
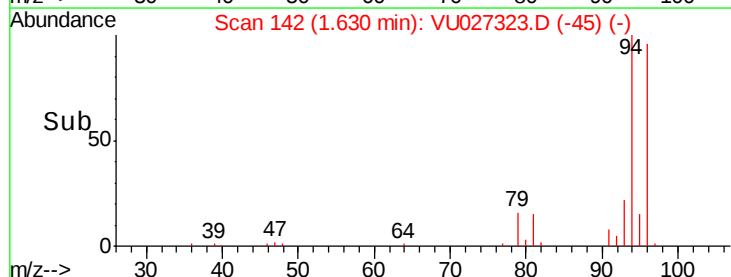
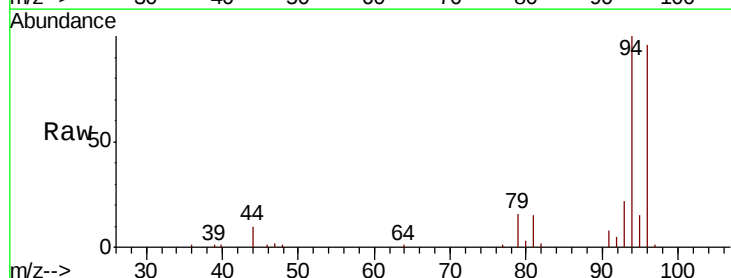
Acq: 01 Oct 2018 17:13

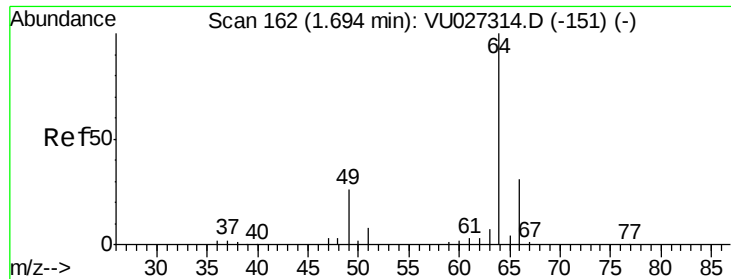
Tgt Ion: 94 Resp: 24639

Ion Ratio Lower Upper

94 100

96 95.7 74.6 111.8

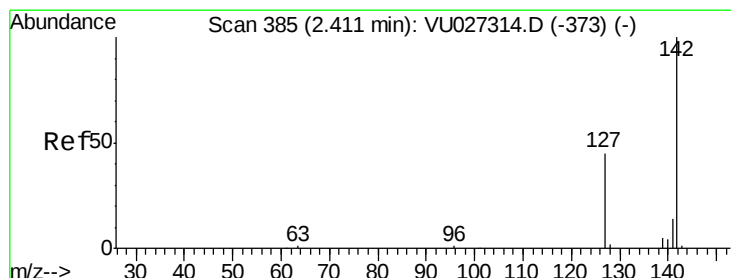
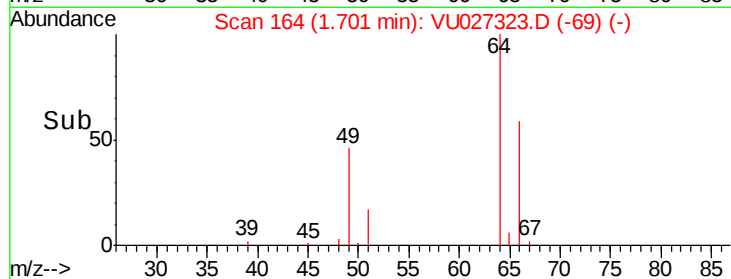
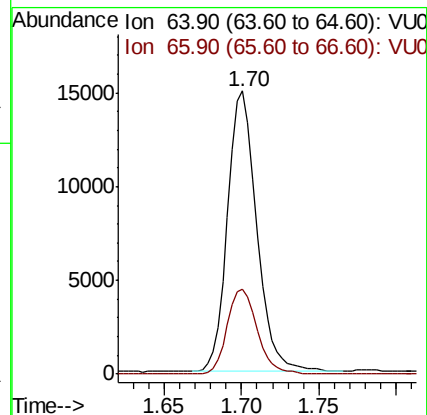
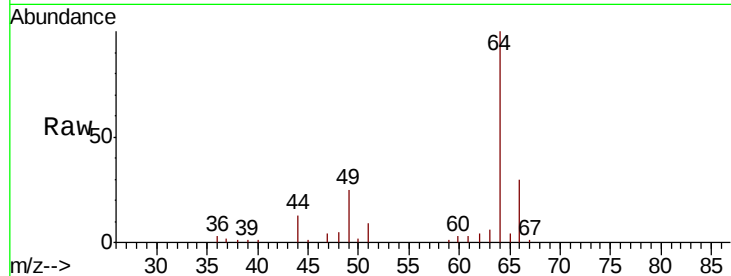




#6
 Chloroethane
 Concen: 15.166 ug/l
 RT: 1.70 min Scan# 164
 Delta R.T. 0.01 min
 Lab File: VU027323.D
 Acq: 01 Oct 2018 17:13

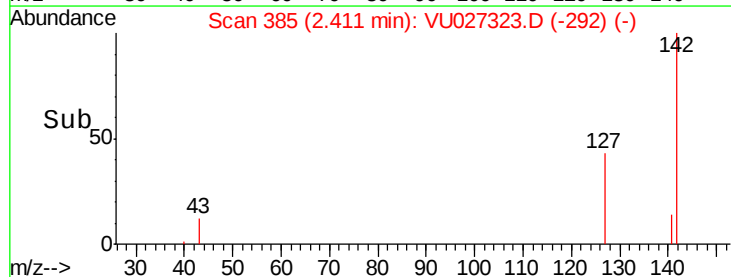
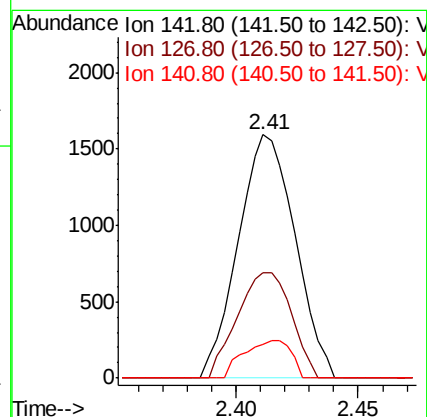
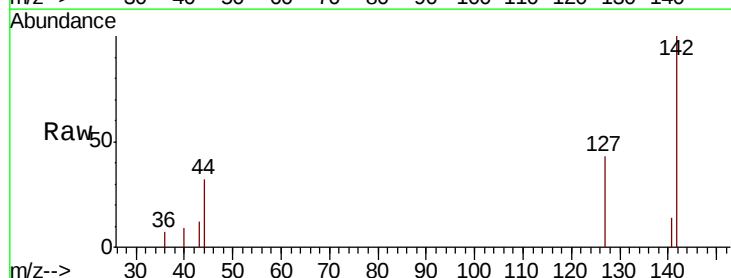
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-VOA-WPDL

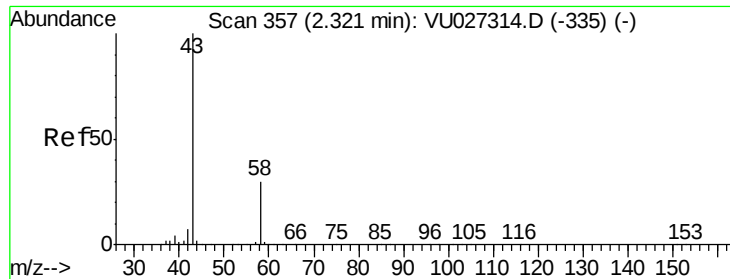
Tot Ion: 64 Resp: 19526
 Ion Ratio Lower Upper
 64 100
 66 30.3 24.6 36.8



#10
 Methyl Iodide
 Concen: 10.265 ug/l
 RT: 2.41 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VU027323.D
 Acq: 01 Oct 2018 17:13

Tgt Ion: 142 Resp: 2567
 Ion Ratio Lower Upper
 142 100
 127 41.5 36.3 54.5
 141 12.9 11.6 17.4





#16

Acetone

Concen: 57.926 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027323.D

Acq: 01 Oct 2018 17:13

Instrument :

MSVOA_U

ClientSampleId :

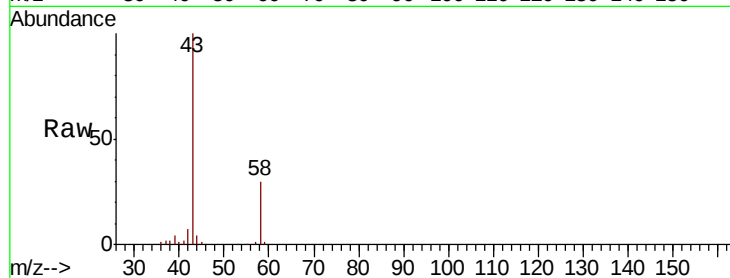
PT-VOA-WPDL

Tot Ion: 43 Resp: 66728

Ion Ratio Lower Upper

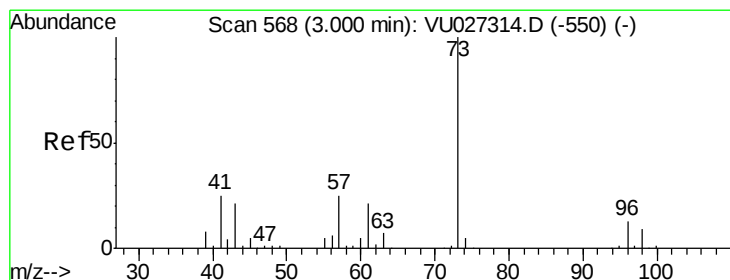
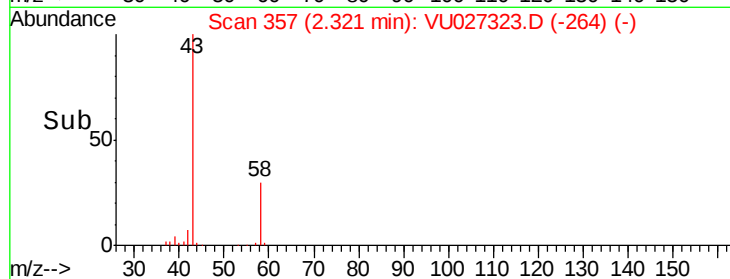
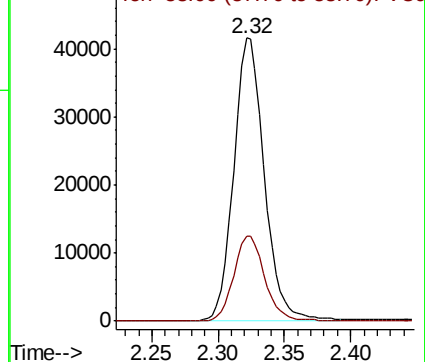
43 100

58 29.9 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#19

Methyl tert-butyl Ether

Concen: 47.989 ug/l

RT: 3.00 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU027323.D

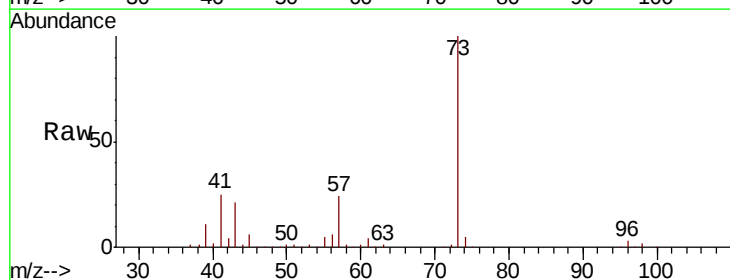
Acq: 01 Oct 2018 17:13

Tgt Ion: 73 Resp: 237182

Ion Ratio Lower Upper

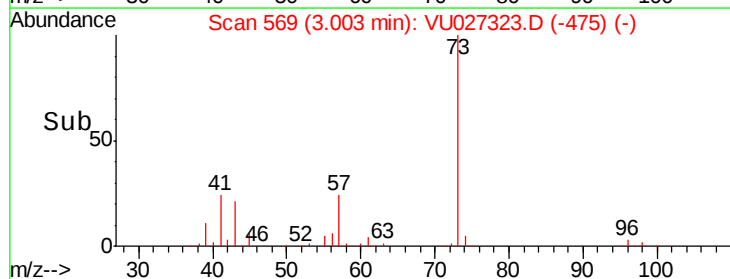
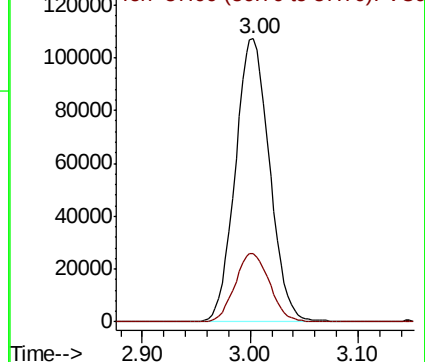
73 100

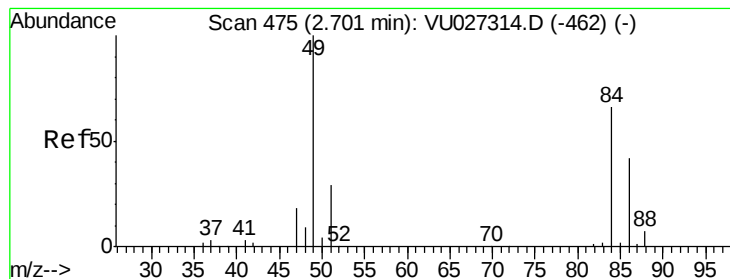
57 24.0 20.0 30.0



Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#20

Methylene Chloride

Concen: 13.945 ug/l

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU027323.D

Acq: 01 Oct 2018 17:13

Instrument :

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PT-VOA-WPDL

Tot Ion: 84 Resp: 22377

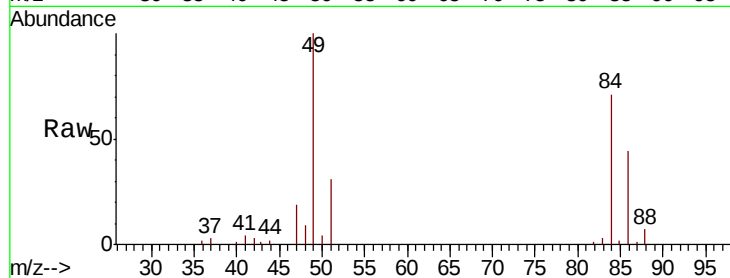
Ion Ratio Lower Upper

84 100

49 140.0 120.5 180.7

51 43.8 35.1 52.7

86 62.0 50.5 75.7

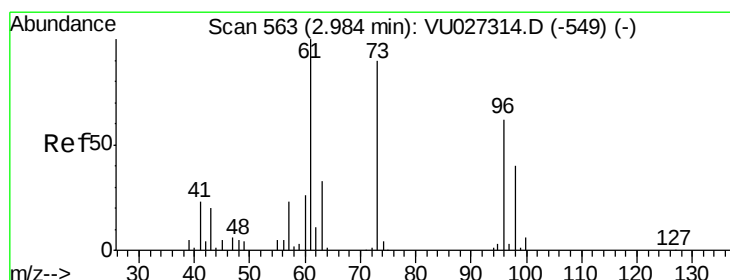
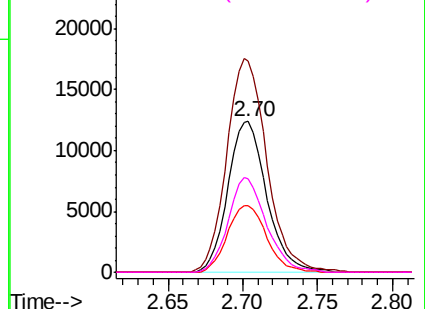
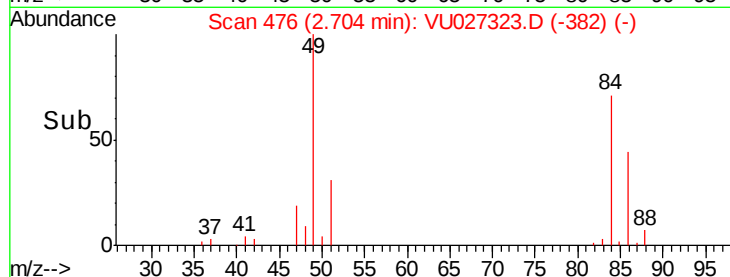


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#21

trans-1,2-Dichloroethene

Concen: 10.787 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027323.D

Acq: 01 Oct 2018 17:13

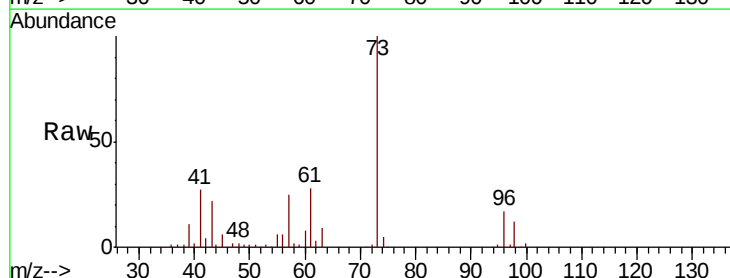
Tgt Ion: 96 Resp: 14939

Ion Ratio Lower Upper

96 100

61 161.7 129.4 194.2

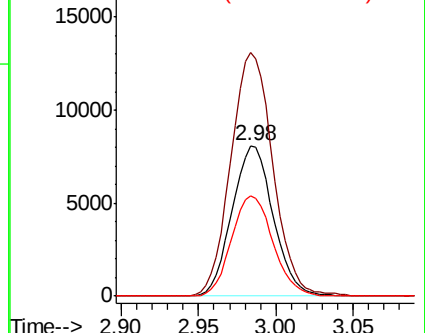
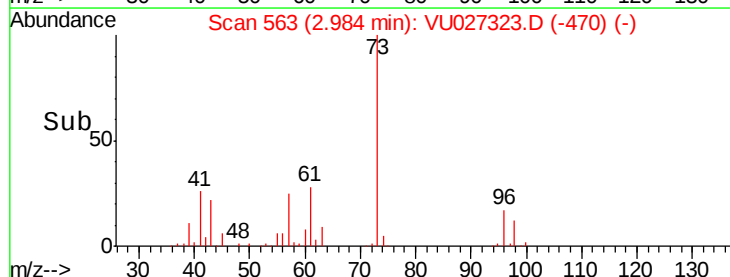
98 67.0 51.2 76.8

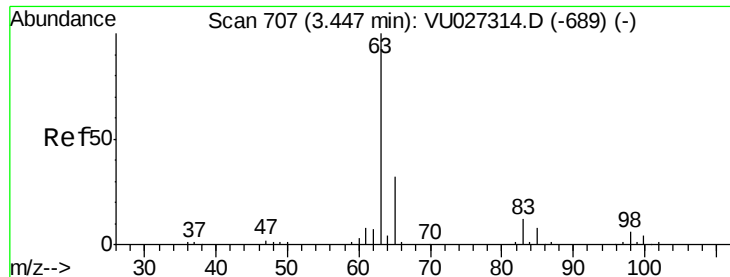


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

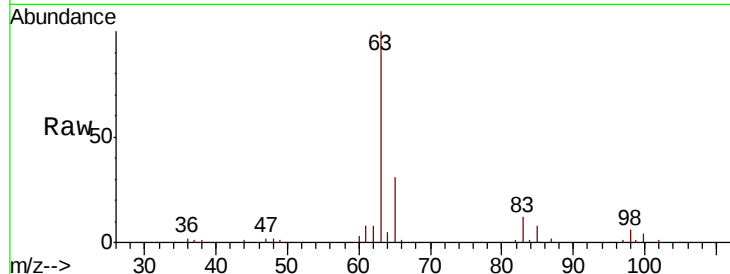




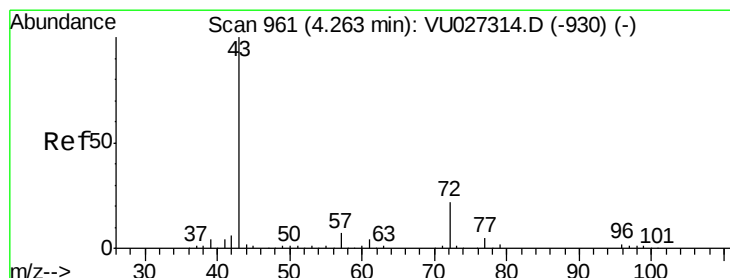
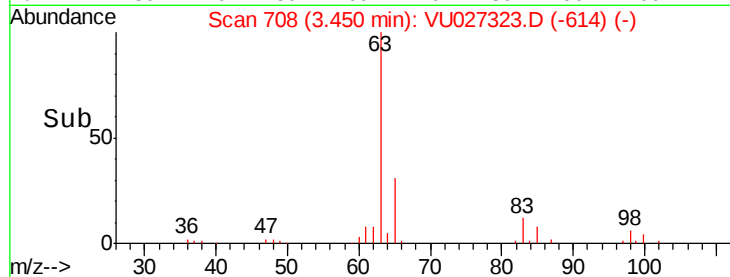
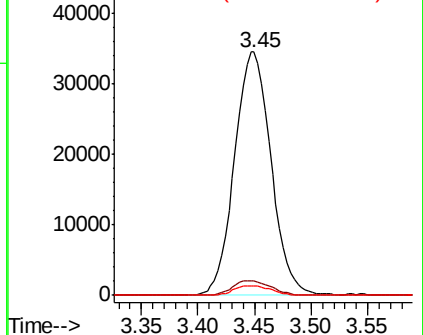
#24
 1,1-Dichloroethane
 Concen: 25.446 ug/l
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU027323.D
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Instrument :
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 PT-VOA-WPDL

Tot Ion: 63 Resp: 77880
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.2
 100 3.8 1.8 5.5

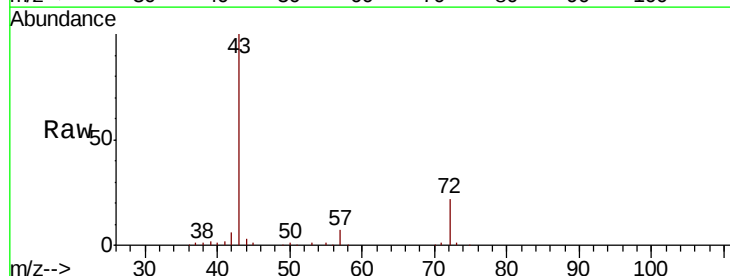


Abundance Ion 62.90 (62.60 to 63.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0
 Ion 99.90 (99.60 to 100.60): VU0

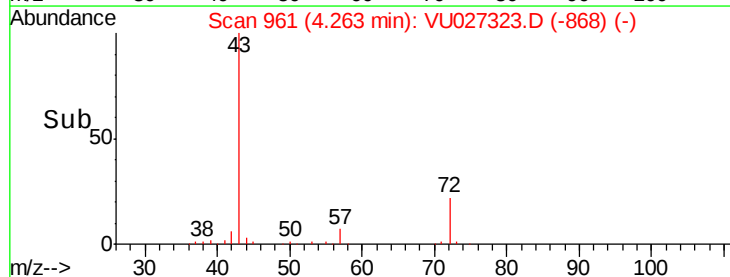
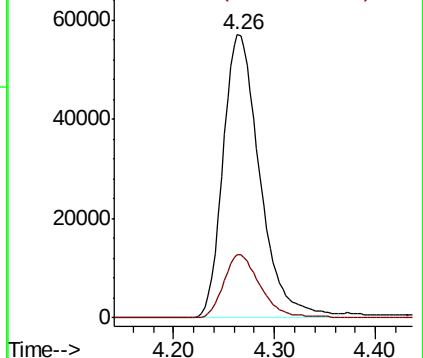


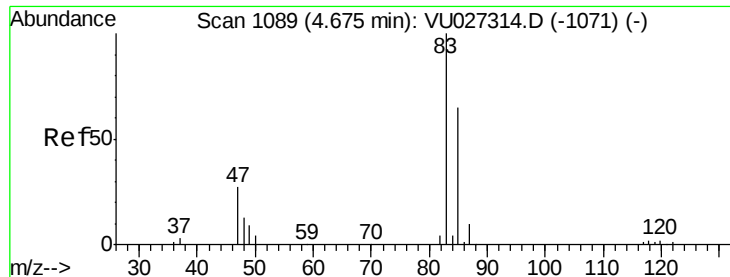
#25
 2-Butanone
 Concen: 92.380 ug/l
 RT: 4.26 min Scan# 961
 Delta R.T. -0.00 min
 Lab File: VU027323.D
 Acq: 01 Oct 2018 17:13

Tgt Ion: 43 Resp: 145116
 Ion Ratio Lower Upper
 43 100
 72 22.4 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 72.00 (71.70 to 72.70): VU0

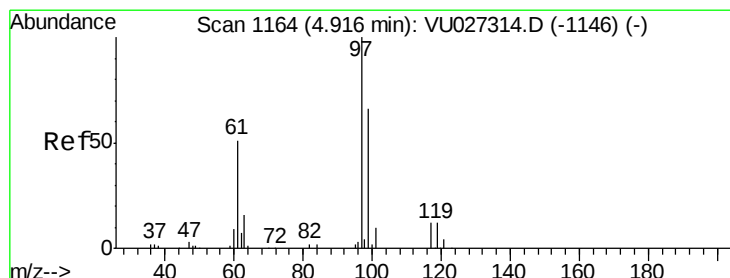
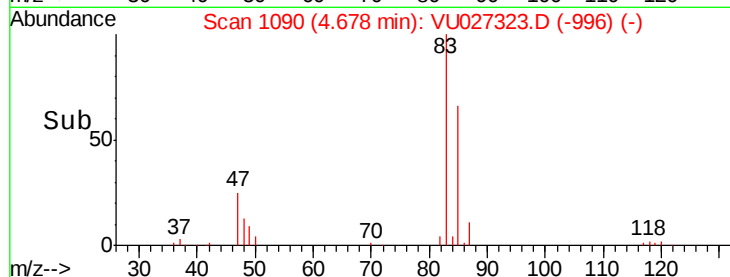
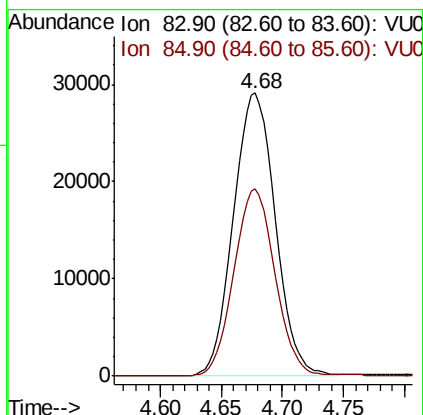
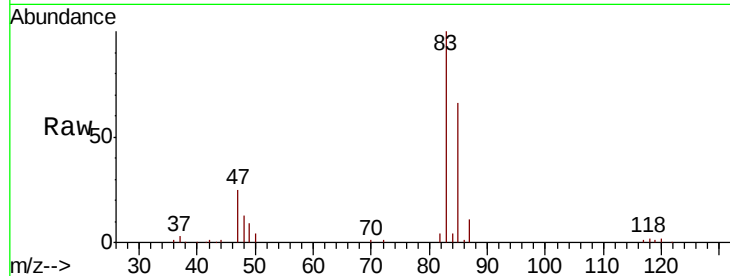




#30
Chloroform
Concen: 25.534 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027323.D
Acq: 01 Oct 2018 17:13

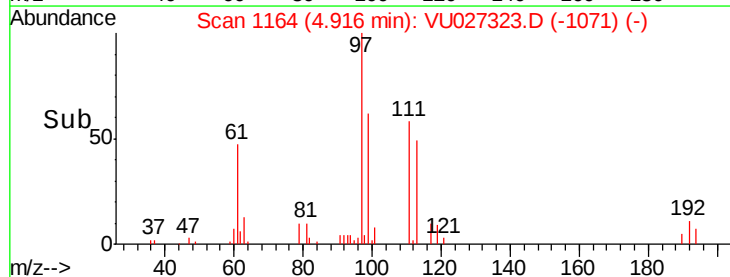
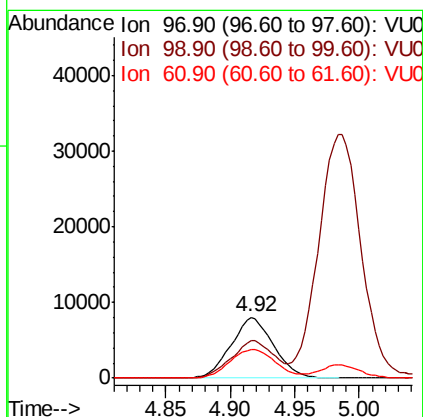
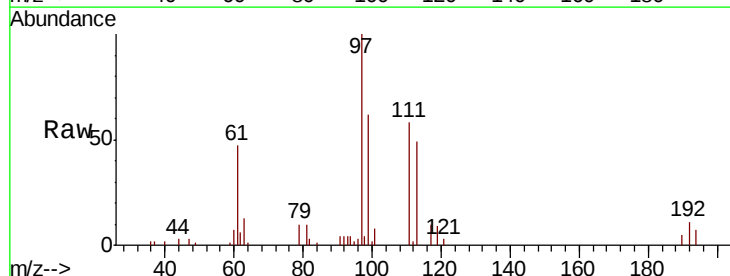
Instrument :
MSVOA_U
ClientSampleId :
PT-VOA-WPDL

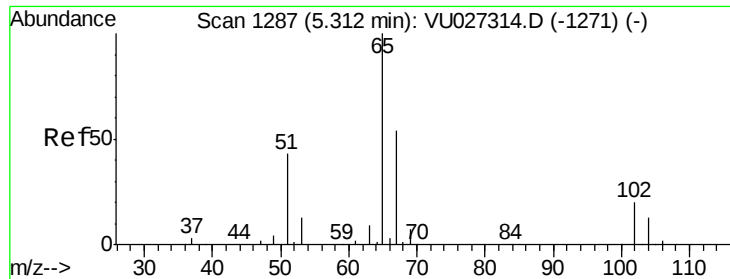
Tot Ion: 83 Resp: 69431
Ion Ratio Lower Upper
83 100
85 66.2 51.8 77.6



#32
1,1,1-Trichloroethane
Concen: 7.974 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027323.D
Acq: 01 Oct 2018 17:13

Tgt Ion: 97 Resp: 18262
Ion Ratio Lower Upper
97 100
99 62.6 51.1 76.7
61 50.8 39.6 59.4

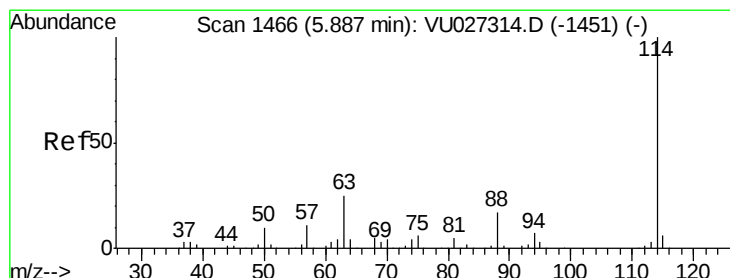
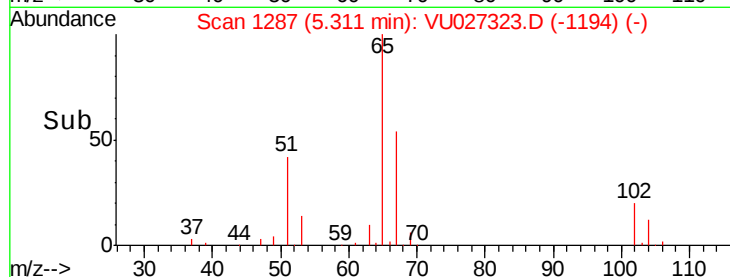
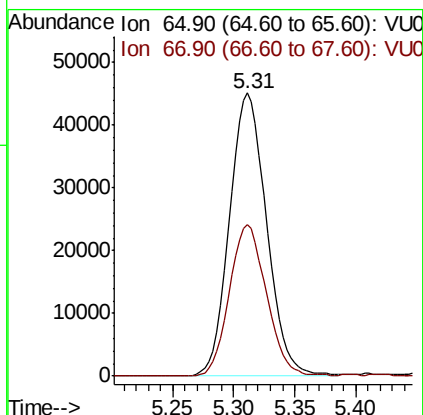
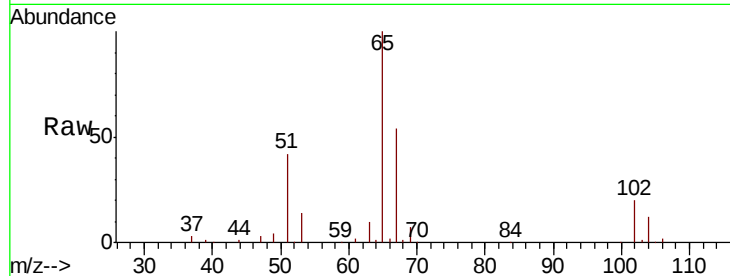




#33
 1,2-Dichloroethane-d4
 Concen: 48.976 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027323.D
 Acq: 01 Oct 2018 17:13

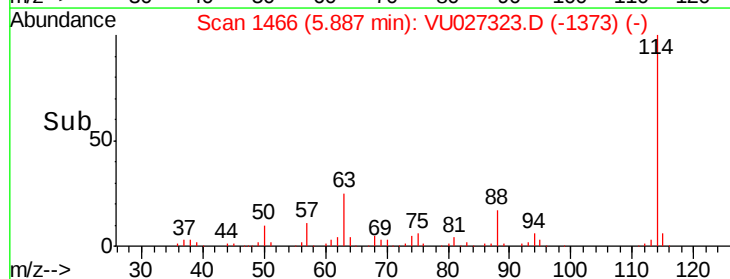
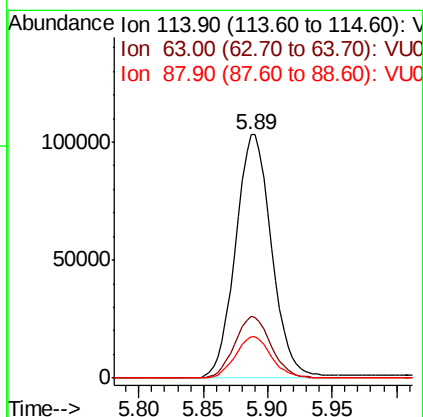
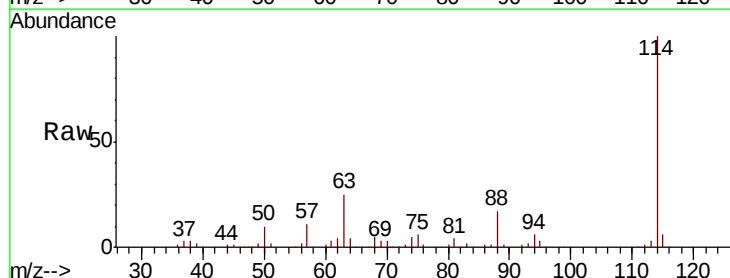
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-VOA-WPDL

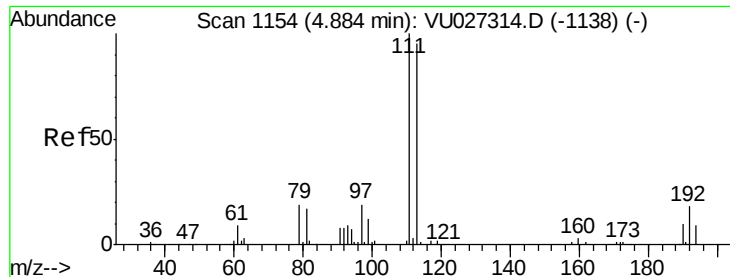
Tot Ion: 65 Resp: 95501
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027323.D
 Acq: 01 Oct 2018 17:13

Tgt Ion: 114 Resp: 202451
 Ion Ratio Lower Upper
 114 100
 63 25.3 0.0 50.2
 88 17.1 0.0 33.8

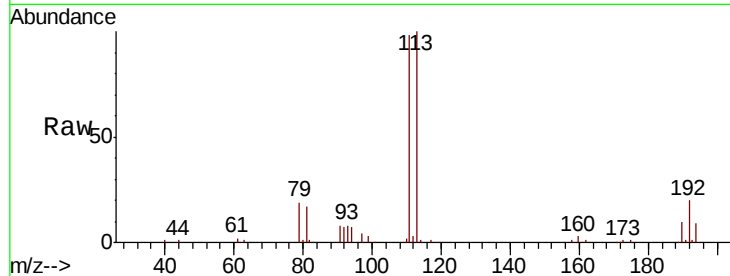




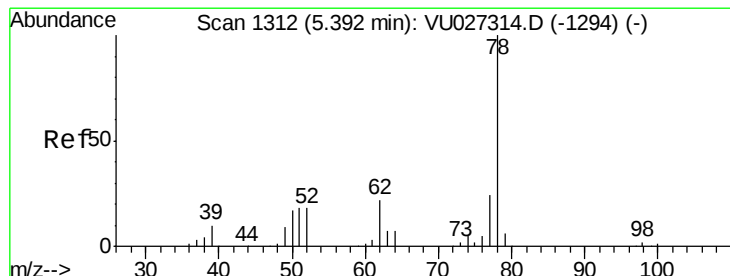
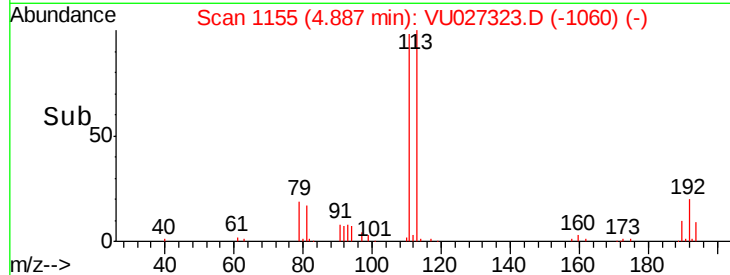
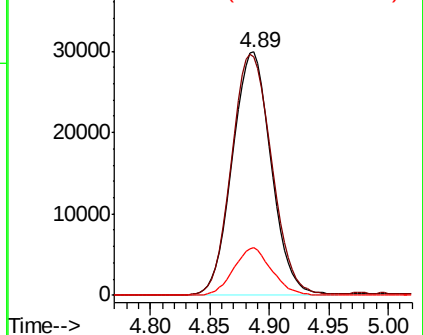
#35
 Dibromofluoromethane
 Concen: 48.745 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027323.D
 Acq: 01 Oct 2018 17:13

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-VOA-WPDL

Tot Ion:113 Resp: 67632
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.1 124.7
 192 19.1 15.4 23.0

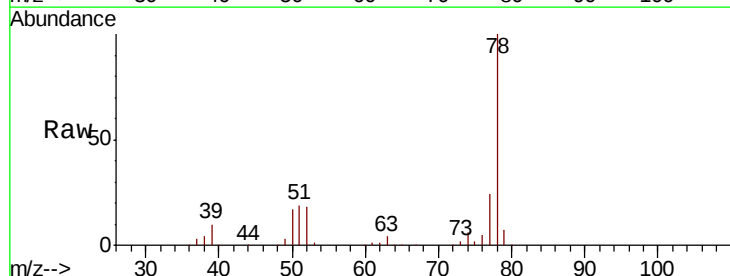


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

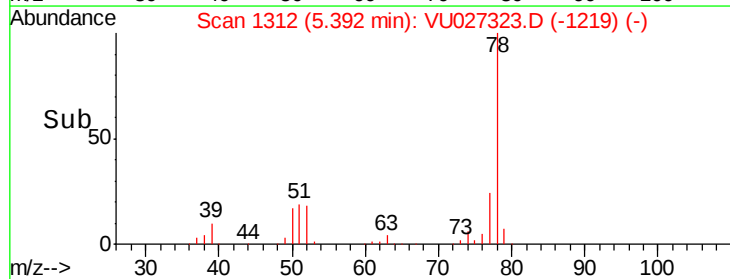
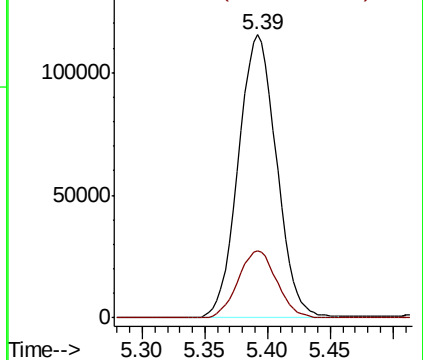


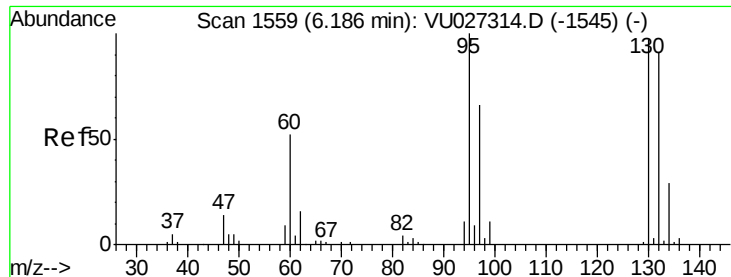
#40
 Benzene
 Concen: 38.297 ug/l
 RT: 5.39 min Scan# 1312
 Delta R.T. -0.00 min
 Lab File: VU027323.D
 Acq: 01 Oct 2018 17:13

Tgt Ion: 78 Resp: 245213
 Ion Ratio Lower Upper
 78 100
 77 23.9 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0





#44

Trichloroethene

Concen: 32.083 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027323.D

Acq: 01 Oct 2018 17:13

Instrument :

MSVOA_U

ClientSampleId :

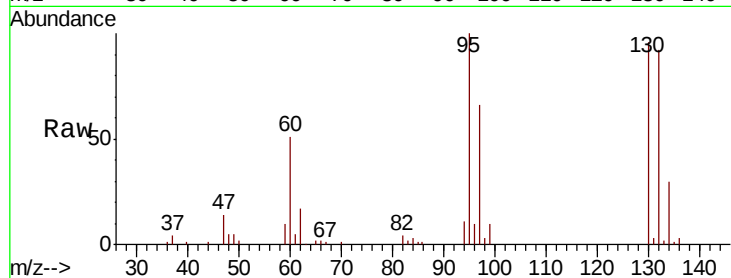
PT-VOA-WPDL

Tot Ion:130 Resp: 45807

Ion Ratio Lower Upper

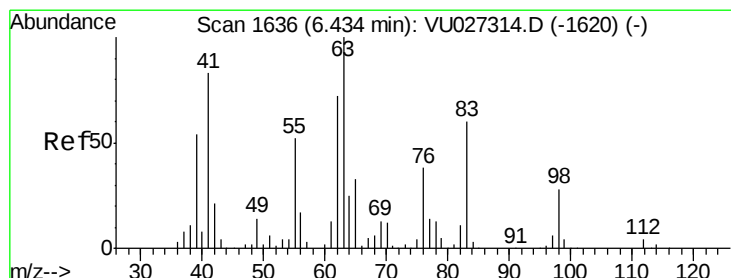
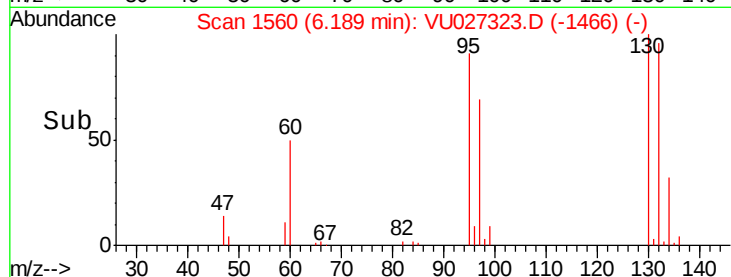
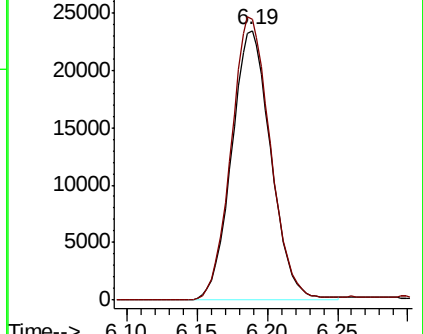
130 100

95 104.2 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VU027314.D (-1545) (-)

Ion 94.90 (94.60 to 95.60): VU027314.D (-1545) (-)



#45

1,2-Dichloropropane

Concen: 42.292 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU027323.D

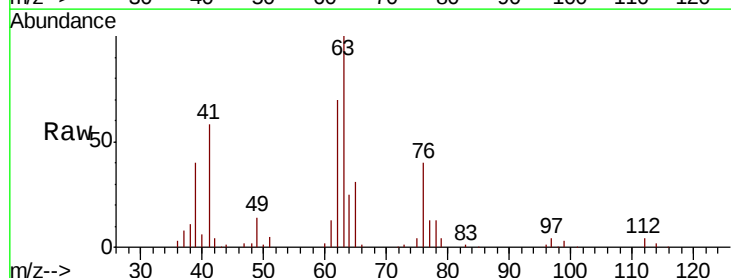
Acq: 01 Oct 2018 17:13

Tgt Ion: 63 Resp: 78106

Ion Ratio Lower Upper

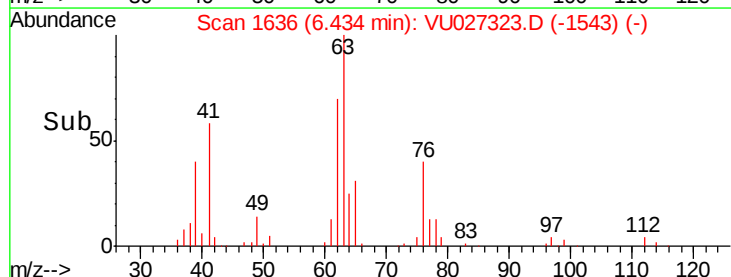
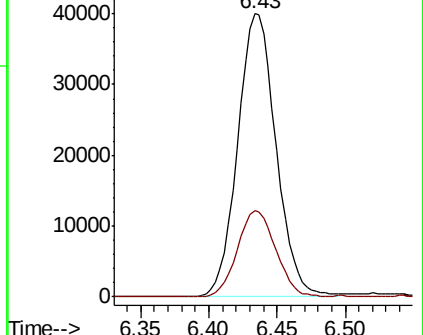
63 100

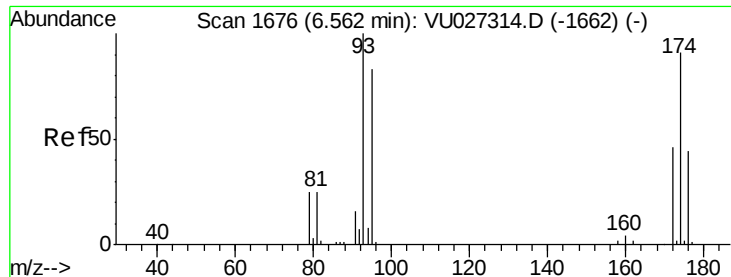
65 30.6 26.0 39.0



Abundance Ion 62.90 (62.60 to 63.60): VU027314.D (-1620) (-)

Ion 64.90 (64.60 to 65.60): VU027314.D (-1620) (-)

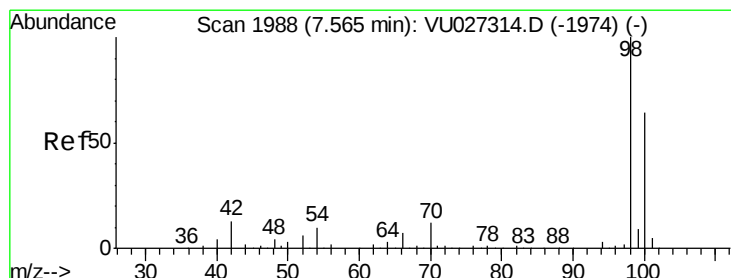
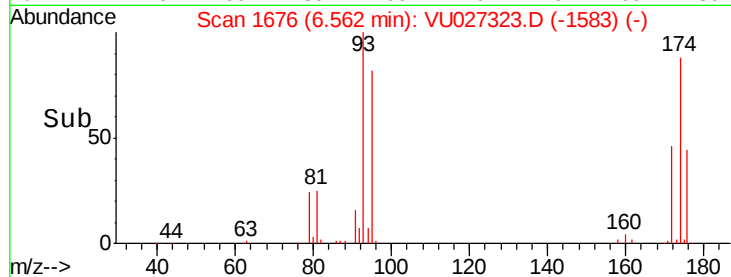
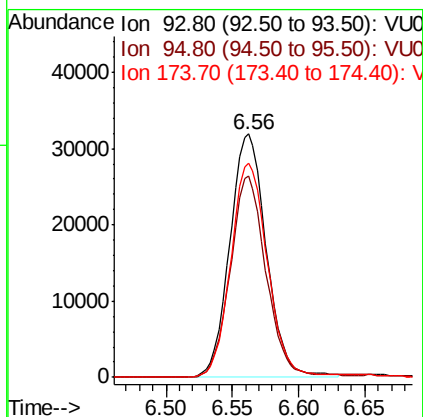
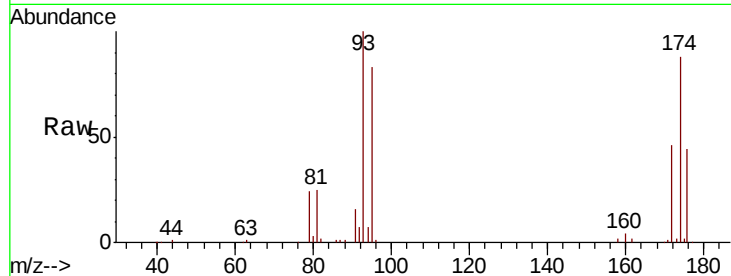




#46
Dibromomethane
Concen: 58.664 ug/l
RT: 6.56 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VU027323.D
Acq: 01 Oct 2018 17:13

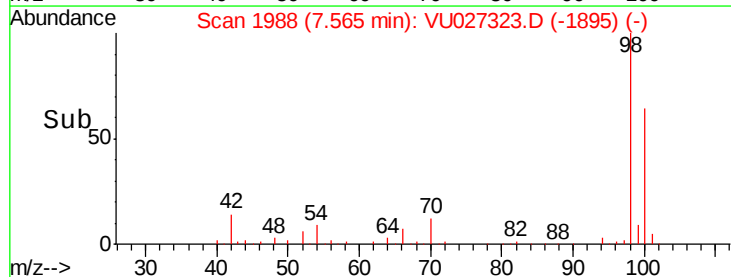
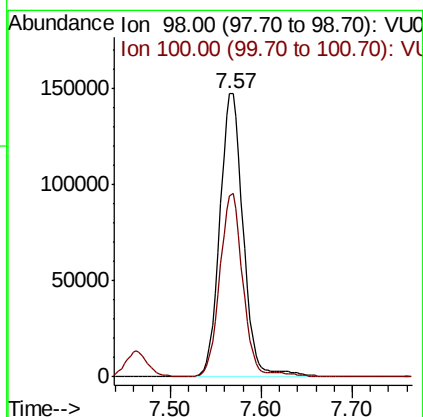
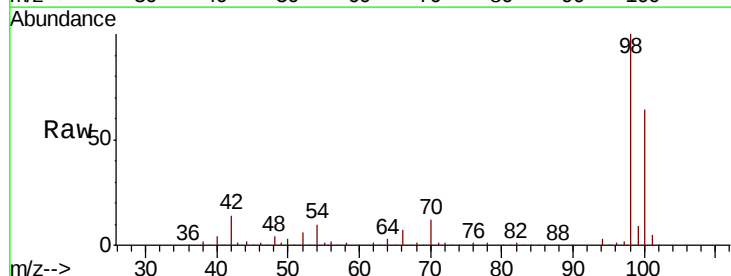
Instrument :
MSVOA_U
ClientSampleId :
PT-VOA-WPDL

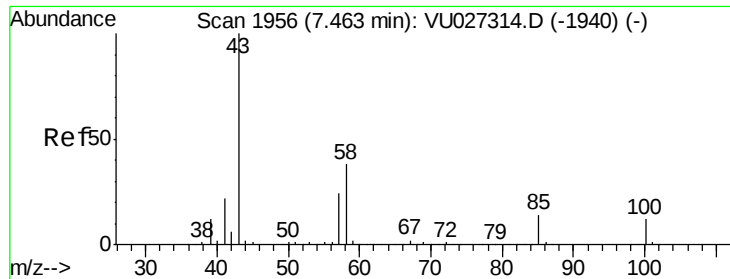
Tot Ion: 93 Resp: 61190
Ion Ratio Lower Upper
93 100
95 80.6 66.5 99.7
174 88.3 72.5 108.7



#50
Toluene-d8
Concen: 50.826 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027323.D
Acq: 01 Oct 2018 17:13

Tgt Ion: 98 Resp: 263931
Ion Ratio Lower Upper
98 100
100 62.2 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 69.086 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027323.D

Acq: 01 Oct 2018 17:13

Instrument :

MSVOA_U

ClientSampleId :

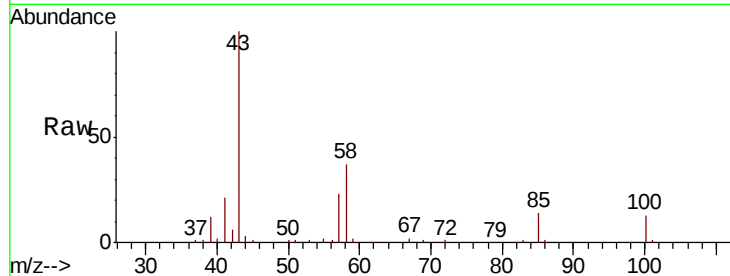
PT-VOA-WPDL

Tot Ion: 43 Resp: 198079

Ion Ratio Lower Upper

43 100

58 37.0 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

120000

100000

80000

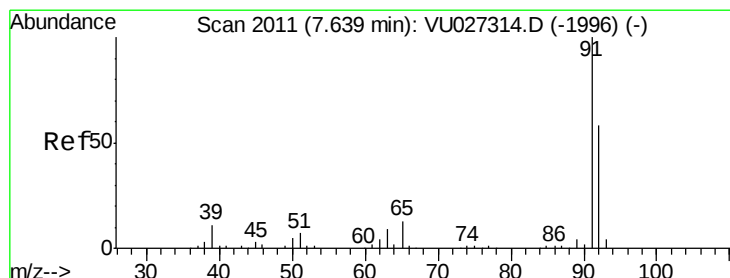
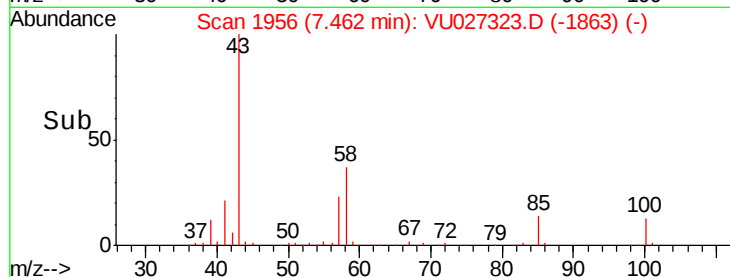
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 24.431 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027323.D

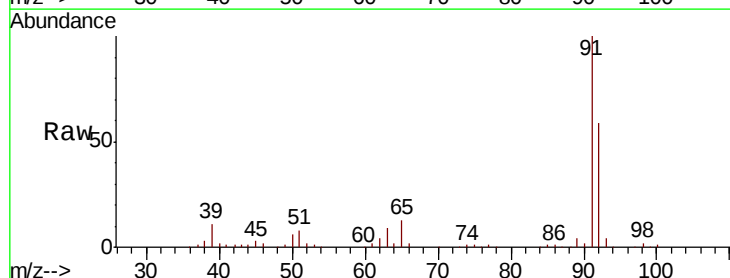
Acq: 01 Oct 2018 17:13

Tgt Ion: 92 Resp: 92591

Ion Ratio Lower Upper

92 100

91 170.0 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

100000

80000

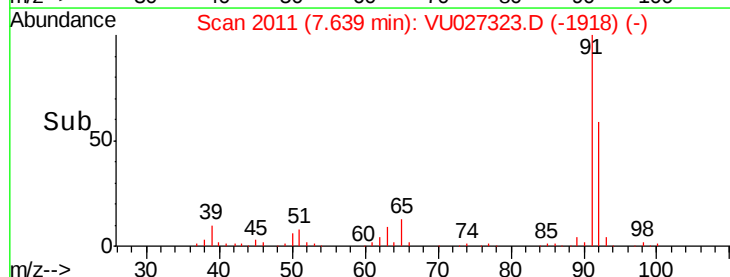
60000

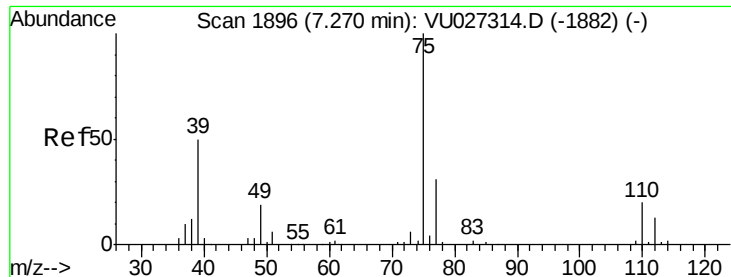
40000

20000

0

Time-->



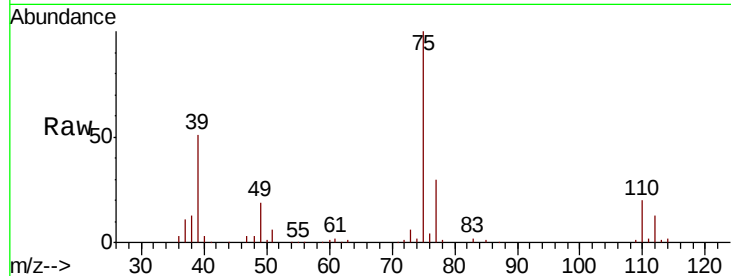


#54

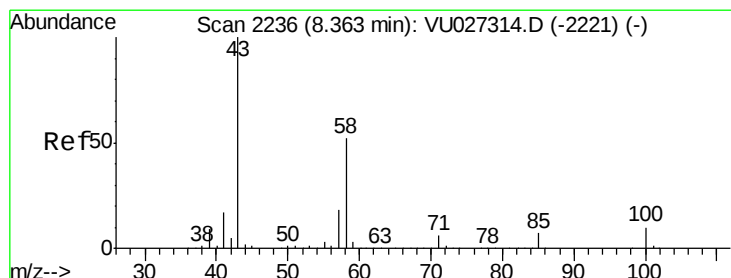
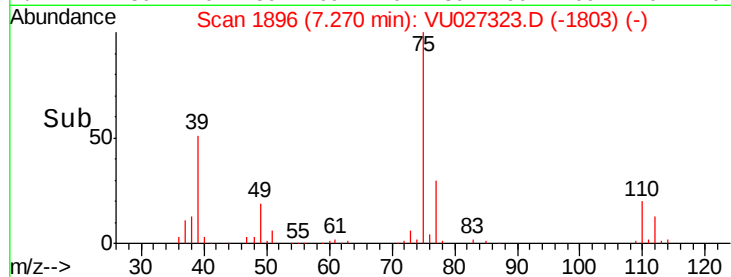
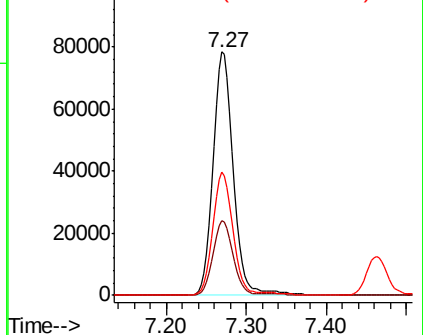
cis-1,3-Dichloropropene
 Concen: 50.916 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU027323.D
 Acq: 01 Oct 2018 17:13

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-VOA-WPDL

Tot Ion: 75 Resp: 138901
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.5 36.7
 39 50.5 40.1 60.1



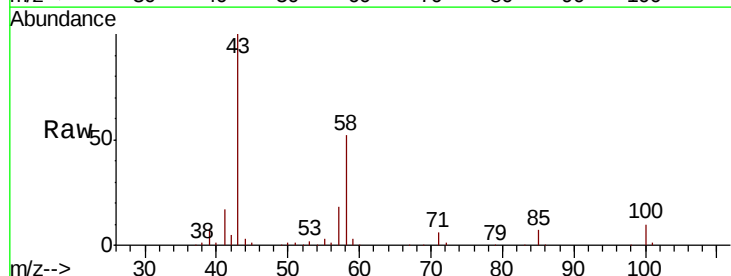
Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 76.90 (76.60 to 77.60): VU0
 Ion 39.00 (38.70 to 39.70): VU0



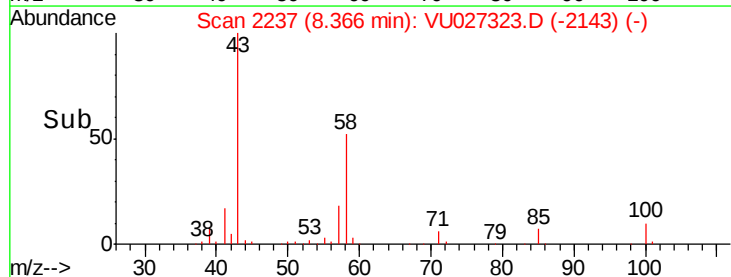
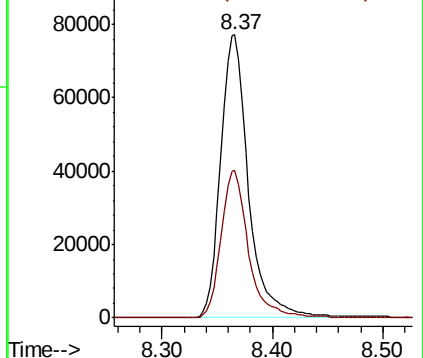
#59

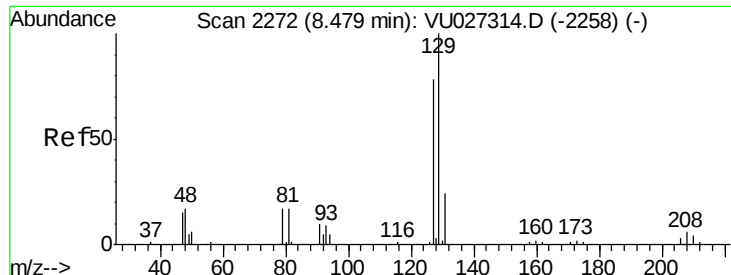
2-Hexanone
 Concen: 60.878 ug/l
 RT: 8.37 min Scan# 2237
 Delta R.T. 0.00 min
 Lab File: VU027323.D
 Acq: 01 Oct 2018 17:13

Tgt Ion: 43 Resp: 135398
 Ion Ratio Lower Upper
 43 100
 58 51.4 26.1 78.3



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0

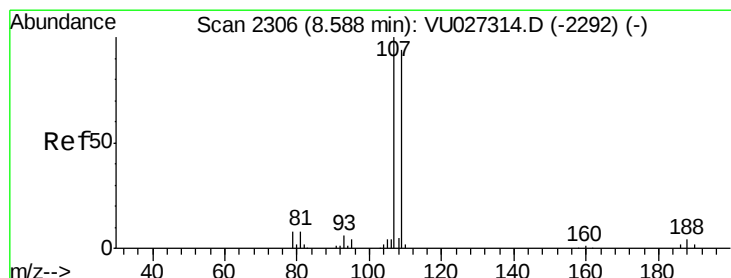
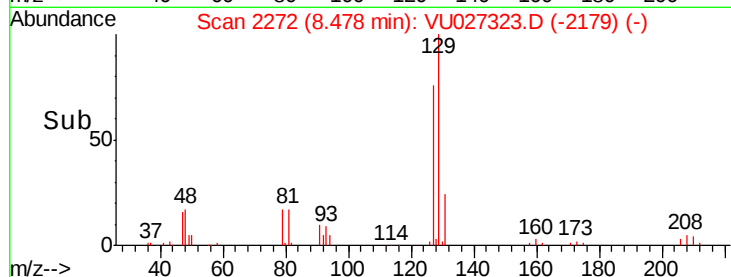
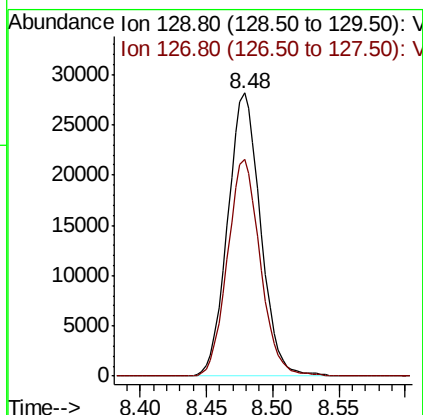
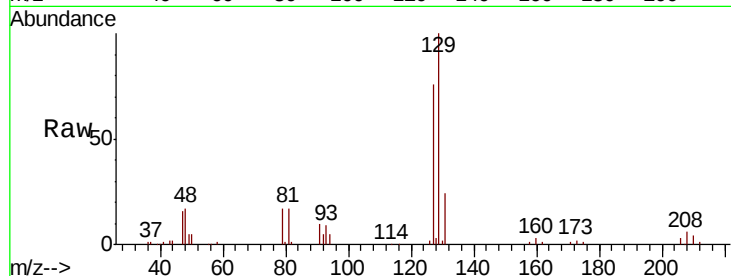




#60
 Dibromochloromethane
 Concen: 32.234 ug/l
 RT: 8.48 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VU027323.D
 Acq: 01 Oct 2018 17:13

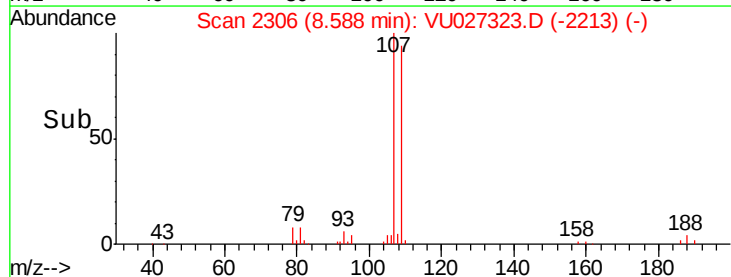
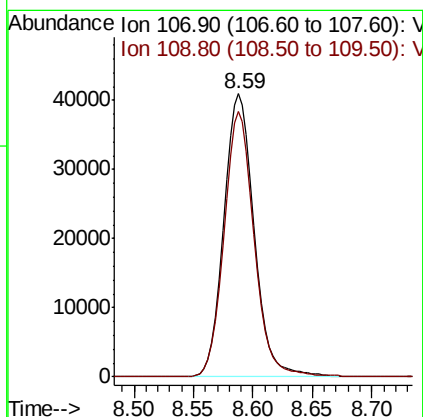
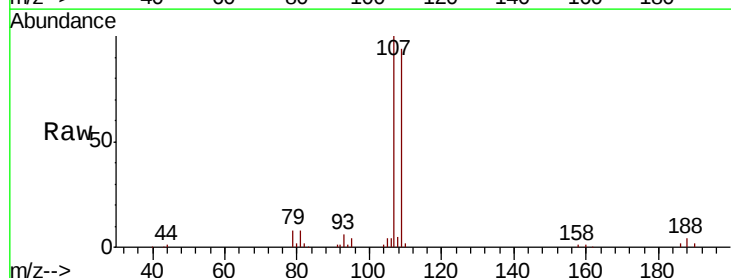
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-VOA-WPDL

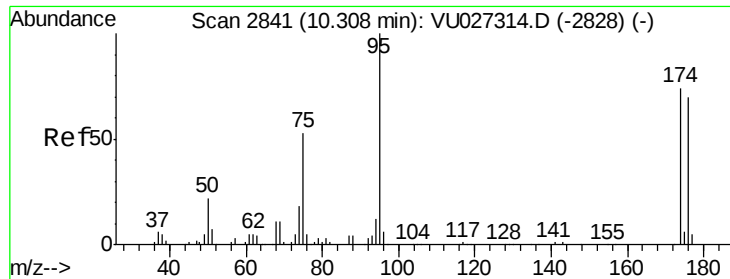
Tot Ion:129 Resp: 48579
 Ion Ratio Lower Upper
 129 100
 127 76.1 39.1 117.2



#61
 1,2-Dibromoethane
 Concen: 45.223 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU027323.D
 Acq: 01 Oct 2018 17:13

Tgt Ion:107 Resp: 72249
 Ion Ratio Lower Upper
 107 100
 109 93.4 74.5 111.7

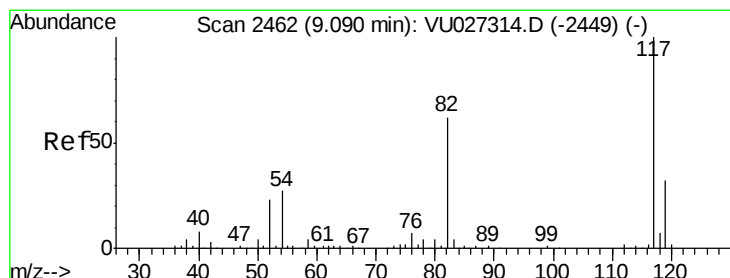
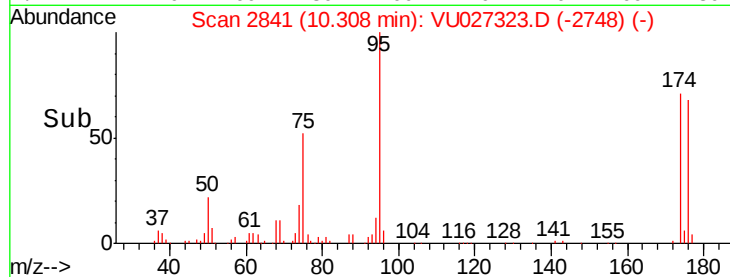
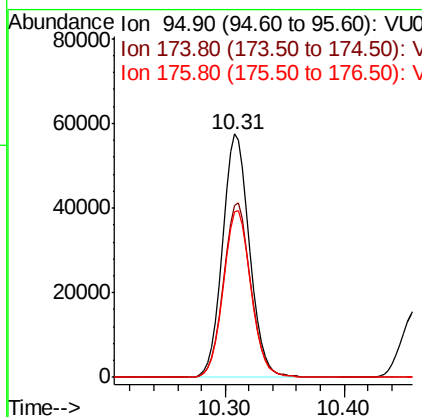
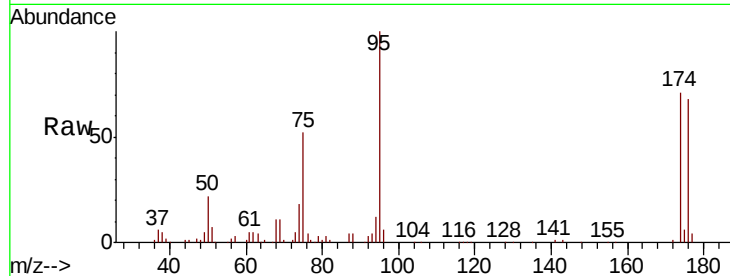




#62
 4-Bromofluorobenzene
 Concen: 46.862 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027323.D
 Acq: 01 Oct 2018 17:13

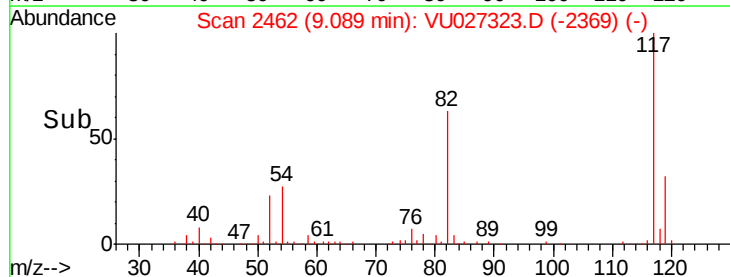
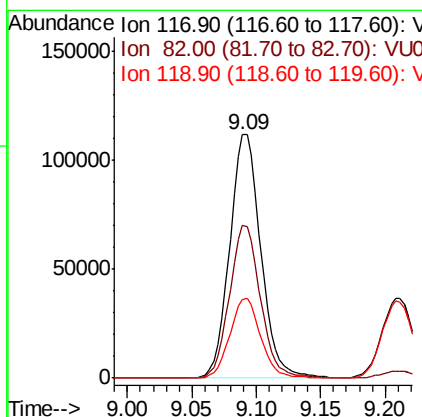
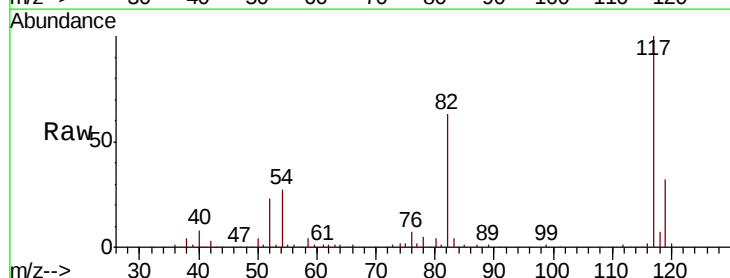
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-VOA-WPDL

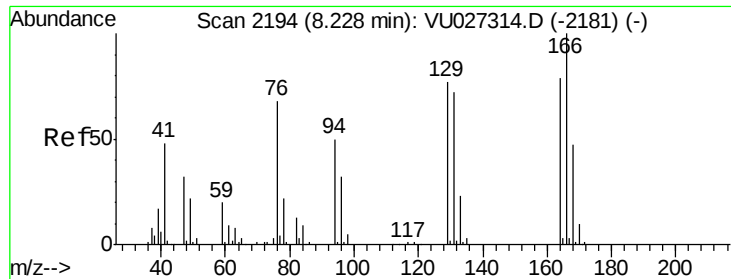
Tot Ion: 95 Resp: 90436
 Ion Ratio Lower Upper
 95 100
 174 72.6 0.0 147.8
 176 70.1 0.0 140.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VU027323.D
 Acq: 01 Oct 2018 17:13

Tgt Ion: 117 Resp: 187757
 Ion Ratio Lower Upper
 117 100
 82 62.5 49.2 73.8
 119 32.3 25.7 38.5





#64

Tetrachloroethene

Concen: 26.850 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU027323.D

Acq: 01 Oct 2018 17:13

Instrument :

MSVOA_U

ClientSampleId :

PT-VOA-WPDL

Tot Ion:164 Resp: 31383

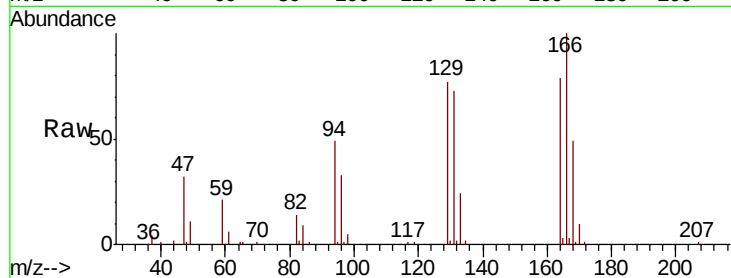
Ion Ratio Lower Upper

164 100

166 126.1 101.0 151.6

129 96.7 78.0 117.0

131 92.2 72.6 109.0

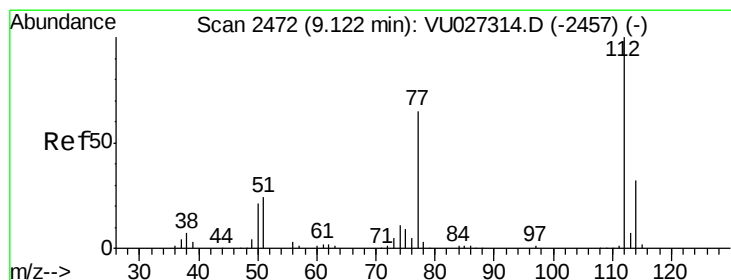
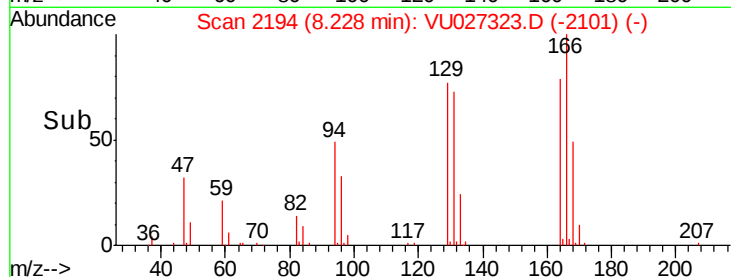
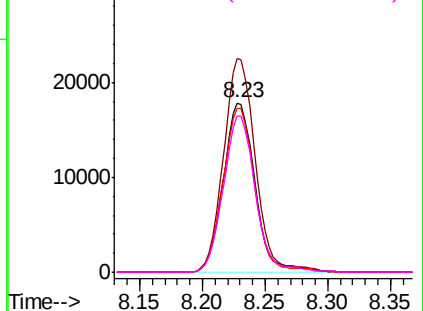


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 19.939 ug/l

RT: 9.12 min Scan# 2472

Delta R.T. -0.00 min

Lab File: VU027323.D

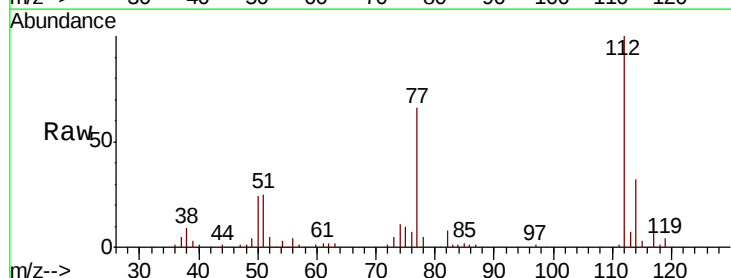
Acq: 01 Oct 2018 17:13

Tgt Ion:112 Resp: 78800

Ion Ratio Lower Upper

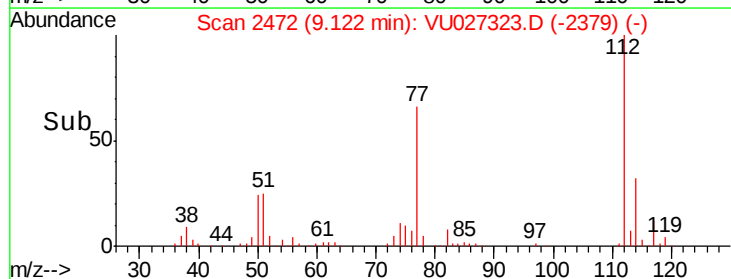
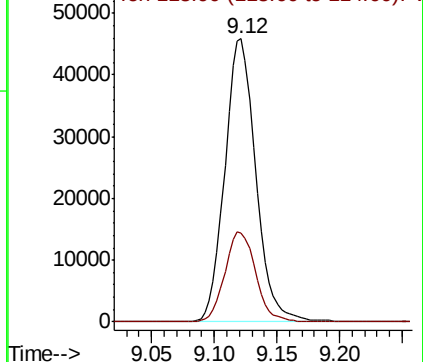
112 100

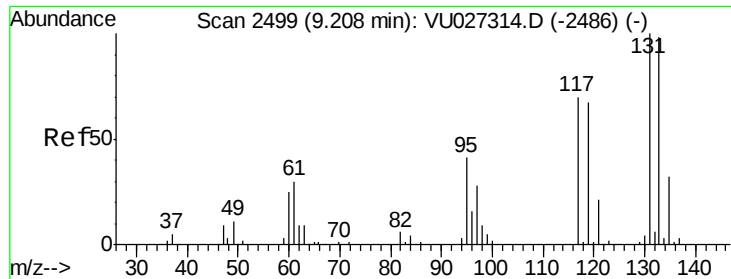
114 31.6 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 67.253 ug/l

RT: 9.21 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VU027323.D

Acq: 01 Oct 2018 17:13

Instrument :

MSVOA_U

ClientSampleId :

PT-VOA-WPDL

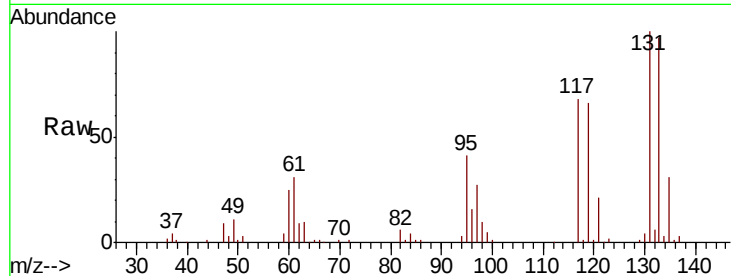
Tot Ion:131 Resp: 91756

Ion Ratio Lower Upper

131 100

133 95.9 48.5 145.6

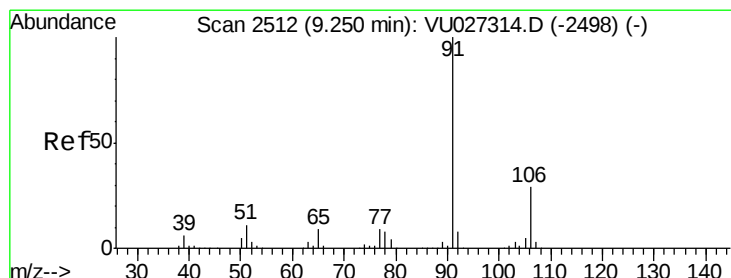
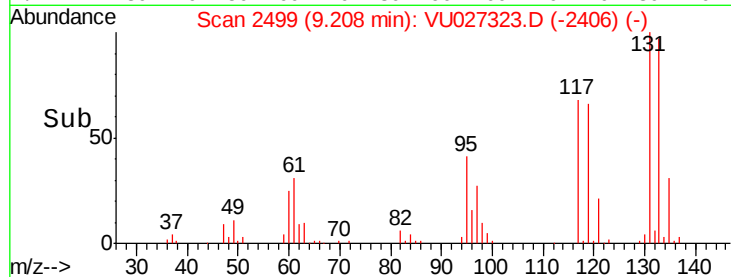
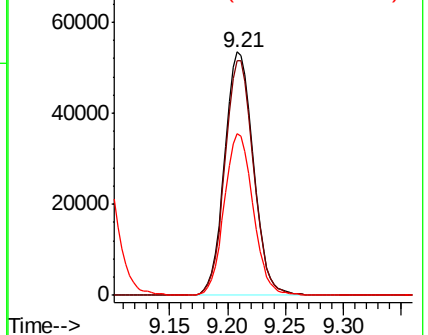
119 66.5 33.5 100.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 7.624 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027323.D

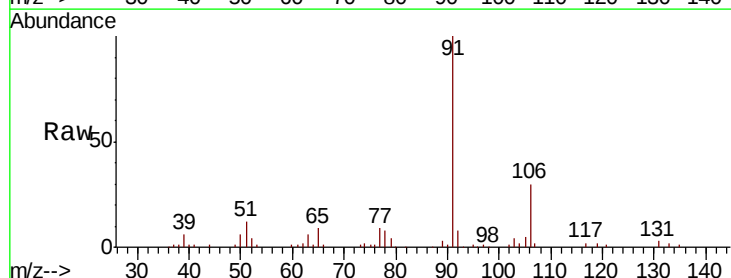
Acq: 01 Oct 2018 17:13

Tgt Ion: 91 Resp: 53386

Ion Ratio Lower Upper

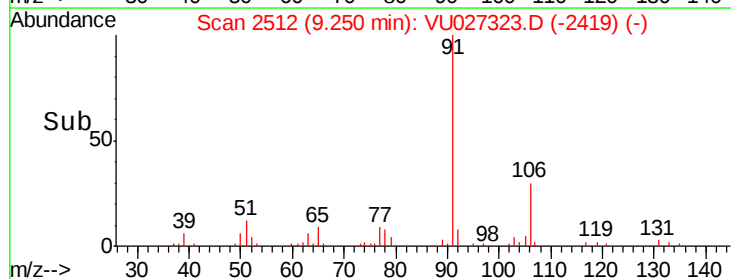
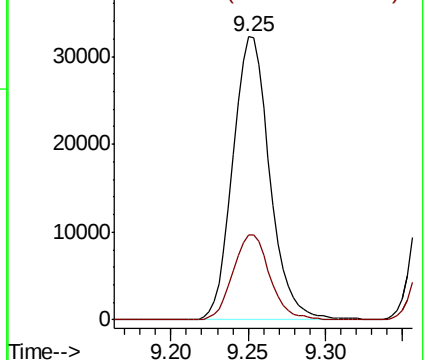
91 100

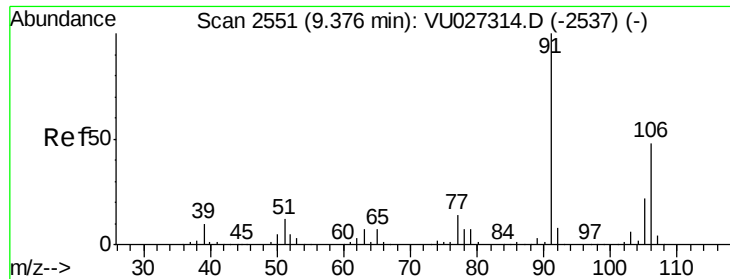
106 30.1 23.6 35.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

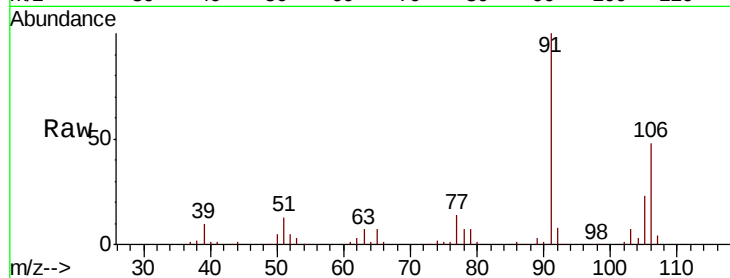




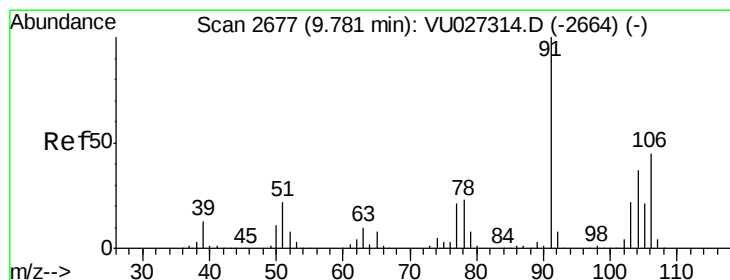
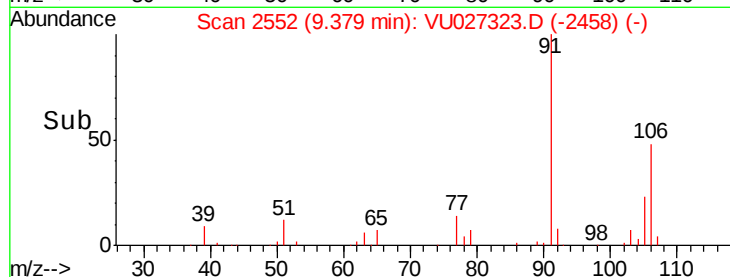
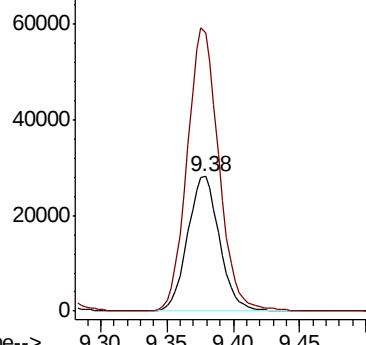
#68
m/p-Xylenes
Concen: 18.440 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU027323.D
Acq: 01 Oct 2018 17:13

Instrument :
MSVOA_U
ClientSampleId :
PT-VOA-WPDL

Tot Ion:106 Resp: 47229
Ion Ratio Lower Upper
106 100
91 208.2 168.1 252.1

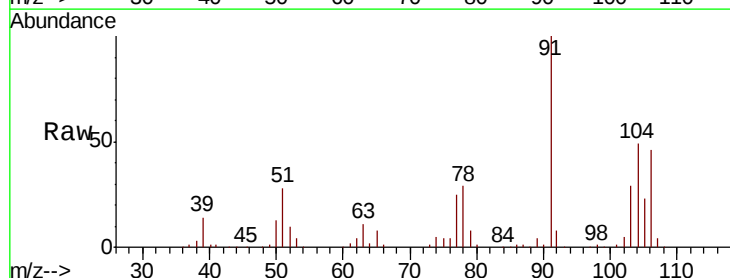


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

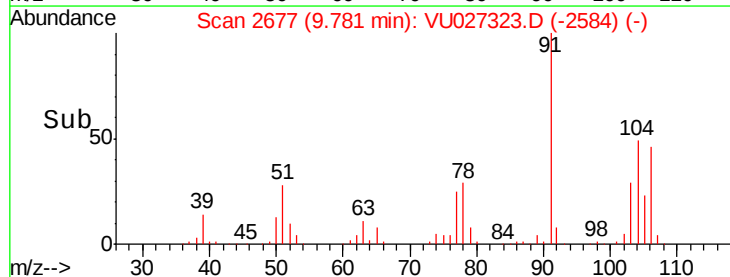
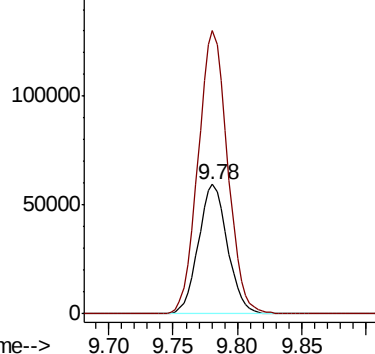


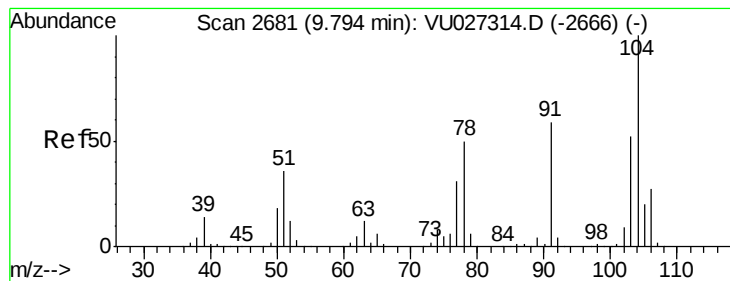
#69
o-Xylene
Concen: 38.359 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027323.D
Acq: 01 Oct 2018 17:13

Tgt Ion:106 Resp: 93363
Ion Ratio Lower Upper
106 100
91 221.1 111.7 334.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0





#70

Stvrene

Concen: 50.461 ug/l

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU027323.D

Acq: 01 Oct 2018 17:13

Instrument :
MSVOA_U
ClientSampleId :
PT-VOA-WPDL

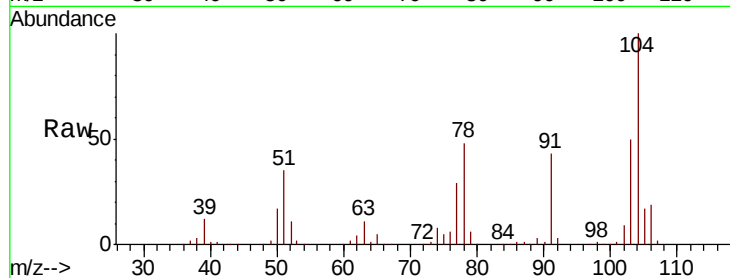
Tot Ion:104 Resp: 229683

Ion Ratio Lower Upper

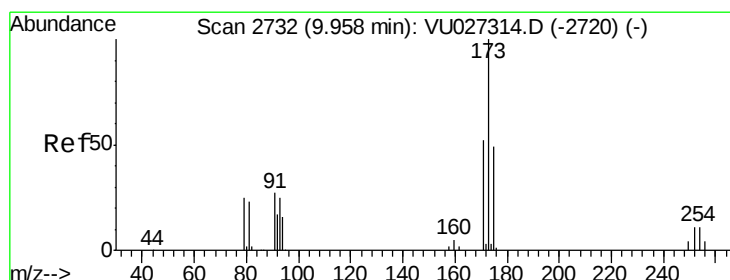
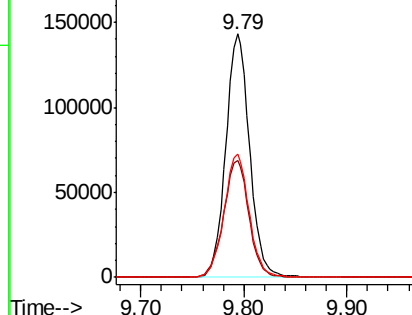
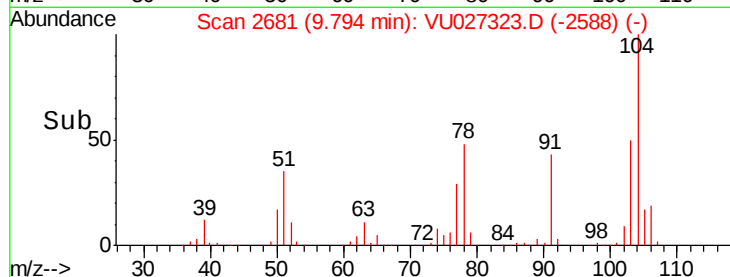
104 100

78 51.3 42.9 64.3

103 53.0 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 42.509 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027323.D

Acq: 01 Oct 2018 17:13

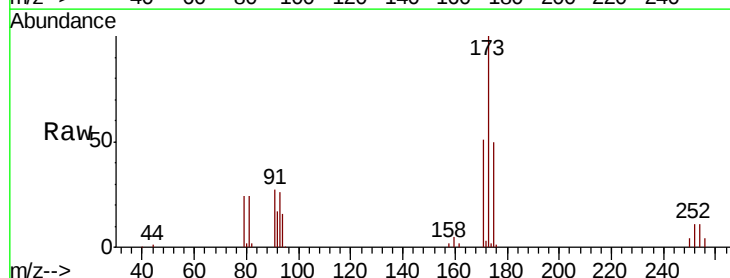
Tgt Ion:173 Resp: 46662

Ion Ratio Lower Upper

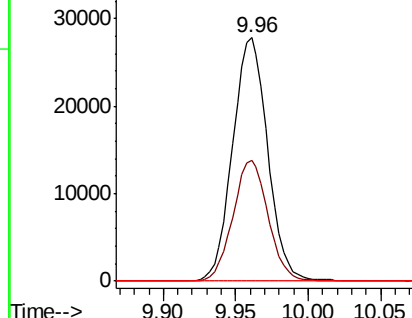
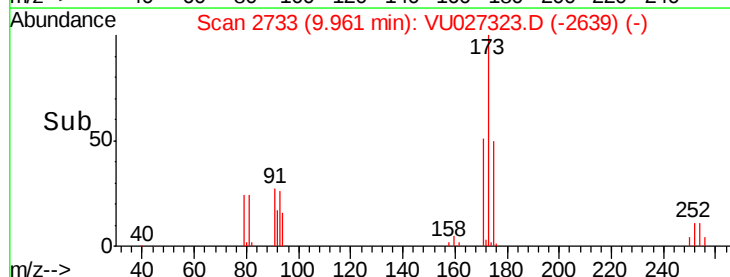
173 100

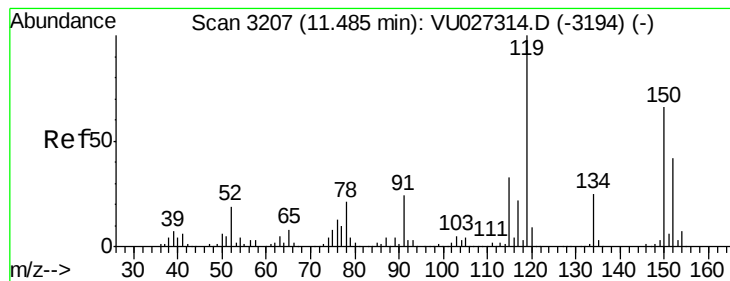
175 49.7 24.3 73.0

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): 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: VU027323.D

Acq: 01 Oct 2018 17:13

Instrument :

MSVOA_U

ClientSampleId :

PT-VOA-WPDL

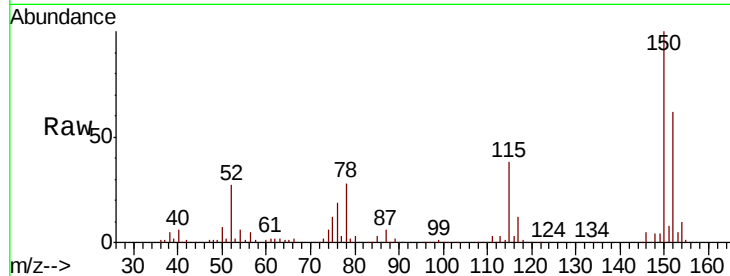
Tot Ion:152 Resp: 88977

Ion Ratio Lower Upper

152 100

115 61.3 43.4 130.2

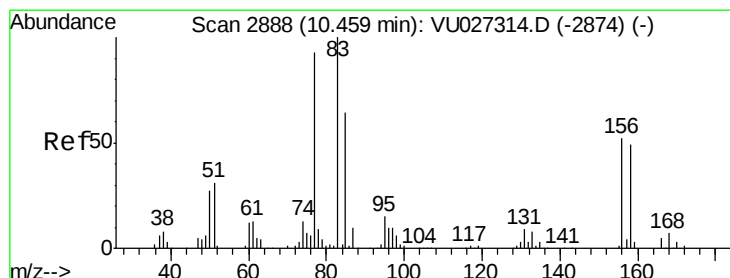
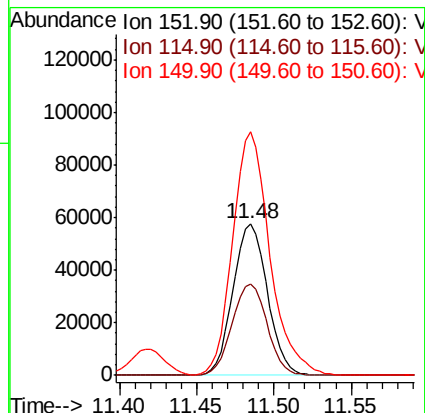
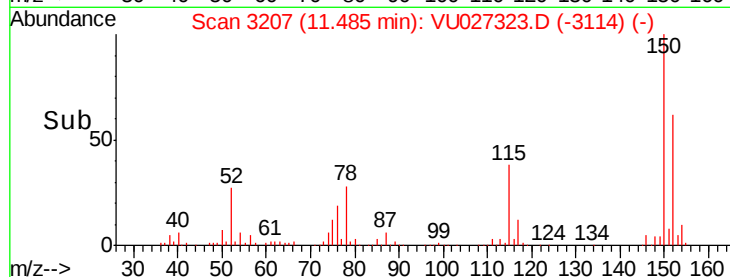
150 173.3 0.0 349.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 67.794 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027323.D

Acq: 01 Oct 2018 17:13

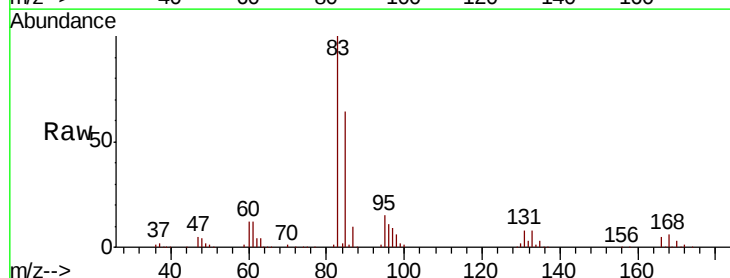
Tgt Ion: 83 Resp: 172025

Ion Ratio Lower Upper

83 100

131 8.1 4.4 13.2

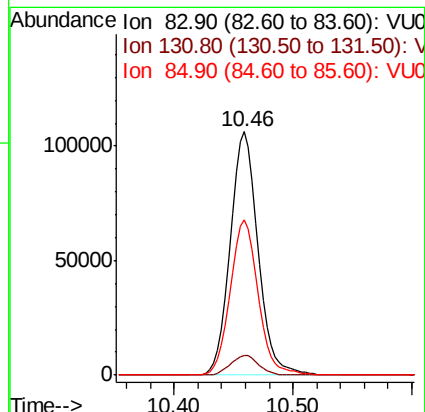
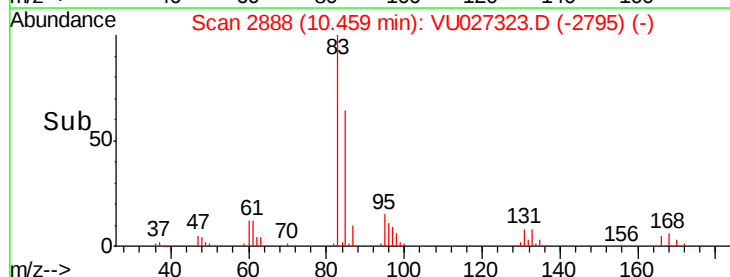
85 64.1 32.0 96.0

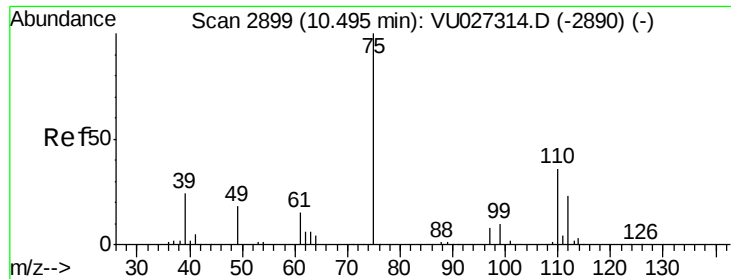


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VU0

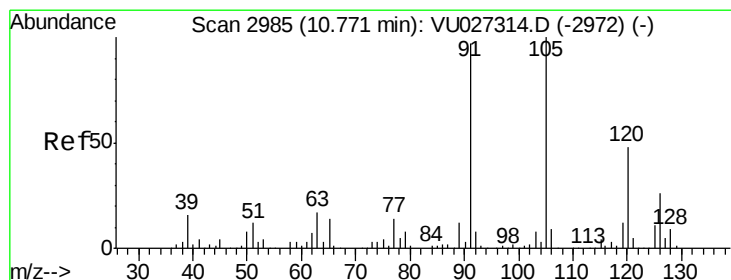
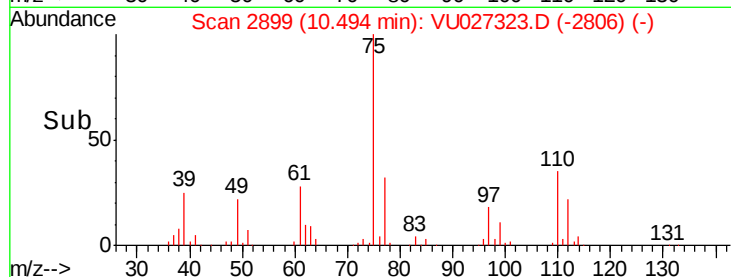
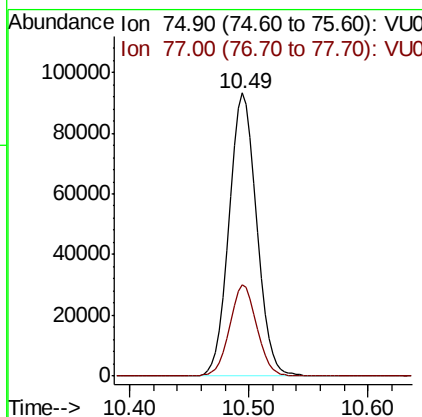
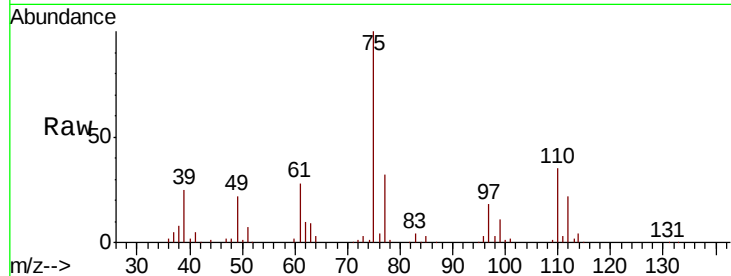




#76
 1,2,3-Trichloropropane
 Concen: 64.969 ug/l
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU027323.D
 Acq: 01 Oct 2018 17:13

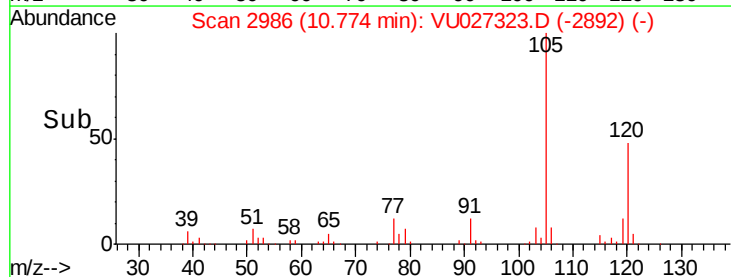
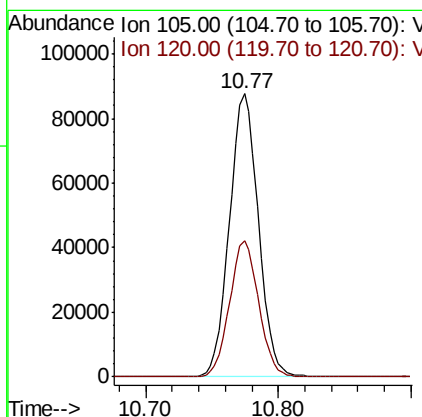
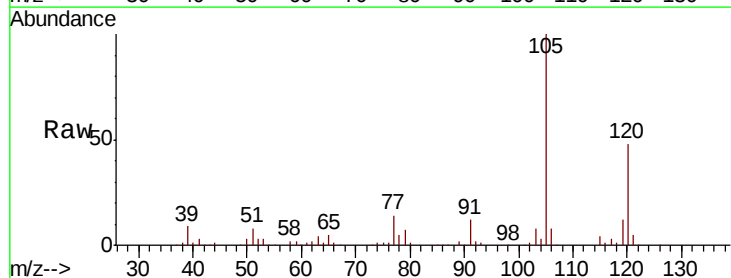
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-VOA-WPDL

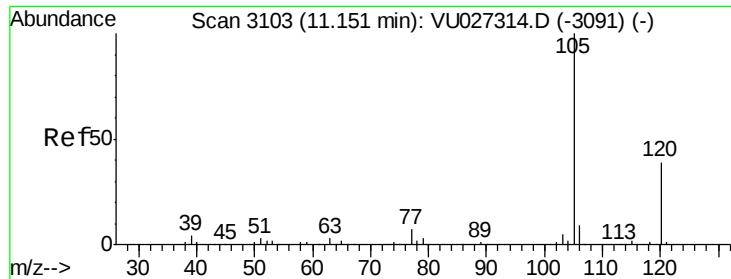
Tot Ion: 75 Resp: 149851
 Ion Ratio Lower Upper
 75 100
 77 31.8 20.3 60.9



#80
 1,3,5-Trimethylbenzene
 Concen: 25.294 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027323.D
 Acq: 01 Oct 2018 17:13

Tgt Ion: 105 Resp: 133080
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.1 72.4

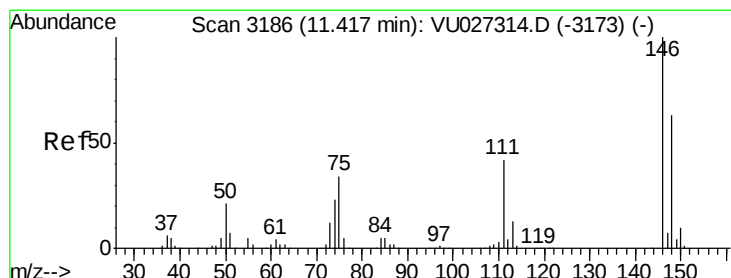
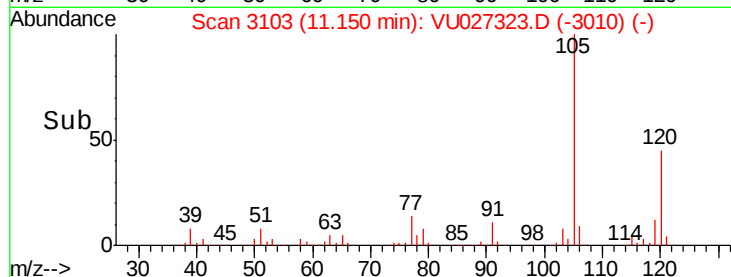
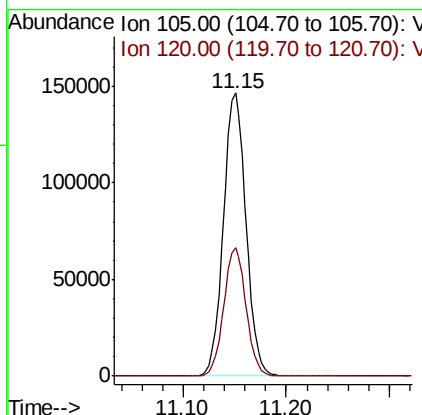
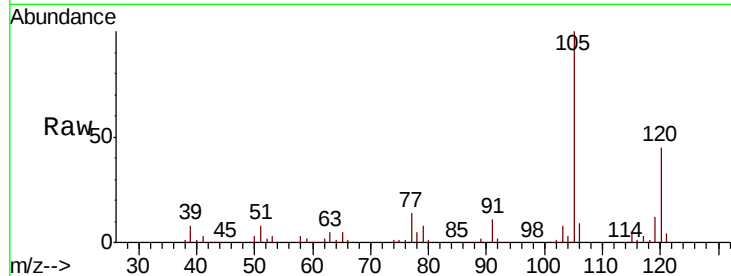




#84
 1,2,4-Trimethylbenzene
 Concen: 41.603 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. -0.00 min
 Lab File: VU027323.D
 Acq: 01 Oct 2018 17:13

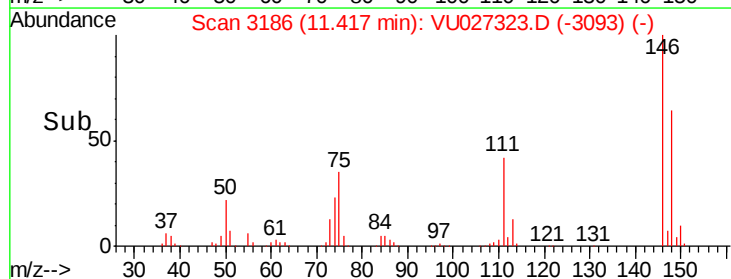
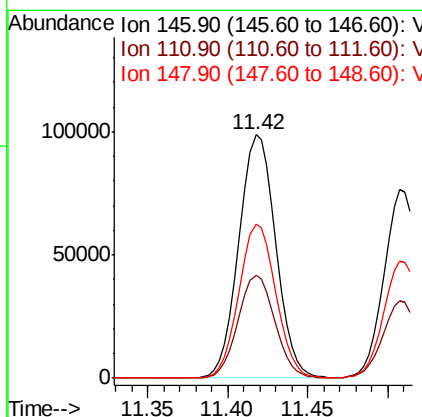
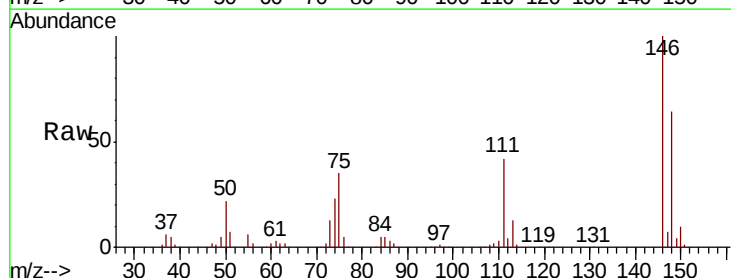
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-VOA-WPDL

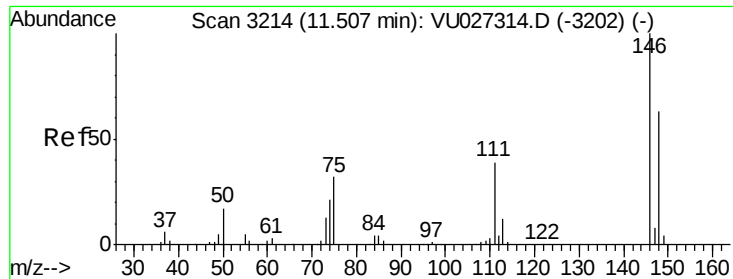
Tot Ion:105 Resp: 223591
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.1 66.5



#87
 1,3-Dichlorobenzene
 Concen: 54.720 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027323.D
 Acq: 01 Oct 2018 17:13

Tgt Ion:146 Resp: 155614
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.8 62.5
 148 63.2 31.6 94.8

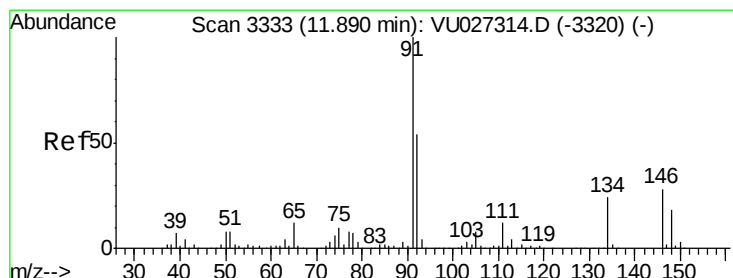
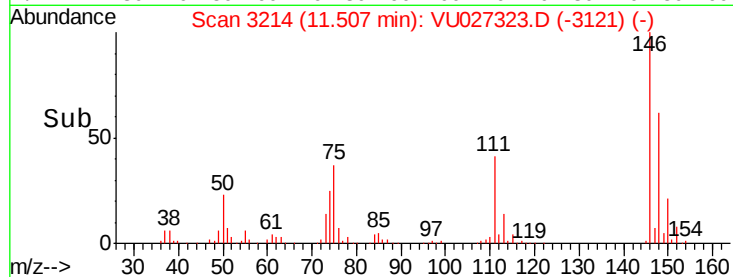
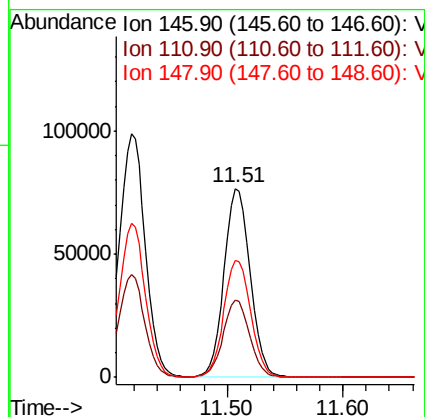
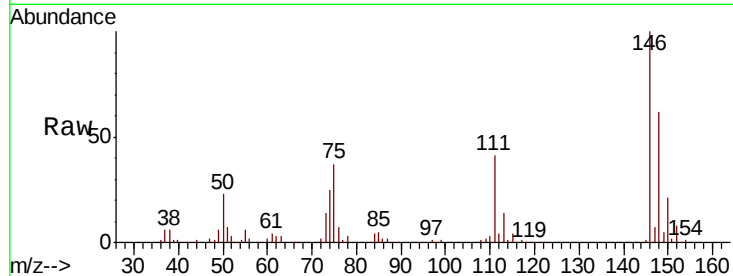




#88
 1,4-Dichlorobenzene
 Concen: 41.220 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027323.D
 Acq: 01 Oct 2018 17:13

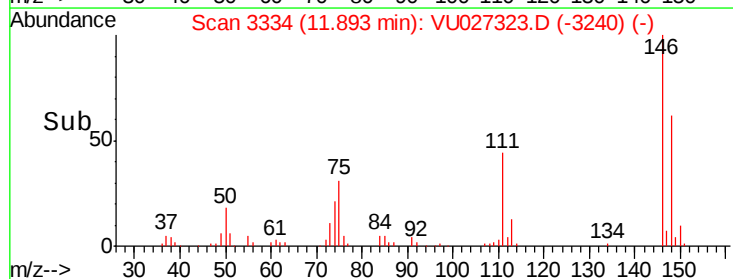
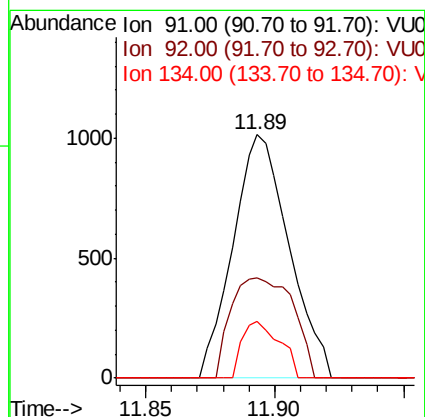
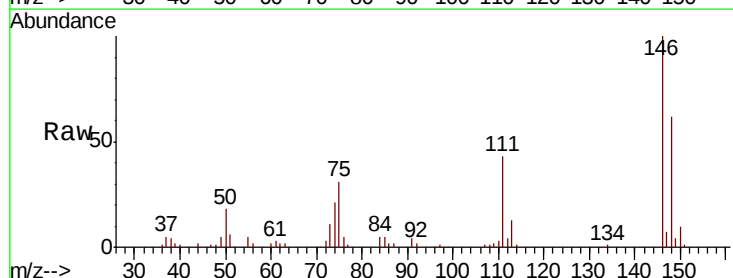
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-VOA-WPDL

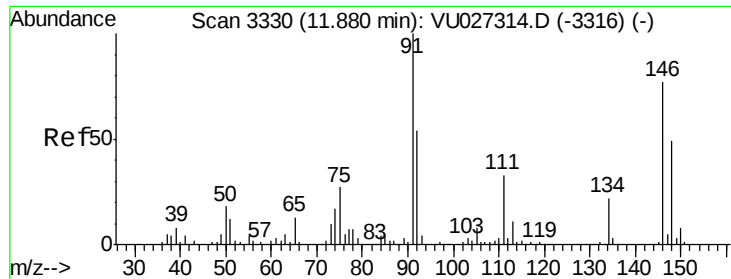
Tot Ion:146 Resp: 119787
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.4 61.2
 148 64.1 31.9 95.5



#89
 n-Butylbenzene
 Concen: 2.203 ug/l
 RT: 11.89 min Scan# 3334
 Delta R.T. 0.00 min
 Lab File: VU027323.D
 Acq: 01 Oct 2018 17:13

Tgt Ion: 91 Resp: 1535
 Ion Ratio Lower Upper
 91 100
 92 45.6 27.0 81.0
 134 15.6 11.7 35.1

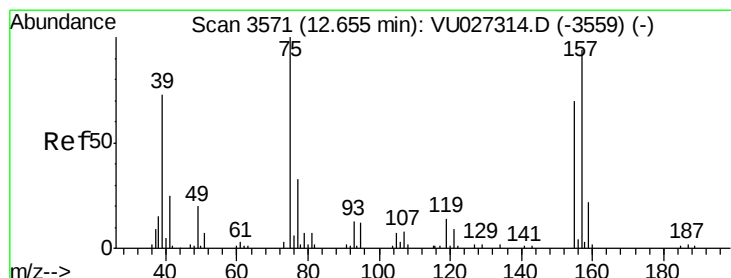
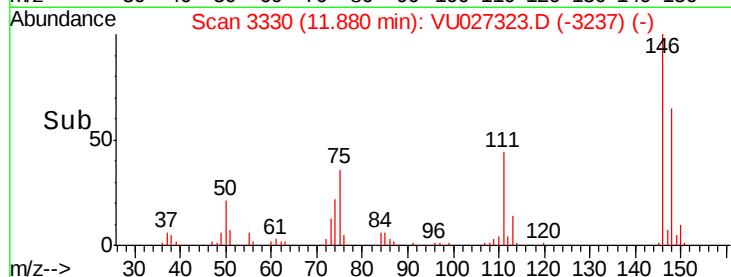
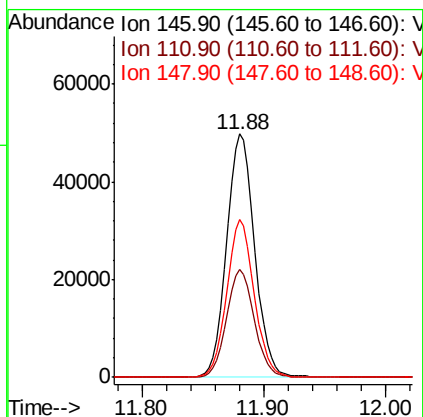
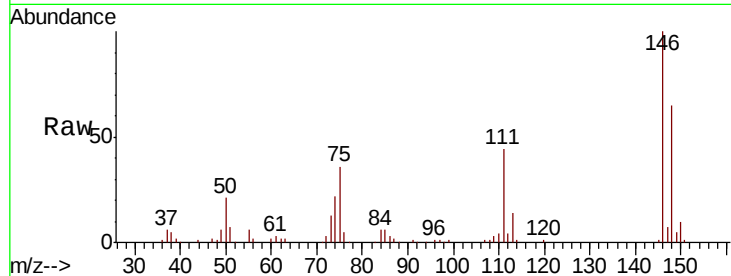




#91
 1,2-Dichlorobenzene
 Concen: 29.015 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027323.D
 Acq: 01 Oct 2018 17:13

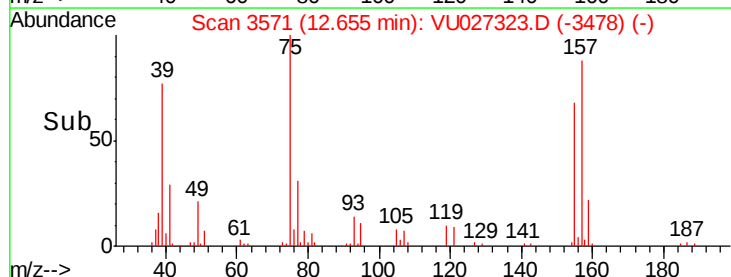
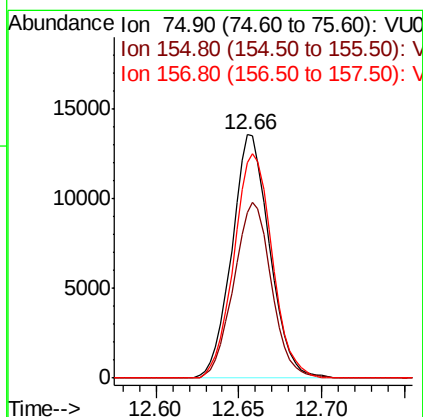
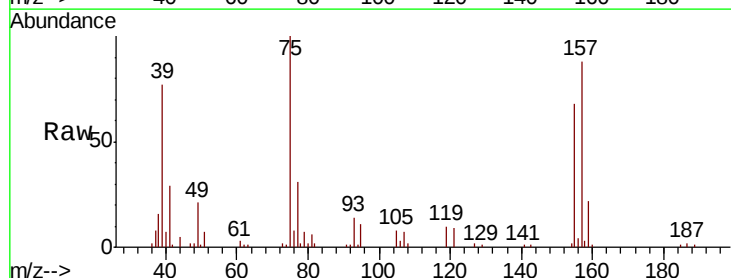
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-VOA-WPDL

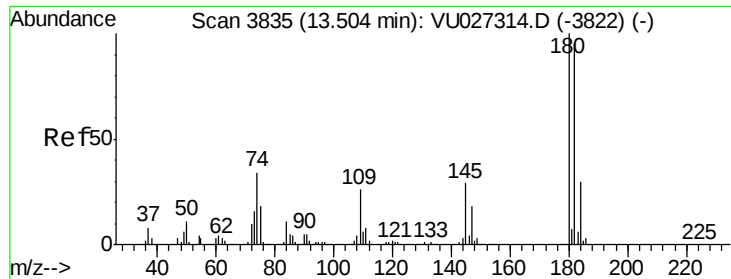
Tot Ion:146 Resp: 80317
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.8 65.4
 148 63.1 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 38.281 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027323.D
 Acq: 01 Oct 2018 17:13

Tgt Ion: 75 Resp: 21528
 Ion Ratio Lower Upper
 75 100
 155 71.9 35.9 107.8
 157 93.5 46.9 140.6

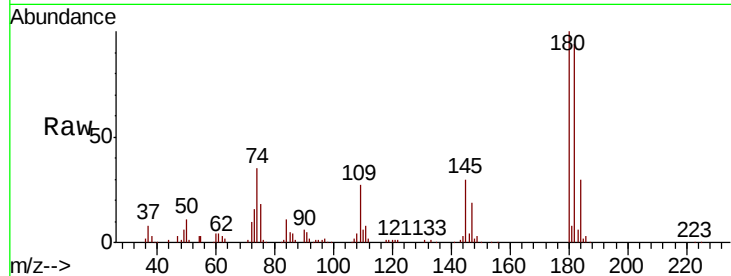




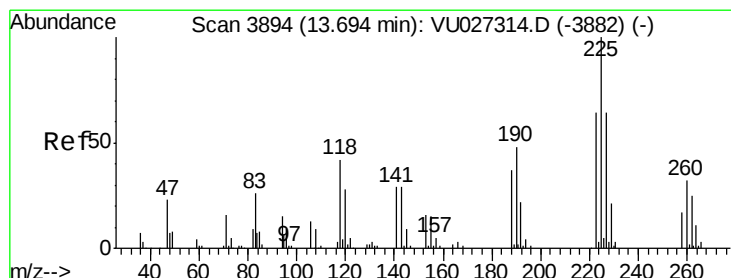
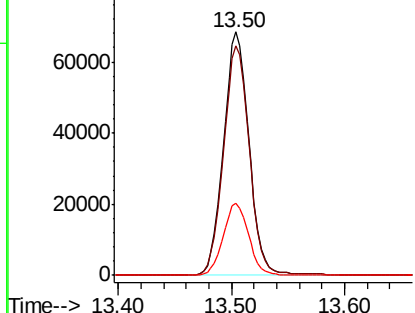
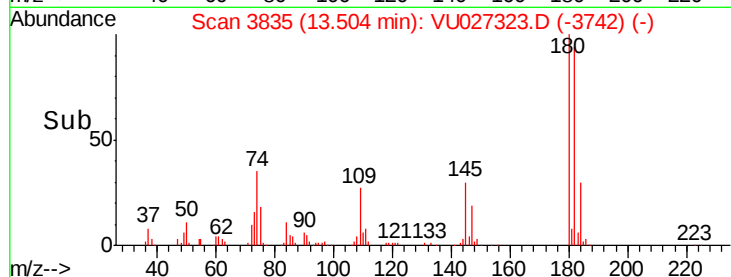
#93
 1,2,4-Trichlorobenzene
 Concen: 59.983 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027323.D
 Acq: 01 Oct 2018 17:13

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-VOA-WPDL

Tot Ion:180 Resp: 107440
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.4 142.3
 145 29.5 14.6 44.0

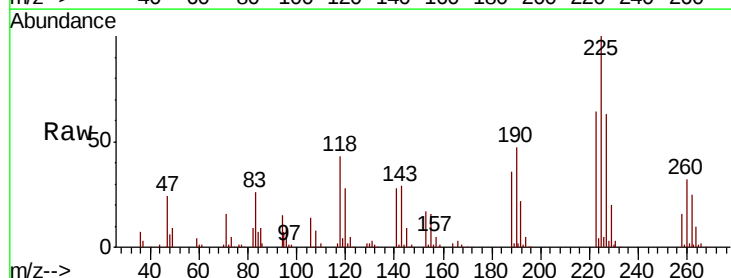


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

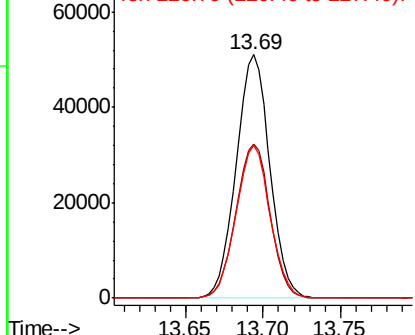
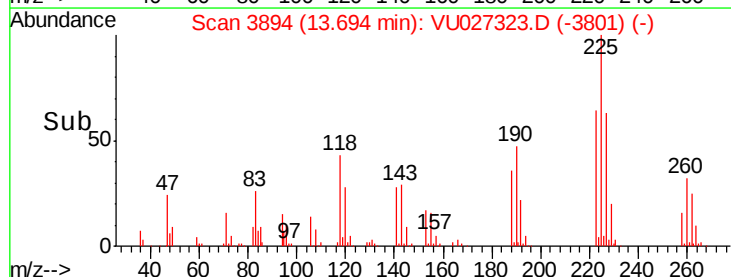


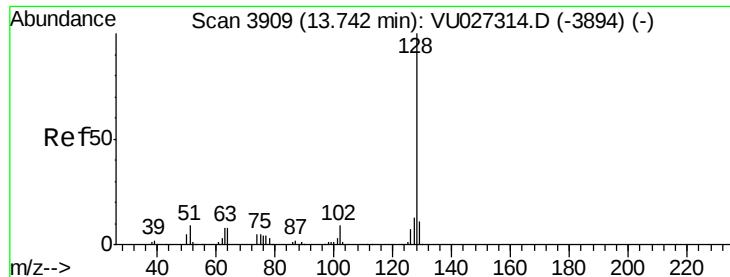
#94
 Hexachlorobutadiene
 Concen: 85.217 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027323.D
 Acq: 01 Oct 2018 17:13

Tgt Ion:225 Resp: 77119
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.8 95.3
 227 63.3 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 64.275 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU027323.D

Acq: 01 Oct 2018 17:13

Instrument :

MSVOA_U

ClientSampleId :

PT-VOA-WPDL

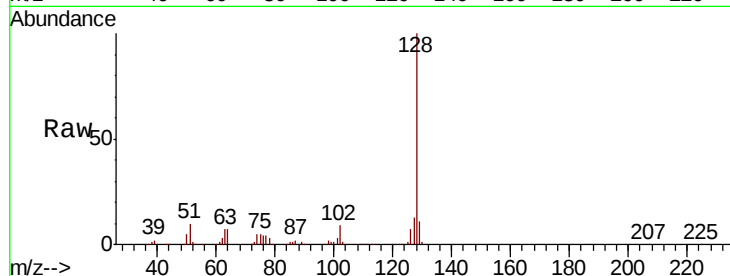
Tot Ion:128 Resp: 435675

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

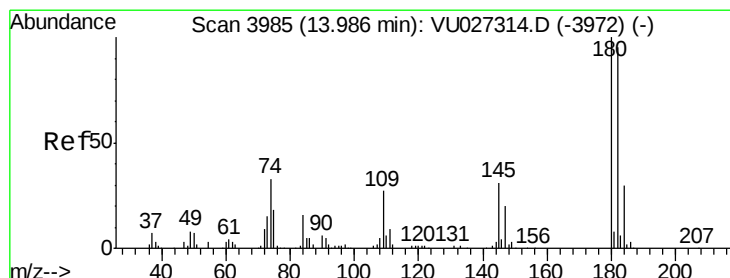
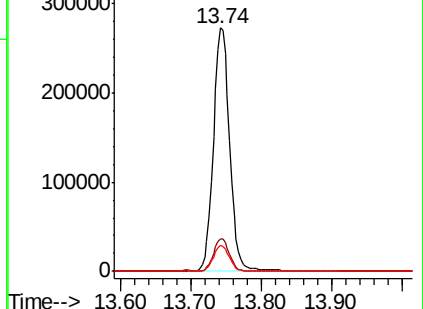
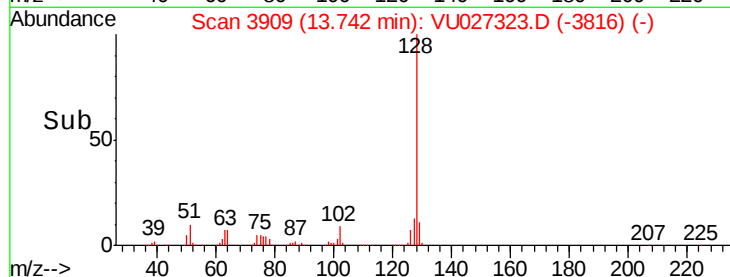
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.789 ug/l

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU027323.D

Acq: 01 Oct 2018 17:13

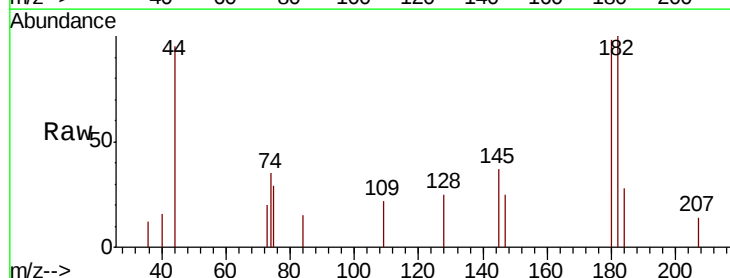
Tgt Ion:180 Resp: 1472

Ion Ratio Lower Upper

180 100

182 99.3 47.4 142.2

145 29.6 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

