

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101718\
 Data File : VU027673.D
 Acq On : 17 Oct 2018 13:03
 Operator : MD/SY
 Sample : J5463-14
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JC5

Quant Time: Oct 19 06:48:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 19 06:41:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	98092	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	91823	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	46106	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	31946	4.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.00%
7) Chloroethane-d5	1.68	69	26572	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.60%
11) 1,1-Dichloroethene-d2	2.28	63	45287	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	4.21	46	98109	44.26	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.52%
24) Chloroform-d	4.65	84	53982	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.31	65	29830	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
32) Benzene-d6	5.34	84	115105	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.33	67	40538	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	7.57	98	110648	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	7.85	79	16694	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	8.32	63	86371	45.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.56%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	29740	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	39254	4.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.80%

Target Compounds

					Qvalue
8) Chloroethane	1.71	64	810	0.147 ug/L #	41
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	451	0.068 ug/L #	36
12) 1,1-Dichloroethene	2.29	96	1754	0.264 ug/L #	1
13) Acetone	2.33	43	2546	1.796 ug/L	85
15) Methyl Acetate	2.47	43	8038	2.124 ug/L #	53
19) 1,1-Dichloroethane	3.45	63	429	0.031 ug/L #	26
22) cis-1,2-Dichloroethene	4.23	96	4536	0.581 ug/L #	99
25) Chloroform	4.68	83	4866	0.359 ug/L	94
31) Carbon tetrachloride	5.13	117	7073	0.694 ug/L	97
34) Trichloroethene	6.19	95	16441	2.114 ug/L	99
35) Methylcyclohexane	6.33	83	8994	0.671 ug/L #	19
37) 1,2-Dichloropropane	6.33	63	4002	0.464 ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1009	0.080 ug/L #	39
42) Toluene	7.64	91	3550	0.110 ug/L	91
47) Tetrachloroethene	8.23	164	44364	7.144 ug/L	95
48) 2-Hexanone	8.39	43	1405	0.337 ug/L #	47
49) Dibromochloromethane	8.23	129	41059	5.955 ug/L #	11

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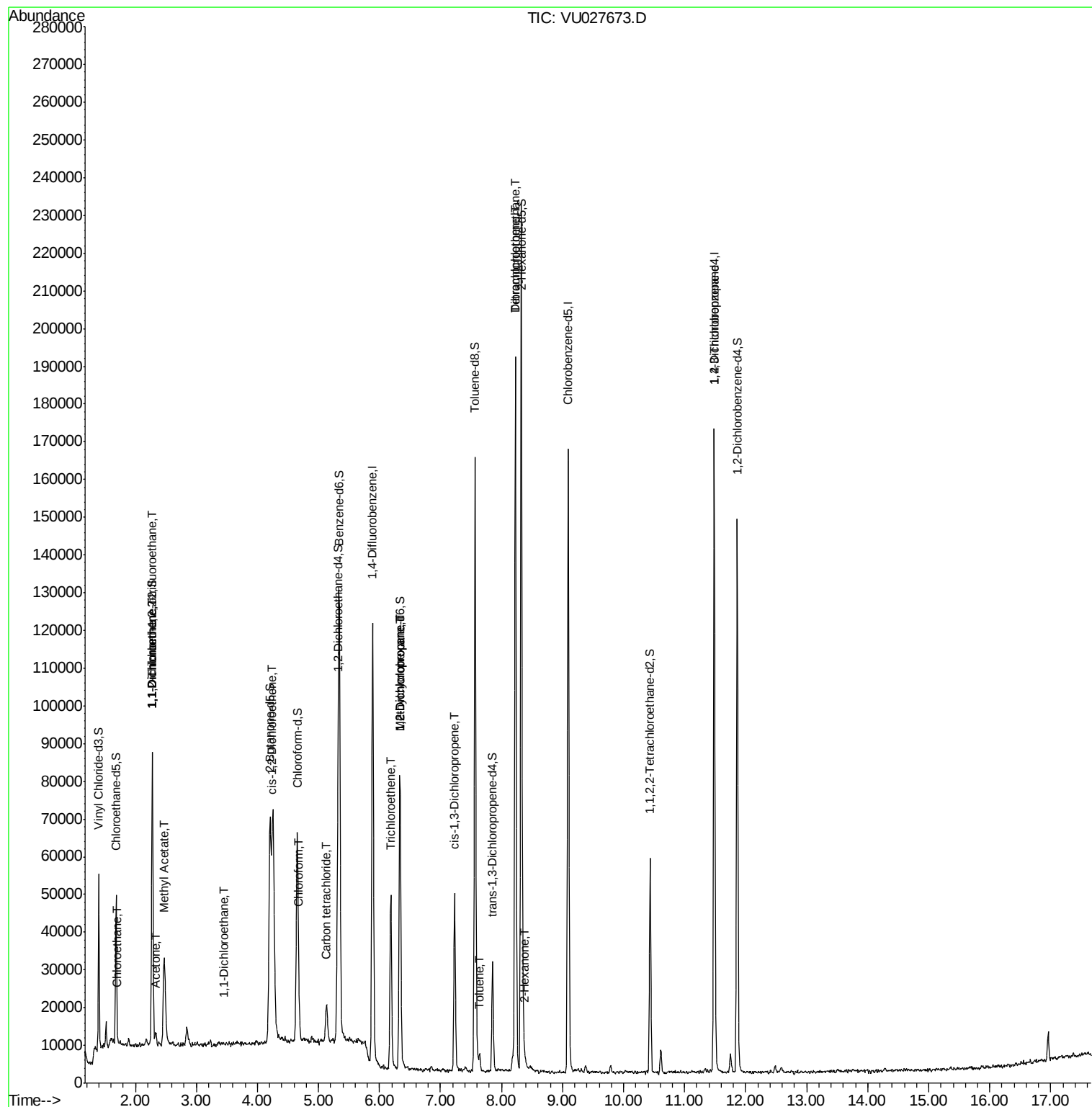
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	5229	1.054	ug/L	88

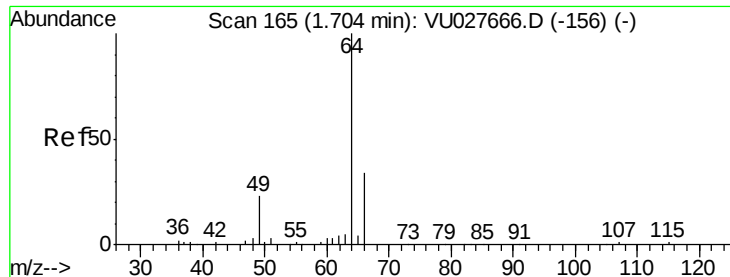
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.147 ug/L

RT: 1.71 min Scan# 168

Delta R.T. 0.01 min

Lab File: VU027673.D

Acq: 17 Oct 2018 13:03

Instrument :

MSVOA_U

ClientSampleId :

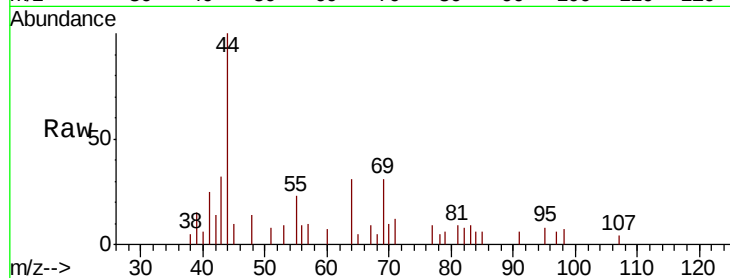
C0JC5

Tgt Ion: 64 Resp: 810

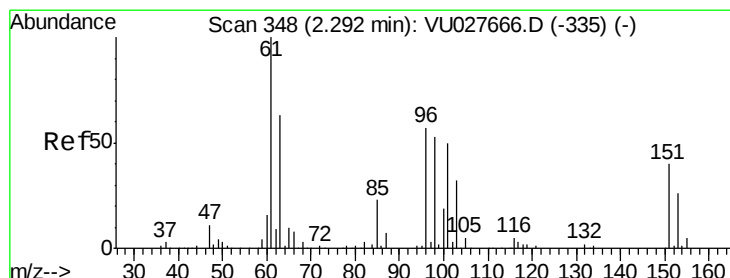
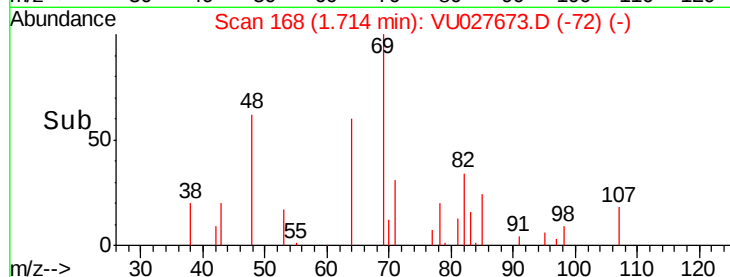
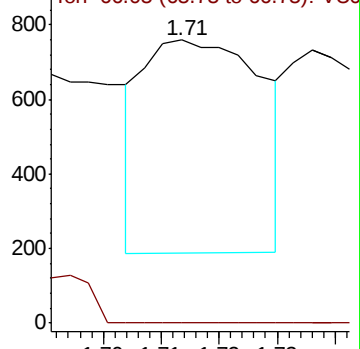
Ion Ratio Lower Upper

64 100

66 0.0 23.5 43.7#



Abundance Ion 64.10 (63.80 to 64.80): VU027666.D (-156) (-)



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.068 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.02 min

Lab File: VU027673.D

Acq: 17 Oct 2018 13:03

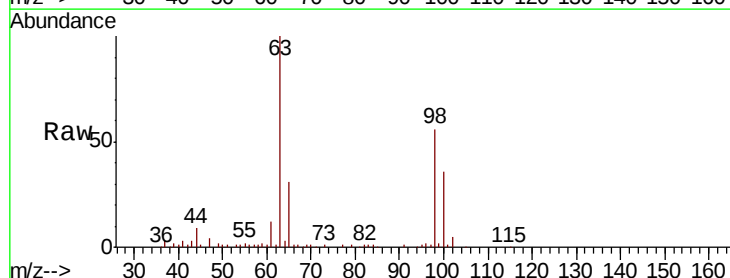
Tgt Ion: 101 Resp: 451

Ion Ratio Lower Upper

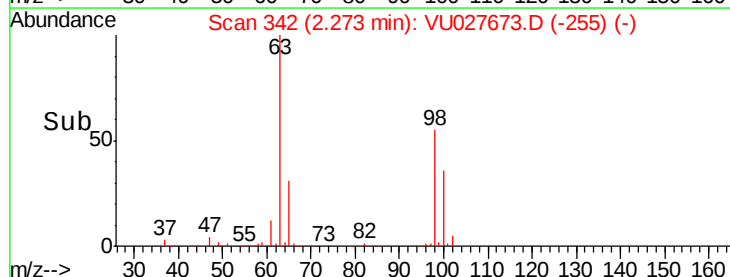
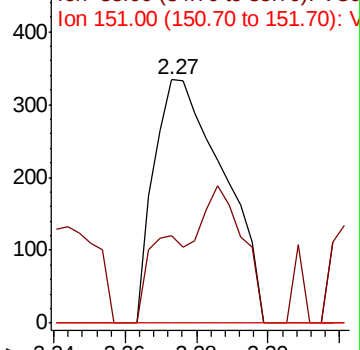
101 100

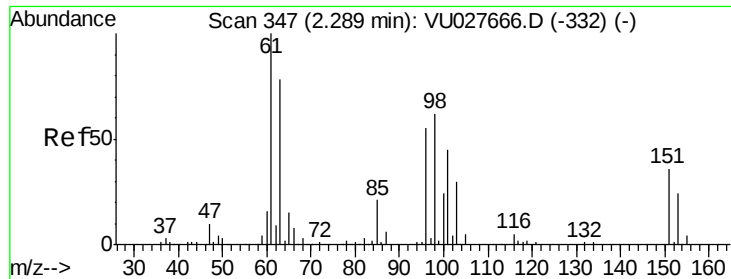
85 55.0 35.6 53.4#

151 0.0 63.8 95.6#



Abundance Ion 101.00 (100.70 to 101.70): VU027666.D (-335) (-)





#12

1,1-Dichloroethene

Concen: 0.264 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027673.D

Acq: 17 Oct 2018 13:03

Instrument :

MSVOA_U

ClientSampleId :

C0JC5

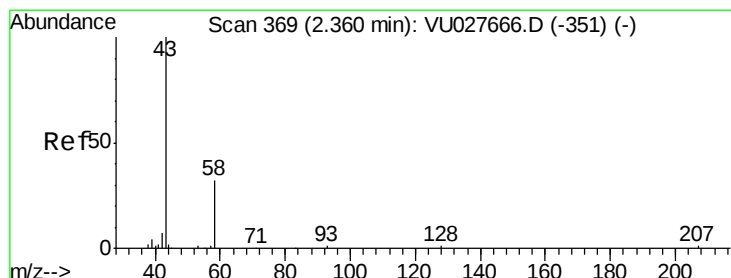
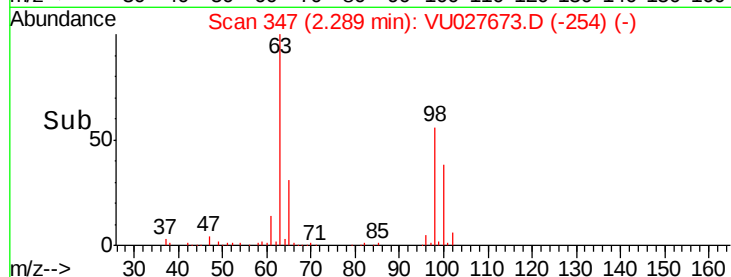
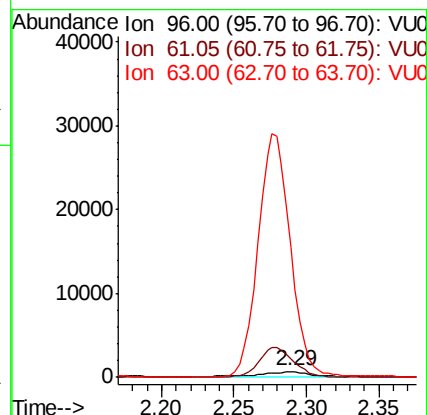
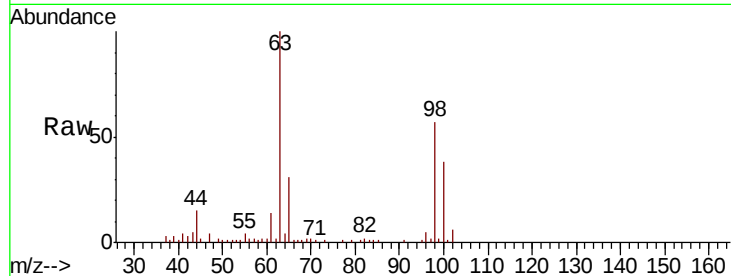
Tgt Ion: 96 Resp: 1754

Ion Ratio Lower Upper

96 100

61 315.9 125.6 233.2#

63 2192.1 97.6 181.2#



#13

Acetone

Concen: 1.796 ug/L

RT: 2.33 min Scan# 361

Delta R.T. -0.03 min

Lab File: VU027673.D

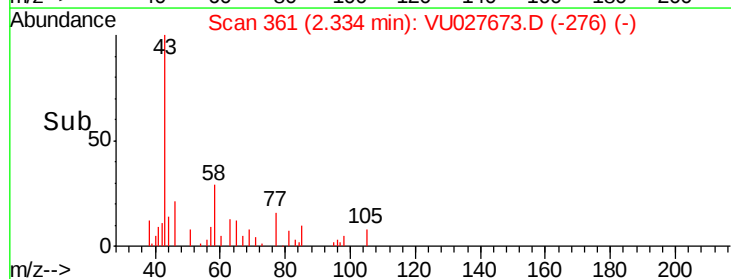
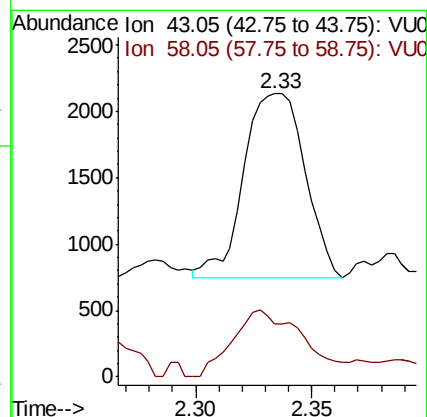
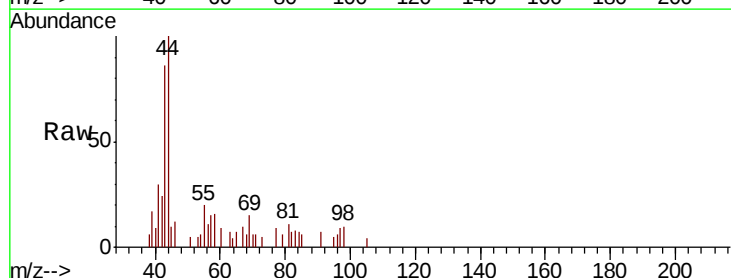
Acq: 17 Oct 2018 13:03

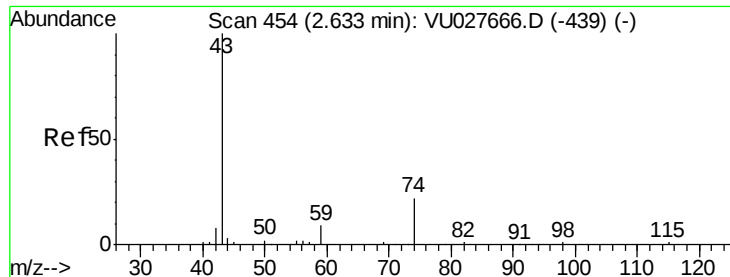
Tgt Ion: 43 Resp: 2546

Ion Ratio Lower Upper

43 100

58 41.7 0.0 66.4

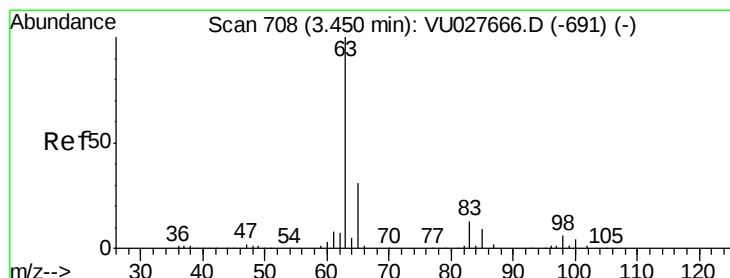
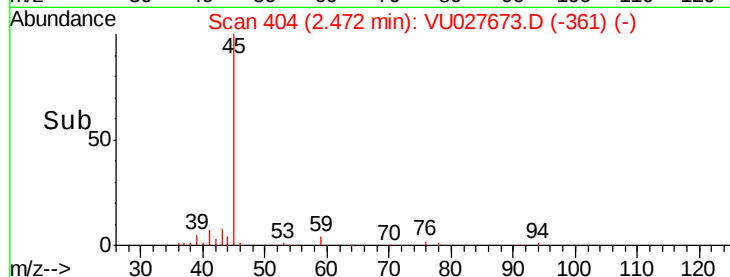
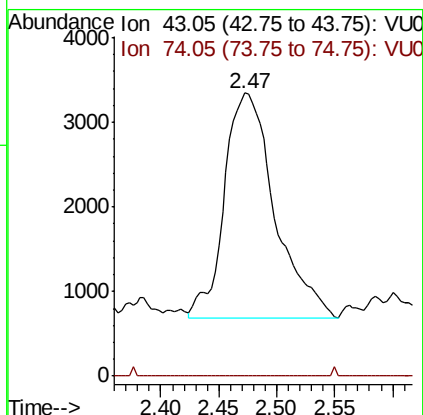
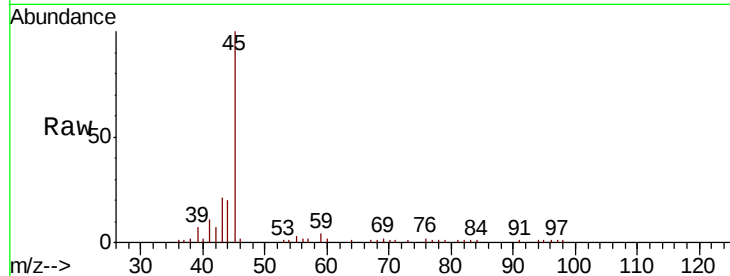




#15
Methyl Acetate
Concen: 2.124 ug/L
RT: 2.47 min Scan# 404
Delta R.T. -0.16 min
Lab File: VU027673.D
Acq: 17 Oct 2018 13:03

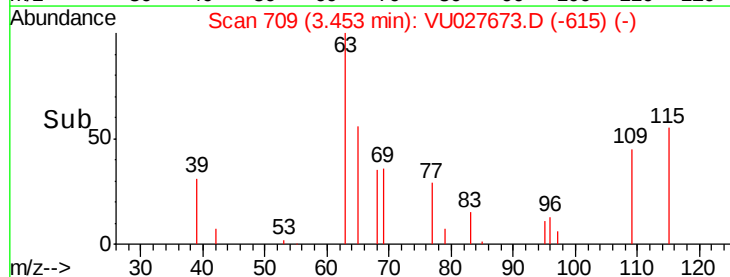
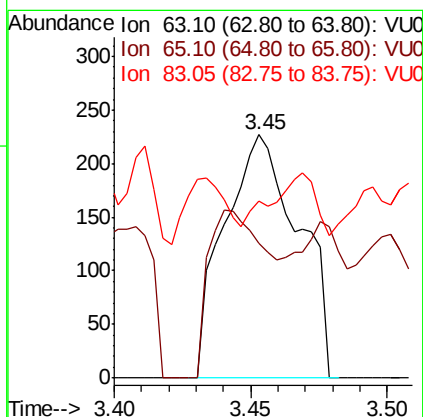
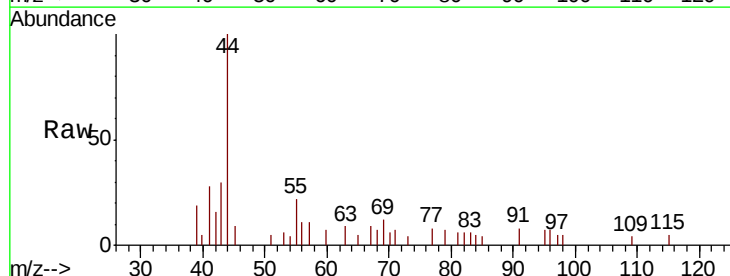
Instrument :
MSVOA_U
ClientSampleId :
C0JC5

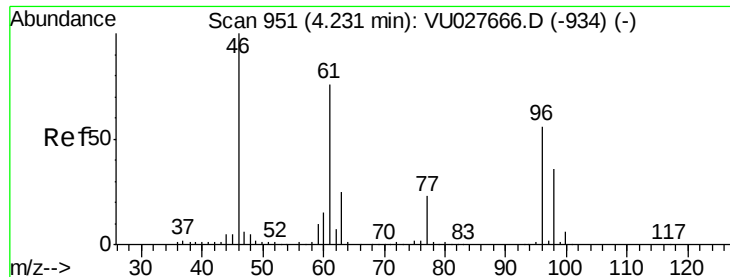
Tgt Ion: 43 Resp: 8038
Ion Ratio Lower Upper
43 100
74 0.3 18.7 28.1#



#19
1,1-Dichloroethane
Concen: 0.031 ug/L
RT: 3.45 min Scan# 709
Delta R.T. 0.00 min
Lab File: VU027673.D
Acq: 17 Oct 2018 13:03

Tgt Ion: 63 Resp: 429
Ion Ratio Lower Upper
63 100
65 55.5 22.3 41.3#
83 72.7 9.7 17.9#





#22

cis-1,2-Dichloroethene

Concen: 0.581 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027673.D

Acq: 17 Oct 2018 13:03

Instrument :

MSVOA_U

ClientSampleId :

C0JC5

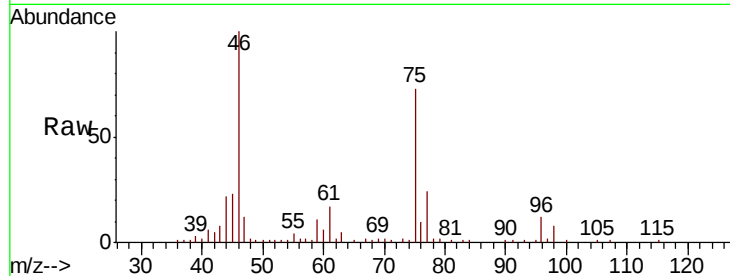
Tgt Ion: 96 Resp: 4536

Ion Ratio Lower Upper

96 100

61 136.5 95.3 176.9

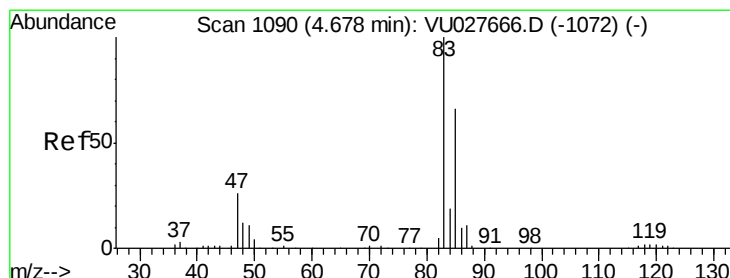
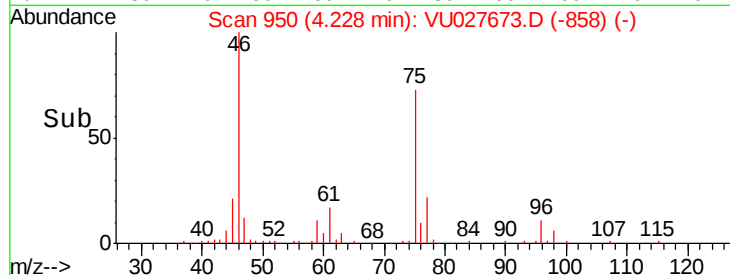
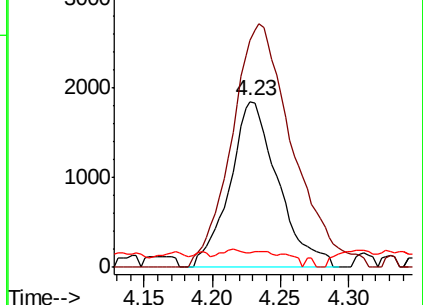
68 9.0 1.1 2.1#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#25

Chloroform

Concen: 0.359 ug/L

RT: 4.68 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VU027673.D

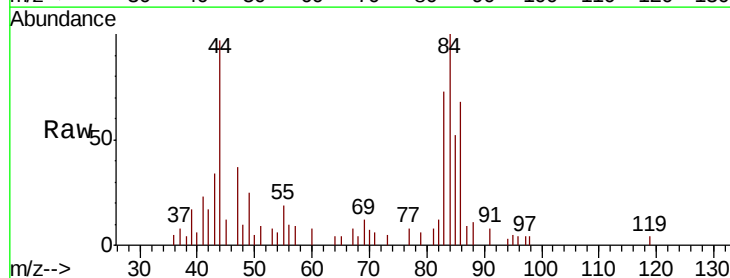
Acq: 17 Oct 2018 13:03

Tgt Ion: 83 Resp: 4866

Ion Ratio Lower Upper

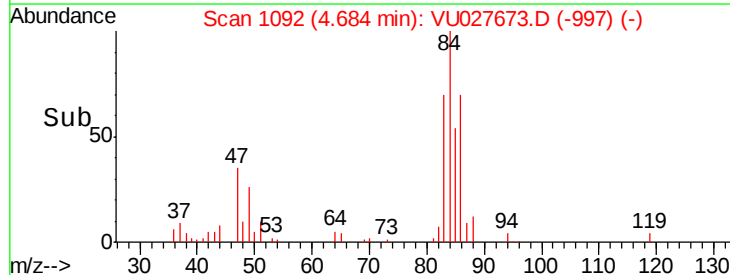
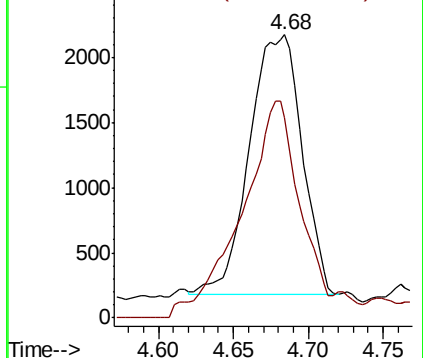
83 100

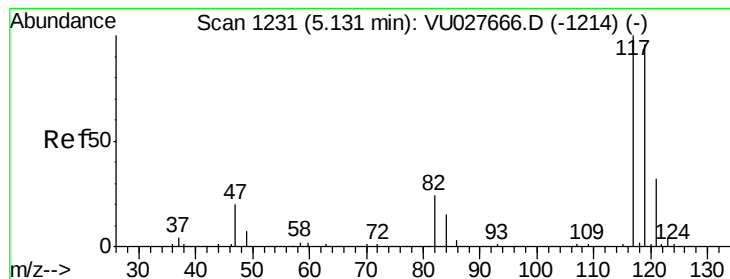
85 70.9 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#31

Carbon tetrachloride

Concen: 0.694 ug/L

RT: 5.13 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VU027673.D

Acq: 17 Oct 2018 13:03

Instrument :

MSVOA_U

ClientSampleId :

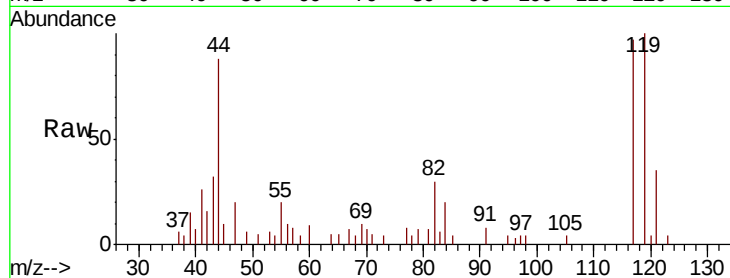
C0JC5

Tgt Ion:117 Resp: 7073

Ion Ratio Lower Upper

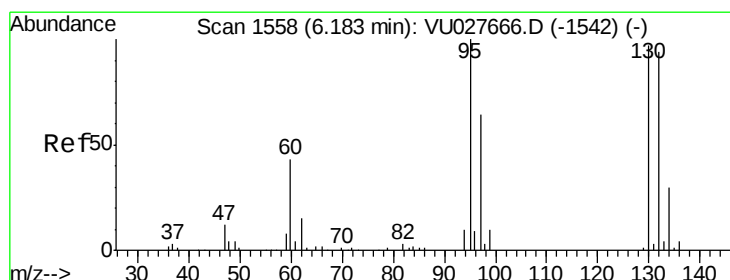
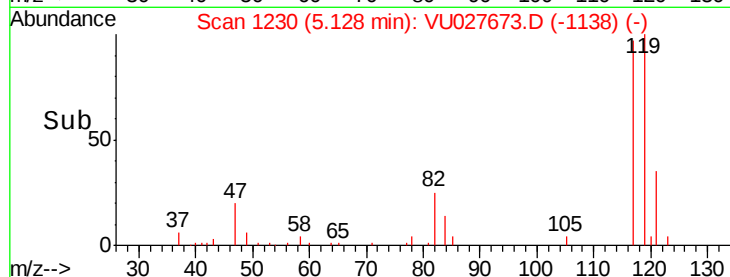
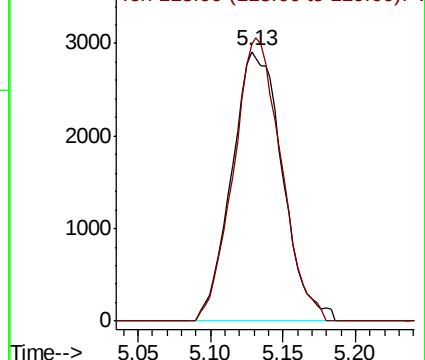
117 100

119 99.0 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 2.114 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU027673.D

Acq: 17 Oct 2018 13:03

Tgt Ion: 95 Resp: 16441

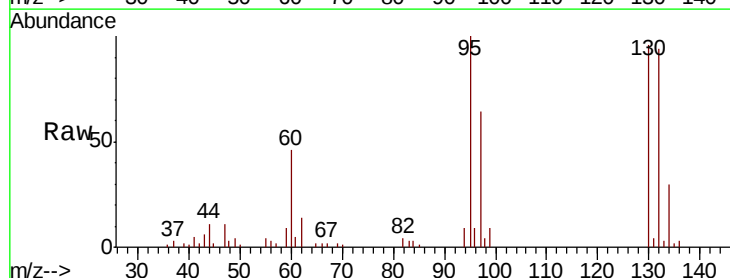
Ion Ratio Lower Upper

95 100

97 63.6 44.7 83.1

132 94.1 65.9 122.5

130 95.6 67.9 126.1

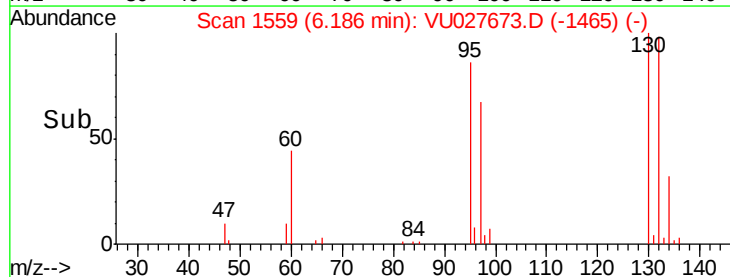
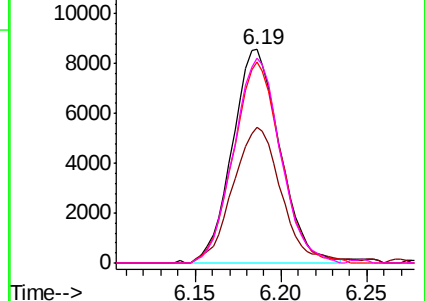


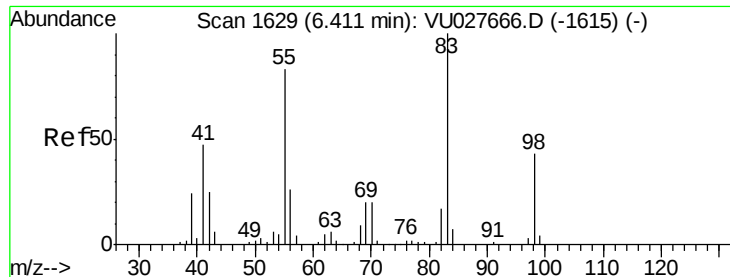
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

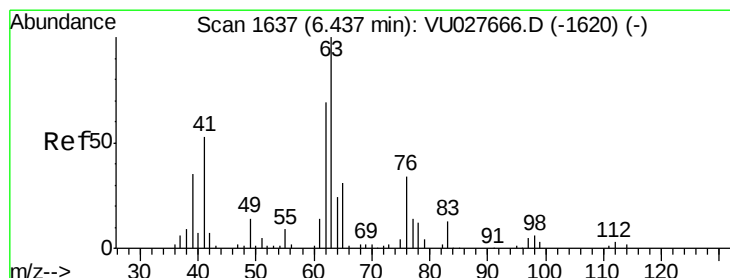
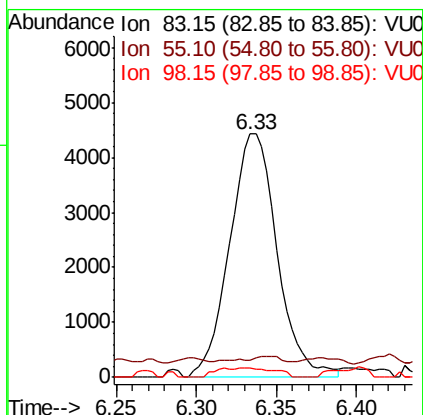
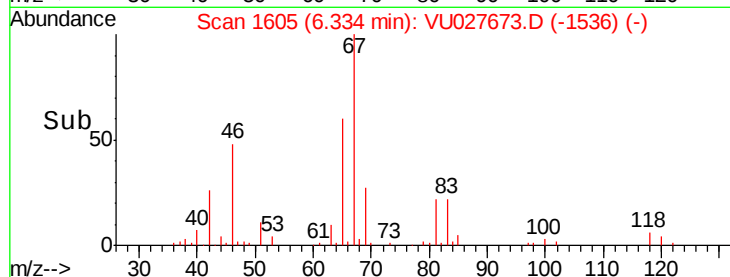
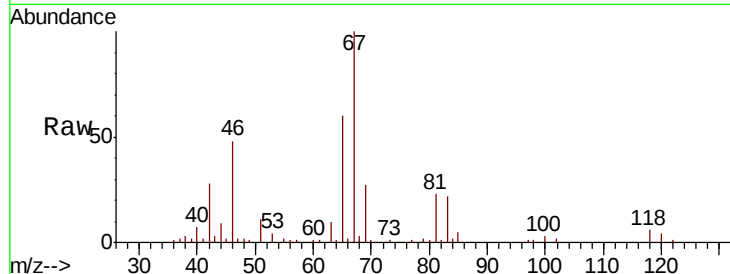




#35
Methylcyclohexane
Concen: 0.671 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU027673.D
Acq: 17 Oct 2018 13:03

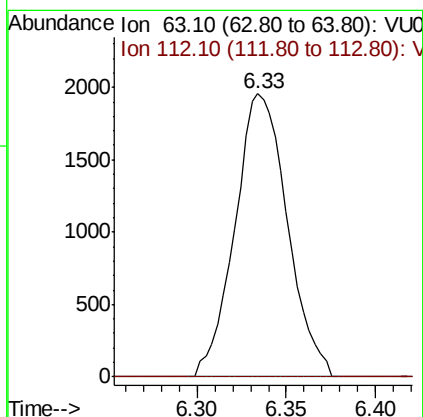
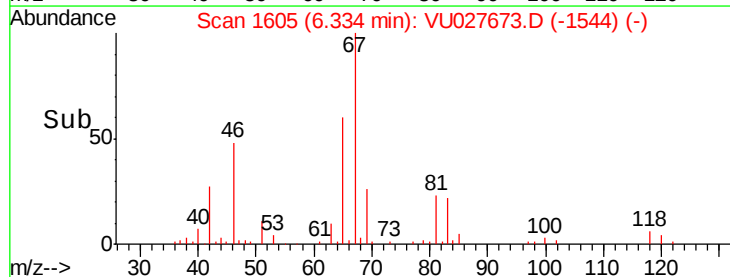
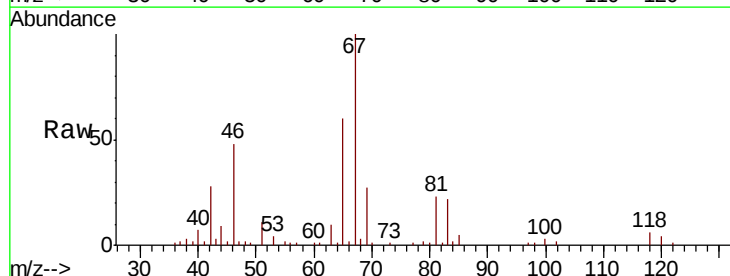
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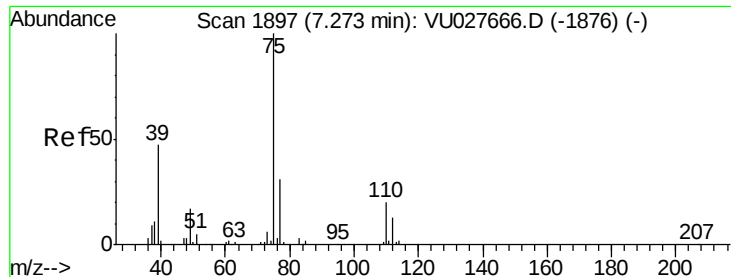
Tgt Ion: 83 Resp: 8994
Ion Ratio Lower Upper
83 100
55 1.7 69.0 103.4#
98 4.8 35.4 53.2#



#37
1,2-Dichloropropane
Concen: 0.464 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU027673.D
Acq: 17 Oct 2018 13:03

Tgt Ion: 63 Resp: 4002
Ion Ratio Lower Upper
63 100
112 0.0 2.8 4.2#



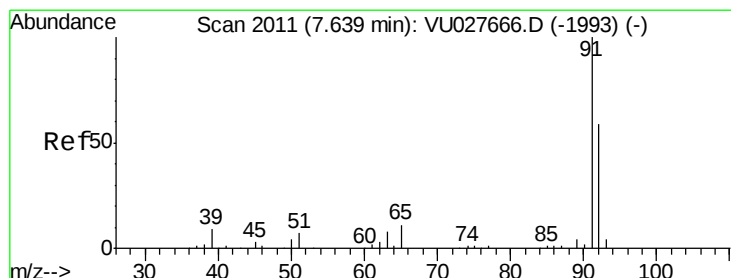
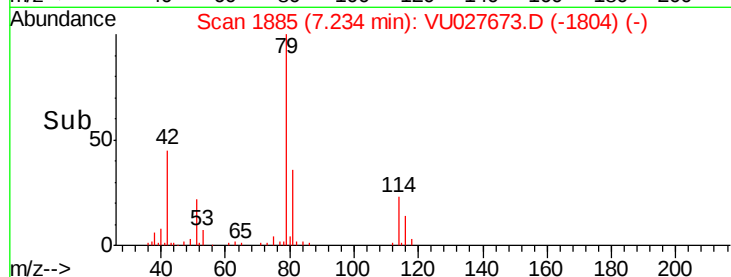
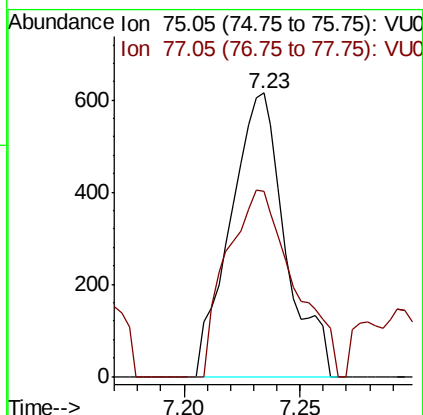
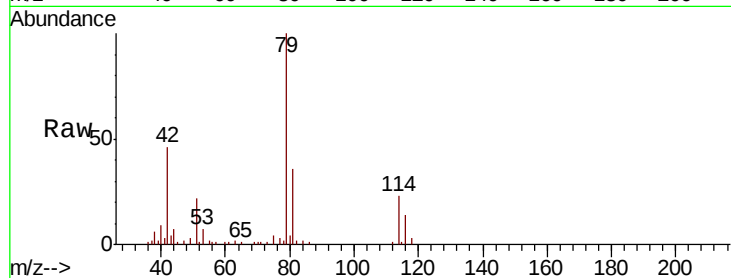


#39

cis-1,3-Dichloropropene
Concen: 0.080 ug/L
RT: 7.23 min Scan# 1885
Delta R.T. -0.04 min
Lab File: VU027673.D
Acq: 17 Oct 2018 13:03

Instrument :
MSVOA_U
ClientSampleId :
C0JC5

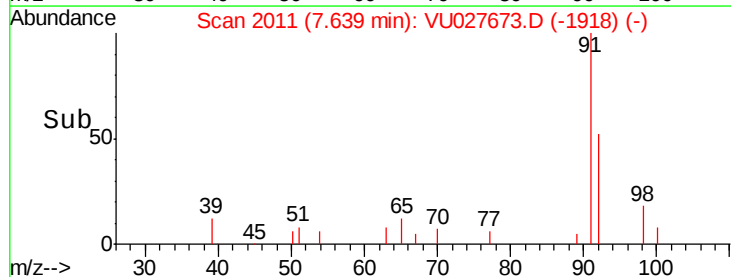
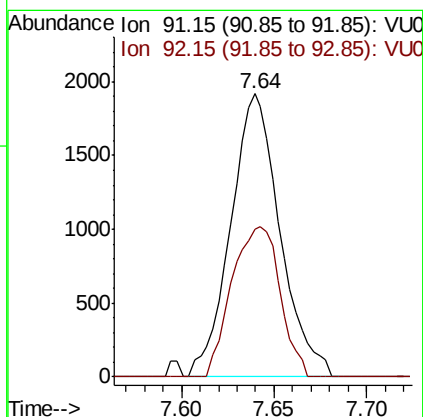
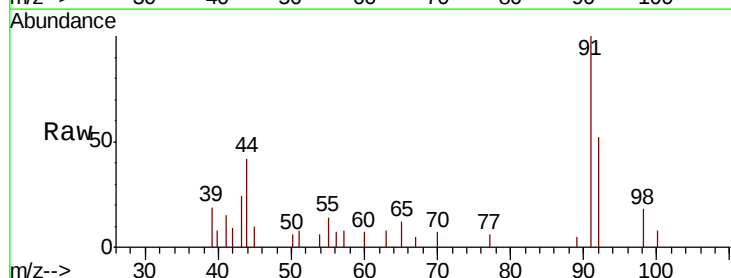
Tgt Ion: 75 Resp: 1009
Ion Ratio Lower Upper
75 100
77 65.4 22.2 41.2#

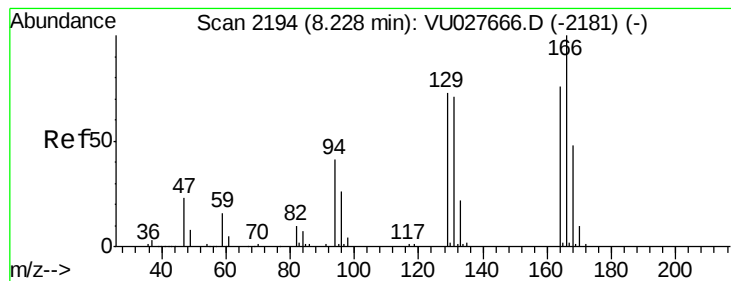


#42

Toluene
Concen: 0.110 ug/L
RT: 7.64 min Scan# 2011
Delta R.T. 0.00 min
Lab File: VU027673.D
Acq: 17 Oct 2018 13:03

Tgt Ion: 91 Resp: 3550
Ion Ratio Lower Upper
91 100
92 52.0 41.1 76.3





#47

Tetrachloroethene

Concen: 7.144 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027673.D

Acq: 17 Oct 2018 13:03

Instrument :
MSVOA_U
ClientSampleId :
C0JC5

Tgt Ion:164 Resp: 44364

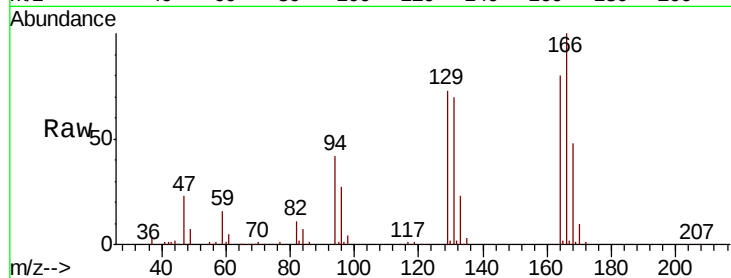
Ion Ratio Lower Upper

164 100

129 92.0 67.3 124.9

131 87.8 64.8 120.3

166 125.6 91.8 170.4



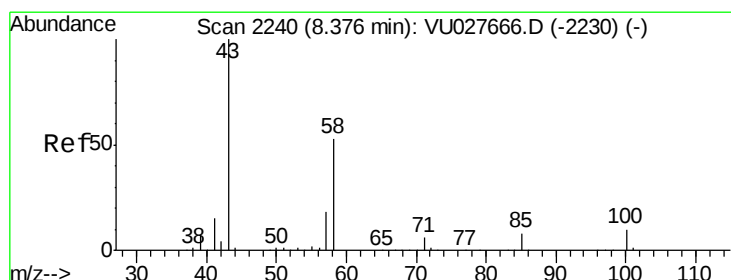
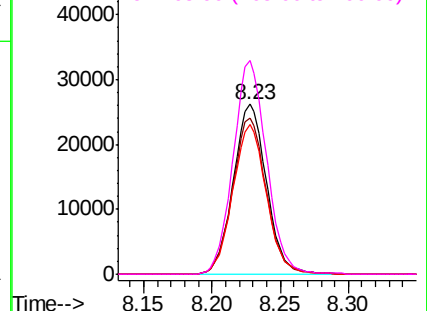
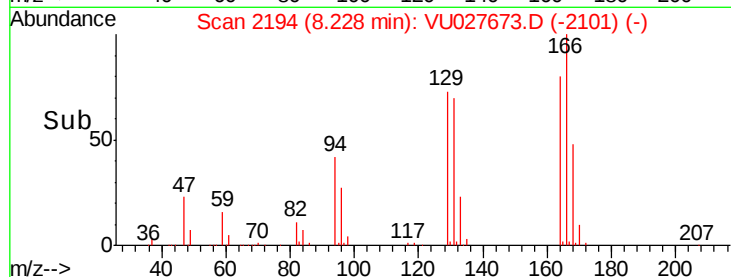
Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 0.337 ug/L

RT: 8.39 min Scan# 2243

Delta R.T. 0.01 min

Lab File: VU027673.D

Acq: 17 Oct 2018 13:03

Tgt Ion: 43 Resp: 1405

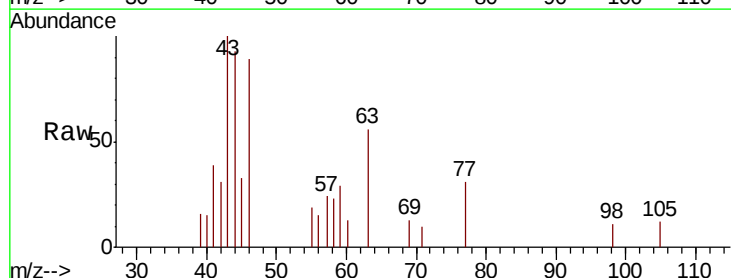
Ion Ratio Lower Upper

43 100

58 0.0 42.7 64.1#

57 17.2 14.5 21.7

100 0.0 8.1 12.1#



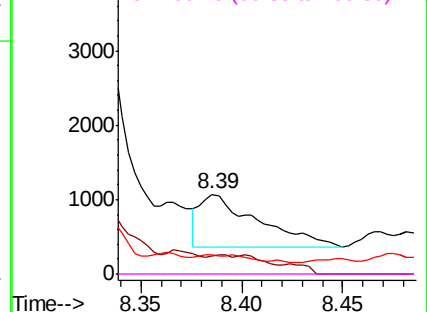
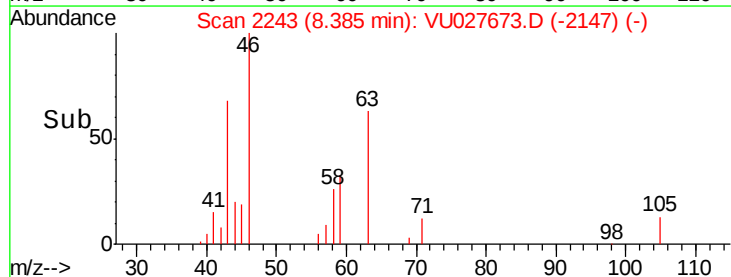
Abundance

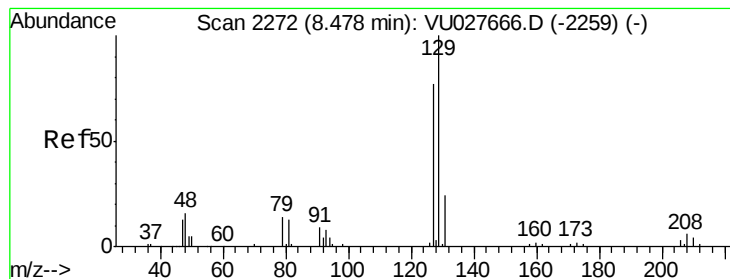
Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 5.955 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU027673.D

Acq: 17 Oct 2018 13:03

Instrument :

MSVOA_U

ClientSampleId :

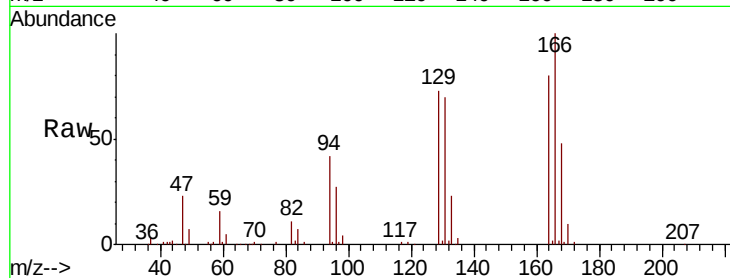
C0JC5

Tgt Ion:129 Resp: 41059

Ion Ratio Lower Upper

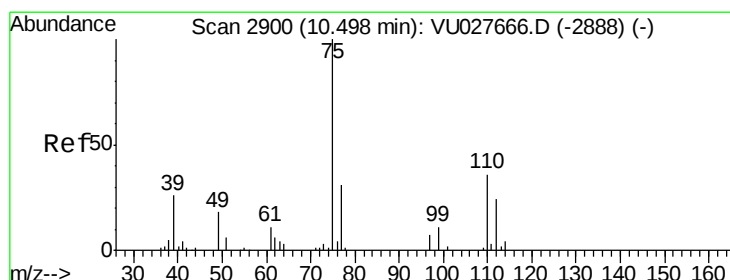
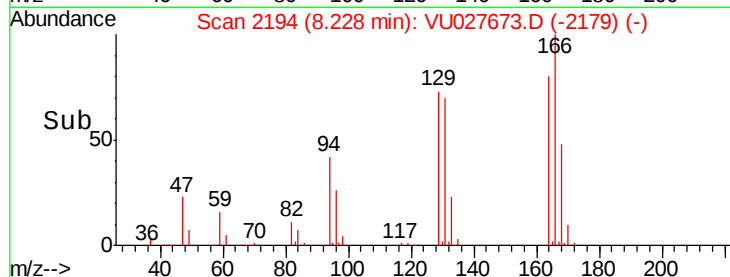
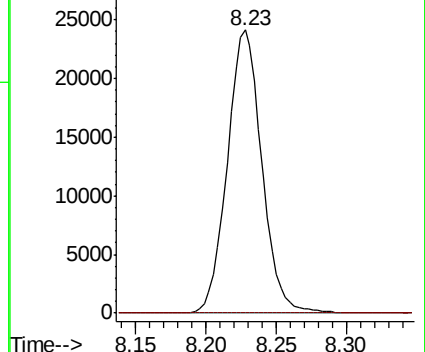
129 100

127 0.0 54.1 100.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 1.054 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU027673.D

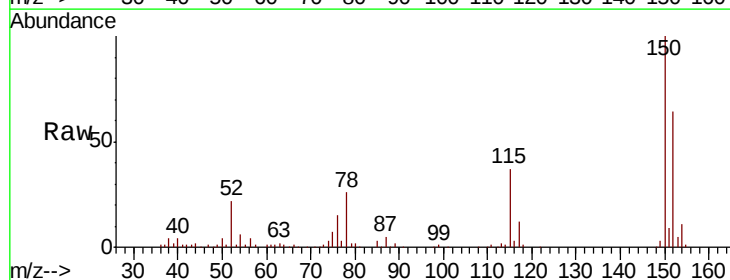
Acq: 17 Oct 2018 13:03

Tgt Ion: 75 Resp: 5229

Ion Ratio Lower Upper

75 100

77 40.2 26.9 40.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

