

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100118\
 Data File : VU027321.D
 Acq On : 01 Oct 2018 16:24
 Operator : MD/SY
 Sample : J4870-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-VOA-WP

Quant Time: Oct 02 07:51:02 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	4.98	168	115889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	198878	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	187272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	90710	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	95598	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	4.88	113	67491	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
50) Toluene-d8	7.57	98	259370	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	10.31	95	91951	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	

Target Compounds					Qvalue
3) Chloromethane	1.33	50	2599	1.149 ug/l	89
4) Vinyl Chloride	1.40	62	93033	43.753 ug/l	99
5) Bromomethane	1.63	94	51255	55.707 ug/l	96
6) Chloroethane	1.70	64	38470	30.108 ug/l	100
10) Methyl Iodide	2.41	142	2642	10.337 ug/l #	89
16) Acetone	2.32	43	129123	112.948 ug/l	100
19) Methyl tert-butyl Ether	3.00	73	470671	95.959 ug/l	99
20) Methylene Chloride	2.70	84	42631	26.771 ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	29118	21.187 ug/l	98
24) 1,1-Dichloroethane	3.45	63	152086	50.072 ug/l	100
25) 2-Butanone	4.26	43	290915	186.610 ug/l	100
30) Chloroform	4.67	83	134988	50.022 ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	32790	14.427 ug/l	99
40) Benzene	5.39	78	467174	74.273 ug/l	100
44) Trichloroethene	6.19	130	84135	59.987 ug/l	97
45) 1,2-Dichloropropane	6.43	63	151532	83.524 ug/l	96
46) Dibromomethane	6.56	93	119687	116.807 ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	398039	141.323 ug/l	100
52) Toluene	7.64	92	169938	45.646 ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	275879	102.944 ug/l	99
59) 2-Hexanone	8.36	43	271385	124.213 ug/l	100
60) Dibromochloromethane	8.48	129	94766	64.011 ug/l	100
61) 1,2-Dibromoethane	8.59	107	142523	90.812 ug/l	99
64) Tetrachloroethene	8.23	164	53030	45.488 ug/l	99
65) Chlorobenzene	9.12	112	145610	36.939 ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	173077	127.186 ug/l	98
67) Ethyl Benzene	9.25	91	95165	13.626 ug/l	99
68) m/p-Xylenes	9.38	106	83915	32.848 ug/l	99
69) o-Xylene	9.78	106	171094	70.477 ug/l	98
70) Styrene	9.79	104	430905	92.889 ug/l	97
71) Bromoform	9.96	173	91517	83.588 ug/l #	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	331964	128.326 ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	287533	122.281 ug/l	86
80) 1,3,5-Trimethylbenzene	10.77	105	226020	42.139 ug/l	98

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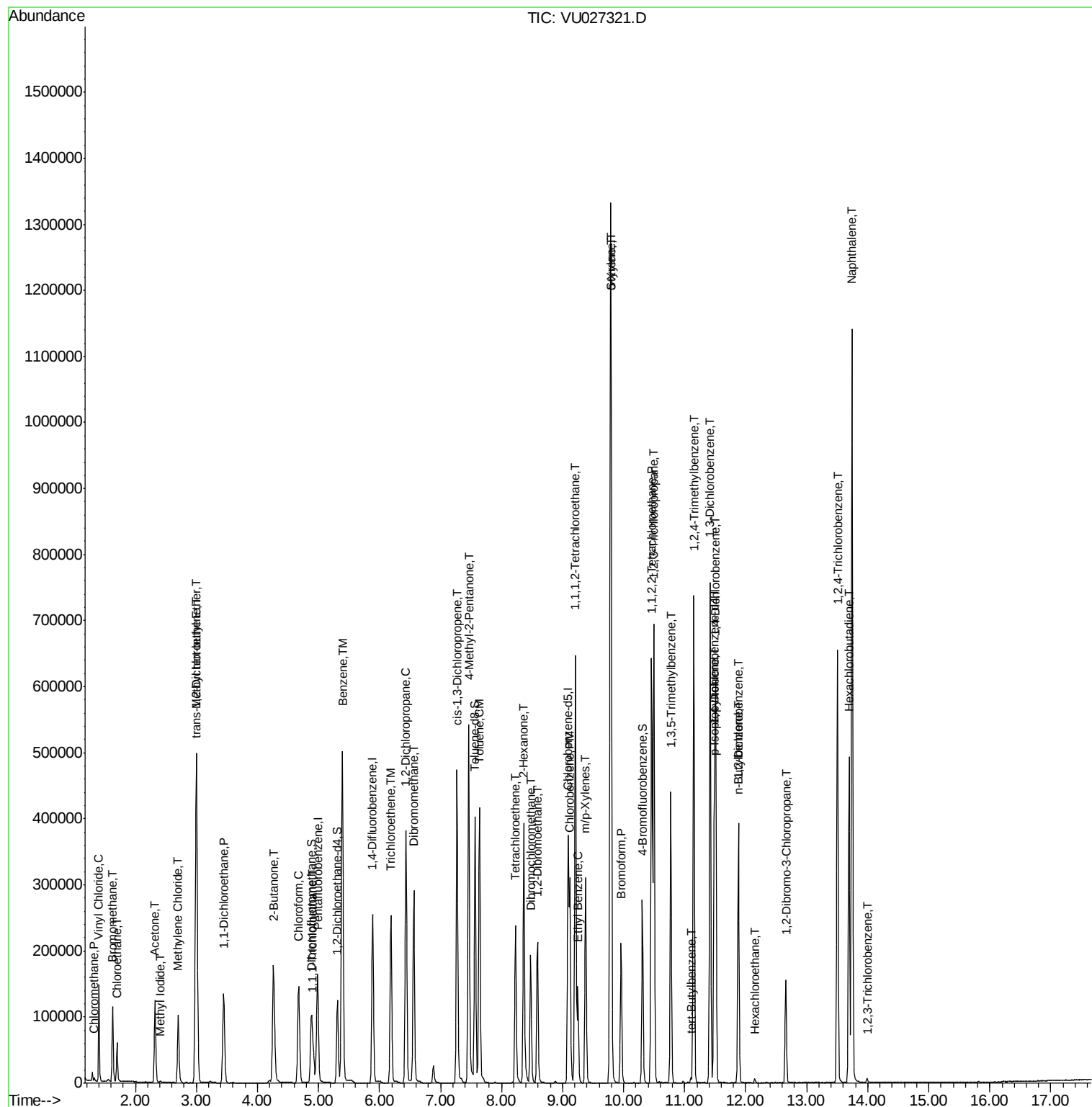
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	11.10	119	1567	0.302	ug/l #	37
84) 1,2,4-Trimethylbenzene	11.15	105	385347	70.331	ug/l	100
86) p-Isopropyltoluene	11.48	119	1432	0.256	ug/l	90
87) 1,3-Dichlorobenzene	11.42	146	277942	95.868	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	214494	72.400	ug/l	100
89) n-Butylbenzene	11.89	91	1057	2.121	ug/l	93
90) Hexachloroethane	12.15	117	1091	1.035	ug/l	93
91) 1,2-Dichlorobenzene	11.88	146	145673	51.619	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	40960	71.444	ug/l	98
93) 1,2,4-Trichlorobenzene	13.50	180	187136	102.481	ug/l	99
94) Hexachlorobutadiene	13.69	225	88438	95.858	ug/l	98
95) Naphthalene	13.74	128	815647	116.646	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	2080	1.093	ug/l	92

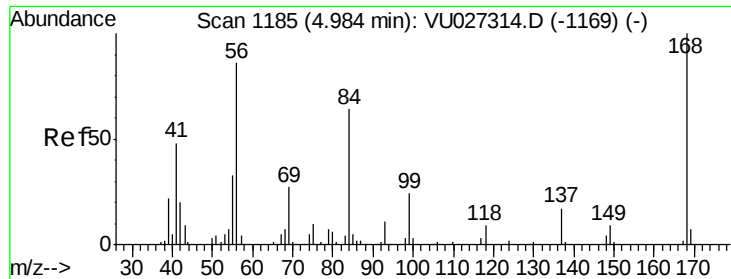
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027321.D

Acq: 01 Oct 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

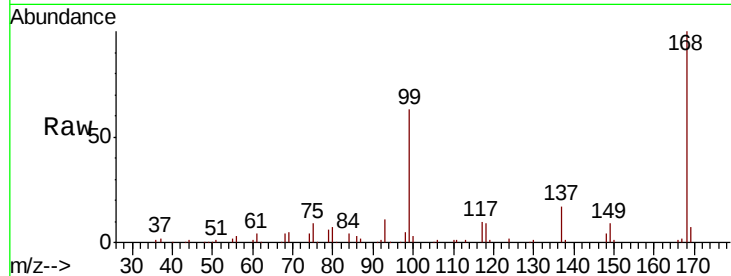
PT-VOA-WP

Tot Ion:168 Resp: 115889

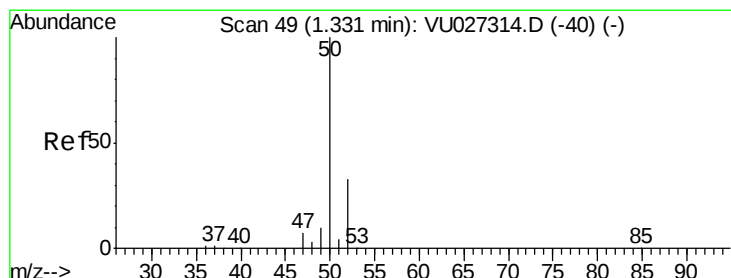
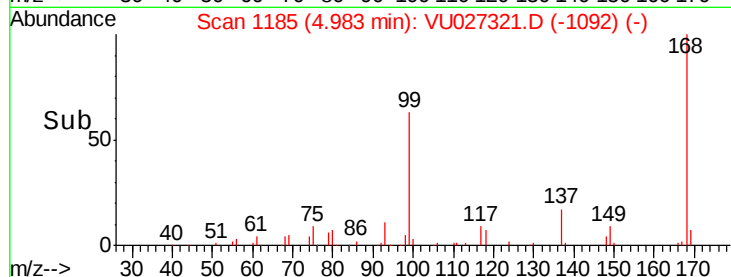
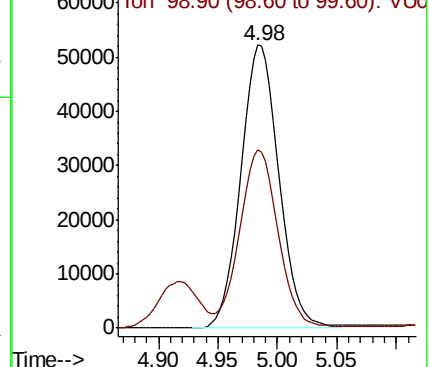
Ion Ratio Lower Upper

168 100

99 62.2 50.8 76.2



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



#3

Chloromethane

Concen: 1.149 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027321.D

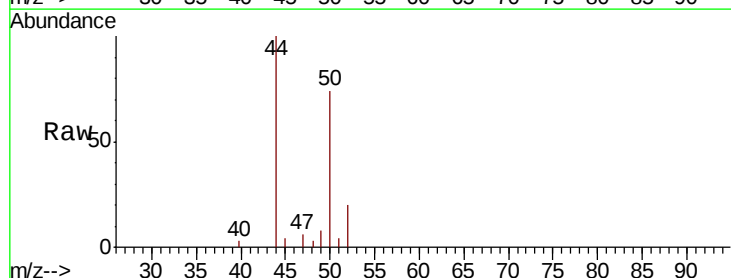
Acq: 01 Oct 2018 16:24

Tgt Ion: 50 Resp: 2599

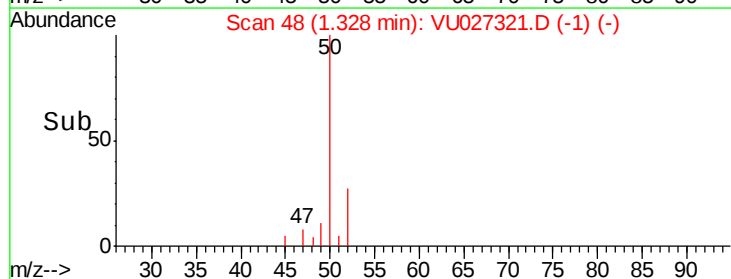
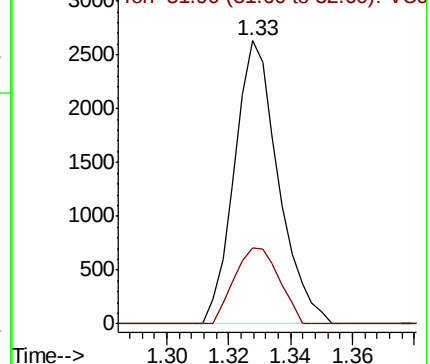
Ion Ratio Lower Upper

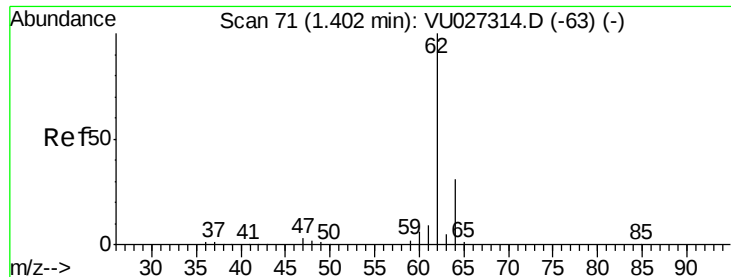
50 100

52 26.9 26.5 39.7



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





#4

Vinyl Chloride

Concen: 43.753 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027321.D

Acq: 01 Oct 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

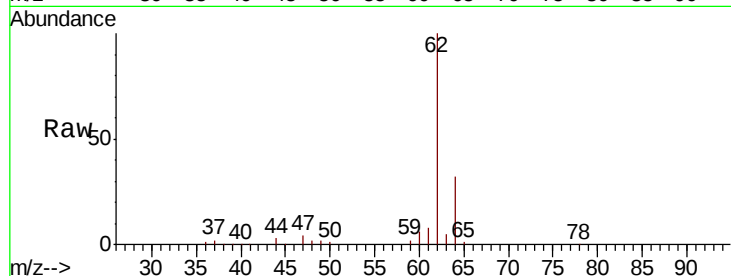
PT-VOA-WP

Tot Ion: 62 Resp: 93033

Ion Ratio Lower Upper

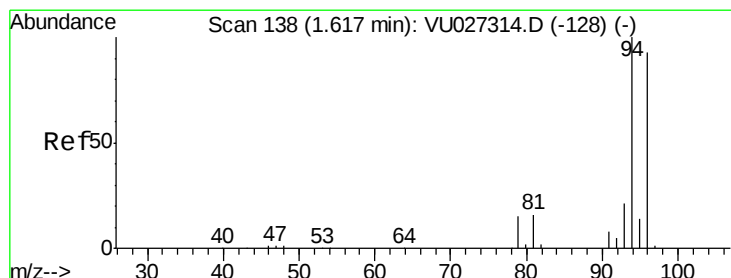
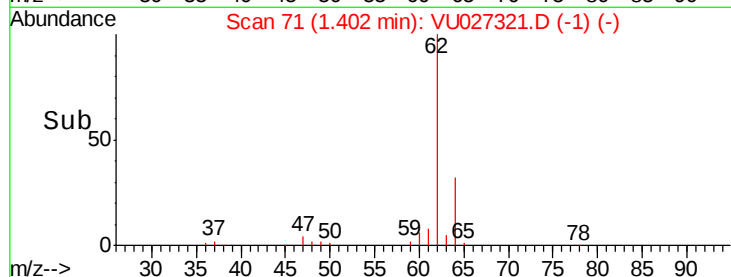
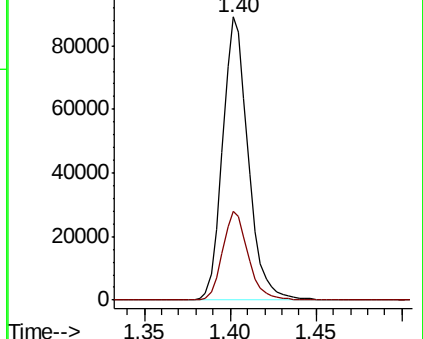
62 100

64 31.6 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#5

Bromomethane

Concen: 55.707 ug/l

RT: 1.63 min Scan# 141

Delta R.T. 0.01 min

Lab File: VU027321.D

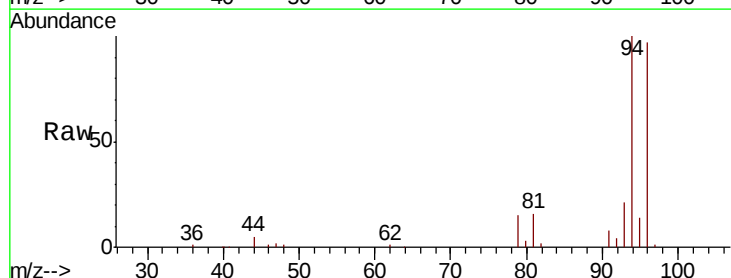
Acq: 01 Oct 2018 16:24

Tgt Ion: 94 Resp: 51255

Ion Ratio Lower Upper

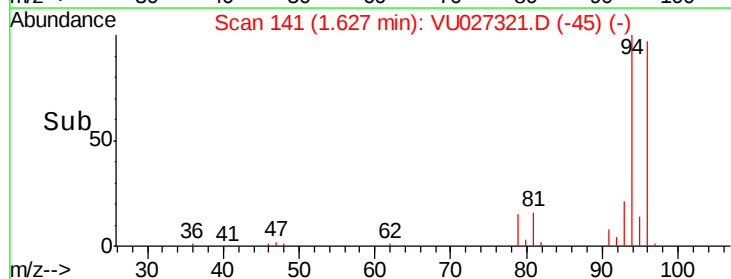
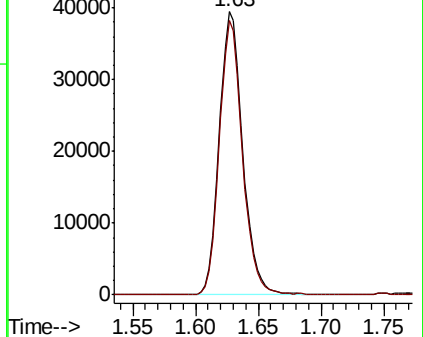
94 100

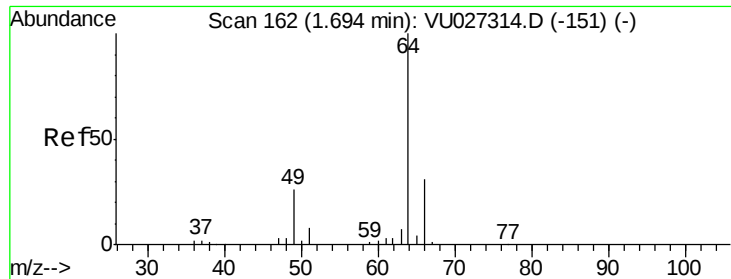
96 96.8 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0





#6

Chloroethane

Concen: 30.108 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU027321.D

Acq: 01 Oct 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

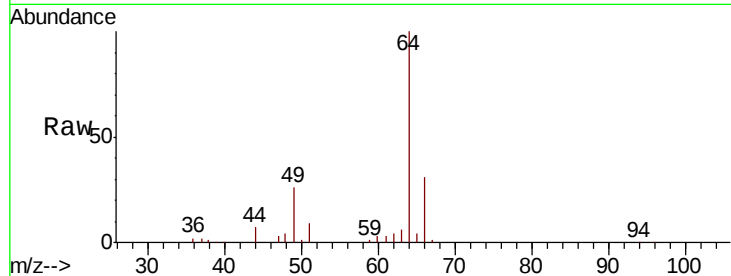
PT-VOA-WP

Tot Ion: 64 Resp: 38470

Ion Ratio Lower Upper

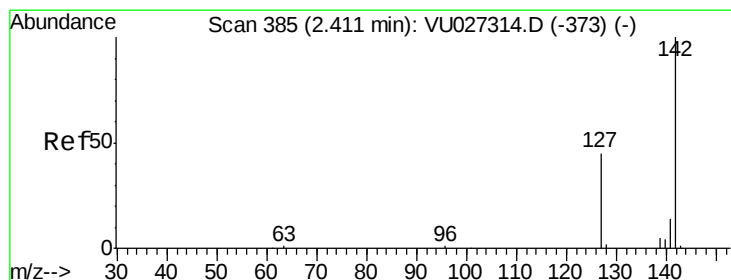
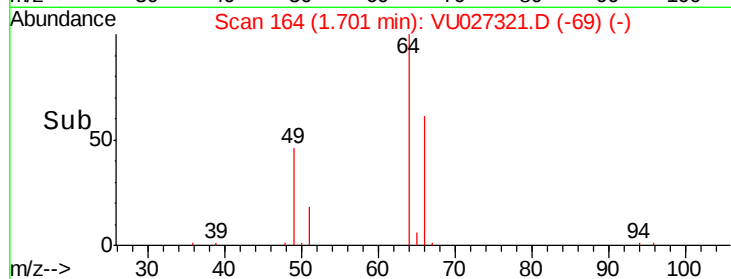
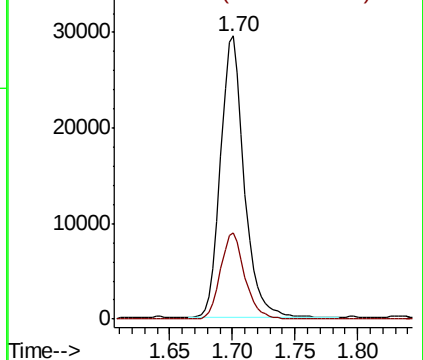
64 100

66 30.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



#10

Methyl Iodide

Concen: 10.337 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU027321.D

Acq: 01 Oct 2018 16:24

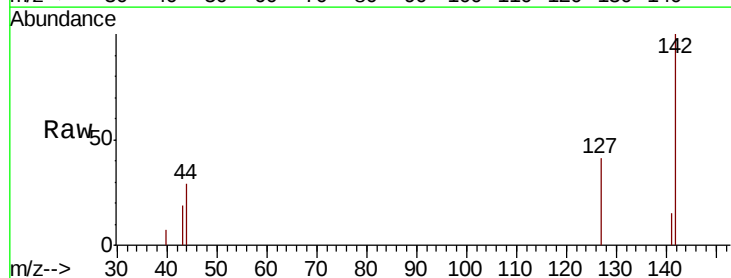
Tgt Ion: 142 Resp: 2642

Ion Ratio Lower Upper

142 100

127 38.6 36.3 54.5

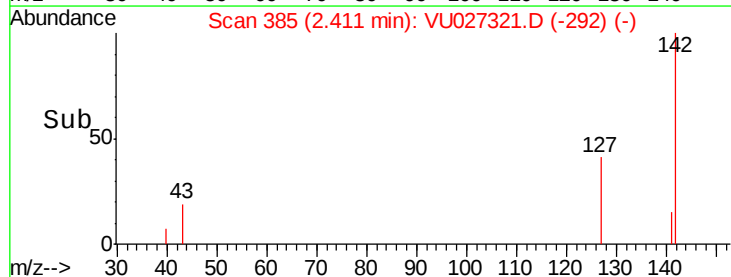
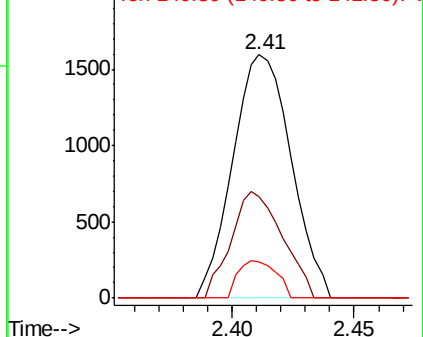
141 9.9 11.6 17.4#

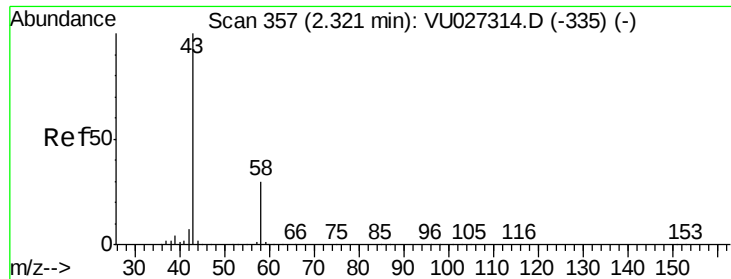


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 112.948 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027321.D

Acq: 01 Oct 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

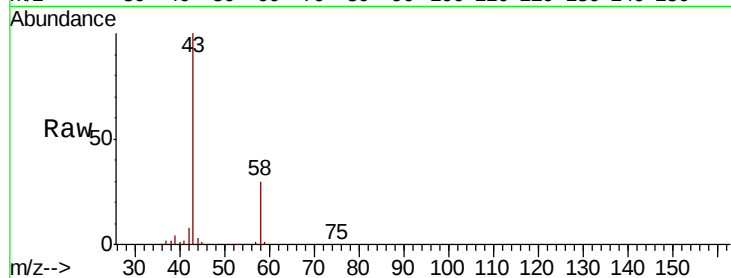
PT-VOA-WP

Tot Ion: 43 Resp: 129123

Ion Ratio Lower Upper

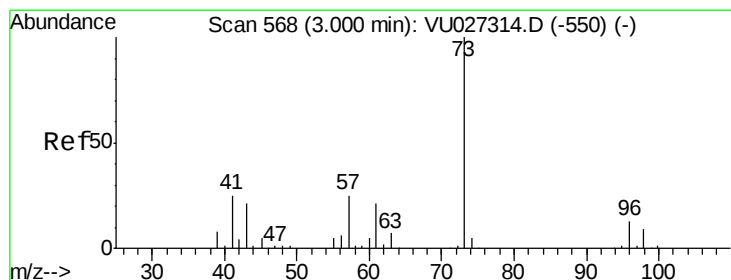
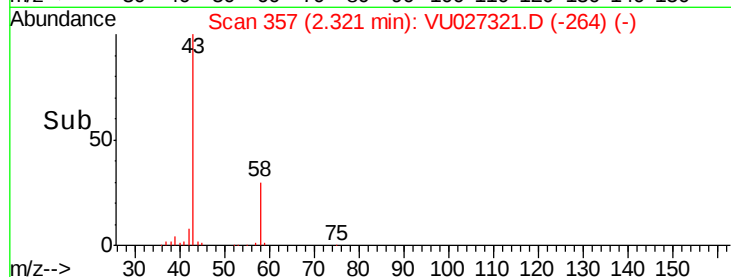
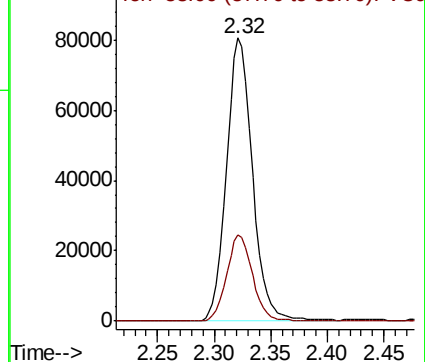
43 100

58 30.4 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: 95.959 ug/l

RT: 3.00 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU027321.D

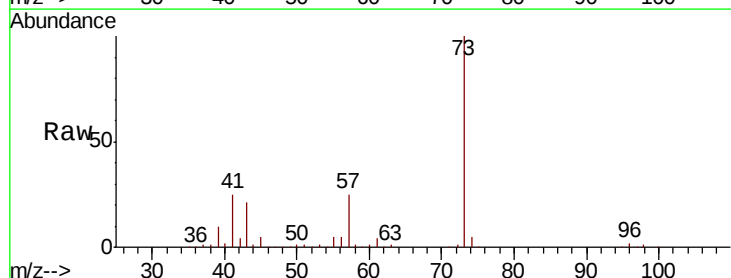
Acq: 01 Oct 2018 16:24

Tgt Ion: 73 Resp: 470671

Ion Ratio Lower Upper

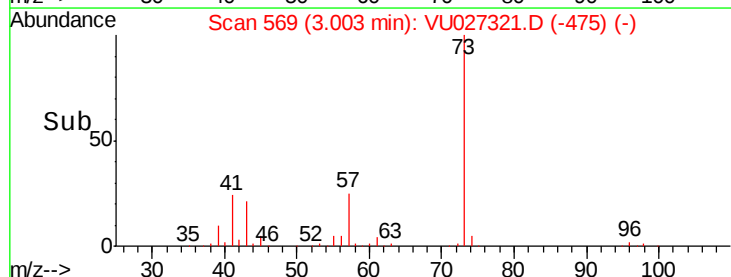
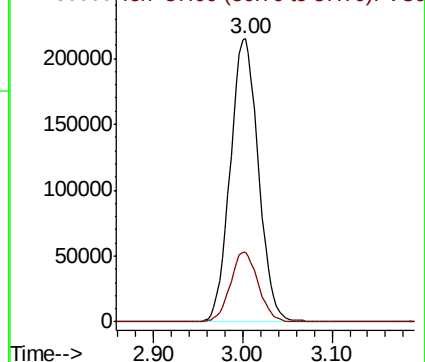
73 100

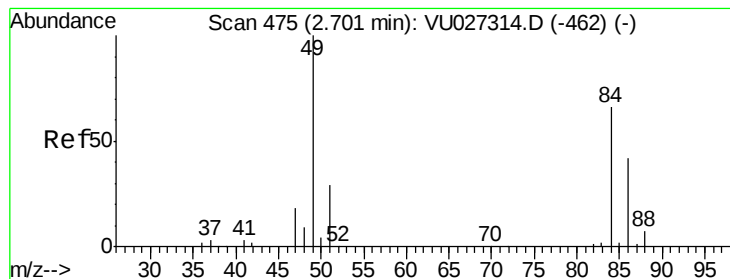
57 24.6 20.0 30.0



Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#20

Methylene Chloride

Concen: 26.771 ug/l

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU027321.D

Acq: 01 Oct 2018 16:24

Instrument :

MSVOA_U

ClientSampled :

PT-VOA-WP

Tot Ion: 84 Resp: 42631

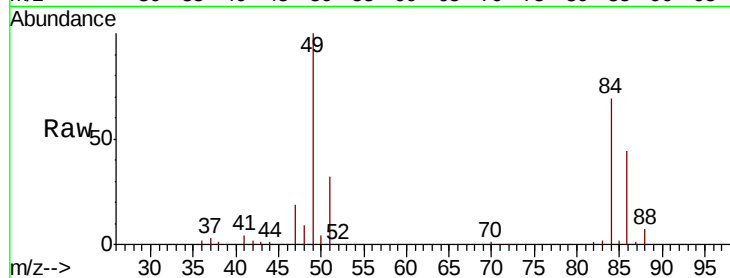
Ion Ratio Lower Upper

84 100

49 145.4 120.5 180.7

51 46.4 35.1 52.7

86 64.5 50.5 75.7

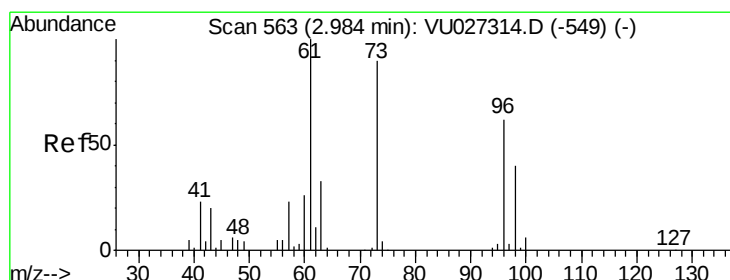
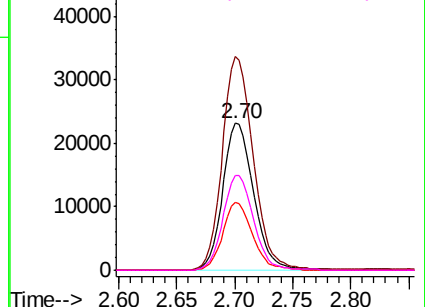
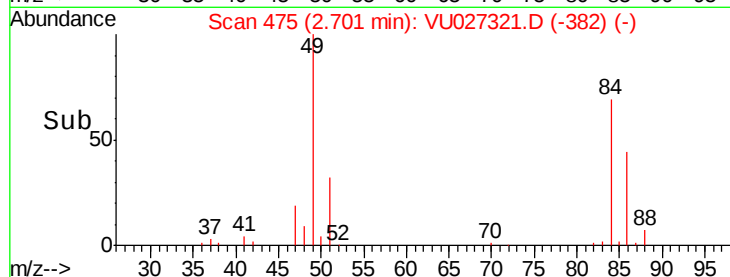


Abundance Ion 83.90 (83.60 to 84.60): VU0

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: 21.187 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027321.D

Acq: 01 Oct 2018 16:24

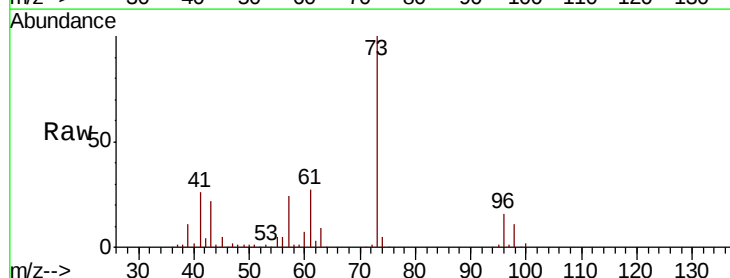
Tgt Ion: 96 Resp: 29118

Ion Ratio Lower Upper

96 100

61 164.6 129.4 194.2

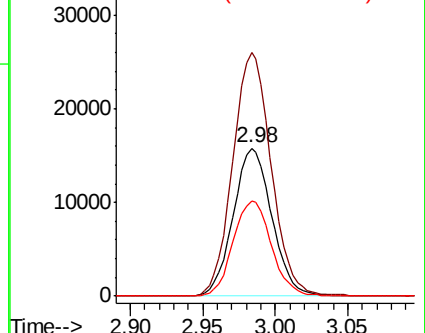
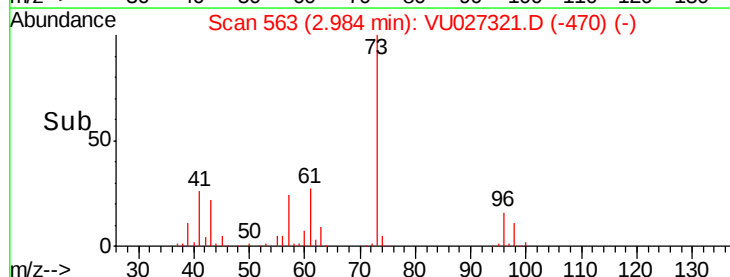
98 64.3 51.2 76.8

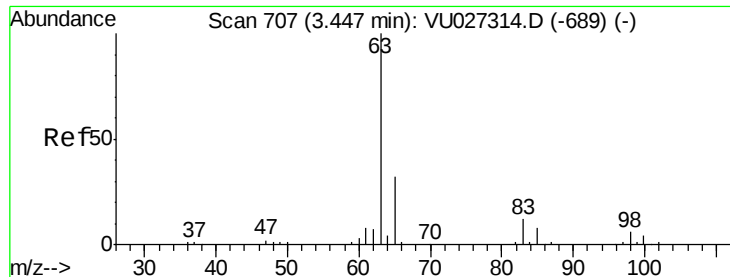


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

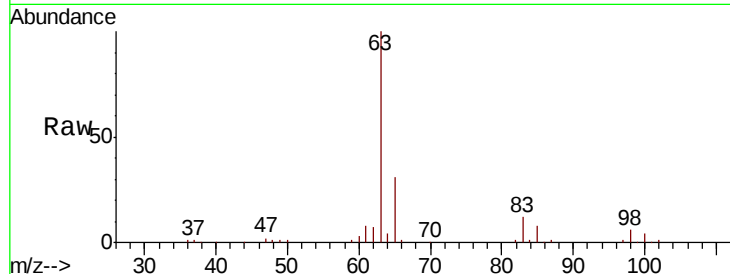




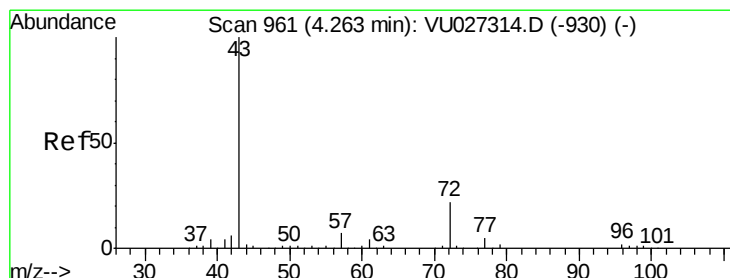
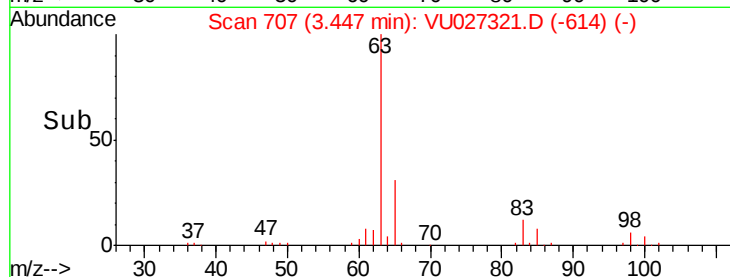
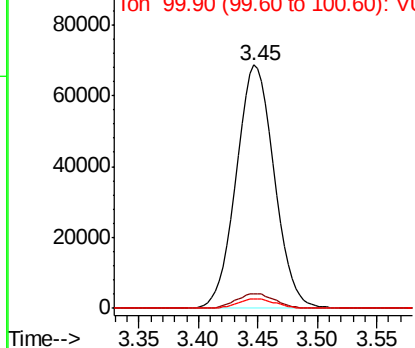
#24
 1,1-Dichloroethane
 Concen: 50.072 ug/l
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU027321.D
 Acq: 01 Oct 2018 16:24

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-VOA-WP

Tot Ion: 63 Resp: 152086
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.0 9.2
 100 3.9 1.8 5.5

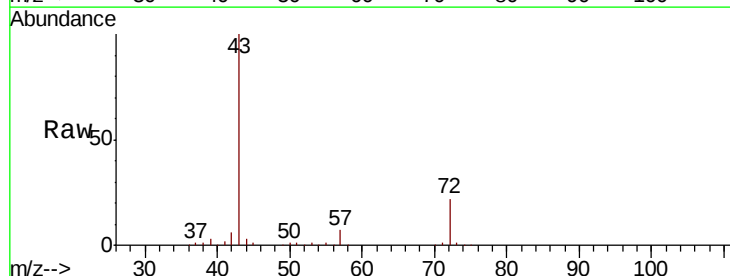


Abundance Ion 62.90 (62.60 to 63.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0
 Ion 99.90 (99.60 to 100.60): VU0

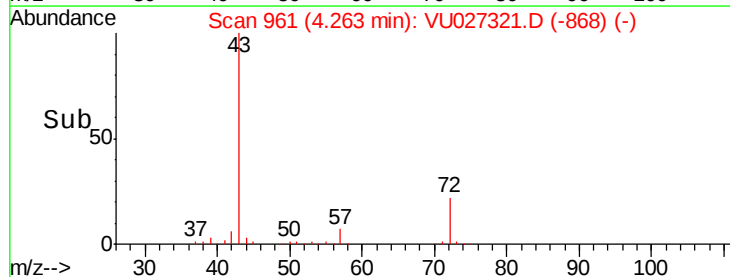
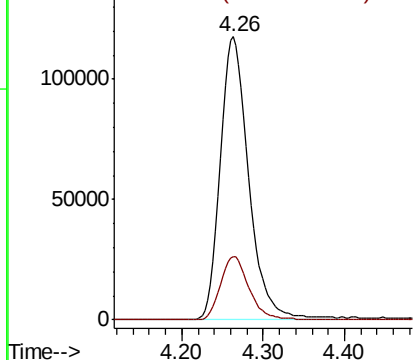


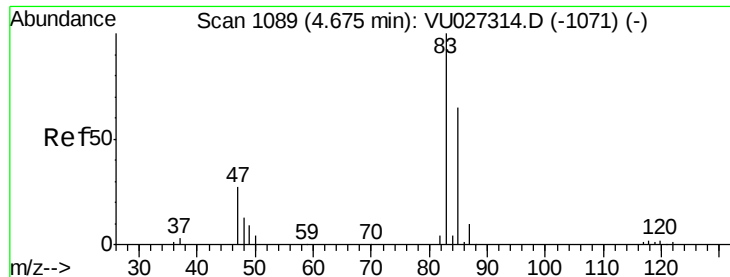
#25
 2-Butanone
 Concen: 186.610 ug/l
 RT: 4.26 min Scan# 961
 Delta R.T. -0.00 min
 Lab File: VU027321.D
 Acq: 01 Oct 2018 16:24

Tgt Ion: 43 Resp: 290915
 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

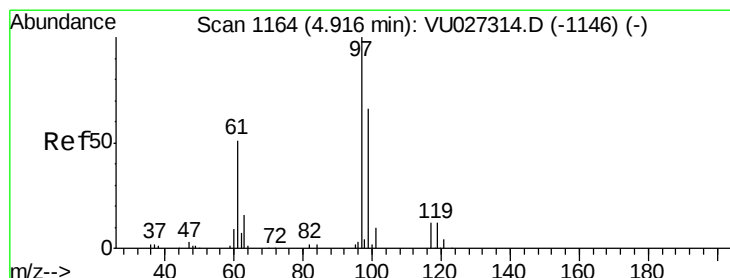
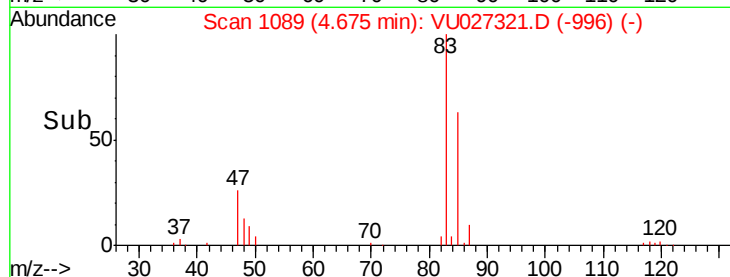
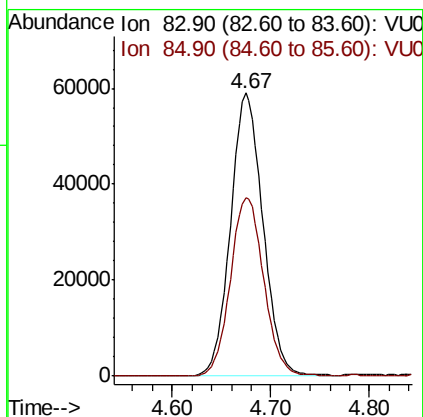
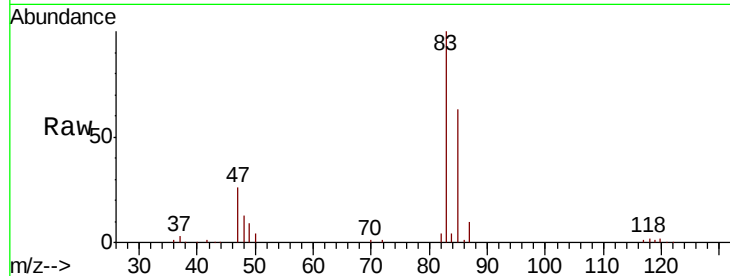




#30
Chloroform
Concen: 50.022 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027321.D
Acq: 01 Oct 2018 16:24

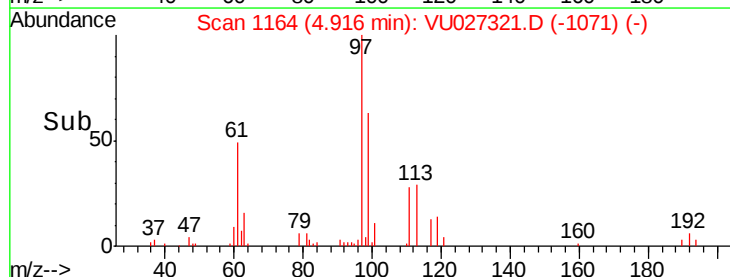
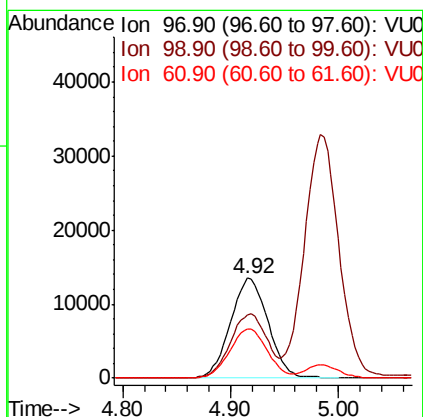
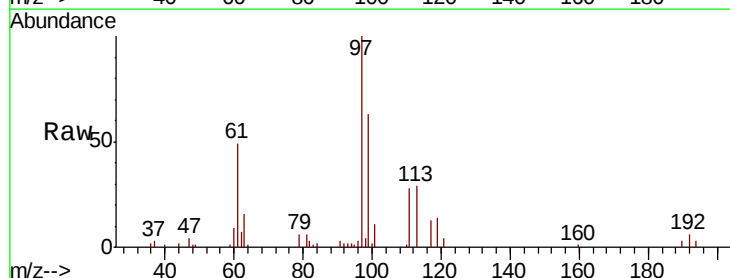
Instrument :
MSVOA_U
ClientSampleId :
PT-VOA-WP

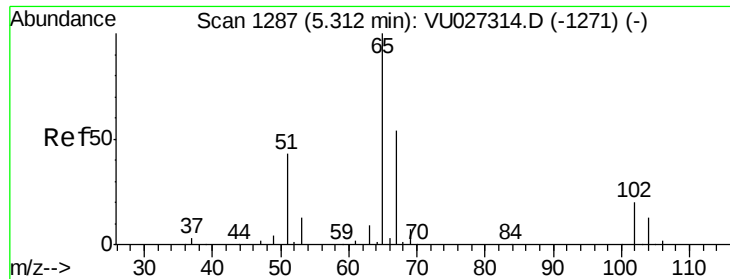
Tot Ion: 83 Resp: 134988
Ion Ratio Lower Upper
83 100
85 63.0 51.8 77.6



#32
1,1,1-Trichloroethane
Concen: 14.427 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027321.D
Acq: 01 Oct 2018 16:24

Tgt Ion: 97 Resp: 32790
Ion Ratio Lower Upper
97 100
99 62.8 51.1 76.7
61 49.2 39.6 59.4

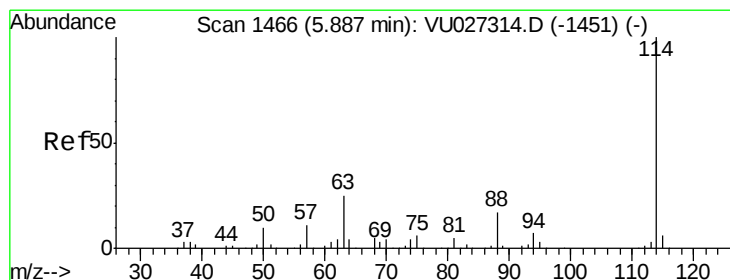
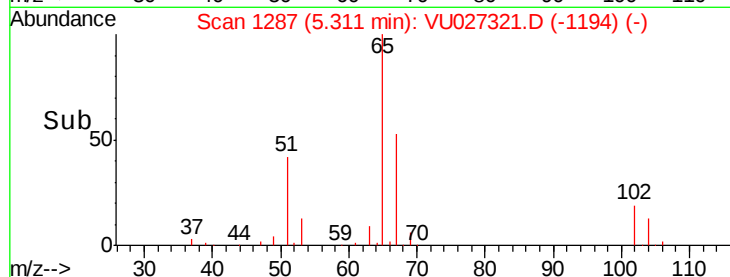
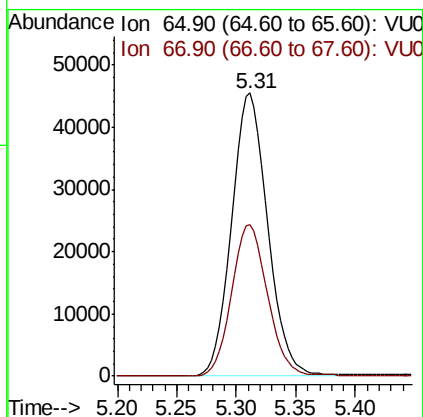
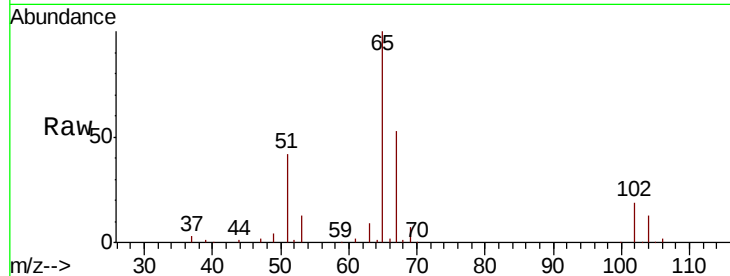




#33
 1,2-Dichloroethane-d4
 Concen: 49.401 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027321.D
 Acq: 01 Oct 2018 16:24

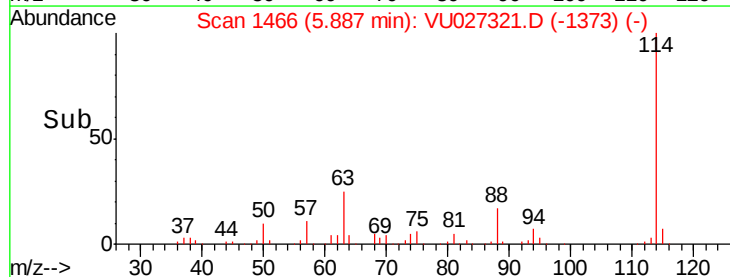
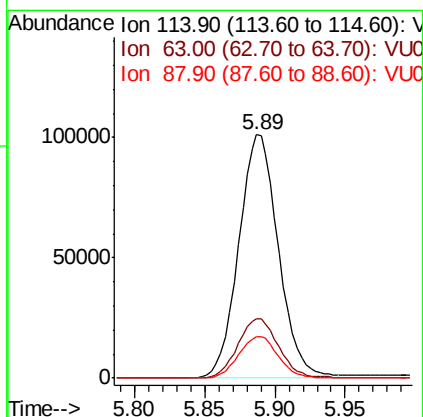
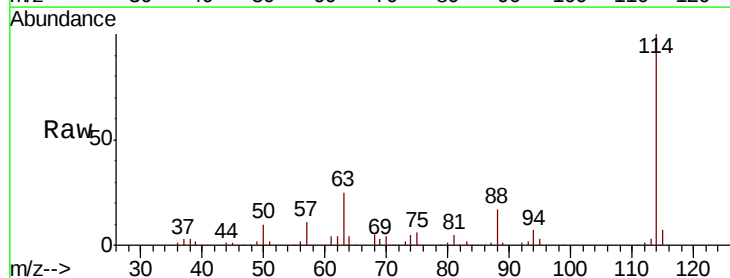
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-VOA-WP

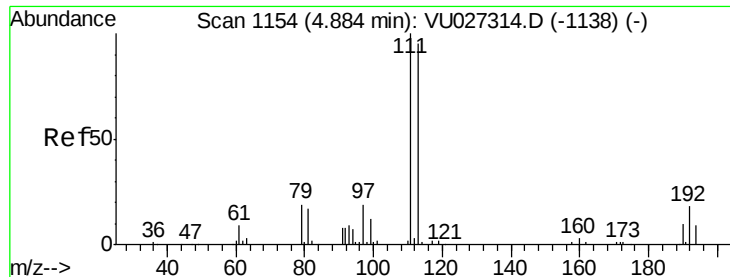
Tot Ion: 65 Resp: 95598
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027321.D
 Acq: 01 Oct 2018 16:24

Tgt Ion: 114 Resp: 198878
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 50.2
 88 17.0 0.0 33.8

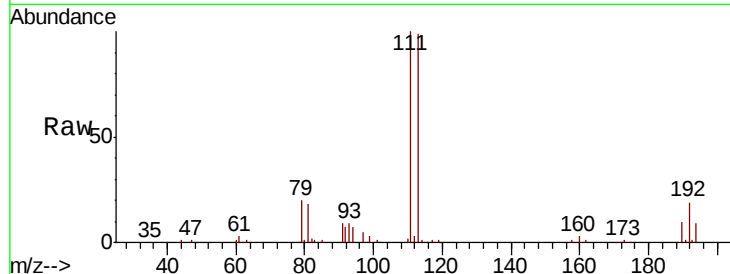




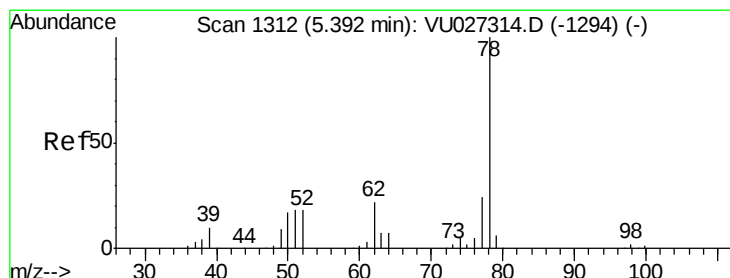
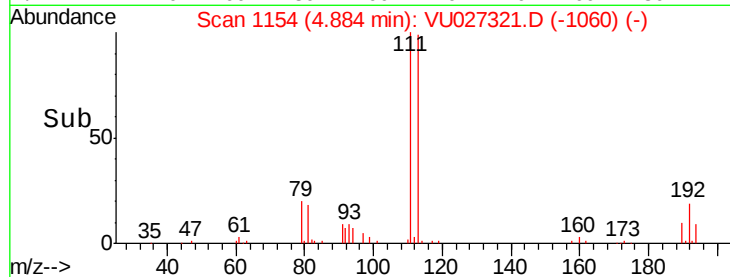
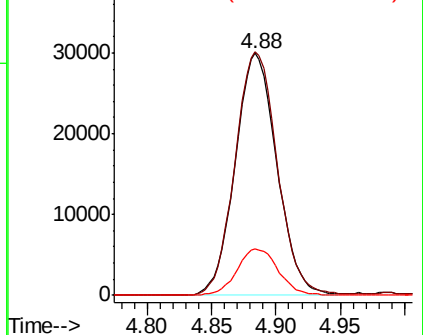
#35
 Dibromofluoromethane
 Concen: 49.518 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027321.D
 Acq: 01 Oct 2018 16:24

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-VOA-WP

Tot Ion:113 Resp: 67491
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.1 124.7
 192 18.9 15.4 23.0

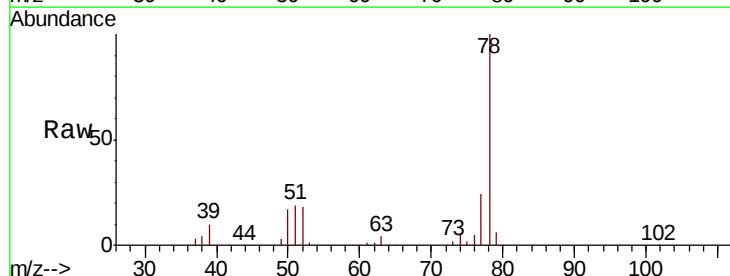


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

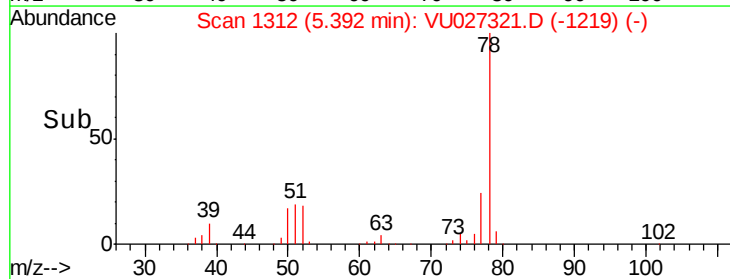
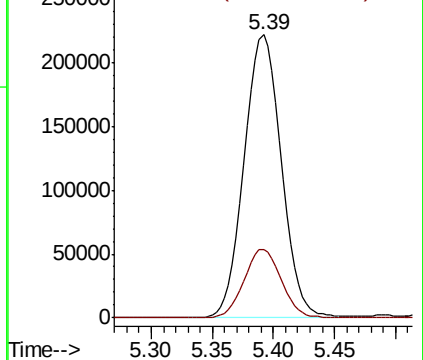


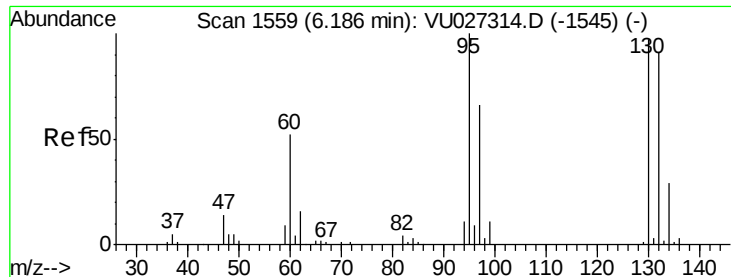
#40
 Benzene
 Concen: 74.273 ug/l
 RT: 5.39 min Scan# 1312
 Delta R.T. -0.00 min
 Lab File: VU027321.D
 Acq: 01 Oct 2018 16:24

Tgt Ion: 78 Resp: 467174
 Ion Ratio Lower Upper
 78 100
 77 24.3 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: 59.987 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027321.D

Acq: 01 Oct 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

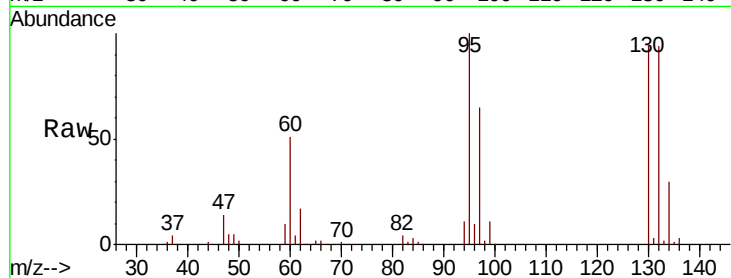
PT-VOA-WP

Tot Ion:130 Resp: 84135

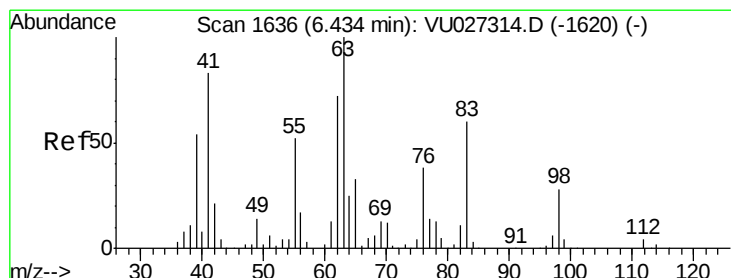
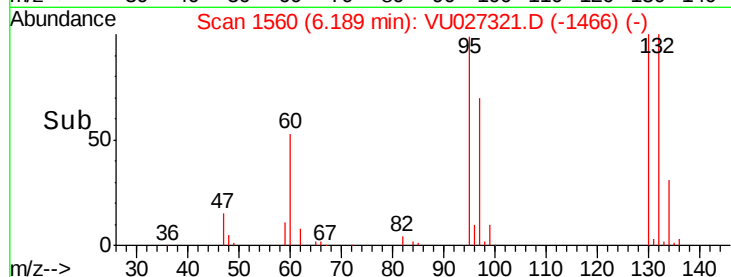
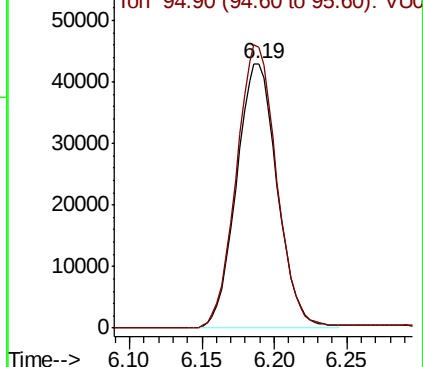
Ion Ratio Lower Upper

130 100

95 106.2 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VU027321.D (-1545) (-)



#45

1,2-Dichloropropane

Concen: 83.524 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU027321.D

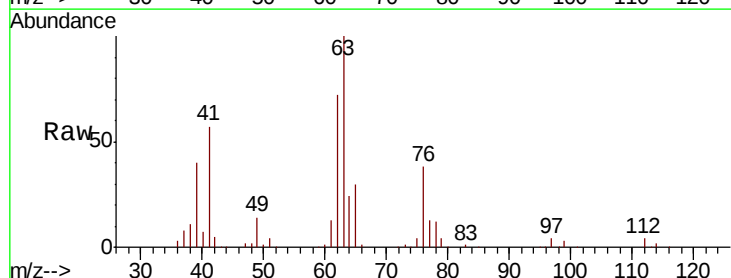
Acq: 01 Oct 2018 16:24

Tgt Ion: 63 Resp: 151532

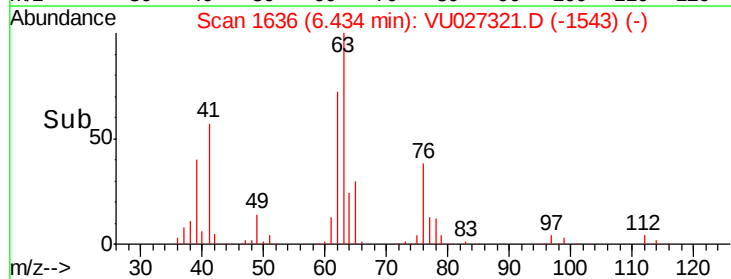
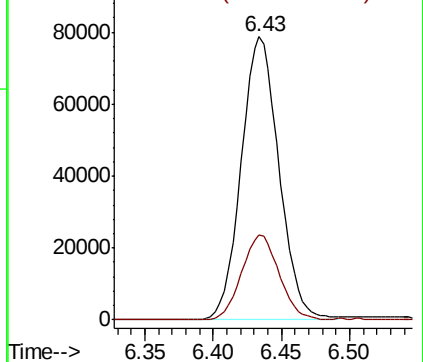
Ion Ratio Lower Upper

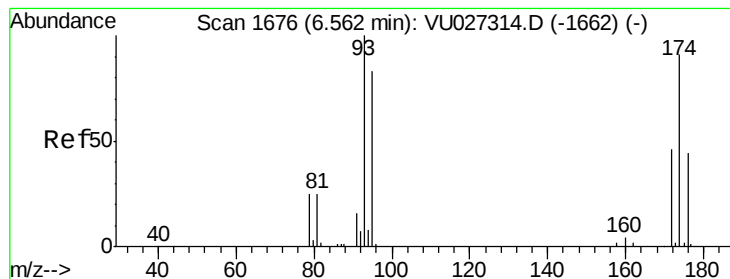
63 100

65 30.1 26.0 39.0



Abundance Ion 62.90 (62.60 to 63.60): VU027321.D (-1543) (-)





#46

Dibromomethane

Concen: 116.807 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VU027321.D

Acq: 01 Oct 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

PT-VOA-WP

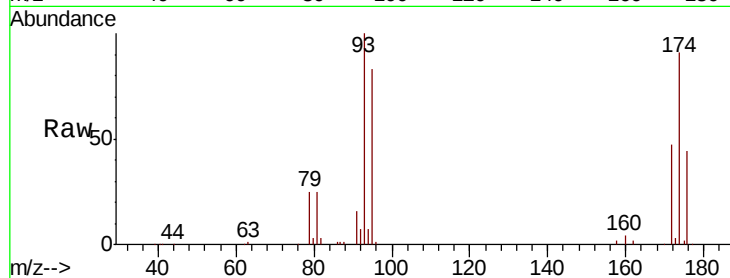
Tot Ion: 93 Resp: 119687

Ion Ratio Lower Upper

93 100

95 82.8 66.5 99.7

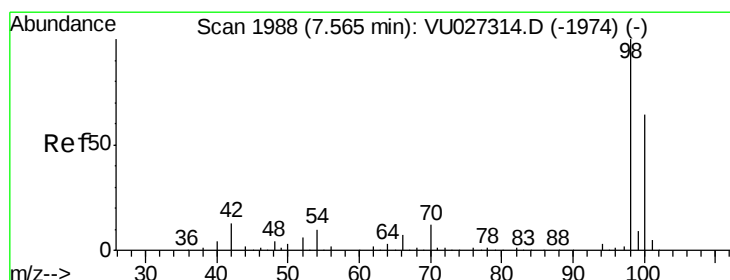
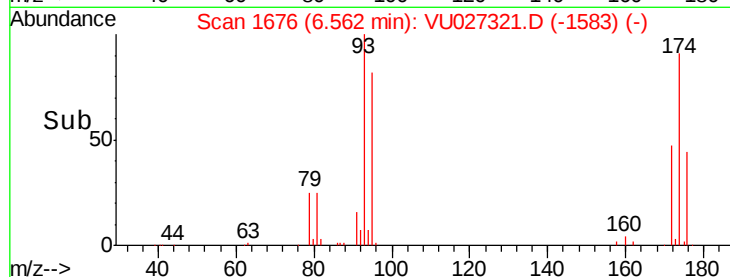
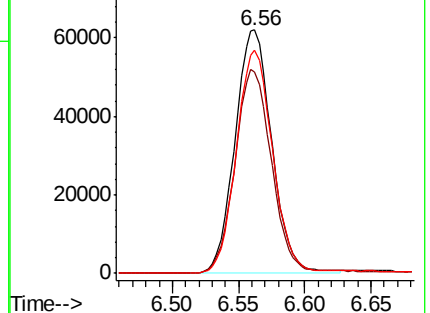
174 91.2 72.5 108.7



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): VU0



#50

Toluene-d8

Concen: 50.845 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU027321.D

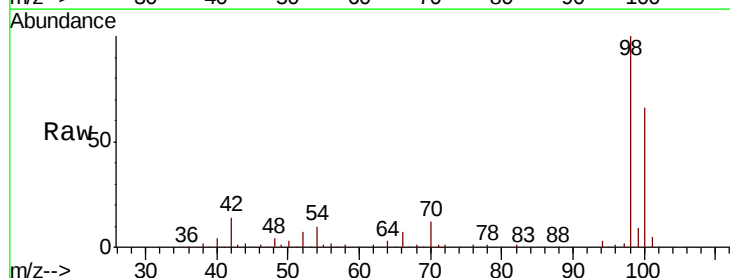
Acq: 01 Oct 2018 16:24

Tgt Ion: 98 Resp: 259370

Ion Ratio Lower Upper

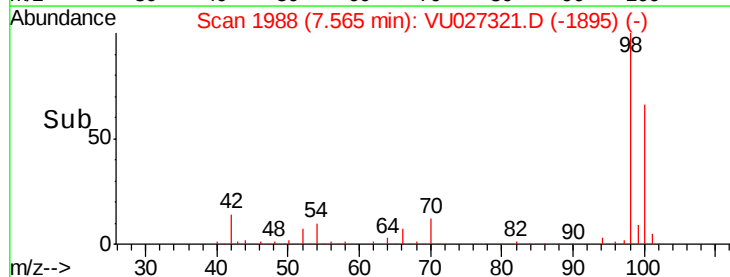
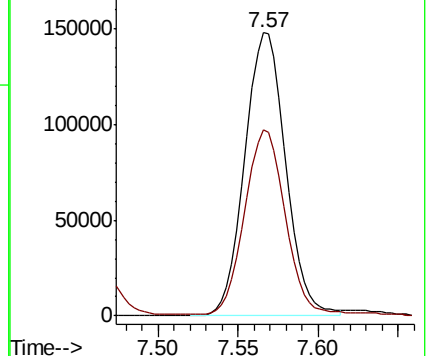
98 100

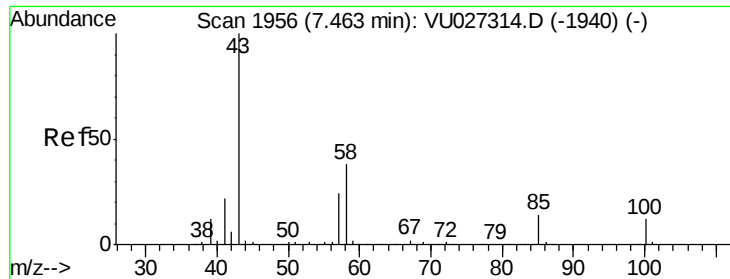
100 66.4 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 141.323 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027321.D

Acq: 01 Oct 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

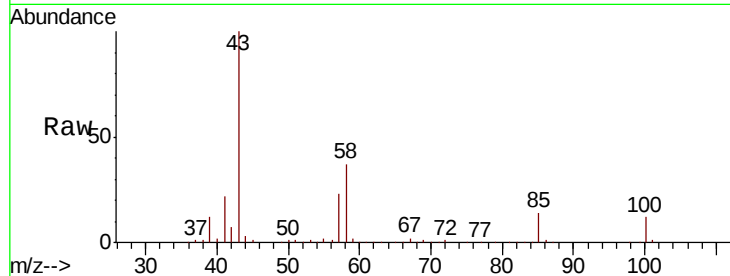
PT-VOA-WP

Tot Ion: 43 Resp: 398039

Ion Ratio Lower Upper

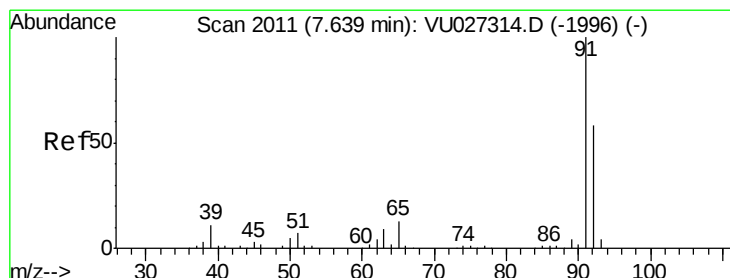
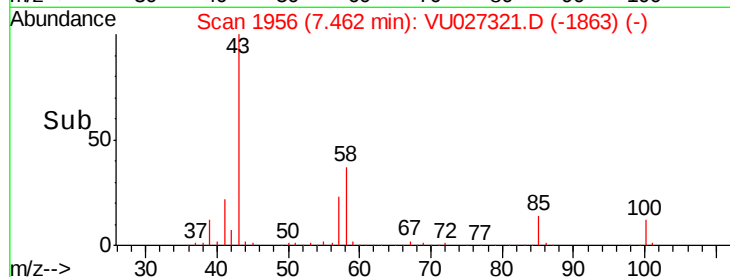
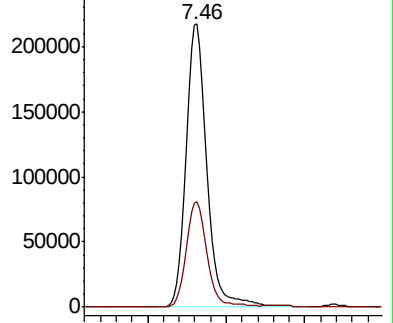
43 100

58 37.1 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 45.646 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027321.D

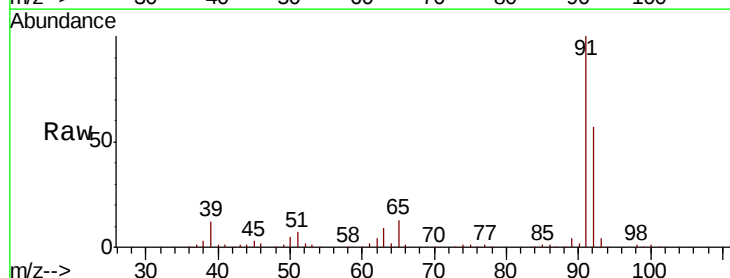
Acq: 01 Oct 2018 16:24

Tgt Ion: 92 Resp: 169938

Ion Ratio Lower Upper

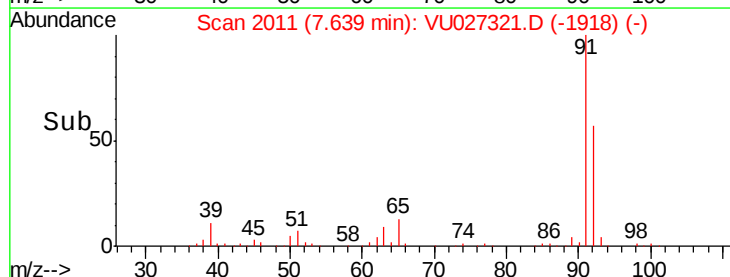
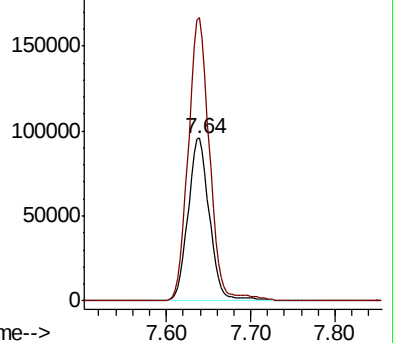
92 100

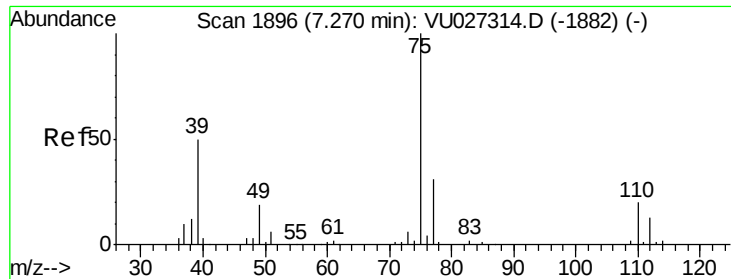
91 173.0 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

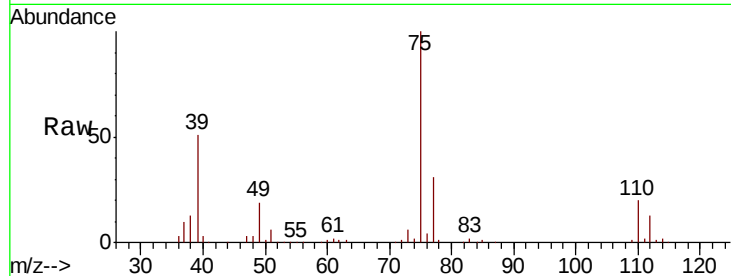




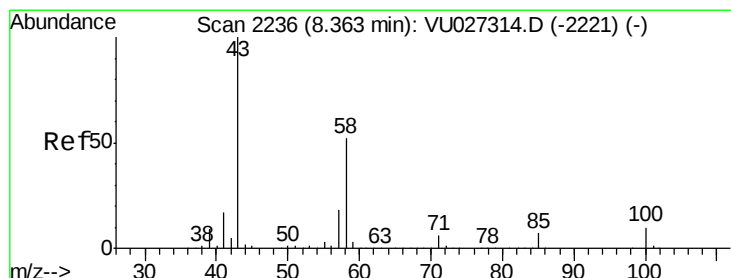
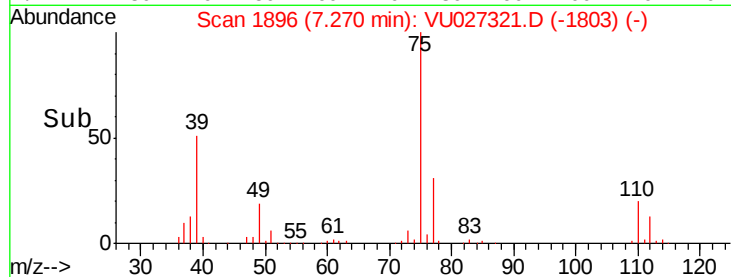
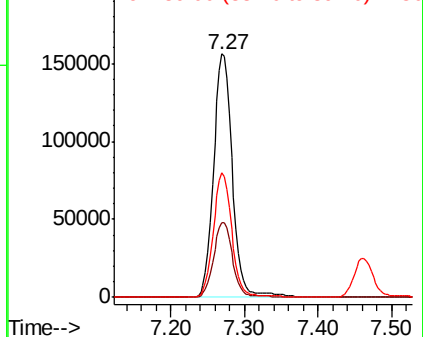
#54
 cis-1,3-Dichloropropene
 Concen: 102.944 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU027321.D
 Acq: 01 Oct 2018 16:24

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-VOA-WP

Tot Ion: 75 Resp: 275879
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.5 36.7
 39 51.0 40.1 60.1

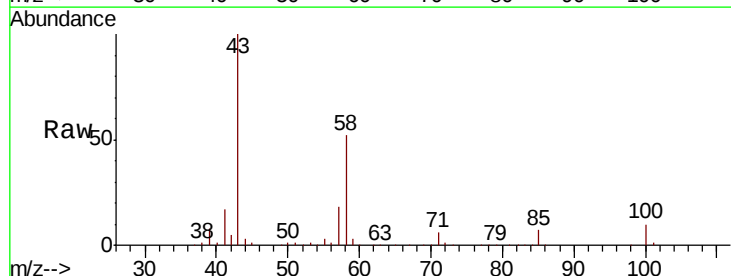


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 76.90 (76.60 to 77.60): VU0
 Ion 39.00 (38.70 to 39.70): VU0

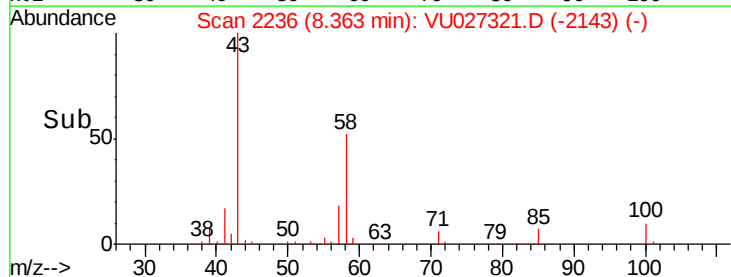
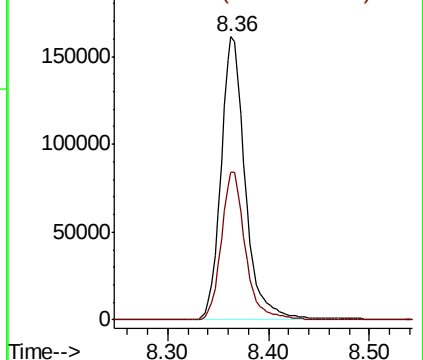


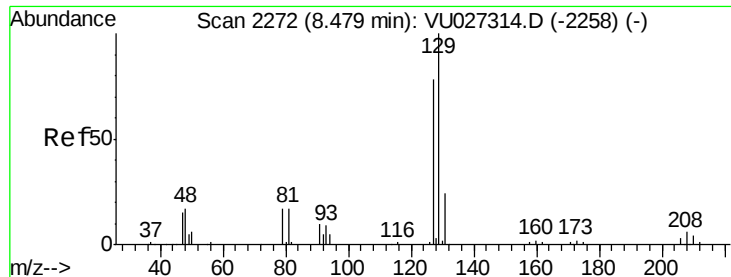
#59
 2-Hexanone
 Concen: 124.213 ug/l
 RT: 8.36 min Scan# 2236
 Delta R.T. -0.00 min
 Lab File: VU027321.D
 Acq: 01 Oct 2018 16:24

Tgt Ion: 43 Resp: 271385
 Ion Ratio Lower Upper
 43 100
 58 51.9 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: 64.011 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VU027321.D

Acq: 01 Oct 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

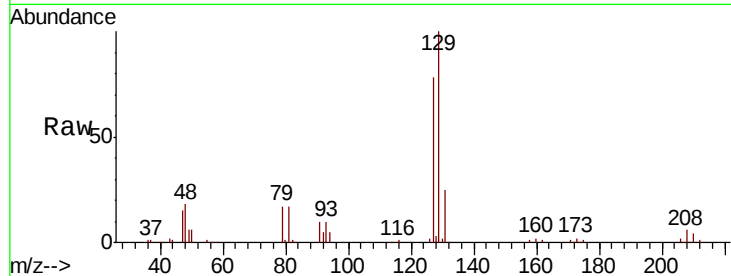
PT-VOA-WP

Tot Ion:129 Resp: 94766

Ion Ratio Lower Upper

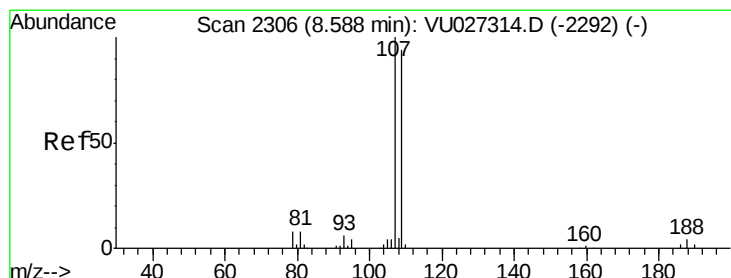
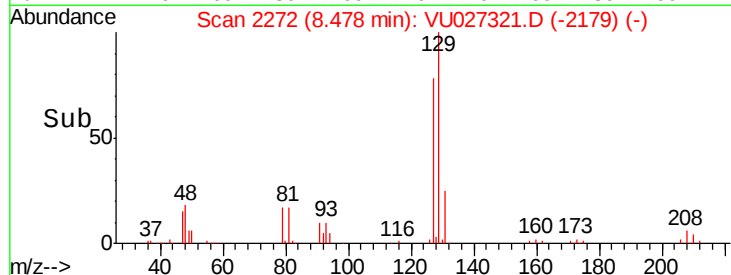
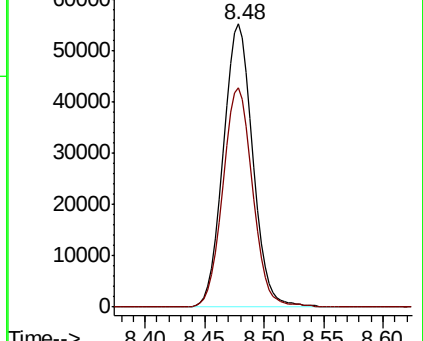
129 100

127 78.4 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 90.812 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027321.D

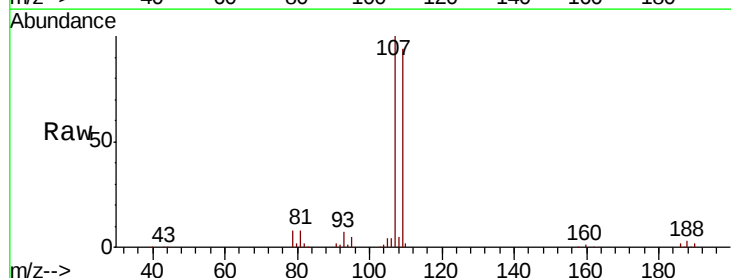
Acq: 01 Oct 2018 16:24

Tgt Ion:107 Resp: 142523

Ion Ratio Lower Upper

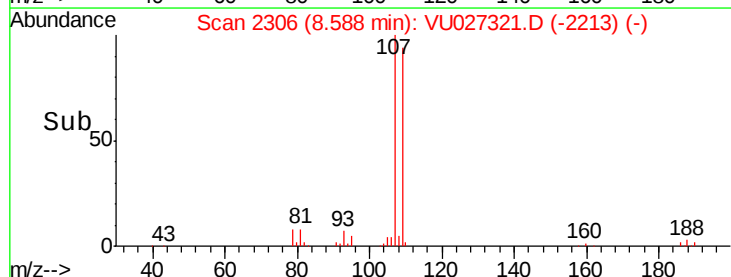
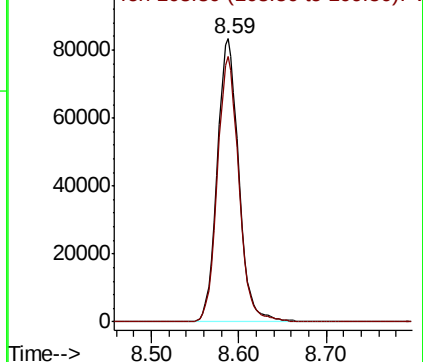
107 100

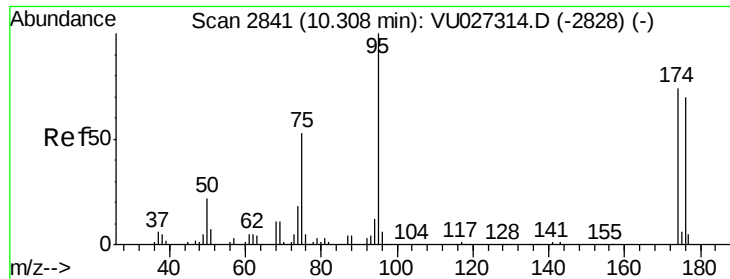
109 93.8 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

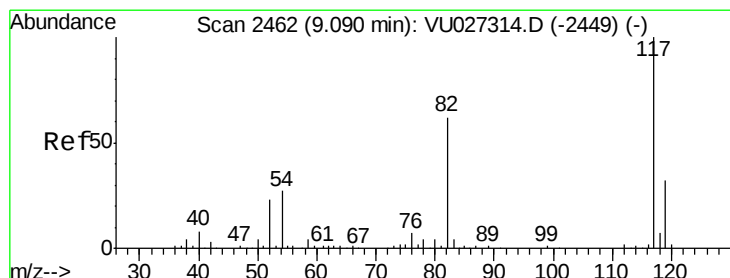
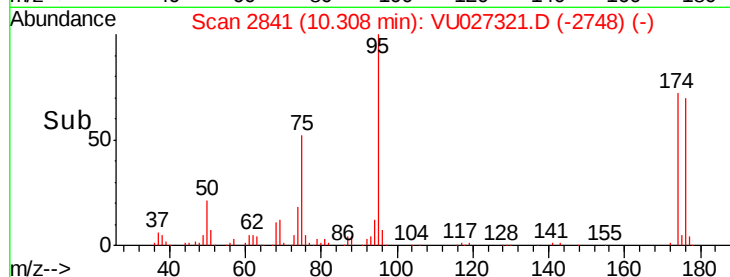
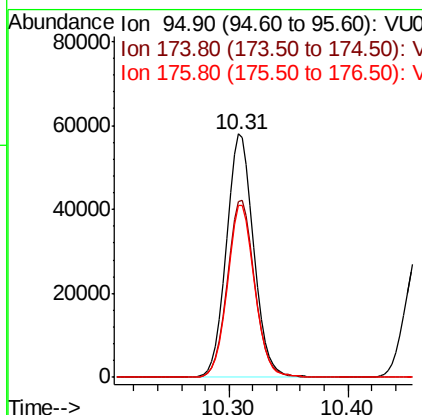
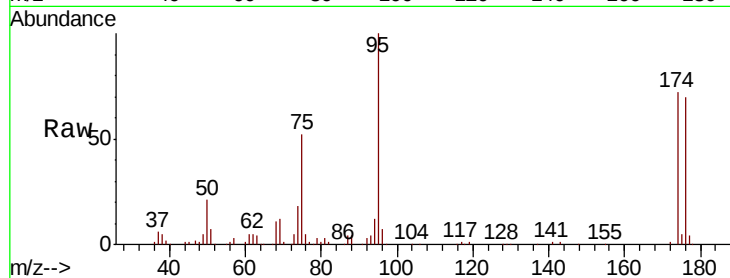




#62
 4-Bromofluorobenzene
 Concen: 48.503 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027321.D
 Acq: 01 Oct 2018 16:24

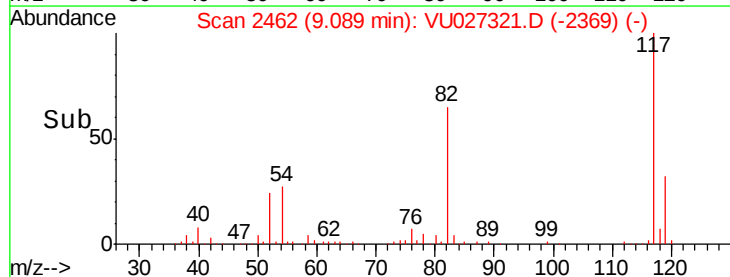
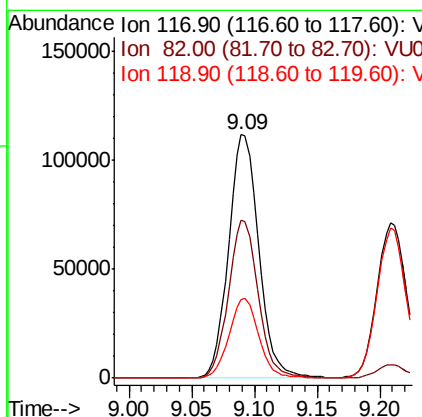
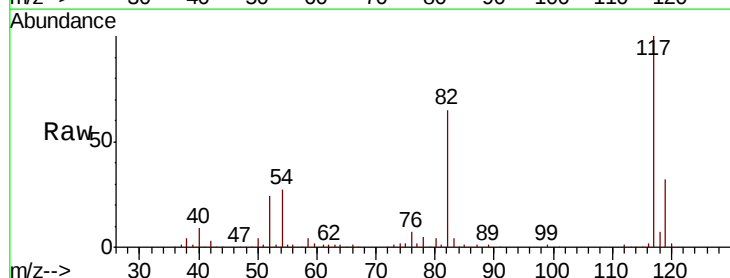
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-VOA-WP

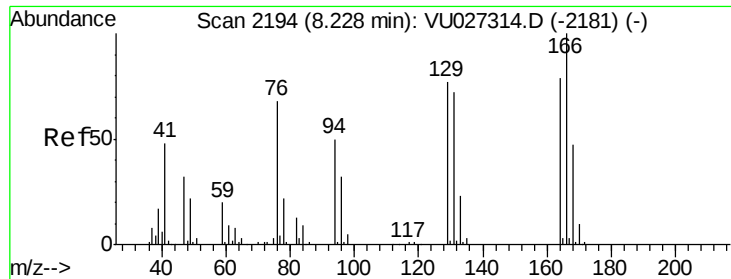
Tot Ion: 95 Resp: 91951
 Ion Ratio Lower Upper
 95 100
 174 72.8 0.0 147.8
 176 70.4 0.0 140.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VU027321.D
 Acq: 01 Oct 2018 16:24

Tgt Ion: 117 Resp: 187272
 Ion Ratio Lower Upper
 117 100
 82 64.7 49.2 73.8
 119 32.3 25.7 38.5

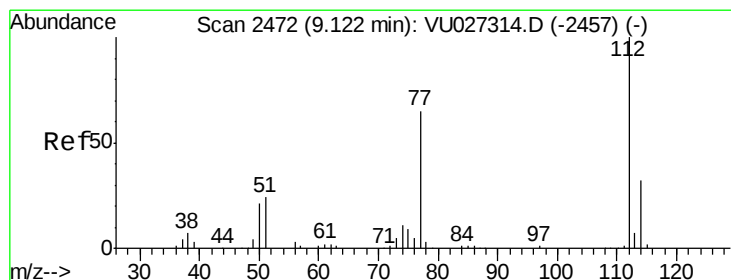
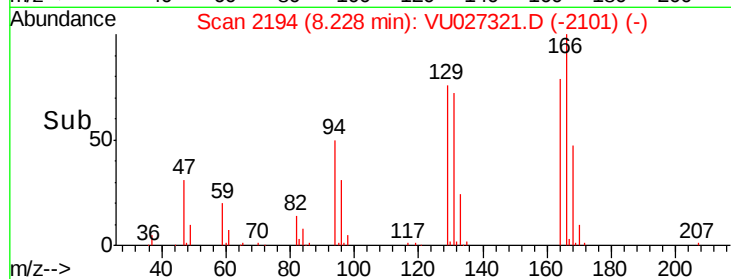
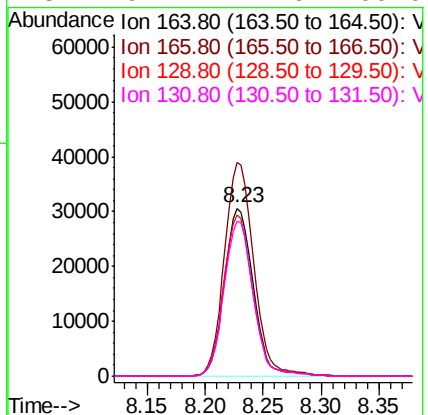
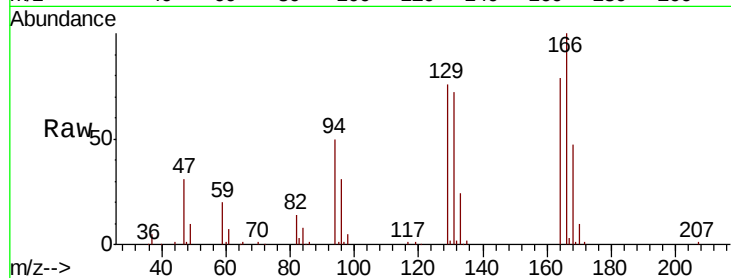




#64
Tetrachloroethene
Concen: 45.488 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027321.D
Acq: 01 Oct 2018 16:24

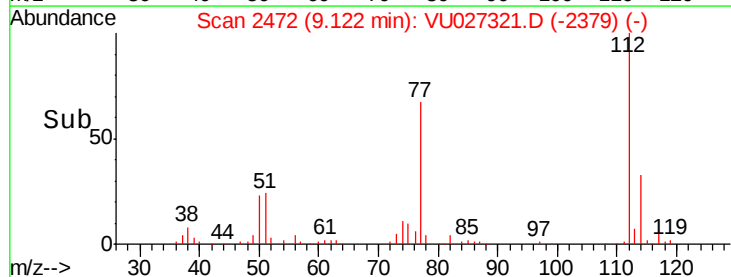
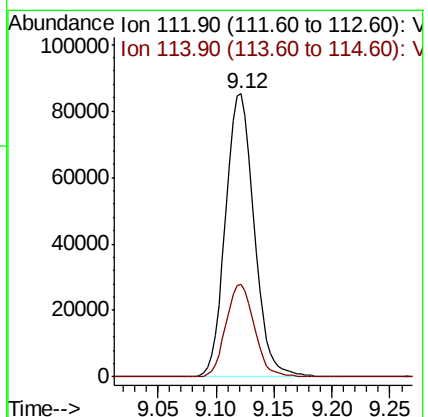
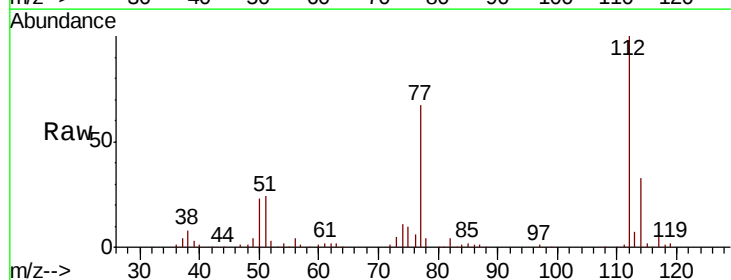
Instrument :
MSVOA_U
ClientSampleId :
PT-VOA-WP

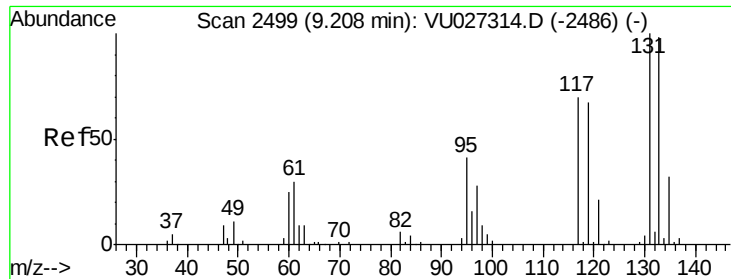
Tot Ion:164 Resp: 53030
Ion Ratio Lower Upper
164 100
166 127.3 101.0 151.6
129 96.5 78.0 117.0
131 92.1 72.6 109.0



#65
Chlorobenzene
Concen: 36.939 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU027321.D
Acq: 01 Oct 2018 16:24

Tgt Ion:112 Resp: 145610
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.6





#66

1,1,1,2-Tetrachloroethane

Concen: 127.186 ug/l

RT: 9.21 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VU027321.D

Acq: 01 Oct 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

PT-VOA-WP

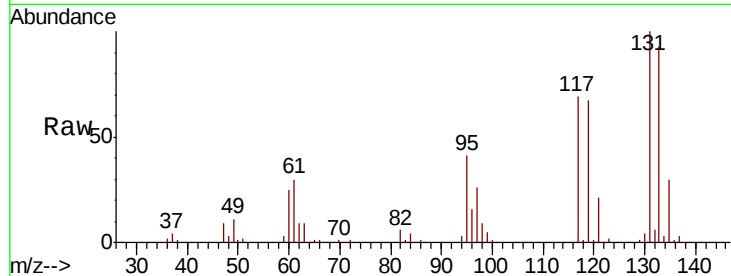
Tot Ion:131 Resp: 173077

Ion Ratio Lower Upper

131 100

133 94.3 48.5 145.6

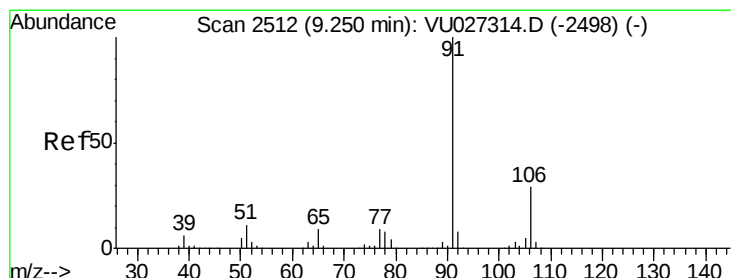
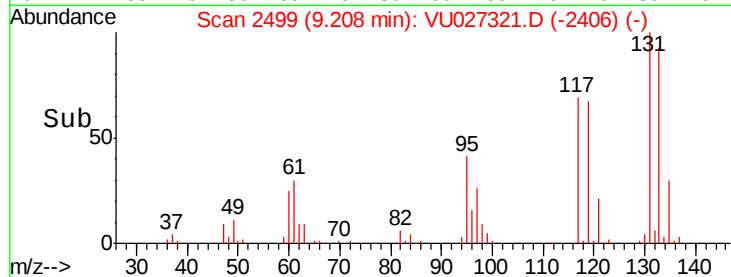
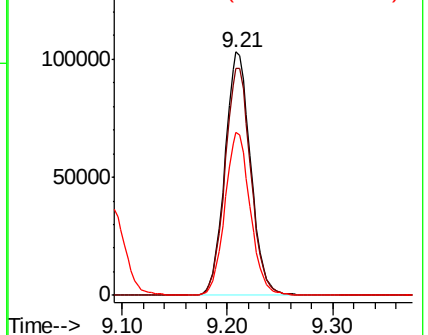
119 66.2 33.5 100.4



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: 13.626 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027321.D

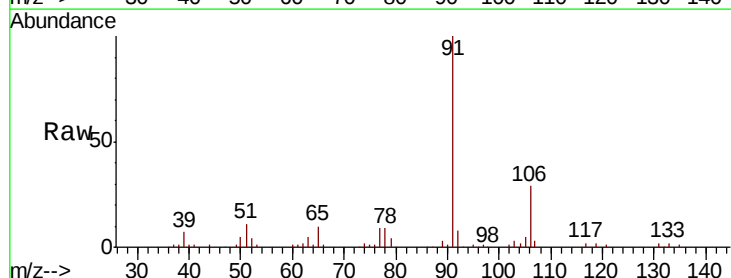
Acq: 01 Oct 2018 16:24

Tgt Ion: 91 Resp: 95165

Ion Ratio Lower Upper

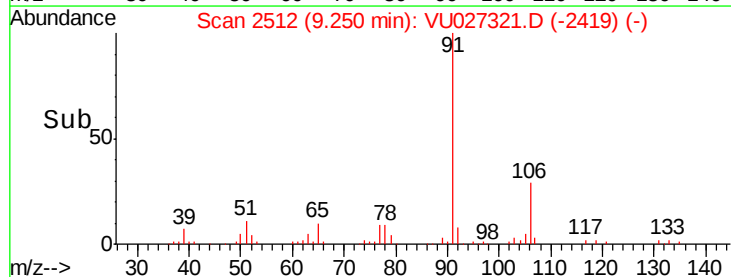
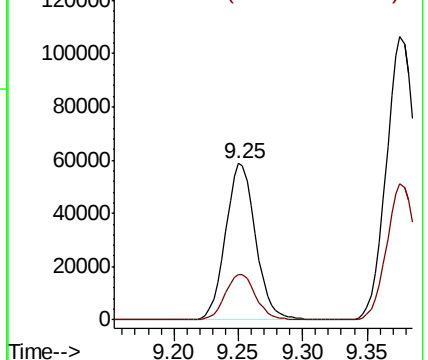
91 100

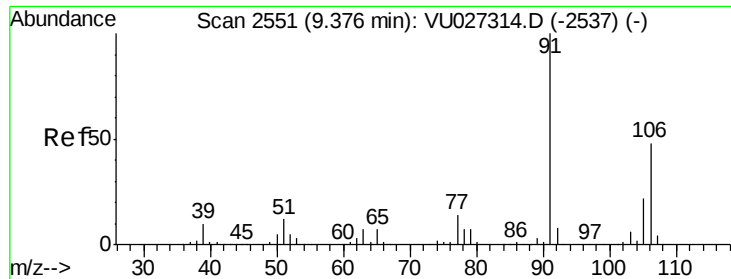
106 29.1 23.6 35.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

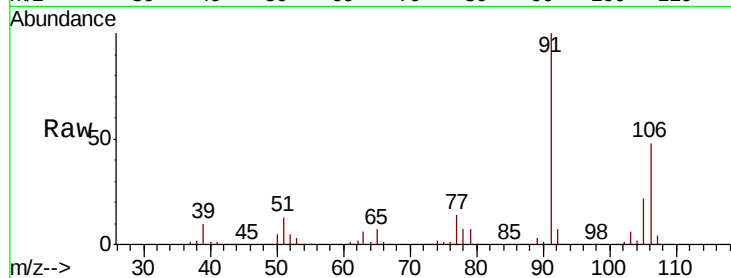




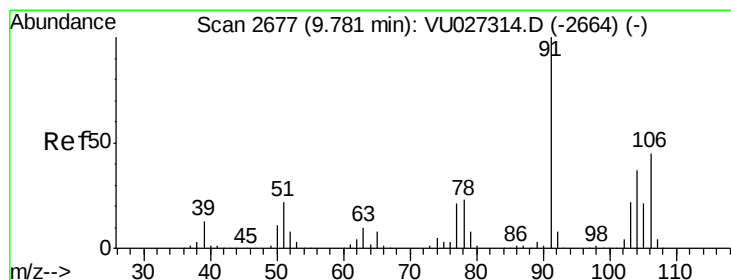
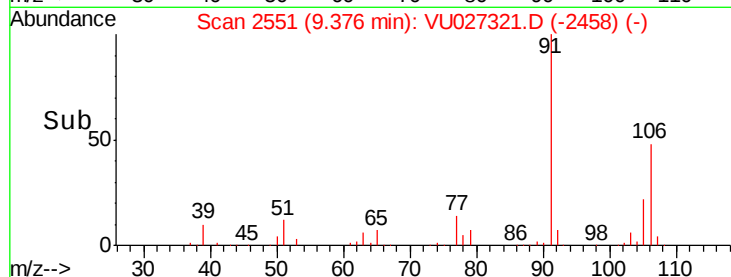
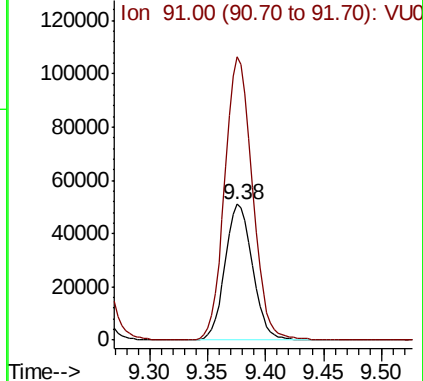
#68
m/p-Xylenes
Concen: 32.848 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027321.D
Acq: 01 Oct 2018 16:24

Instrument :
MSVOA_U
ClientSampleId :
PT-VOA-WP

Tot Ion:106 Resp: 83915
Ion Ratio Lower Upper
106 100
91 209.0 168.1 252.1

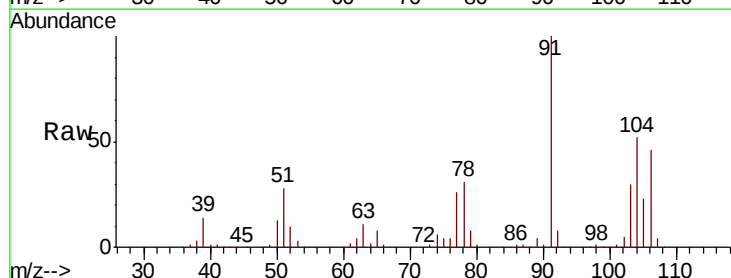


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

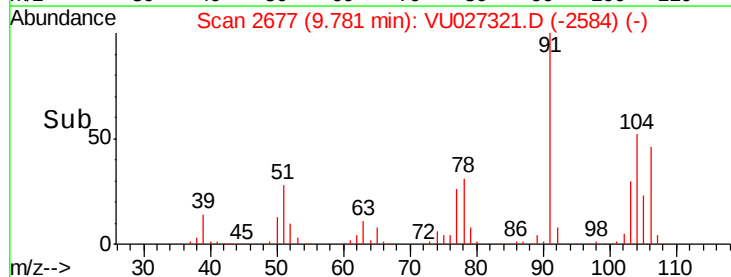
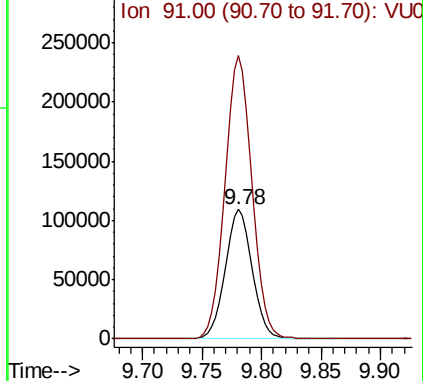


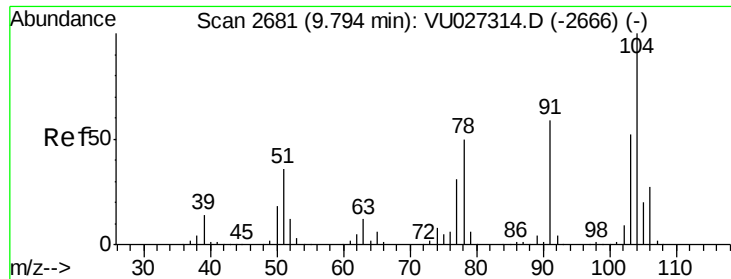
#69
o-Xylene
Concen: 70.477 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027321.D
Acq: 01 Oct 2018 16:24

Tgt Ion:106 Resp: 171094
Ion Ratio Lower Upper
106 100
91 219.5 111.7 334.9



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

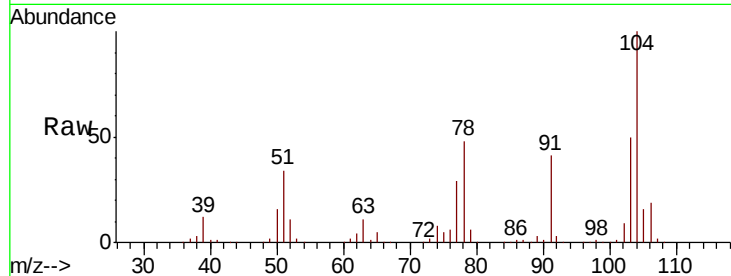




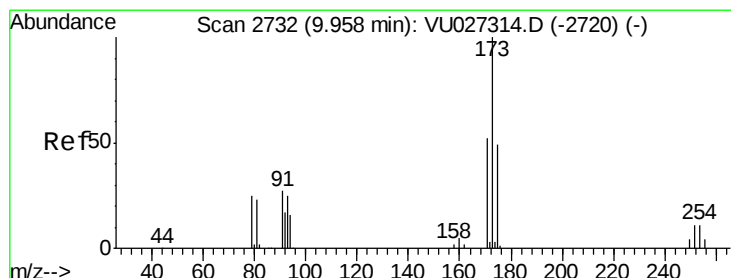
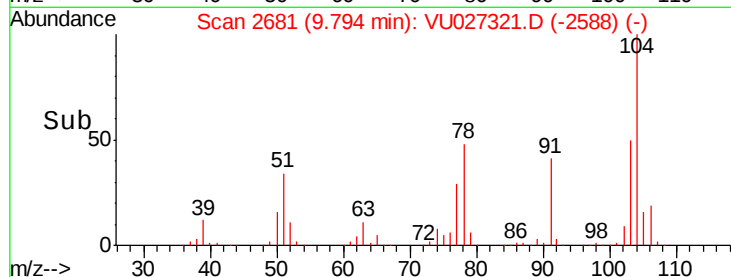
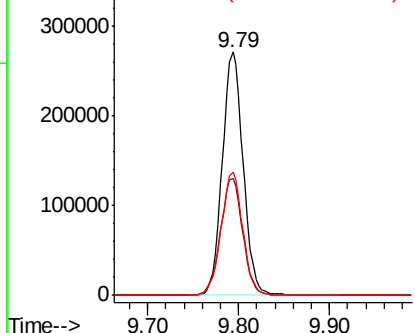
#70
Stvrene
Concen: 92.889 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027321.D
Acq: 01 Oct 2018 16:24

Instrument :
MSVOA_U
ClientSampleId :
PT-VOA-WP

Tot Ion:104 Resp: 430905
Ion Ratio Lower Upper
104 100
78 51.3 42.9 64.3
103 52.6 43.9 65.9

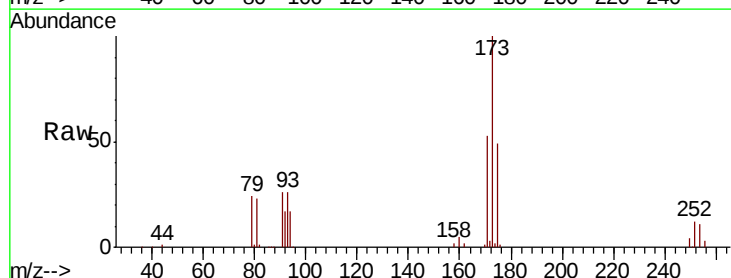


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V

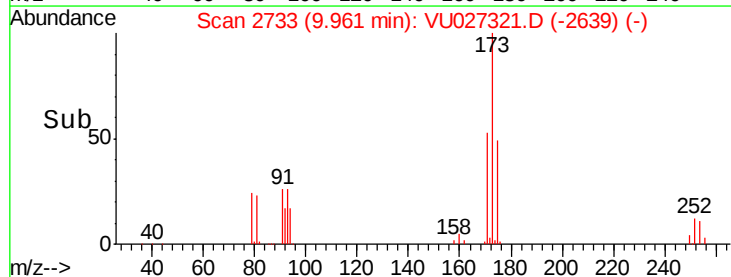
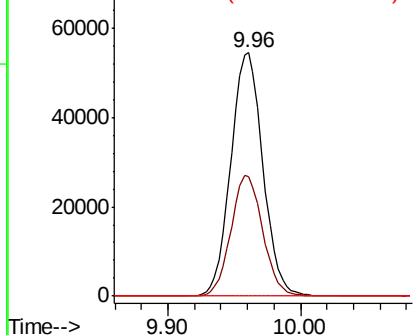


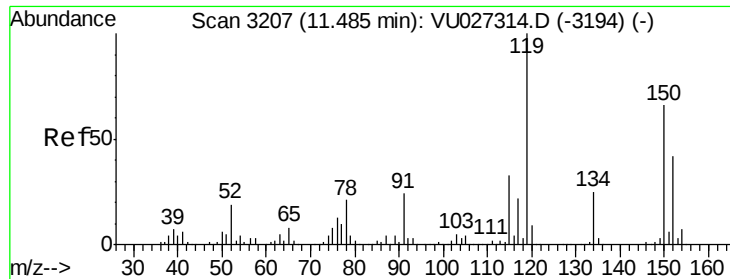
#71
Bromoform
Concen: 83.588 ug/l
RT: 9.96 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU027321.D
Acq: 01 Oct 2018 16:24

Tgt Ion:173 Resp: 91517
Ion Ratio Lower Upper
173 100
175 49.1 24.3 73.0
254 0.1 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: VU027321.D

Acq: 01 Oct 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

PT-VOA-WP

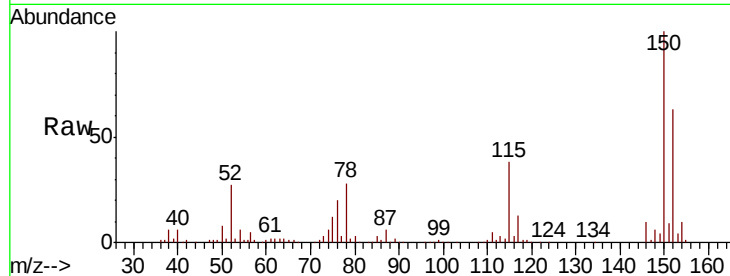
Tot Ion:152 Resp: 90710

Ion Ratio Lower Upper

152 100

115 61.8 43.4 130.2

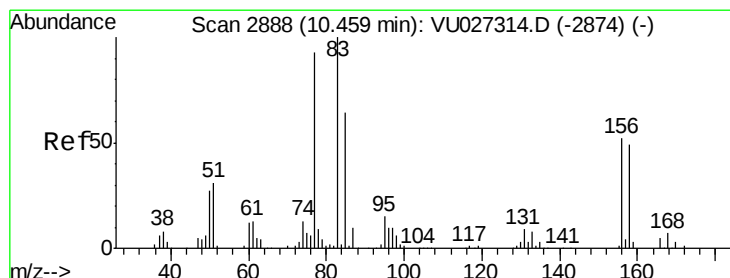
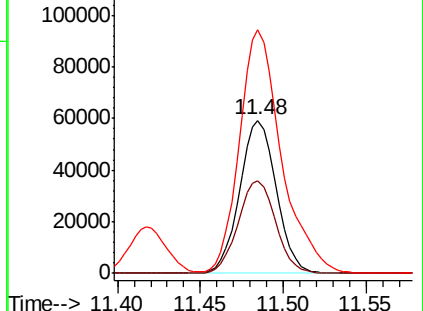
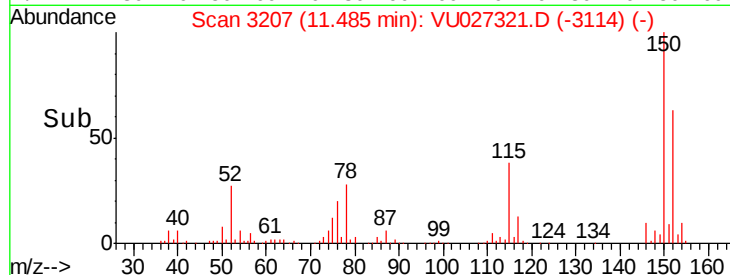
150 183.1 0.0 349.2



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: 128.326 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027321.D

Acq: 01 Oct 2018 16:24

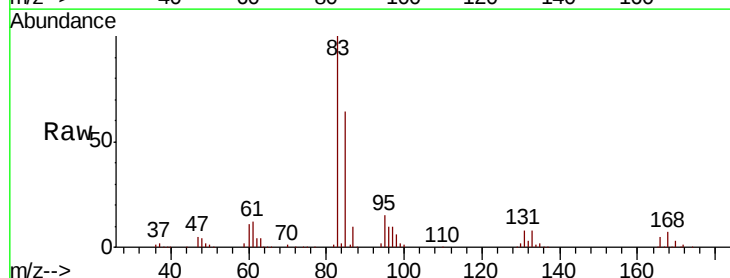
Tgt Ion: 83 Resp: 331964

Ion Ratio Lower Upper

83 100

131 8.3 4.4 13.2

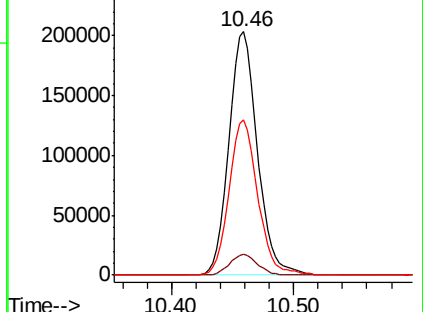
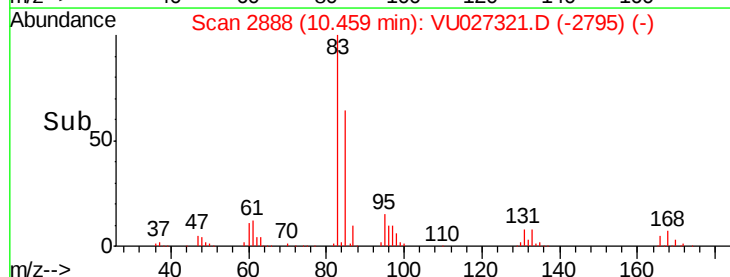
85 63.9 32.0 96.0

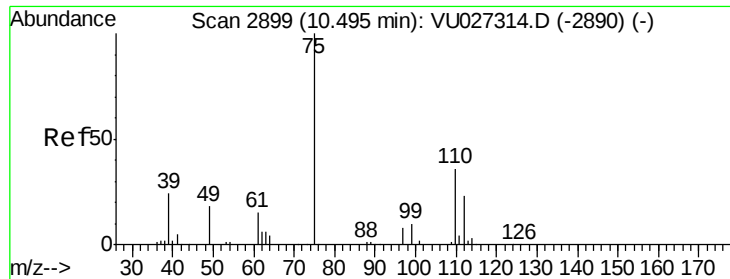


Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VU0

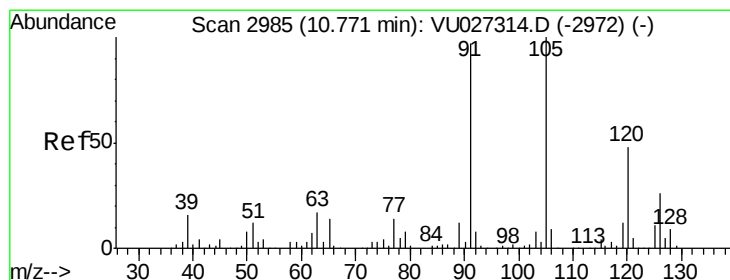
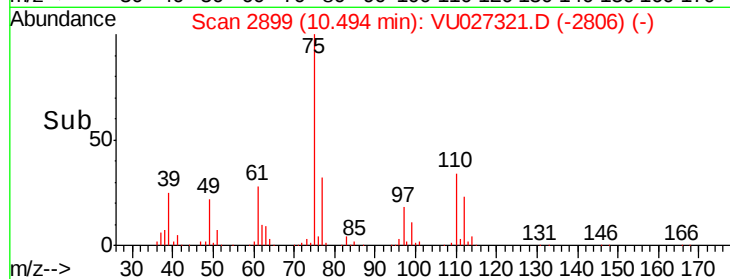
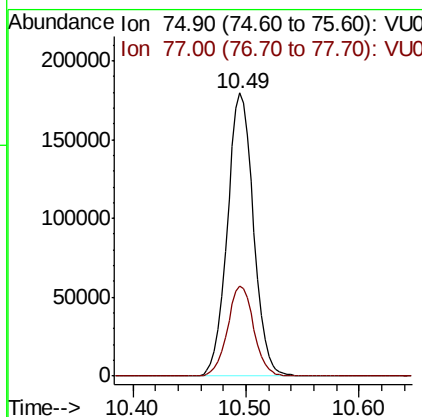
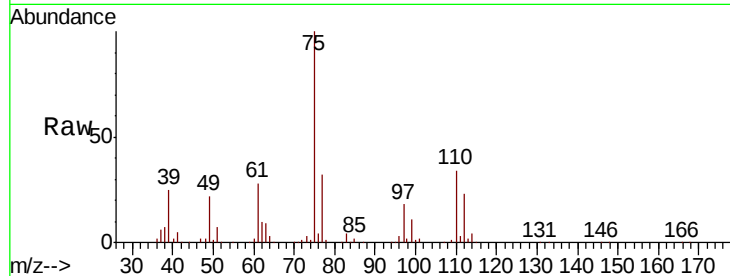




#76
 1,2,3-Trichloropropane
 Concen: 122.281 ug/l
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU027321.D
 Acq: 01 Oct 2018 16:24

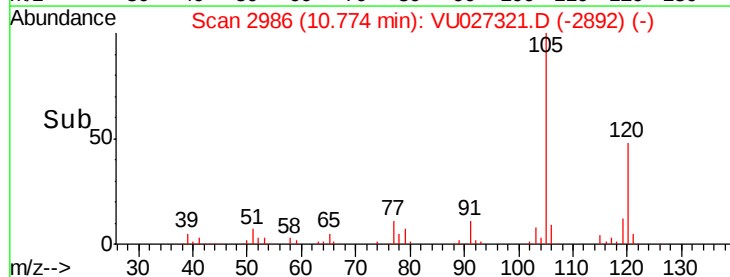
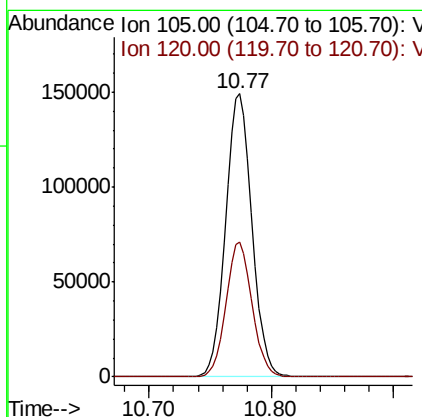
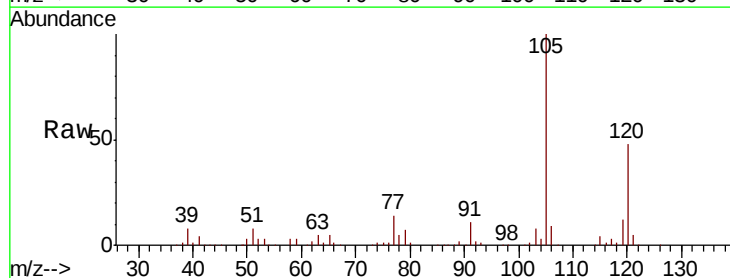
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-VOA-WP

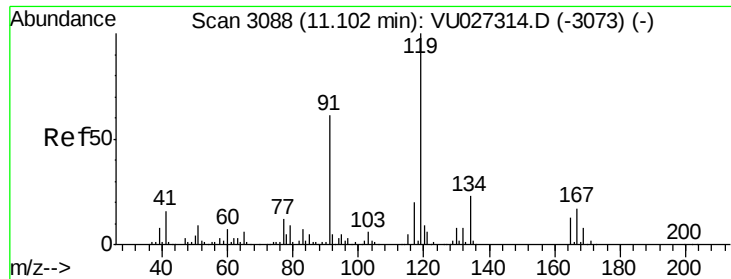
Tot Ion: 75 Resp: 287533
 Ion Ratio Lower Upper
 75 100
 77 31.9 20.3 60.9



#80
 1,3,5-Trimethylbenzene
 Concen: 42.139 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027321.D
 Acq: 01 Oct 2018 16:24

Tgt Ion: 105 Resp: 226020
 Ion Ratio Lower Upper
 105 100
 120 47.2 24.1 72.4

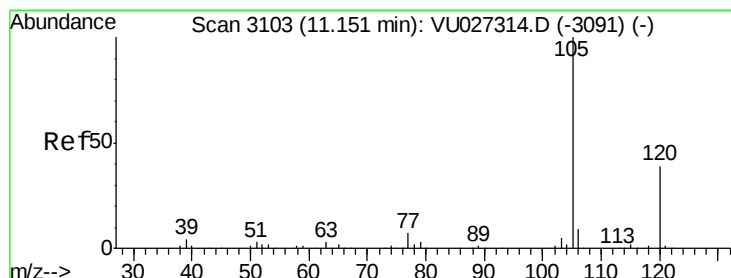
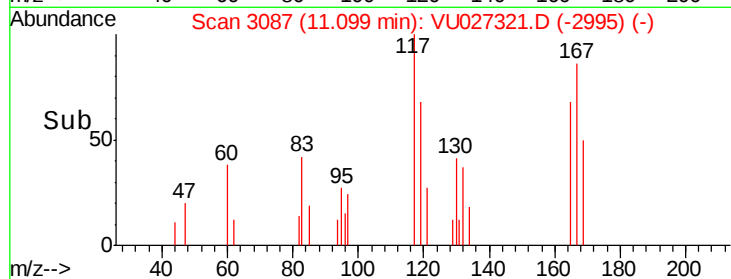
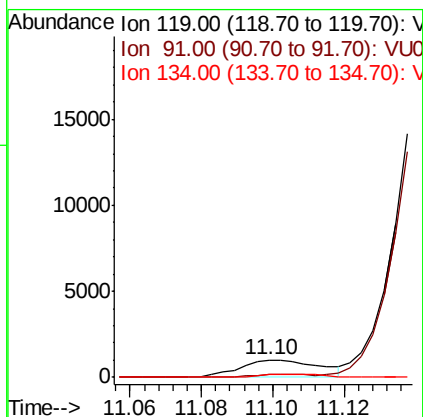
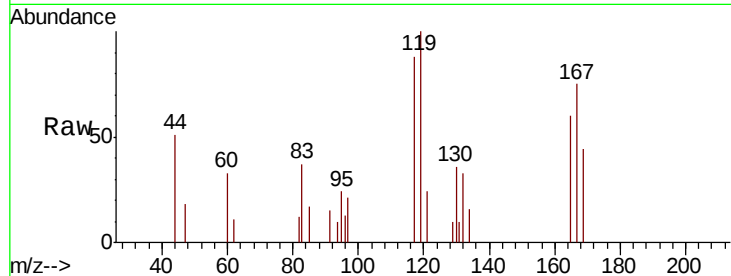




#83
tert-Butylbenzene
Concen: 0.302 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU027321.D
Acq: 01 Oct 2018 16:24

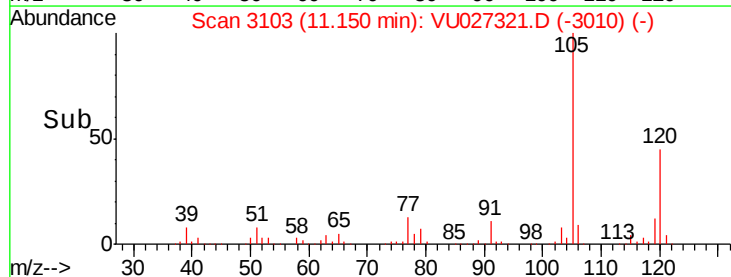
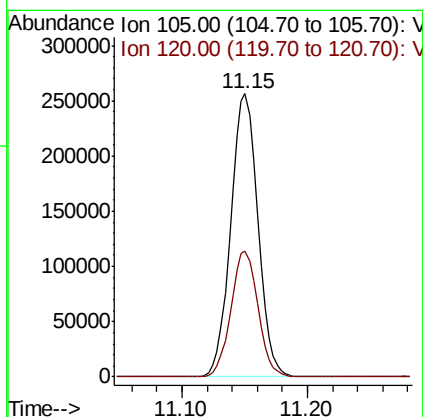
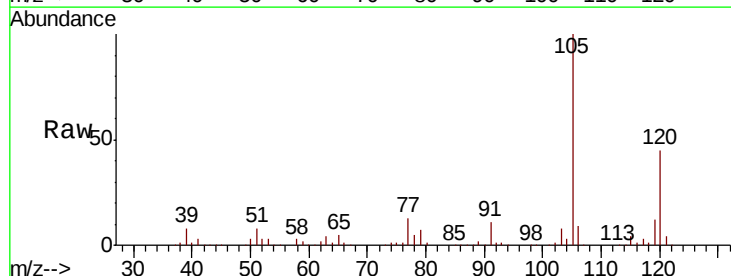
Instrument :
MSVOA_U
ClientSampleId :
PT-VOA-WP

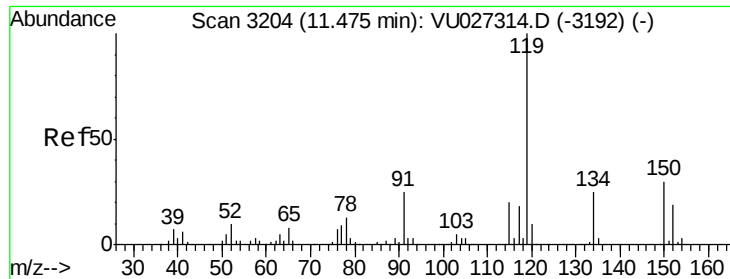
Tot Ion:119 Resp: 1567
Ion Ratio Lower Upper
119 100
91 0.0 30.3 91.0#
134 13.9 11.5 34.4



#84
1,2,4-Trimethylbenzene
Concen: 70.331 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. -0.00 min
Lab File: VU027321.D
Acq: 01 Oct 2018 16:24

Tgt Ion:105 Resp: 385347
Ion Ratio Lower Upper
105 100
120 44.3 22.1 66.5

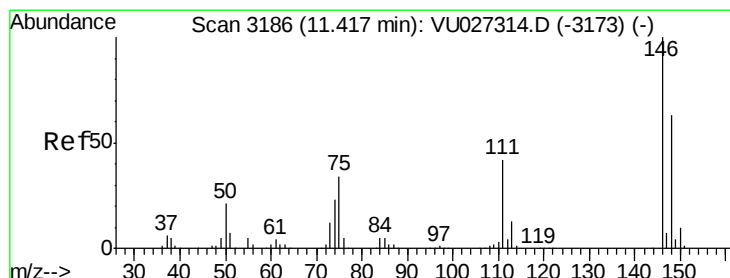
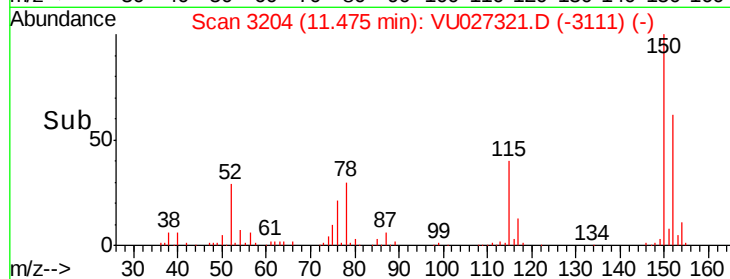
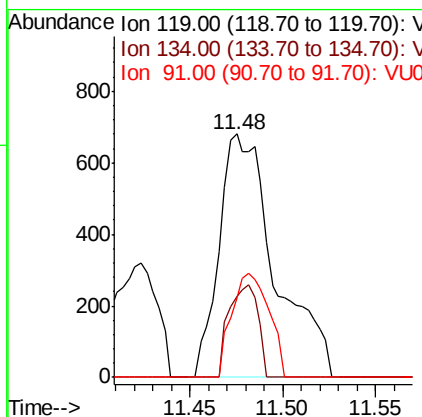
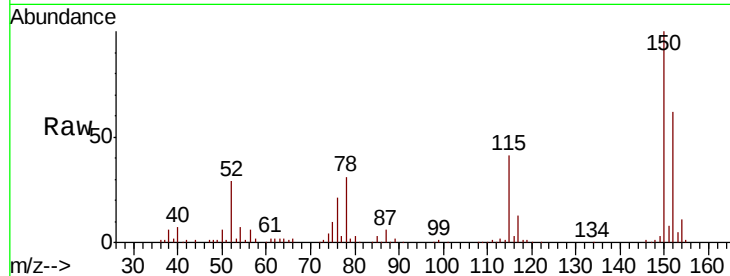




#86
 p-Isopropyltoluene
 Concen: 0.256 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027321.D
 Acq: 01 Oct 2018 16:24

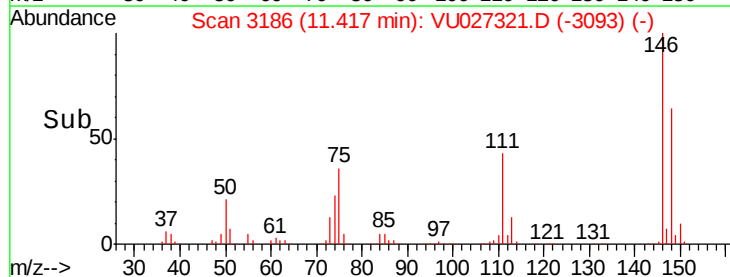
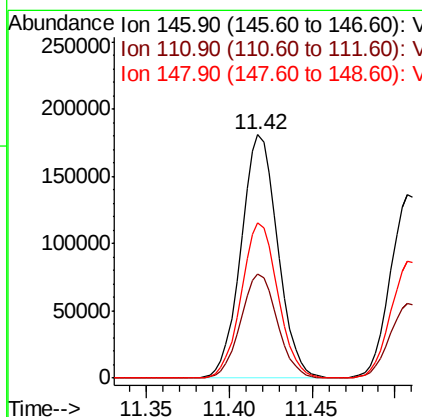
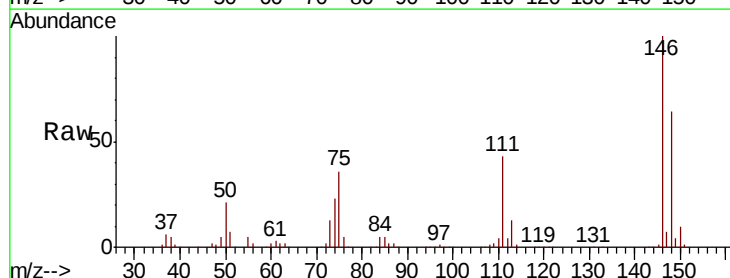
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-VOA-WP

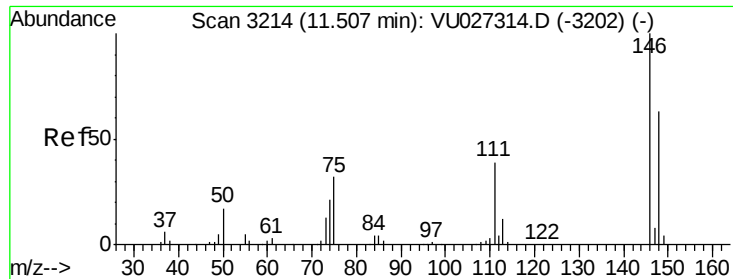
Tot Ion:119 Resp: 1432
 Ion Ratio Lower Upper
 119 100
 134 19.6 12.7 38.1
 91 28.1 12.2 36.4



#87
 1,3-Dichlorobenzene
 Concen: 95.868 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027321.D
 Acq: 01 Oct 2018 16:24

Tgt Ion:146 Resp: 277942
 Ion Ratio Lower Upper
 146 100
 111 42.7 20.8 62.5
 148 63.6 31.6 94.8





#88

1,4-Dichlorobenzene

Concen: 72.400 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU027321.D

Acq: 01 Oct 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

PT-VOA-WP

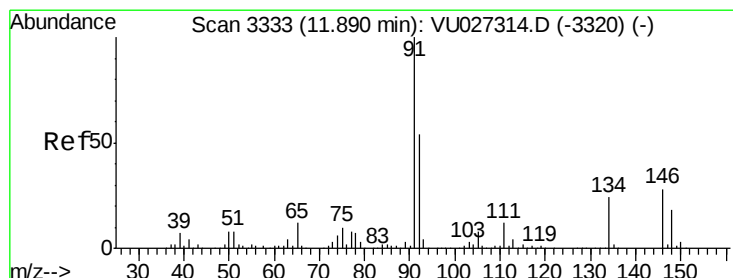
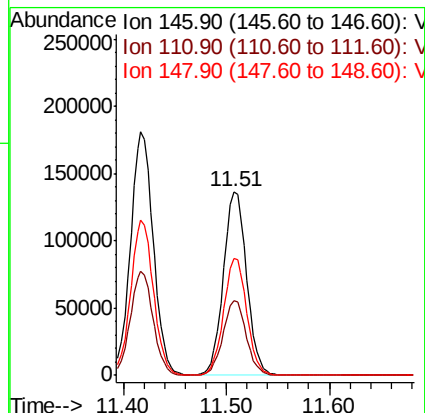
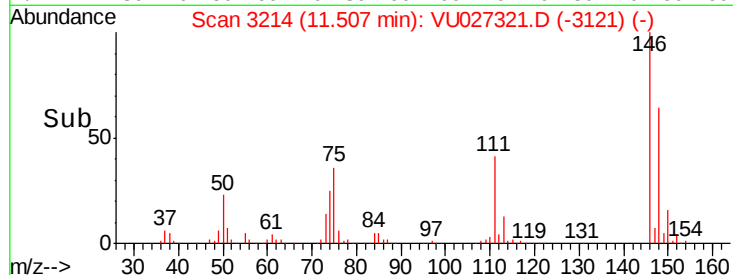
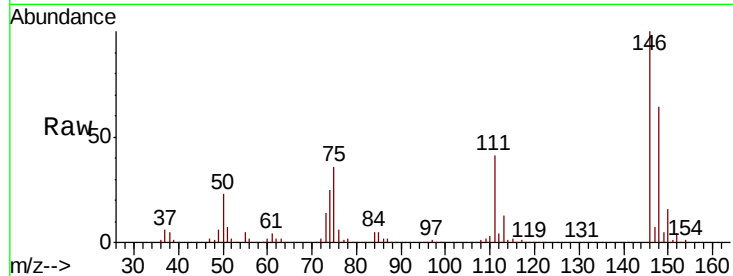
Tot Ion:146 Resp: 214494

Ion Ratio Lower Upper

146 100

111 40.8 20.4 61.2

148 63.6 31.9 95.5



#89

n-Butylbenzene

Concen: 2.121 ug/l

RT: 11.89 min Scan# 3334

Delta R.T. 0.00 min

Lab File: VU027321.D

Acq: 01 Oct 2018 16:24

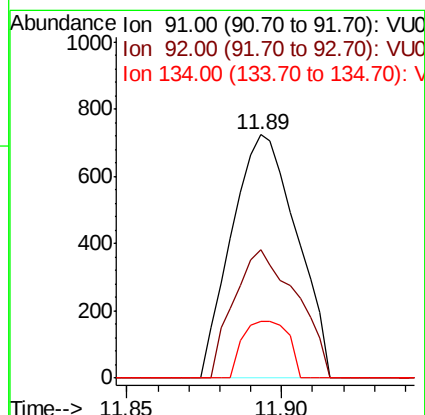
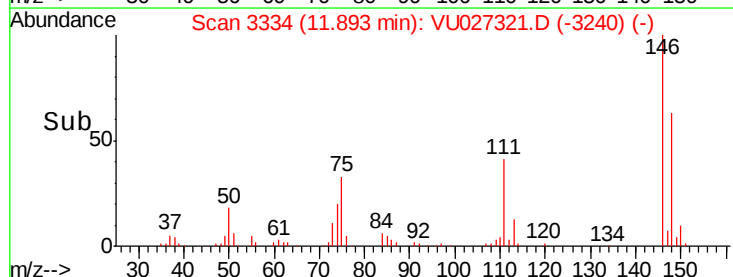
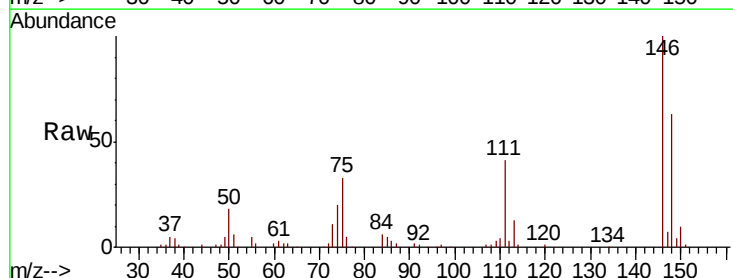
Tgt Ion: 91 Resp: 1057

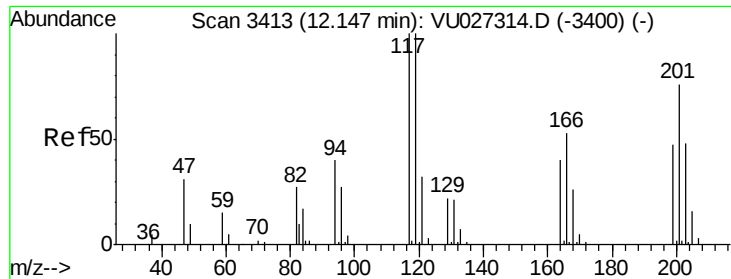
Ion Ratio Lower Upper

91 100

92 51.1 27.0 81.0

134 16.3 11.7 35.1

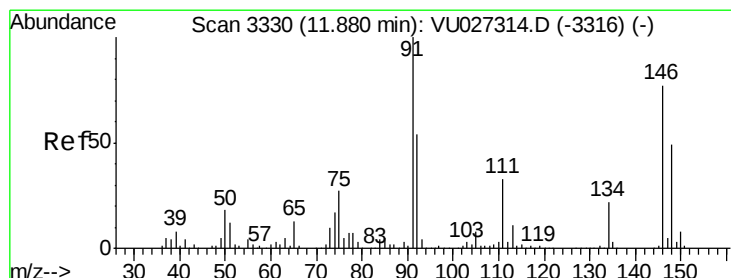
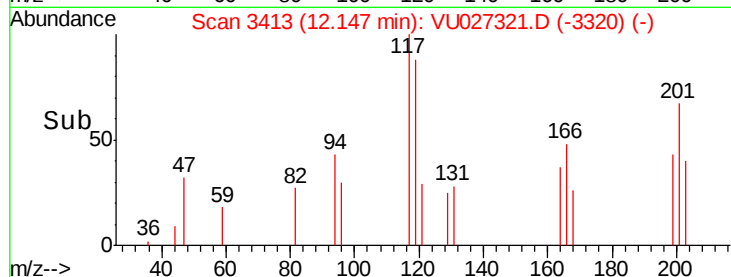
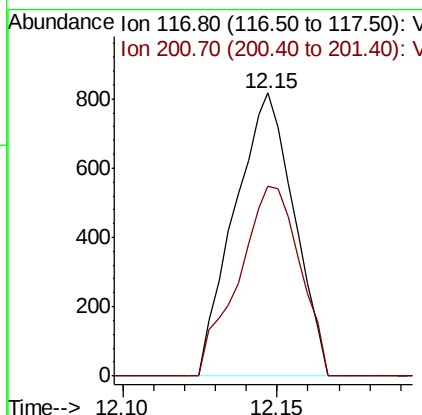
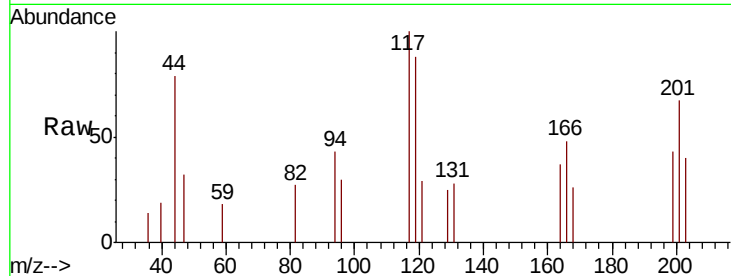




#90
Hexachloroethane
Concen: 1.035 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027321.D
Acq: 01 Oct 2018 16:24

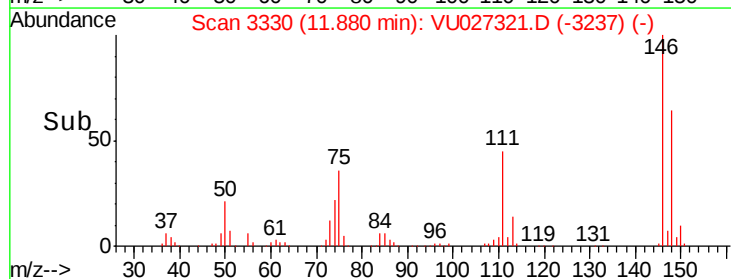
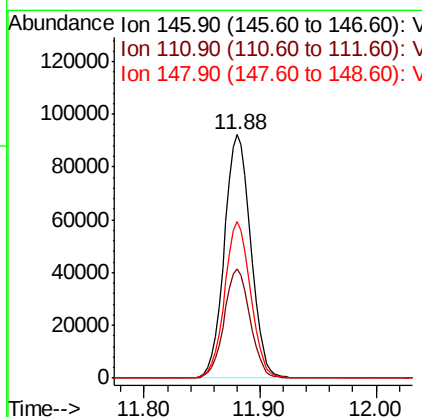
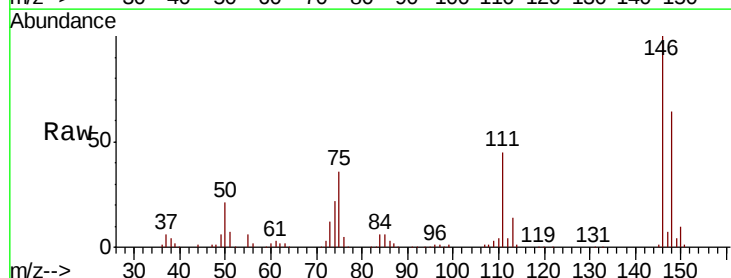
Instrument :
MSVOA_U
ClientSampleId :
PT-VOA-WP

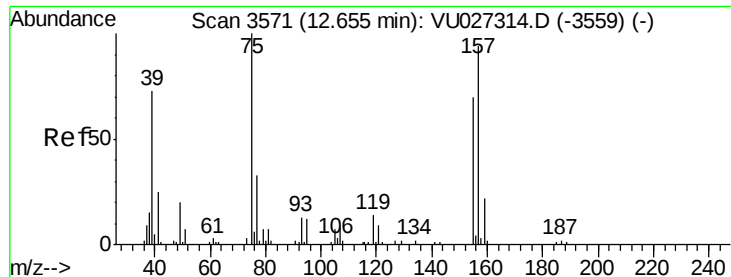
Tot Ion:117 Resp: 1091
Ion Ratio Lower Upper
117 100
201 69.3 37.9 113.6



#91
1,2-Dichlorobenzene
Concen: 51.619 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. -0.00 min
Lab File: VU027321.D
Acq: 01 Oct 2018 16:24

Tgt Ion:146 Resp: 145673
Ion Ratio Lower Upper
146 100
111 44.0 21.8 65.4
148 63.1 31.9 95.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 71.444 ug/l

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU027321.D

Acq: 01 Oct 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

PT-VOA-WP

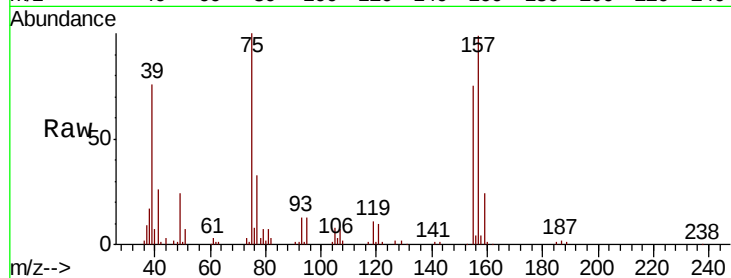
Tot Ion: 75 Resp: 40960

Ion Ratio Lower Upper

75 100

155 73.5 35.9 107.8

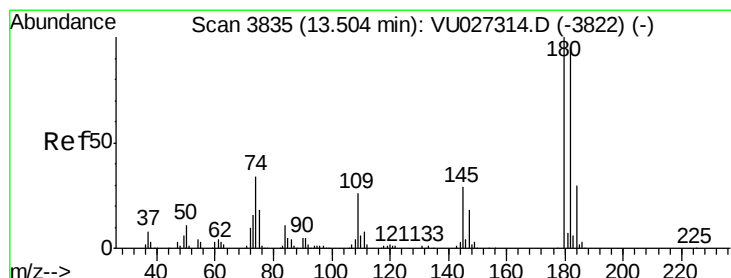
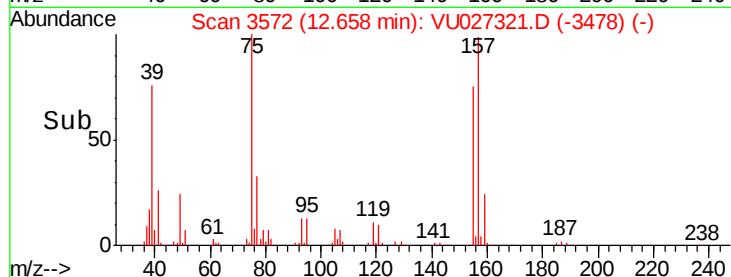
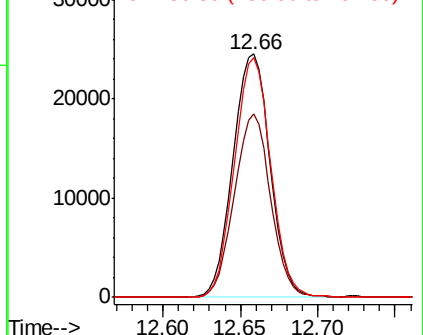
157 96.5 46.9 140.6



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 102.481 ug/l

RT: 13.50 min Scan# 3835

Delta R.T. -0.00 min

Lab File: VU027321.D

Acq: 01 Oct 2018 16:24

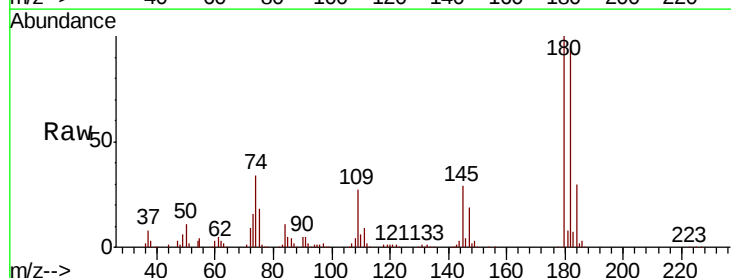
Tgt Ion: 180 Resp: 187136

Ion Ratio Lower Upper

180 100

182 95.4 47.4 142.3

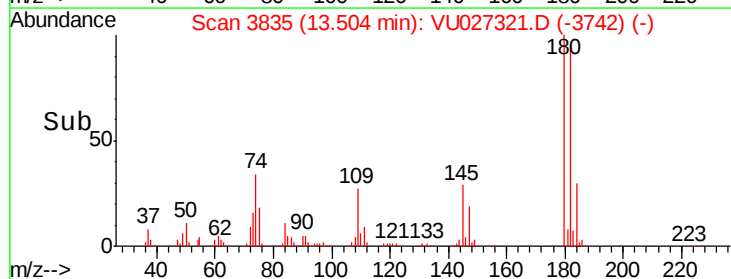
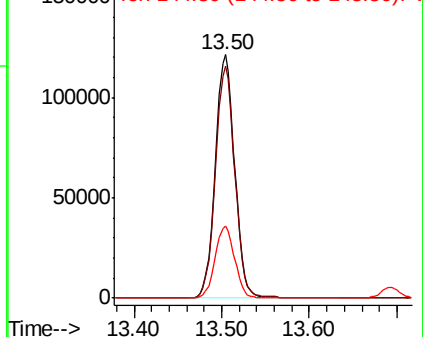
145 29.6 14.6 44.0

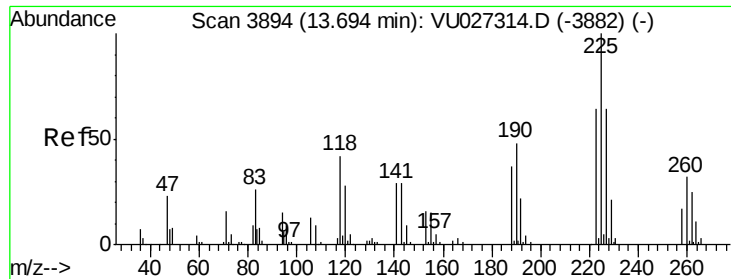


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 95.858 ug/l

RT: 13.69 min Scan# 3894

Delta R.T. -0.00 min

Lab File: VU027321.D

Acq: 01 Oct 2018 16:24

Instrument :

MSVOA_U

ClientSampleId :

PT-VOA-WP

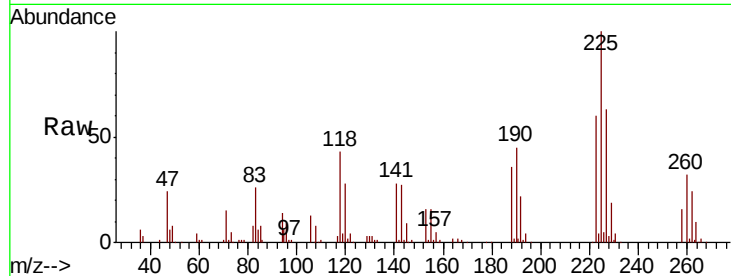
Tot Ion:225 Resp: 88438

Ion Ratio Lower Upper

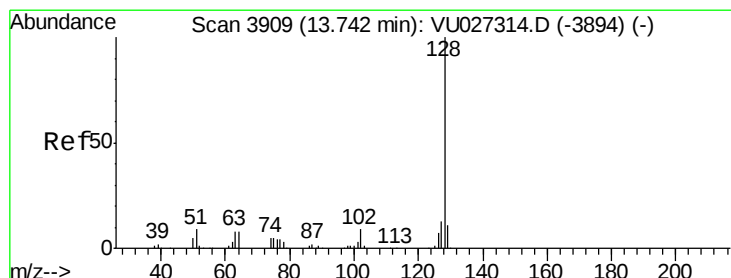
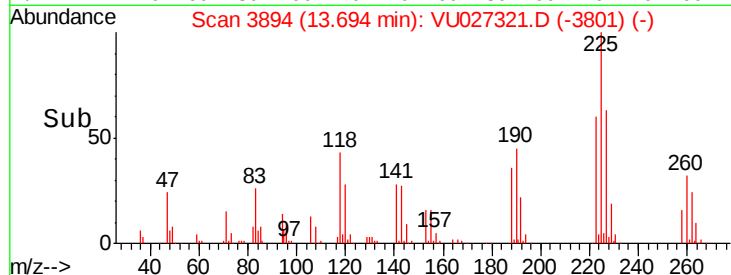
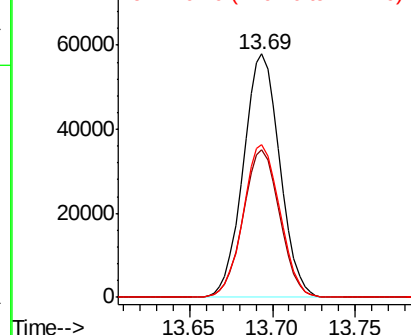
225 100

223 60.9 31.8 95.3

227 63.2 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: 116.646 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU027321.D

Acq: 01 Oct 2018 16:24

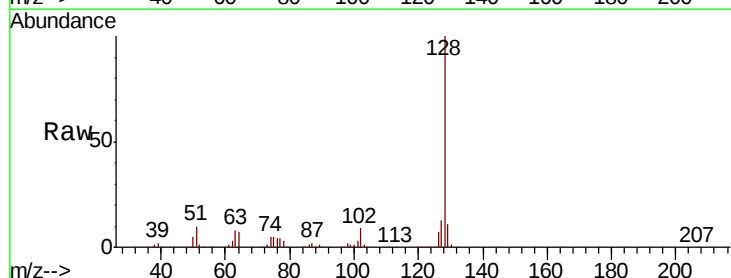
Tgt Ion:128 Resp: 815647

Ion Ratio Lower Upper

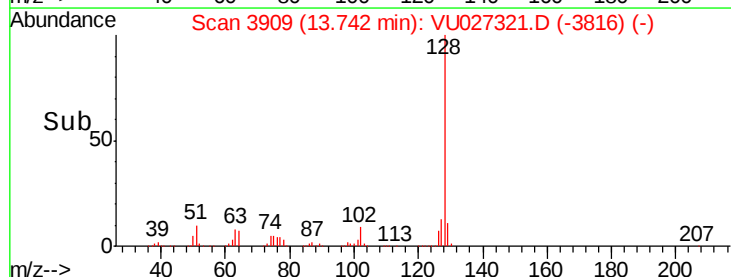
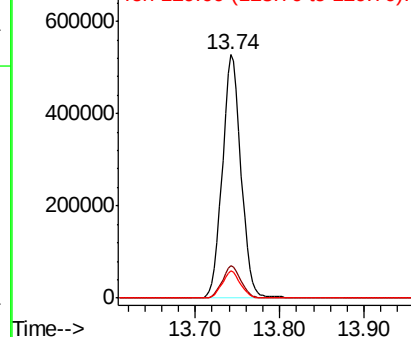
128 100

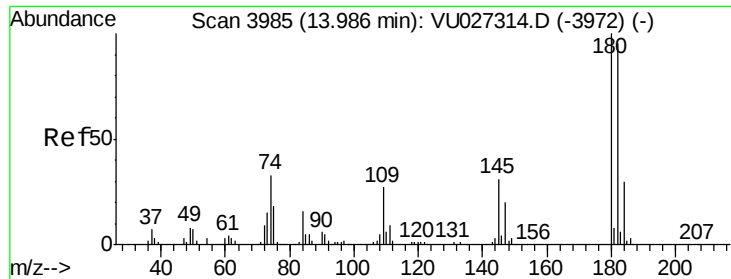
127 13.2 10.5 15.7

129 10.9 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

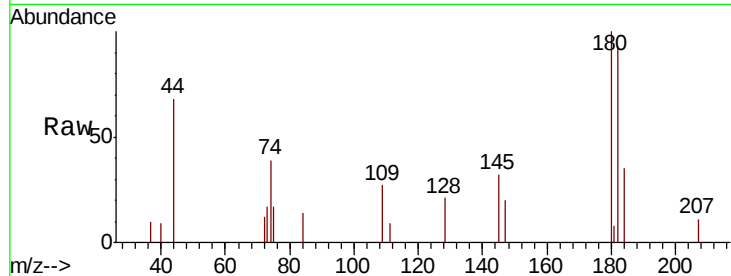




#96
 1,2,3-Trichlorobenzene
 Concen: 1.093 ug/l
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU027321.D
 Acq: 01 Oct 2018 16:24

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-VOA-WP

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.5	47.4	142.2
145	26.4	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

